DAB
WATER•TECHNOLOGY

GENERAL CATALOGUE 50 Hz

2012



DWT GROUP

CERTIFICATES



IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and its partner
CISQ/IMQ-CSQ
hereby certify that the organization

DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)
BRENDOLA (VI) – CASTELLO DI GODEGO (TV) – BIENTINA (PI) – SAN GERMANO DEI BERICI (VI) – GESSATE (MI) – CHINA
for the following field of activities
Design, production, sale and assistance of components for pumps, electropumps, and pump sets for cold and hot water for civil, industrial and agricultural use

Refer to quality manual for details of applications to ISO 9001:2008 requirements
has implemented and maintains a
Quality Management System
which fulfils the requirements of the following standard
ISO 9001:2008
Issued on: 2011 - 02 - 28 Expiry date: 2012 - 06 - 15

Registration Number: IT - 0824

IQNet — *Michael Drechsel*, *President of IQNET*
CISQ — *Giannenzo Pratt*, *President of CISQ*

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CERTIFICATO N.
CERTIFICATE N. 9101.COGE

SI CERTIFICA CHE IL SISTEMA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY

DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)
UNITA' OPERATIVE
OPERATIVE UNITS
DAB PUMPS
VIA MARCO POLO 14 - 35035 MESTRINO (PD)
DAB PUMPS
VIA EINAUDI 2 - 36040 BRENDOLA (VI)
DAB PUMPS
VIA E. FERMI 8-8-10 - 31030 CASTELLO DI GODEGO (TV)
Vedere gli Allegati per le altre Unità Operative (n° 1 pagina)
View the Annexes for the other Operative Units (n° 1 page)
E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2008

PER LE SEGUENTI ATTIVITA'
FOR THE FOLLOWING ACTIVITIES

Progettazione, produzione, vendita e assistenza di componenti per pompe, elettropompe e gruppi di pompaggio per acqua fredda e calda ad uso civile, industriale ed agricolo
Design, production, sale and assistance of components for pumps, electropumps, and pump sets for cold and hot water for civil, industrial and agricultural use

Riferirsi al manuale della qualità per l'applicabilità dei requisiti della norma ISO 9001:2008
Refer to quality manual for details of applications to ISO 9001:2008 requirements

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

PRIMA EMISSIONE *FIRST ISSUE*	EMISSIONE CORRENTE *CURRENT ISSUE*	DATA SCADENZA *EXPIRY DATE*
1995-07-17	2011-02-28	2012-06-15

EA: 18, 19

CISQ

GENERAL NOTE: NEW IE2 MOTOR

THE MODELS IN GREEN (SEE EXAMPLE) USE THE NEW IE2 MOTORS.

MODEL	CODE
KLP 50-900 T*	60145205
KLP 50-1200 M	105110474
KLP 50-1200 T*	60145206

NEW IE2 MOTOR



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ALLEGATO CERTIFICATO n.
9101.COGE
ANNEX CERTIFICATE

(*) Unità Operative:
(*) Operative Units:

DAB PUMPS SPA
VIA BONANNO PISANO 1 - 56031 BIENTINA (PI)

TESLA SRL
VIA DEL LAVORO 3 - 36040 SAN GERMANO DEI BERICI (VI)

TESLA SRL
VIA BERGAMO 2 - 20060 GESSATE (MI)

DAB PUMPS QINGDAO CO. LTD.
45 KAITUO ROAD, QINGDAO DEVELOPMENT ZONE - SHANGDONG PROVINCE, PRC CHINA

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EA: 18, 19

CISQ

GENERAL CATALOGUE 2012

NEW

MCE/P



INVERTER FOR PRESSURE PUMPS

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MCE/C



INVERTER FOR CIRCULATING PUMPS

PAG. 8

ADAC



NVERTER FOR PRESSURE PUMPS

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EVOTRON



WET ROTOR ELECTRONIC CIRCULATORS

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EVOTRON D



WET ROTOR ELECTRONIC CIRCULATORS

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EVOTRON SOL



WET ROTOR ELECTRONIC CIRCULATORS

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EVOTRON SAN



WET ROTOR ELECTRONIC CIRCULATORS

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ALME - ALPE



IN-LINE CONSTANT PRESSURE PUMPS

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KLME - KLPE / DKLME - DKLPE



IN-LINE CONSTANT PRESSURE PUMPS

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CME / CM-GE / DCME



IN-LINE CONSTANT PRESSURE PUMPS

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CPE / CP-GE / DCPE



IN-LINE CONSTANT PRESSURE PUMPS

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AQUAJET - AQUAJET-INOX



SELFPRIMING AUTOMATIC BOOSTER

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BOOSTERSILENT



ON/OFF AUTOMATIC ELECTRONIC BOOSTER SYSTEMS

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NKM-GE NKP-GE



ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

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KDNE 4 - 2 POLI



STANDARDISED ELECTRONIC CENTRIFUGAL PUMPS ON SKID

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KCE - KCVE



ELECTRONIC CENTRIFUGAL PUMPS

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NEW

NOVAIR



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FEKA GL 500 - 650



SEWAGE PUMPS

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FEKA 2500 /2700



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FEKAFOS 1200 - 2000 - 3200



AUTOMATIC PUMPING STATION

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SM6



6" SUBMERSIBLE PUMPS

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SM8



8" SUBMERSIBLE PUMPS

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SM10



10" SUBMERSIBLE PUMPS

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SM12



12" SUBMERSIBLE PUMPS

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SERIE TR6



6" SUBMERSIBLE MOTORS

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SERIE TR8



8" SUBMERSIBLE MOTORS

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SERIE TR10



10" SUBMERSIBLE MOTORS

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SERIE TR12



12" SUBMERSIBLE MOTORS

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1/2/3 KVC AD



CONSTANT PRESSURE SETS WITH ACTIVE DRIVER

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2 NKVE 10 - 15 - 20 MCE



CONSTANT PRESSURE SETS WITH MCE/P

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INVERTER



ACTIVE DRIVER
INVERTER
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MCE/C
INVERTER FOR CIRCULATING PUMPS
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MCE/P
INVERTER FOR PRESSURE PUMPS
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ADAC
INVERTER FOR PRESSURE PUMPS
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ON/OFF DEVICES



E_BOX
CONTROL PANEL
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SMART PRESS
ON/OFF CONTROLLER
PAG. 17

ACTIVE DRIVER
INVERTER

PRESSURE PUMPS



The Active Driver devices are innovative variable speed electric pump integrated control systems, capable of maintaining a constant pressure in relation to the varied flow rates. The set pressure can be adjusted and the various settings and related error warnings can be viewed, thanks to a simple and immediate user interface.
Active Driver is made up of:
- an inverter
- a pressure sensor
- a flow sensor

Some advantages in using Active Driver:
- greater comfort
- greater energy saving
- greater noise reduction
- reduced dimensions
- eliminates overpressures
- increased lifespan of the electric pump
- easy installation
- capable of controlling many different types of electric pumps.

Active Driver is equipped with a malfunctions protection system.
In the event that a malfunction is verified, it is signalled on the display and, depending on the type of error, the electric pump can turn off.
- protection against dry-running
- amperometric protection
- electric pump overheating protection
- protection against abnormal power supply voltages

Model: A.D. M/T 2.2
Max. motor phase current: 10,5 Arms.
Line voltage: 230V single-phase.
Electric pump voltage: 230V three-phase.
Power supply frequency: 50 Hz - 60 Hz.
Installation: vertical or horizontal.
Maximum liquid temperature: 50°C.
Maximum operating temperature: 60°C.
Maximum pressure: 16 bar.
Pressure regulation range: from 1 to 15 bar.
Suction diameter (DNA): 1 1/4" male.
Delivery diameter (DNM): 1 1/2" female.
Protection level: IP55.

Active Driver can also be used parallel, this being a device for each electric pump (exept the M/M 1.1 model).

TECHNICAL DATA

Advised maximum flow = 15 m³/h

MODEL	CODE	MAX CURRENT OF MOTOR A	MAX MOTOR POWER kW	VOLTAGE 50/60 Hz	PUMP SUPPLY VOLTAGE Volt	DNA GAS	DNM GAS	CONNECTIVITY FOR PARALLEL WORKING	TO BE USED WITH PUMPS TYPE	PRESSURE REGULATION RANGE BAR
ACTIVE DRIVER M/M 1.1	109640610	8,5	1,1	Single-phase 1x230	Single-phase 1x230	1 1/4" M	1 1/2" F	NO	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 8,5 A	1-6
ACTIVE DRIVER M/M 1.5	88002281	11	0,55	Single-phase 1x115	Single-phase 1x115	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 11 A	1-9
			1,5	1x230	1x230					
ACTIVE DRIVER M/M 1.8	88002282	14	1,0	Single-phase 1x115	Single-phase 1x115	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 14 A	1-9
			1,8	1x230	1x230					
ACTIVE DRIVER M/T 1.0	109640640	4,7	1,0	Single-phase 1x230	Three-phase 3x230	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase motor and input current of up to 4,7 A	1-9
ACTIVE DRIVER M/T 2.2	109640600	10,5	2,2	Single-phase 1x230	Three-phase 3x230	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 230V motor and input current of up to 10,5 A	1-16
ACTIVE DRIVER T/T 3.0	109640620	7,5	3,0	Three-phase 3x400	Three-phase 3x400	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 400V motor and input current of up to 7,5 A	1-16
ACTIVE DRIVER T/T 5.5	109640630	13,3	5,5	Three-phase 3x400	Three-phase 3x400	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 400V motor and input current of up to 13,3 A	1-16

MODEL	DIMENSIONS (mm)			WEIGHT KG	Q.TY'x PALLET
	LENGHT	HEIGHT	DEPTH		
ALL	220	280	180	5,3	32

MCE/P
INVERTER

PRESSURE PUMPS

NEW

CE



MCE/P 11 - MCE/P 15 - MCE/P 22



MCE/P 30 - MCE/P 55



MCE/P 110 - MCE/P 150

MCE/P is the leading edge of teh Dab Inverters family and are ideal for professional and very severe applications.
They can drive pumps of up to 15 kW.
These units combine the simplicity with the robust design and power of an inverter drive.
MCE/P are mounted on the pump, and are equipped with pressure sensors and the **optional flow sensors** as required.
The use of a flow sensor, moreover, allows a better pressure regulation.
The **MCE/P** can easily be set up in booster sets,thanks to a standard wire cable connection.
Comfort, energy saving, protections and simplicity are the keywords of this professional series.
The **MCE/P** units are air cooled.
The **MCE/P** can be easily installed in existing systems and can operates with all pumps Facility to create sets with interchange of up to 8 pumps.

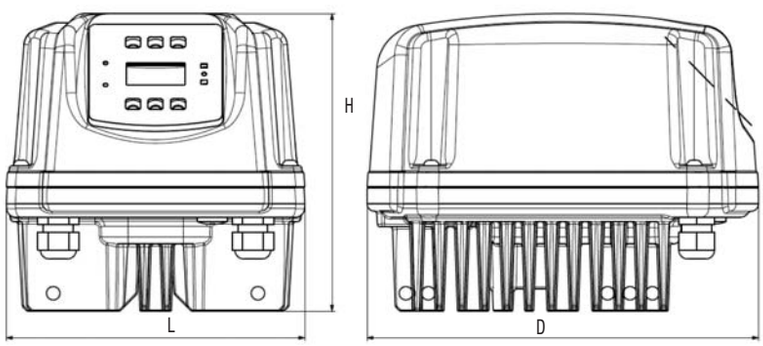
- Self-ventilated panel-mounting inverters for hydraulic pumps.
- For three-phase pumps up to 3HP - 2,2kW (model MCE/P 11 – MCE/P 15 – MCE/P 22)
  For three-phase pumps up to 7,5 HP - 5.5 kW (model MCE/P 30 – MCE/P 55) .
  For three-phase pumps up to 20HP – 15kW (MCE/P 110 – MCE/P 150).
- OLED graphic display.
- Input power supply 1 x 230V 50-60Hz (model MCE/P 11 – MCE/P 15 – MCE/P 22)
  Input power supply 3 x 400V 50-60Hz (model MCE/P 30 – MCE/P 55
  MCE/P 110 – MCE/P 150).
- Electric pump nominal frequency 50-200 Hz.
- Control range in accordance with the sensor utilised, with standard range of 1-24bar.
- Protections against voltage surges.
- Adjustable overload protection.
- Extended connectivity.
- Protection rating: IP55.
- Dry run protection.
- Short circuit between output phases.
- Overtemperature protection.
- Anti-seize and anti-frost function.
- Costant pressure.

TECHNICAL DATA

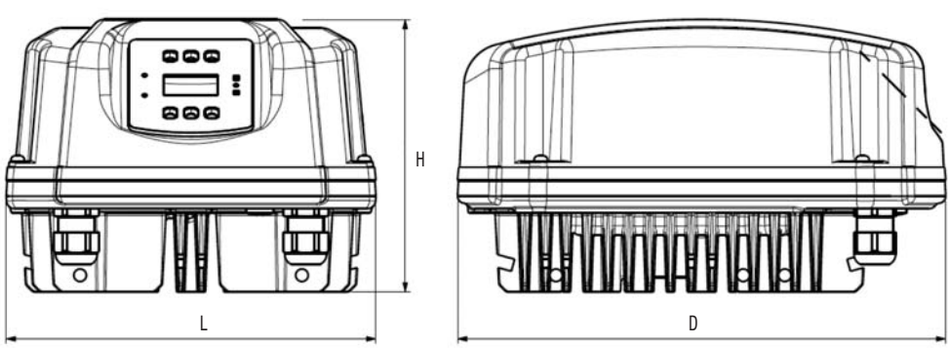
MODEL	CODE	NOMINAL MOTOR POWER kW	MAX NOMINAL MOTOR CURRENT A	MIN NOMINAL MOTOR CURRENT A	VOLTAGE 50 Hz	PUMP VOLTAGE 50 Hz	MOTOR FRAME
MCE/P 11	**60145919**	1.1	6.5	1.0	Single-phase 1x230	Three-phase 3x230	71 80
MCE/P 15	**60145920**	1.5	8,0	1.0	Single-phase 1x230	Three-phase 3x230	90
MCE/P 22	**60145921**	2.2	10.5	1.0	Single-phase 1x230	Three-phase 3x230	90 100
MCE/P 30	**60145922**	3	7,5	2.0	Three-phase 3x400	Three-phase 3x400	100
MCE/P 55	**60145923**	5,5	13,5	2.0	Three-phase 3x400	Three-phase 3x400	112 132
MCE/P 110	**60145924**	11.0	24	2.0	Three-phase 3x400	Three-phase 3x400	132 160
MCE/P 150	**60145925**	15.0	32	2.0	Three-phase 3x400	Three-phase 3x400	160

DIMENSIONS AND WEIGHTS

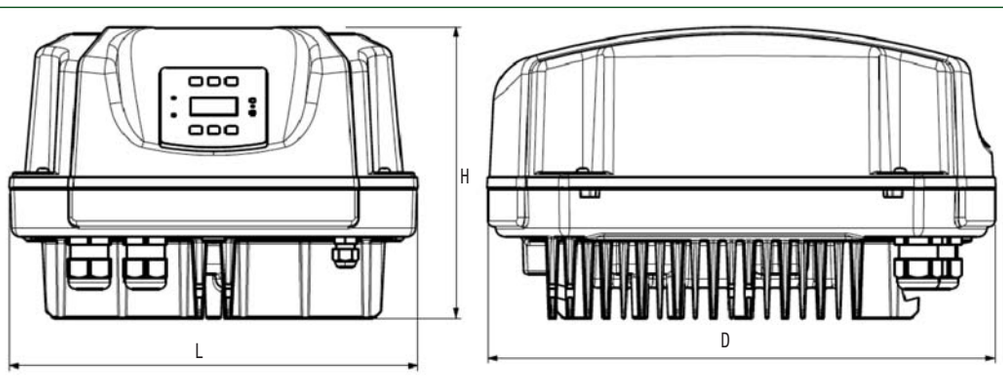
MCE/P 11 - MCE/P 15 - MCE/P 22



MCE/P 30 - MCE/P 55



MCE/P 110 - MCE/P 150



MODEL	L	H	D	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
				L/D	L/L	H		
MCE/P 11	200	199	262	265	235	215	5	24
MCE/P 15	200	199	262	265	235	215	5	24
MCE/P 22	200	199	262	265	235	215	5	24
MCE/P 30	267	196	352	360	280	200	7,6	32
MCE/P 55	267	196	352	360	280	200	7,6	32
MCE/P 110	343	244	425	435	345	265	12	12
MCE/P 150	343	244	425	435	345	265	12	12

ENERGY SAVING

Reducing motor speed, even marginally, can lead to an appreciable reduction in power consumption because the absorbed power of an electric motor is proportional to the rpm cubed. For example, a pump powered by the mains that runs at approximately 2950 rpm, will run approximately 20% slower (i.e. at 2360 rpm) when fed with a 40 Hz supply, leading to a saving of 40% in terms of absorbed power. The motor speed reduction increases pump life signifi cantly, thanks to the reduction of mechanical stress.

Pump performance in relation to variations in rpm
Pump rpm n has a very signifi cant infl uence on pump performance.
In the absence of cavitation phenomena the law of similarity is applicable, as shown in equation 1.

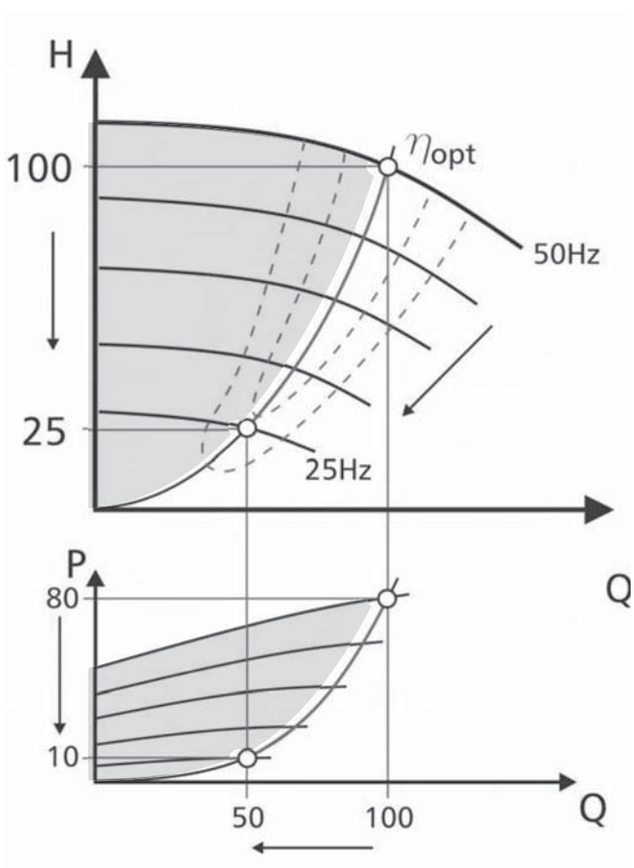
- Flow rate changes in a linear manner with changes in speed.
- Pressure changes in a squared relationship with changes in rpm.
- Power changes in a cubed relationship with changes in rpm.
- A small change in rpm produces a very large change in power.

Equation 1

$$\frac{Q_x}{Q} = \frac{n_x}{n} \qquad Q_x = Q \times \frac{n_x}{n}$$

$$\frac{H_x}{H} = \left(\frac{n_x}{n}\right)^2 \qquad H_x = Hx \left(\frac{n_x}{n}\right)^2$$

$$\frac{P_x}{P} = \left(\frac{n_x}{n}\right)^3 \qquad P_x = Px \left(\frac{n_x}{n}\right)^3$$



- a lowering of the fl ow acc. to the linear function.
- a reduction of the head according to a quadratic function.
- a reduction of the power consumption acc. to a cubic function!

POWER ECONOMY TABLE

MCE/P 11 – MCE/P 15 – MCE/P 22

Example showing use of a 2,2 kW pump for 10 hours/day *

Performance required of the pump	Minutes/ day	Instantaneous power (ON/OFF)	Power with MCE/P	kWh (ON/OFF)	kWh (INVERTER)	kWh saved
0% - 20%	30	1,32	0,50	0,66	0,25	0,41
20% - 30%	30	1,32	0,50	0,66	0,25	0,41
30% - 40%	60	1,37	0,55	1,37	0,55	0,82
40% - 50%	240	1,41	0,60	5,66	2,39	3,27
50% - 60%	120	1,54	0,69	3,08	1,38	1,70
60% - 70%	54	1,82	0,94	1,64	0,85	0,79
70% - 80%	30	2,04	1,30	1,02	0,65	0,37
80% - 90%	24	2,17	1,76	0,87	0,70	0,16
90% - 100%	12	2,20	2,07	0,44	0,41	0,03
			TOT.	**15,39**	**7,44**	**7,95**

YEARLY SAVING
7,95 kWh X 365 = **2902 kWh**
2902 kWh X 0,2 € / kWh =
€ 580,34

As we will see, in an average day of operation the MCE/P unit provides **a saving of 7,95 kWh,** equivalent to 60%, with respect to the consumption of a conventional on/off pump.

MCE/P 30 – MCE/P 55

Example showing use of a5,5 kW pump for 10 hours/day *

Performance required of the pump	Minutes/ day	Instantaneous power (ON/OFF)	Power with MCE/P	kWh (ON/OFF)	kWh (INVERTER)	kWh saved
0% - 20%	30	3,30	1,26	1,65	0,63	1,02
20% - 30%	30	3,30	1,26	1,65	0,63	1,02
30% - 40%	60	3,42	1,38	3,42	1,38	2,04
40% - 50%	240	3,54	1,49	14,14	5,97	8,17
50% - 60%	120	3,85	1,73	7,70	3,46	4,24
60% - 70%	54	4,56	2,36	4,10	2,12	1,98
70% - 80%	30	5,11	3,26	2,55	1,63	0,92
80% - 90%	24	5,42	4,40	2,17	1,76	0,41
90% - 100%	12	5,50	5,19	1,10	1,04	0,06
			TOT.	**38,48**	**18,61**	**19,87**

YEARLY SAVING
19,87 kWh X 365 = **7254 kWh**
7254 kWh X 0,2 € / kWh =
€ 1.450,85

As we will see, in an average day of operation the MCE/P unit provides a **saving of 19,87 kWh,** equivalent to 60%, with respect to the consumption of a conventional on/off pump.

MCE/P 110 – MCE/P 150

Example showing use of a 15 kW pump for 10 hours/day *

Performance required of the pump	Minutes/day	Instantaneous power (ON/OFF)	Power with PWM	kWh (ON/OFF)	kWh (INVERTER)	kWh saved
0% - 20%	30	9,00	3,43	4,50	1,71	2,79
20% - 30%	30	9,00	3,43	4,50	1,71	2,79
30% - 40%	60	9,32	3,75	9,32	3,75	5,57
40% - 50%	240	9,64	4,07	38,57	16,29	22,29
50% - 60%	120	10,50	4,71	21,00	9,43	11,57
60% - 70%	54	12,43	6,43	11,19	5,79	5,40
70% - 80%	30	13,93	8,89	6,96	4,45	2,52
80% - 90%	24	14,79	12,00	5,91	4,80	1,11
90% - 100%	12	15,00	14,14	3,00	2,83	0,17
			TOT.	**104,96**	**50,75**	**54,20**

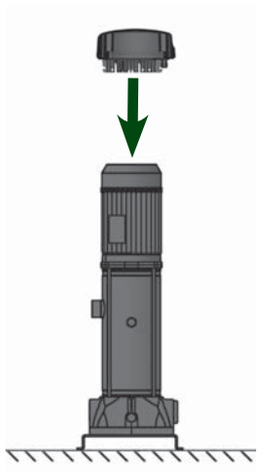
As we will see, in an average day of operation the MCE/P unit provides **a saving of 54,20 kWh**, equivalent to 60%, with respect to the consumption of a conventional on/off pump.

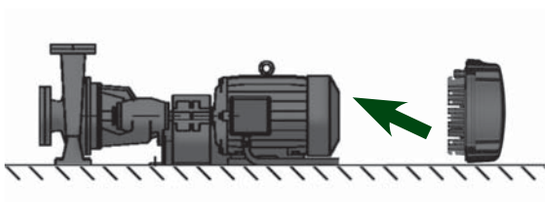
YEARLY SAVING
54,20 kWh X 365 = **19784 kWh**
19784 kWh X 0,2 € / kWh =
€ 3.956,86

*The table shows a comparison of **daily consumption** of a standard pump driven by an On/Off system and a pump driven by a MCE/P inverter.

CONNECTIONS ON MOTOR

1 Hydraulic diagram



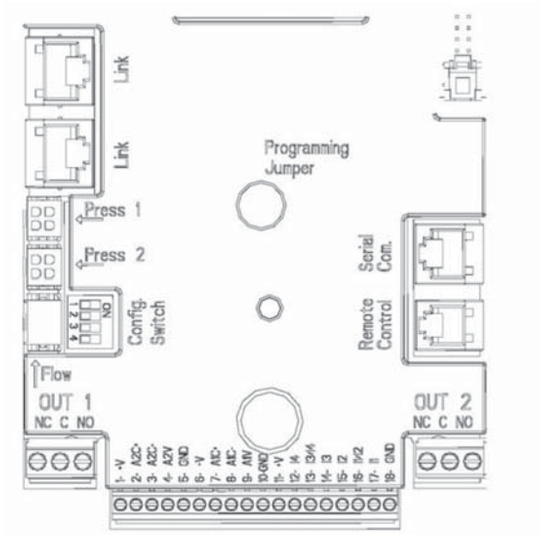




The MCE is installed on the motor base.
The inverter can operate both vertically and horizontally.
2 kits are available for assembly on the motor:
Tie-rods:
These are connected to the MCE dissipator and fan cover.
They require a solid fan cover able to withstand the weight of the inverter, i.e. secured by means of bolts or screws.

Fan cover kit:
The fan cover kit is used in all situations where the fan cover is not sufficiently solid or strong enough to withstand the weight of the inverter.

TWIN OPERATION



Groups of up to 2 pumps can be created. To do this, the pumps must be hydraulically connected to the same output and inlet manifolds (naturally, this is not necessary for twin circulation pumps).
The 2 MCE/P inverters also have to be connected using the special interconnection cable, connecting both inverters to one of the 2 connectors marked Link.
For the twin system to operate correctly, all the external connections of the input terminal board must be parallel connected between the 2 MCE/P units, with the numbers of the individual pins corresponding (e.g. pin 17 of MCE- 22/C-1 to pin 17 of MCE-22/C-2 and so on).

MCE/C
INVERTER

NEW



MCE/C 11 - MCE/C 15 - MCE/C 22



MCE/C 30 - MCE/C 55



MCE/C 110 - MCE/C 150

CIRCULATING

The new **MCE/C** inverters are the latest technological challenge in the DAB inverters universe. They constitute the new generation of inverters for use with circulator pumps and stand out for ease of use, power, and simplicity of installation and management.
MCE/C inverters are designed for use with circulator pumps to enable simple control of differential pressure, thereby adapting pump performance to match effective system requirements.
The solution of mounting on the motor base greatly simplifi es installation of the pump with **MCE/C** in minimal times.
Ease of programming is guaranteed by the use of an interface similar to DAB Dialogue and a graphic display.
MCE/C inverters feature dual microprocessor architecture to guarantee maximum efficiency and reliability. Sturdy and reliable construction is combined with modern and innovative styling to complete the product also in terms of aesthetics.
MCE/C inverters protect the pump thanks to integrated safety devices. They are also able to prolong the useful lifetime of the pump thanks to the elimination of water hammer and rotation of the pump at the minimum rpm necessary to meet the requirements of the user.
Last but not least, these inverters save power by keeping pump consumption to the minimum levels strictly necessary to meet user requirements.

Equipped with communication module for the creation of twin pumpsets.

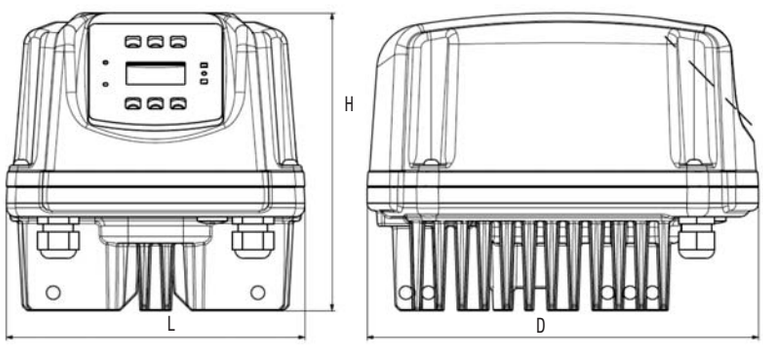
- For three-phase pumps up to 3HP - 2,2kW (MCE/C 11 – MCE/C 15 – MCE/C 22).
  For three-phase pumps up to 7,5 HP - 5.5 kW (MCE/C 30 – MCE/C 55).
  For three-phase pumps up to 20HP – 15kW (MCE/C 110 – MCE/C 150).
- OLED graphic display.
- Input power supply 1 x 230V 50-60Hz (MCE/C 11 – MCE/C 15 – MCE/C 22).
  Input power supply 3 x 400V 50-60Hz (MCE/C 30 – MCE/C 55 MCE/C 110 – MCE/C 150).
- Pump voltage 3 x 230V (MCE/C 11 – MCE/C 15 – MCE/C 22).
  Pump voltage 3 x 400V (MCE/C 30 – MCE/C 55 MCE/C 110 – MCE/C 150).
- Electric pump nominal frequency 50-200 Hz.
- Control range in accordance with the sensor utilised, with standard range 1-24 Bar.
- Protections against voltage surges.
- Adjustable overload protection.
- Extended connectivity.
- Protection rating: IP55.
- Short circuit between output phases.
- Overtemperature protection.

TECHNICAL DATA

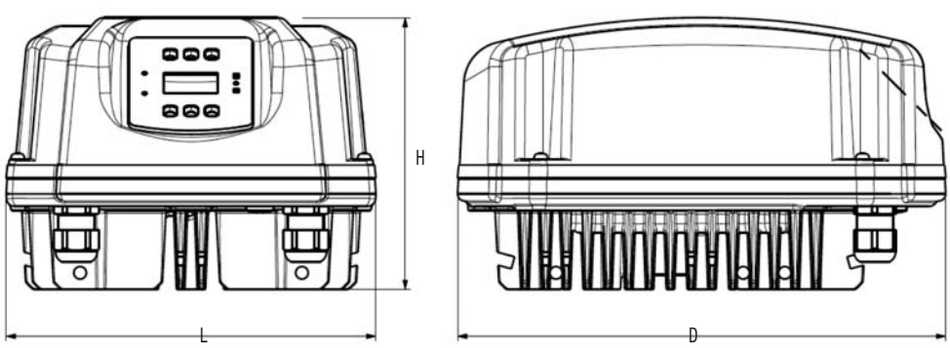
MODEL	CODE	NOMINAL MOTOR POWER kW	MAX NOMINAL MOTOR CURRENT A	MIN NOMINAL MOTOR CURRENT A	VOLTAGE 50 Hz	PUMP VOLTAGE 50 Hz	MOTOR FRAME
MCE/C 11	**60144656**	1.1	6.5	1.0	Single-phase 1x230	Three-phase 3x230	71 80
MCE/C 15	**60144657**	1.5	8,0	1.0	Single-phase 1x230	Three-phase 3x230	90
MCE/C 22	**60144659**	2.2	10.5	1.0	Single-phase 1x230	Three-phase 3x230	90 100
MCE/C 30	**60144660**	3	7,5	2.0	Three-phase 3x400	Three-phase 3x400	100
MCE/C 55	**60144662**	5,5	13,5	2.0	Three-phase 3x400	Three-phase 3x400	112 132
MCE/C 110	**60144664**	11.0	24	2.0	Three-phase 3x400	Three-phase 3x400	132 160
MCE/C 150	**60144665**	15.0	32	2.0	Three-phase 3x400	Three-phase 3x400	160

DIMENSIONS AND WEIGHTS

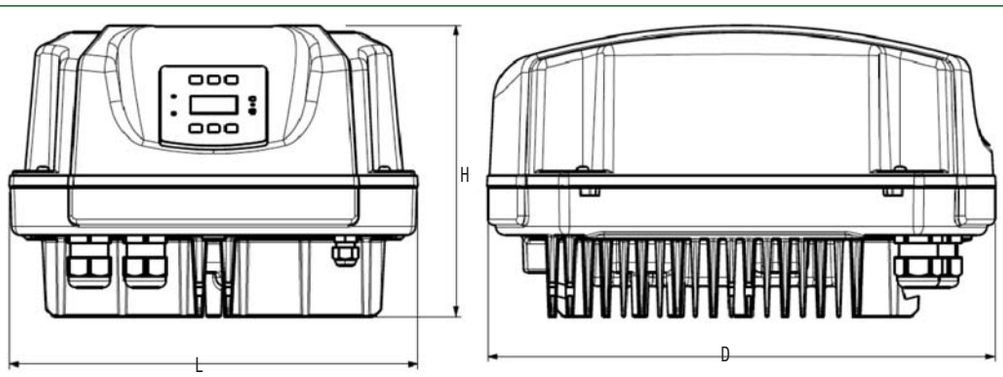
MCE/C 11 - MCE/C 15 - MCE/C 22



MCE/C 30 - MCE/C 55



MCE/C 110 - MCE/C 150



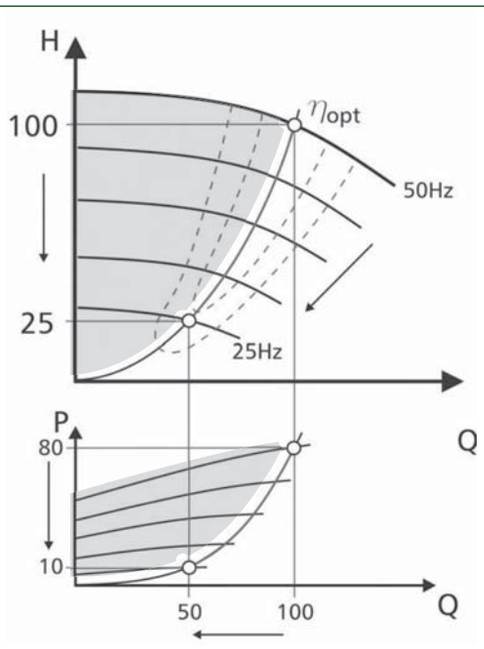
MODEL	L	H	D	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
				L/D	L/L	H		
MCE/C 11	200	199	262	265	235	215	5	24
MCE/C 15	200	199	262	265	235	215	5	24
MCE/C 22	200	199	262	265	235	215	5	24
MCE/C 30	267	196	352	360	280	200	7,6	32
MCE/C 55	267	196	352	360	280	200	7,6	32
MCE/C 110	343	244	425	435	345	265	12	12
MCE/C 150	343	244	425	435	345	265	12	12

ENERGY SAVING

Reducing motor speed, even marginally, can lead to an appreciable reduction in power consumption because the absorbed power of an electric motor is proportional to the rpm cubed. For example, a pump powered by the mains that runs at approximately 2950 rpm, will run approximately 20% slower (i.e. at 2360 rpm) when fed with a 40 Hz supply, leading to a saving of 40% in terms of absorbed power. The motor speed reduction increases pump life signifi cantly, thanks to the reduction of mechanical stress.

Pump performance in relation to variations in rpm
Pump rpm n has a very signifi cant infl uence on pump performance.
In the absence of cavitation phenomena the law of similarity is applicable, as shown in equation 1.

- Flow rate changes in a linear manner with changes in speed.
- Pressure changes in a squared relationship with changes in rpm.
- Power changes in a cubed relationship with changes in rpm.
- A small change in rpm produces a very large change in power.



Equation 1

$$\frac{Q_x}{Q} = \frac{n_x}{n} \qquad Q_x = Q \times \frac{n_x}{n}$$

$$\frac{H_x}{H} = \left(\frac{n_x}{n}\right)^2 \qquad H_x = Hx \left(\frac{n_x}{n}\right)^2$$

$$\frac{P_x}{P} = \left(\frac{n_x}{n}\right)^3 \qquad P_x = Px \left(\frac{n_x}{n}\right)^3$$

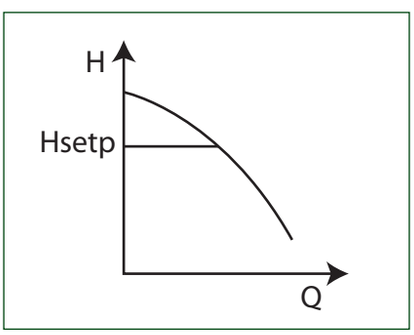
- a lowering of the fl ow acc. to the linear function.
- a reduction of the head according to a quadratic function.
- a reduction of the power consumption acc. to a cubic function!

OPERATING MODES

All the functions listed below can be consulted by all users (even the least skilled) by just scrolling through the MCE/C menu. Calibration and parameter modifi cation are protected functions, permitted only to skilled users.

Constant differential pressure control mode ΔP-c

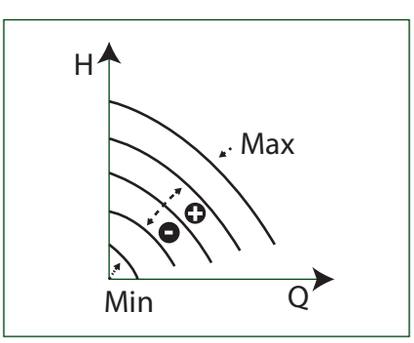
ΔP-c control mode keeps the system's differential pressure constant at the H value set (setp) as the fl ow rate varies. This is the standard control mode, for normal use. It can be set directly from the MCE/C's control panel. The inverter maintains the differential pressure (H setp) constant as the fl ow rate varies.



This control mode is particularly useful in the following types of installations

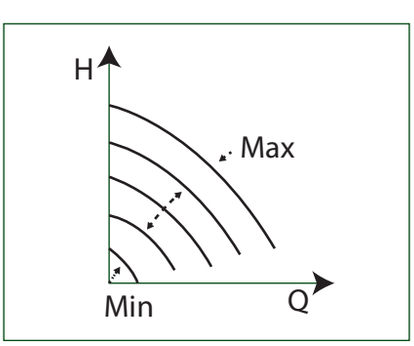
A Two-pipe central heating systems with thermostatic valves.
B Under-fl oor central heating systems with thermostatic valves.
C Single-pipe central heating systems with thermostatic and calibration valves.
D Installations having primary circuit pumps.

CONSTANT CURVE CONTROL MODE



Constant curve control

The rotation speed is kept at a constant rpm. The rotation speed can be set between a minimum value and the rated frequency of the circulation pump (e.g. between 15 Hz and 50 Hz).
This mode can be set using the control panel on the cover of the MCE.

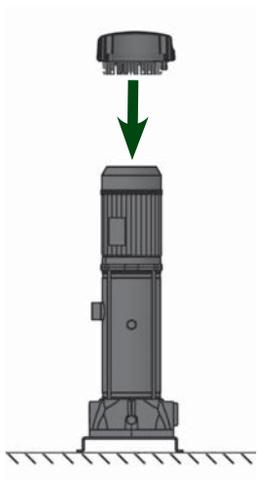


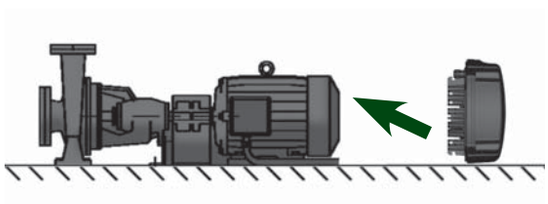
Constant Curve Control with Remote Analogue Signal

The rotation speed is kept at a constant number of rpm proportional to the voltage of the remote analogue signal.
The rotation speed varies on a linear scale between the rated frequency of the pump when Vin = 10V and the minimum frequency when Vin = 0V. This mode can be set using the control panel on the cover of the MCE.

CONNECTIONS ON MOTOR

1 Hydraulic diagram



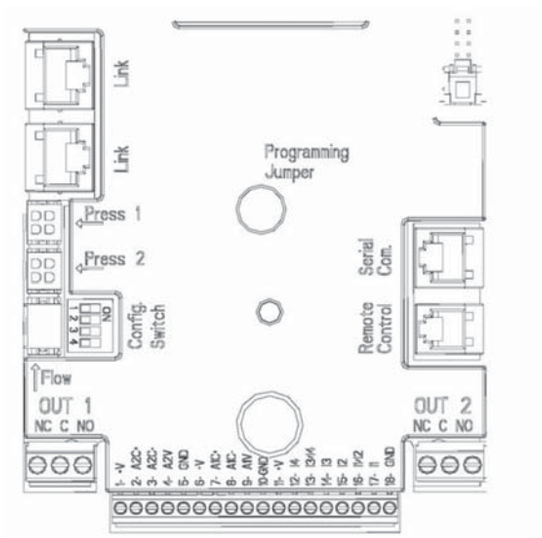




The MCE is installed on the motor base.
The inverter can operate both vertically and horizontally.
2 kits are available for assembly on the motor:
Tie-rods:
These are connected to the MCE dissipator and fan cover.
They require a solid fan cover able to withstand the weight of the inverter, i.e. secured by means of bolts or screws.

Fan cover kit:
The fan cover kit is used in all situations where the fan cover is not sufficiently solid or strong enough to withstand the weight of the inverter.

TWIN OPERATION



Groups of up to 2 pumps can be created. To do this, the pumps must be hydraulically connected to the same output and inlet manifolds (naturally, this is not necessary for twin circulation pumps).
The 2 MCE/C inverters also have to be connected using the special interconnection cable, connecting both inverters to one of the 2 connectors marked Link.
For the twin system to operate correctly, all the external connections of the input terminal board must be parallel connected between the 2 MCE/C units, with the numbers of the individual pins corresponding (e.g. pin 17 of MCE- 22/C-1 to pin 17 of MCE-22/C-2 and so on).

ADAC
INVERTER

NEW

PRESSURE PUMPS



AD M/T 1.0 AC – AD M/T 1.5 AC- AD M/T 2.2 AC



AD T/T 3.0 AC – AD T/T 4.0 AC - AD T/T 5.5 AC



AD T/T 7.5 AC – AD T/T 11.0 AC- AD T/T 15.0 AC

ADAC is the leading edge of teh Dab Inverters family.
Are ideal for **HEAVY DUTY APPLICATIONS**.
They can drive pumps of up to 15 kW.
These units combine the simplicity with the robust design and power of an inverter drive.
They can be installed in a control panel and must be supplied with external pressure.
The use of a flow sensor (OPTIONAL), allows a better pressure regulation.
The **ADAC** can easily be set up in booster sets,thanks to a standard wire cable connection.
Comfort, energy saving, protections and simplicity are the keywords of this professional series.
The ADAC units are air cooled. These extremely robust panel-mounting inverters feature a metal body and are suitable for heavy-duty applications.
ADAC ensure the utmost practicality and increase the average workinglife of the system, permitting also signifi cant savings in power consumption.

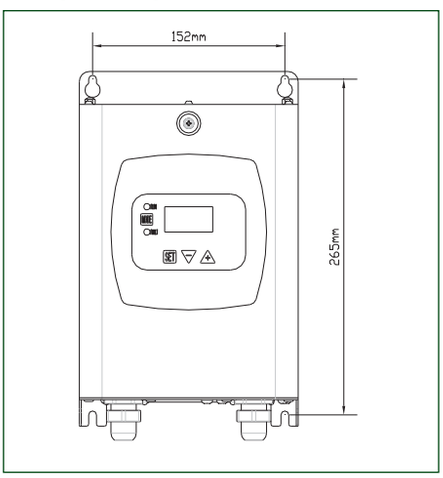
- OLED graphic display.
- Electric pump nominal frequency 50-200 Hz.
- Control range in accordance with the sensor utilised, with standard range of 1-24bar.
- Flow sensor optional.
- Adjustable overload protection.
- Extended connectivity.
- Protection rating: IP20.
- Dry run protection.
- Short circuit between output phases.
- Overtemperature protection.
- Anti-seize and anti-frost function.
- Facility to create booster sets with up to 8 inverters.

TECHNICAL DATA

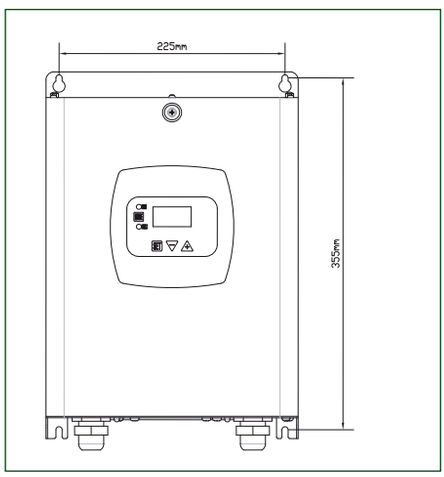
MODEL	CODE	NOMINAL MOTOR POWER kW	MAX NOMINAL MOTOR CURRENT A	MIN NOMINAL MOTOR CURRENT A	VOLTAGE 50 Hz	PUMP VOLTAGE 50 Hz
AD M/T 1.0 AC	60145522	1,0	6.5	1	1x230	3x230
AD M/T 1.5 AC	60145523	1,5	9,0	1	1x230	3x230
AD M/T 2.2 AC	60145524	2.2	11,5	1	1x230	3x230
AD T/T 3.0 AC	60145525	3,0	9,0	2	3x400	3x400
AD T/T 4.0 AC	60145526	4,0	11	2	3x400	3x400
AD T/T 5.5 AC	60145527	5,5	15	2	3x400	3x400
AD T/T 7.5 AC	88002773	7,5	22	2	3x400	3x400
AD T/T 11.0 AC	88002774	11	31	2	3x400	3x400
AD T/T 15.0 AC	88002775	15	41	2	3x400	3x400

DIMENSIONS AND WEIGHTS

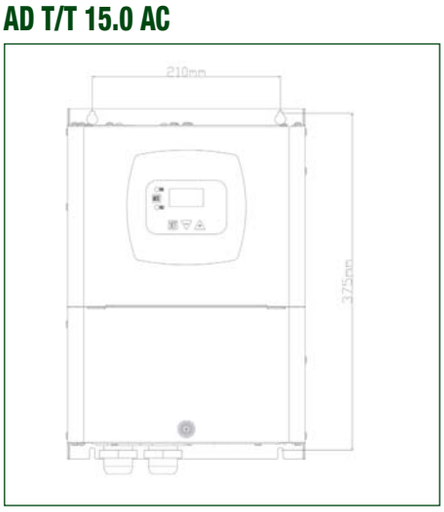
AD M/T 1.0 AC – AD M/T 1.5 AC
AD M/T 2.2 AC



AD T/T 3.0 AC – AD T/T 4.0 AC
AD T/T 5.5 AC



AD T/T 7.5 AC – AD T/T 11.0 AC
AD T/T 15.0 AC



MODEL	L	H	D	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
				L/D	L/L	H		
AD M/T 1.0 AC	200	199	262	300	350	250	5	24
AD M/T 1.5 AC	200	199	262	300	350	250	5	24
AD M/T 2.2 AC	200	199	262	300	350	250	5	24
AD T/T 3.0 AC	267	196	352	350	570	250	7,6	12
AD T/T 4.0 AC	267	196	352	350	570	250	7,6	12
AD T/T 5.5 AC	267	196	352	350	570	250	7,6	112
AD T/T 7.5 AC	343	244	425	380	520	300	12	12
AD T/T 11.0 AC	343	244	425	380	520	300	12	12
AD T/T 15.0 AC	343	244	425	380	520	300	12	12

ENERGY SAVING

Reducing motor speed, even marginally, can lead to an appreciable reduction in power consumption because the absorbed power of an electric motor is proportional to the rpm cubed. For example, a pump powered by the mains that runs at approximately 2950 rpm, will run approximately 20% slower (i.e. at 2360 rpm) when fed with a 40 Hz supply, leading to a saving of 40% in terms of absorbed power. The motor speed reduction increases pump life signifi cantly, thanks to the reduction of mechanical stress.

Pump performance in relation to variations in rpm
Pump rpm n has a very signifi cant infl uence on pump performance.
In the absence of cavitation phenomena the law of similarity is applicable, as shown in equation 1.

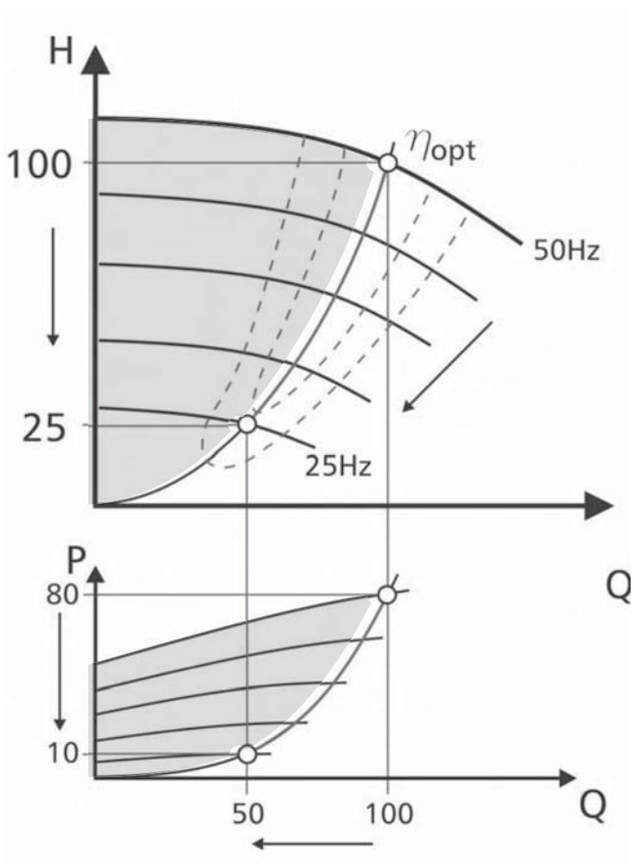
- Flow rate changes in a linear manner with changes in speed.
- Pressure changes in a squared relationship with changes in rpm.
- Power changes in a cubed relationship with changes in rpm.
- A small change in rpm produces a very large change in power.

Equation 1

$$\frac{Q_x}{Q} = \frac{n_x}{n} \qquad Q_x = Q \times \frac{n_x}{n}$$

$$\frac{H_x}{H} = \left(\frac{n_x}{n}\right)^2 \qquad H_x = Hx \left(\frac{n_x}{n}\right)^2$$

$$\frac{P_x}{P} = \left(\frac{n_x}{n}\right)^3 \qquad P_x = Px \left(\frac{n_x}{n}\right)^3$$



- a lowering of the fl ow acc. to the linear function.
- a reduction of the head according to a quadratic function.
- a reduction of the power consumption acc. to a cubic function!

POWER ECONOMY TABLE

AD M/T 1.0 AC – AD M/T 1.5 AC - AD M/T 2.2 AC

Example showing use of a 2,2 kW pump for 10 hours/day *

Performance required of the pump	Minutes/ day	Instantaneous power (ON/OFF)	Power with MCE/P	kWh (ON/OFF)	kWh (INVERTER)	kWh saved
0% - 20%	30	1,32	0,50	0,66	0,25	0,41
20% - 30%	30	1,32	0,50	0,66	0,25	0,41
30% - 40%	60	1,37	0,55	1,37	0,55	0,82
40% - 50%	240	1,41	0,60	5,66	2,39	3,27
50% - 60%	120	1,54	0,69	3,08	1,38	1,70
60% - 70%	54	1,82	0,94	1,64	0,85	0,79
70% - 80%	30	2,04	1,30	1,02	0,65	0,37
80% - 90%	24	2,17	1,76	0,87	0,70	0,16
90% - 100%	12	2,20	2,07	0,44	0,41	0,03
			TOT.	**15,39**	**7,44**	**7,95**

YEARLY SAVING
7,95 kWh X 365 = **2902 kWh**
2902 kWh X 0,2 € / kWh =
€ 580,34

As we will see, in an average day of operation the ADAC unit provides a **saving of 7,95 kWh**, equivalent to 60%, with respect to the consumption of a conventional on/off pump.

AD T/T 3.0 AC – AD T/T 4.0 AC - AD T/T 5.5 AC

Example showing use of a5,5 kW pump for 10 hours/day *

Performance required of the pump	Minutes/ day	Instantaneous power (ON/OFF)	Power with MCE/P	kWh (ON/OFF)	kWh (INVERTER)	kWh saved
0% - 20%	30	3,30	1,26	1,65	0,63	1,02
20% - 30%	30	3,30	1,26	1,65	0,63	1,02
30% - 40%	60	3,42	1,38	3,42	1,38	2,04
40% - 50%	240	3,54	1,49	14,14	5,97	8,17
50% - 60%	120	3,85	1,73	7,70	3,46	4,24
60% - 70%	54	4,56	2,36	4,10	2,12	1,98
70% - 80%	30	5,11	3,26	2,55	1,63	0,92
80% - 90%	24	5,42	4,40	2,17	1,76	0,41
90% - 100%	12	5,50	5,19	1,10	1,04	0,06
			TOT.	**38,48**	**18,61**	**19,87**

YEARLY SAVING
19,87 kWh X 365 = **7254 kWh**
7254 kWh X 0,2 € / kWh =
€ 1.450,85

As we will see, in an average day of operation the ADAC unit provides a **saving of 19,87 kWh**, equivalent to 60%, with respect to the consumption of a conventional on/off pump.

AD T/T 7.5 AC - AD T/T 11.0 AC - AD T/T 15.0 AC

Example showing use of a 15 kW pump for 10 hours/day *

Performance required of the pump	Minutes/day	Instantaneous power (ON/OFF)	Power with PWM	kWh (ON/OFF)	kWh (INVERTER)	kWh saved
0% - 20%	30	9,00	3,43	4,50	1,71	2,79
20% - 30%	30	9,00	3,43	4,50	1,71	2,79
30% - 40%	60	9,32	3,75	9,32	3,75	5,57
40% - 50%	240	9,64	4,07	38,57	16,29	22,29
50% - 60%	120	10,50	4,71	21,00	9,43	11,57
60% - 70%	54	12,43	6,43	11,19	5,79	5,40
70% - 80%	30	13,93	8,89	6,96	4,45	2,52
80% - 90%	24	14,79	12,00	5,91	4,80	1,11
90% - 100%	12	15,00	14,14	3,00	2,83	0,17
			TOT.	**104,96**	**50,75**	**54,20**

As we will see, in an average day of operation the ADAC unit provides a **saving of 54,20 kWh**, equivalent to 60%, with respect to the consumption of a conventional on/off pump.

YEARLY SAVING
54,20 kWh X 365 = **19784 kWh**
19784 kWh X 0,2 € / kWh =
€ 3.956,86

*The table shows a comparison of **daily consumption** of a standard pump driven by an On/Off system and a pump driven by a ADAC inverter.

E-BOX
CONTROL PANEL



CE

SUBMERSIBLE PUMPS/ PRESSURE PUMPS

SUBMERSIBLE PUMPS
- Ideal for filling/draining stations.
- designed for Single-phase and three-phase pumps.
- Working with float switches (max.5).
- Working with level probes (max.5).
- Working with depths sensors(0-10V / 4...20mA).
- Amperometric protection.
- Exchange of the pumps starting order (each start).

PRESSURE PUMPS
- Ideal to drive 2 pumps booster sets.
- designed for Single-phase and three-phase pumps.
- Working with pressure switches (max. 4).
- Working with depths sensors (0-10V / 4...20mA).
- Amperometric protection.
- Exchange of the pumps starting order (each start).

TECHNICAL DATA

MODEL	CODE	VOLTAGE 50 HZ	STARTING	P2 NOMINAL		MAX CURRENT A	N° connectable floats	N° connectable pumps
				kW x2	HP x2			
E-Box 2D M/T	**60114868**	1 X 230 V	DIRECT	2,2	3	12 + 12	2 - 3 - 4	1/2
		3 x 400 V		5,5	7,5			
E-Box 2D 40µF	**60114869**	1 X 230 V	DIRECT	2,2	3	12 + 12	2 - 3 - 4	1/2

SMART PRESS
ON/OFF CONTROLLER



CE

DOMESTIC WATER SUPPLY

SMART PRESS is an ON/OFF electronic device designed to switch the pump ON/OFF without using an expansion vessel.
The device protects the pump against dry running without using level probes or float switch.

It has an adjustable cut-in pressure and even with a high flow the pressure losses are small.
All the SMART PRESS models have a MANUAL AND AUTOMATIC RESTART.

TECHNICAL DATA

MODEL	CODE	SETTING PRESSURE bar	DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
SMART PRESS WG 1,5 - AUTOM. RESET - WITHOUT CABLE	**60114808**	1,5	1 " M	1 " ¼ F	1,3	100
SMART PRESS WG 1,5 - AUTOM. RESET - WITH CABLE	**60113308**	1,5	1 " M	1 " ¼ F	1,6	100
SMART PRESS WG 3.0 - AUTOM. RESET - WITHOUT CABLE	**60114809**	1,5	1 " M	1 " ¼ F	1,3	100
SMART PRESS WG 3.0 - AUTOM. RESET. - WITH CABLE	**60113922**	1,5	1 " M	1 " ¼ F	1,6	100

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WET ROTOR ELECTRONIC CIRCULATORS
PERFORMANCE RANGE

EVOTRON - *HEATING, AIR CONDITIONING*

SINGLE	TWIN	P1 Max W	Q m^3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70
EVOTRON 40	-	27	H (m)	4	3,2	2,3	1,7	1,1		
EVOTRON 40 SAN										
EVOTRON 60	-	43		6	5,6	4,5	3,5	2,6	1,8	
EVOTRON 60 SAN										
EVOTRON 80	-	66		8	7,8	6	4,8	3,9	3,1	1,6
EVOTRON 80 SAN										
-	**EVOTRON 60 D**	43		4,8	4,2	3,2	2,4	1,8	1,1	
-	**EVOTRON 80 D**	66		7,6	6,7	4,7	3,7	2,9	2,5	0,6
EVOTRON 60 SOL	-	43		6	5,6	4,5	3,5			
EVOTRON 80 SOL	-	66		8	7,8	6	4,8	3,9		

* Hydraulic values are assumed at maximum speed and are referred to individual models.

Operating frequency: 50 Hz

AC - *HEATING*

MODEL	P1 Max W	Q m3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160
AC 65	70	H (m)	6	6	5,9	5,4	4,7	4	3,1	2,4	1	
AC 80	107		8	8	7,9	7,4	6,8	6,2	5,1	4,3	2,7	
AC 110/180 X	174		11	11	10,8	10,6	10,2	9,9	8,7	6,9	5,1	2,9

* Hydraulic values are assumed at maximum speed and are referred to individual models.

Operating frequency: 50 Hz

EVOTRON

NEW

EVOTRON

WET ROTOR ELECTRONIC CIRCULATORS

compliant with the 2013 and 2015 european directive ErP 2009/125/EC (ex EuP)

CE

HEATING, AIR CONDITIONING



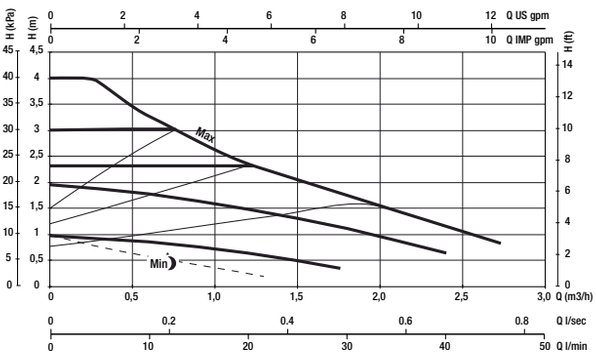
Thanks to the advanced technology employed, **the permanent magnet synchronous motor,** and **the frequency converter**, the new range of **EVOTRON** circulators ensures high efficiency in all applications, bringing appreciable benefits in terms of energy saving. That's why the entire series of **EVOTRON** circulators is included in energy efficiency class A. The circulator features an electronic device that detects the changes demanded by the heating system and automatically adapts circulator performance accordingly, always ensuring optimal efficiency and minimum energy consumption.
Straightforward operation and an easy-to-ready control panel with display that shows the selected setting at each moment of operation.
Improved and optimized energy consumption overnight (SMART SLEEP Function).
Supplied with a special connector that enables simple and quick electrical connections on installation.
Supplied with an insulation housing kit which adds significantly reducing in heat dispersion.
Operating range: from 0,4 to 4,2 m^3/h with head of up to a 8 mt.
Liquid temperature range: from -10°C a +110°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection rating: IP 44.
Insulation class: F.
Installation: with HORIZONTAL MOTOR SHAFT.
Standard voltage input: single-phase 1x230V/50/60 Hz
Liquid quality requirements: clean, free of solids and mineral oils, non-viscous, chemically neutral and approximating the properties of water (max. glycol contents 30%).
Special versions on request: alternative voltages and/or frequencies.

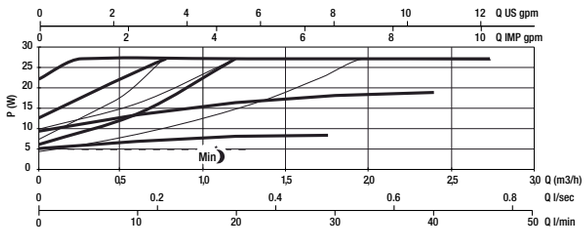
TECHNICAL DATA - SINGLE

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA			UNIONS ON REQUEST		MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	P1 RANGE W	In A	STANDARDIZED	SPECIAL	
EVOTRON 40/130	60143302	130	1x230 V	5 - 27	0,05 - 0,26	1" F	¾" F - 1¼" M	T° + 90°C m.c.a. 10
EVOTRON 40/130(1/2)	60143355	130	1x230 V	5 - 27	0,05 - 0,26	½" F	-	T° + 90°C m.c.a. 10
EVOTRON 40/180	60143358	180	1x230 V	5 - 27	0,05 - 0,26	1" F	¾" F - 1¼" M	T° + 90°C m.c.a. 10
EVOTRON 40/180X	60143361	180	1x230 V	5 - 27	0,05 - 0,26	1¼" F	-	T° + 90°C m.c.a. 10
EVOTRON 60/130	60143303	130	1x230 V	5 - 43	0,05 - 0,40	1" F	¾" F - 1¼" M	T° + 90°C m.c.a. 10
EVOTRON 60/130(1/2)	60143356	130	1x230 V	5 - 43	0,05 - 0,40	½" F	-	T° + 90°C m.c.a. 10
EVOTRON 60/180	60143359	180	1x230 V	5 - 43	0,05 - 0,40	1" F	¾" F - 1¼" M	T° + 90°C m.c.a. 10
EVOTRON 60/180X	60143362	180	1x230 V	5 - 43	0,05 - 0,40	1¼" F	-	T° + 90°C m.c.a. 10
EVOTRON 80/130	60143304	130	1x230 V	5 - 66	0,06 - 0,60	1" F	¾" F - 1¼" M	T° + 90°C m.c.a. 10
EVOTRON 80/130(1/2)	60143357	130	1x230 V	5 - 66	0,06 - 0,60	½" F	-	T° + 90°C m.c.a. 10
EVOTRON 80/180	60143360	180	1x230 V	5 - 66	0,06 - 0,60	1" F	¾" F - 1¼" M	T° + 90°C m.c.a. 10
EVOTRON 80/180X	60143363	180	1x230 V	5 - 66	0,06 - 0,60	1¼" F	-	T° + 90°C m.c.a. 10

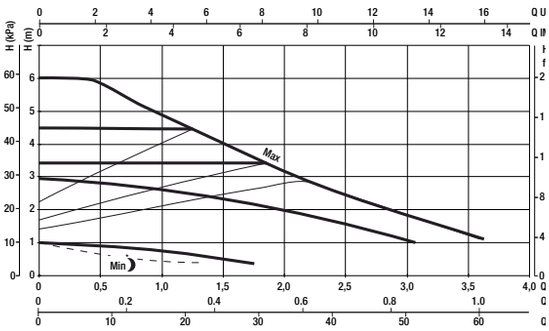
EVOTRON
WET ROTOR ELECTRONIC CIRCULATORS

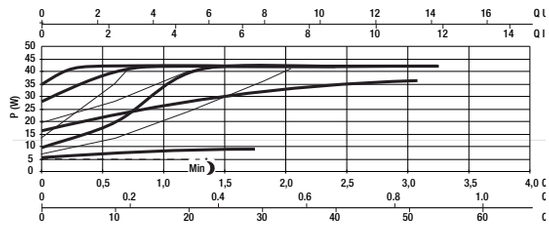
EVOTRON 40



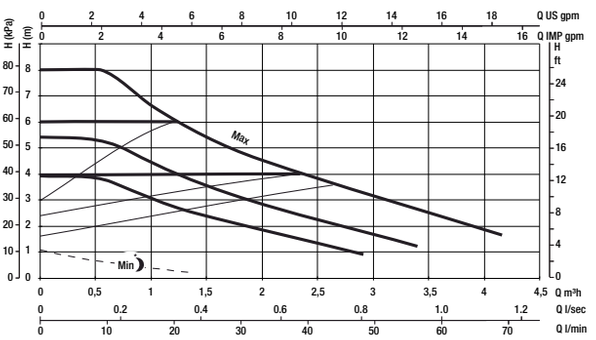


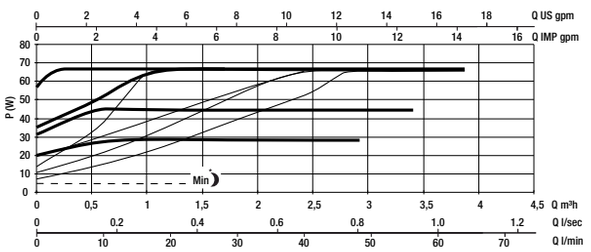
EVOTRON 60



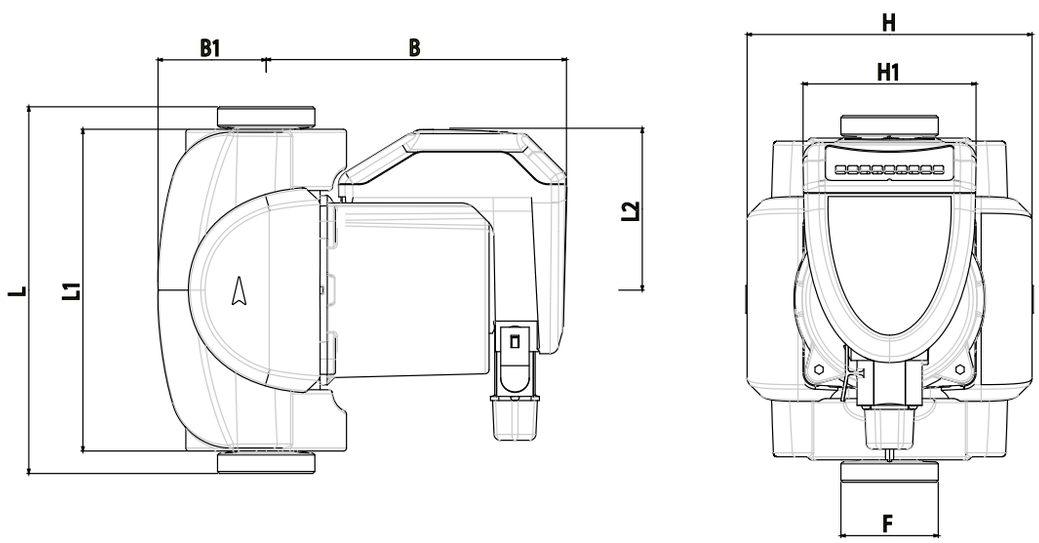


EVOTRON 80





DIMENSIONS AND WEIGHTS



MODEL	L	L1	L2	B	B1	H	H1	F	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
									L	B	H		
EVOTRON 40/130	130	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.7	120
EVOTRON 40/130(1/2)	130	158	79.5	147.5	53	140	85	1"	148	193	217	2.7	120
EVOTRON 40/180	180	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.9	120
EVOTRON 40/180X	180	158	79.5	147.5	53	140	85	2"	148	193	217	2.9	120
EVOTRON 60/130	130	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.7	120
EVOTRON 60/130(1/2)	130	158	79.5	147.5	53	140	85	1"	148	193	217	2.7	120
EVOTRON 60/180	180	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.9	120
EVOTRON 60/180X	180	158	79.5	147.5	53	140	85	2"	148	193	217	2.9	120
EVOTRON 80/130	130	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.7	120
EVOTRON 80/130(1/2)	130	158	79.5	147.5	53	140	85	1"	148	193	217	2.7	120
EVOTRON 80/180	180	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.9	120
EVOTRON 80/180X	180	158	79.5	147.5	53	140	85	2"	148	193	217	2.9	120

DAB PUMPS reserves the right to make modifications without notice

EVOTRON

NEW

EVOTRON D

WET ROTOR ELECTRONIC CIRCULATORS

compliant with the 2013 and 2015 european directive ErP 2009/125/EC (ex EuP)

CE

HEATING, AIR CONDITIONING

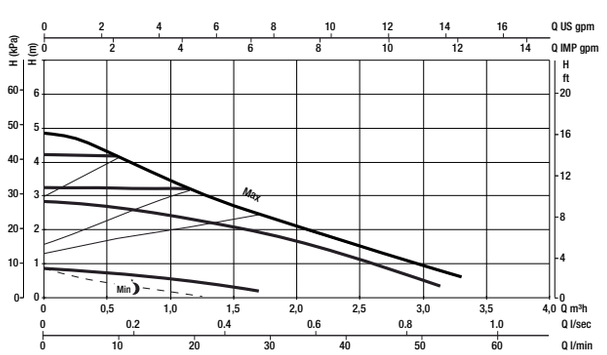


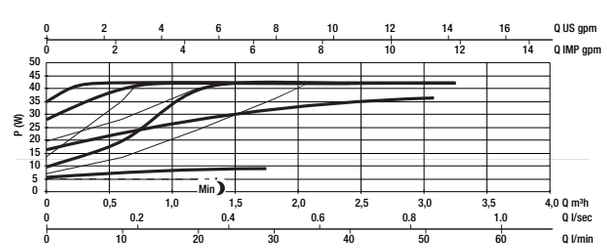
Thanks to the advanced technology employed, **the permanent magnet synchronous motor**, and **the frequency converter**, the new range of **EVOTRON D TWIN BODY** circulators ensures high efficiency in all applications, bringing appreciable benefits in terms of energy saving. That's why the entire series of **EVOTRON D** circulators is included in energy efficiency class A.
The circulator features an electronic device that detects the changes demanded by the heating system and automatically adapts circulator performance accordingly, always ensuring optimal efficiency and minimum energy consumption.
Straightforward operation and an easy-to-ready control panel with display that shows the selected setting at each moment of operation.
Improved and optimized energy consumption overnight (SMART SLEEP Function).
Supplied with a special connector that enables simple and quick electrical connections on installation.
Supplied with an insulation housing kit which adds significantly reducing in heat dispersion.
Operating range: from 0,4 to 4,2 m3/h with head of up to a 7,6 mt.
Liquid temperature range: from -10°C a +110°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection rating: IP 44.
Insulation class: F.
Installation: with HORIZONTAL MOTOR SHAFT
Standard voltage input: single-phase 1x230V/50/60 Hz.
Liquid quality requirements: clean, free of solids and mineral oils, non-viscous, chemically neutral and approximating the properties of water (max. glycol contents 30%).
Special versions on request: alternative voltages and/or frequencies.

TECHNICAL DATA - TWIN

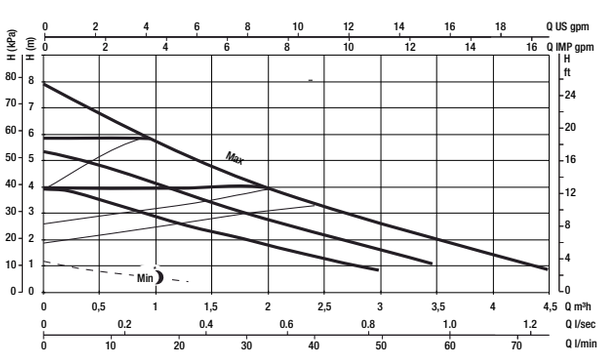
MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA			FLANGES ON REQUEST	MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	P1 RANGE W	In A		
EVOTRON D 60/220.32	60147123	220	1x230 V	5 - 43	0,05 - 0,4	DN 32 PN6/PN10	t° +90°C m.c.a. 2,5
EVOTRON D 80/220.32	60147124	220	1x230 V	5 - 66	0,06 - 0,6	DN 32 PN6/PN10	t° +90°C m.c.a. 2,5

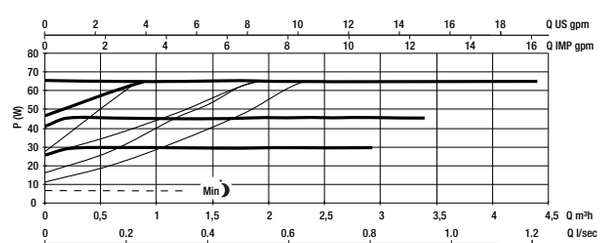
EVOTRON D 60



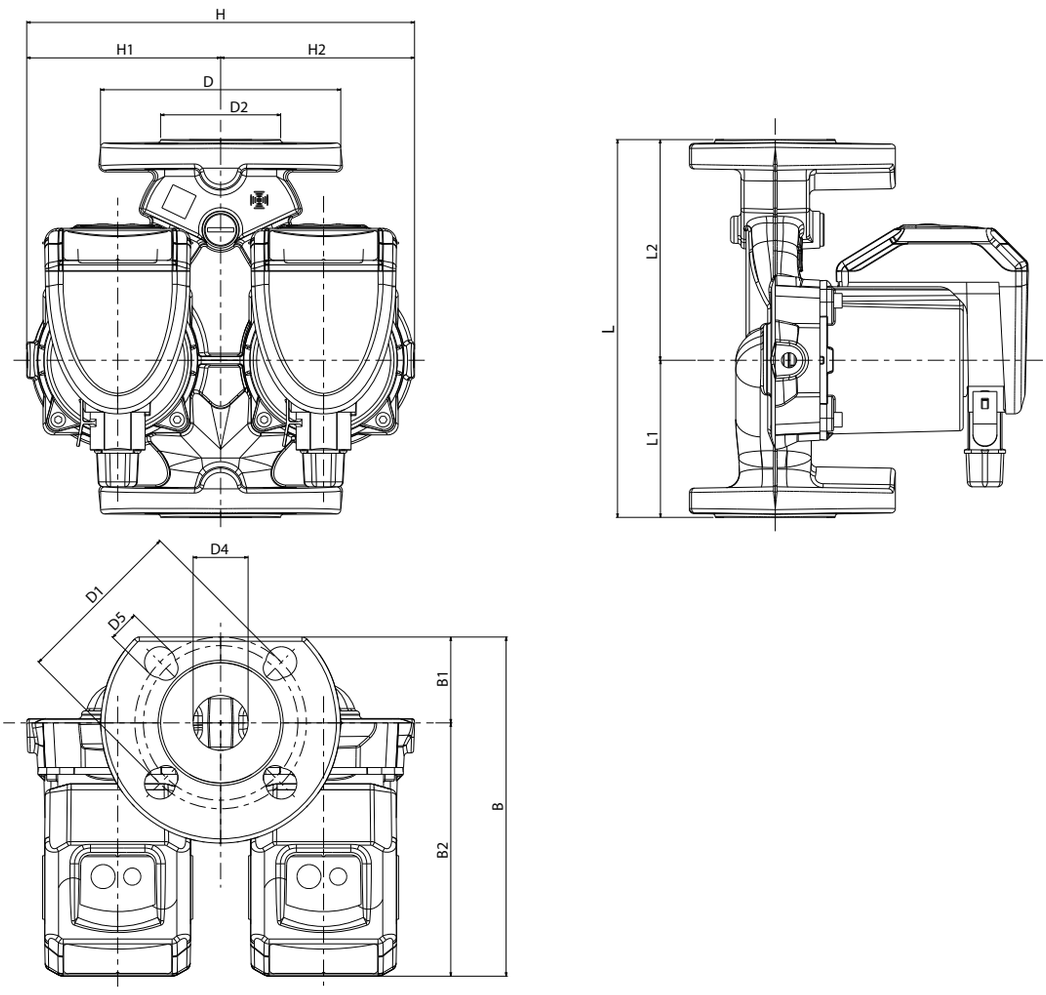


EVOTRON D 80





DIMENSIONS AND WEIGHTS



MODEL	L	L1	L2	B	B1	B2	D	D1		D2	D4	D5		H	H1	H2	PACKAGING DIMENSION			WEIGHT KG	Q.TY x PALLET
								PN6	PN 10			PN6	PN 10				L	B	H		
EVOTRON D 60/220.32	220	91.5	128.5	197.5	50	147.5	140	90	100	70	31	14	18	230	115	115	355	298	283	8.6	24
EVOTRON D 80/220.32	220	91.5	128.5	197.5	50	147.5	140	90	100	70	31	14	18	230	115	115	355	298	283	8.6	24

DAB PUMPS reserves the right to make modifications without notice

AC 65 - 80 - 110
ELECTRONIC CIRCULATORS



CE

HEATING

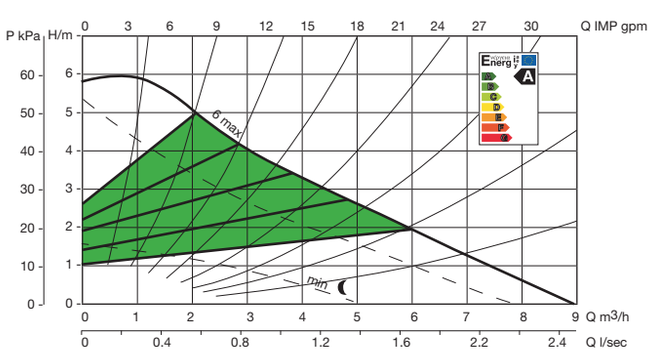
The range of AC series circulators guarantees a high level of efficiency and important energy saving results thanks to the state-of-the art technology adopted, **permanent magnet synchronous motor and frequency converter**. For this reason the new range of **AC** series circulators belongs to energy efficiency class A. The circulator incorporates an intelligent electronic device that automatically adapts its performances to the variations required by the system always assuring maximum efficiency with minimum energy consumption. **Easy to set and control**, all functions can be selected using one single button on the control panel. Easy to read control panel with front display that indicates the operation mode set and hydraulic performance of the circulator.

Operating range: from 0.4 - 10.2 m³/h with maximum head up to 11 metres.
Liquid temperature range: from + 2 °C to + 110 °C.
Pumped liquids: clean, free from solids and mineral oils, not viscous, chemically neutral and close to the characteristics of water **(glicole max. 50%).**
Working pressure: 10 bar (1000 kPA).
Installation: with horizontal motor axis.
Standard power supply: single-phase 1 x 230 V / 50 Hz.
Protection level: IP 44.
Insulation class: F.

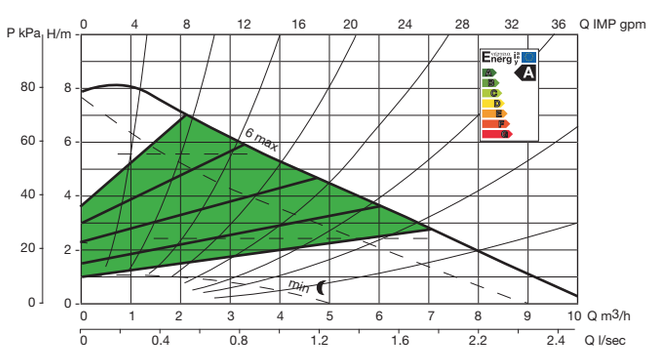
TECHNICAL DATA

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA			UNIONS ON REQUEST Ø	MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	P1 RANGE W	In A		
AC 65/180	**60117382**	180	1x230 V	8-70	0,1-0,5	1" F - 3/4" F - 1" 1/4 M	t° + 90°C m.c.a. 4,5
AC 65/180 X	**60117383**	180	1x230 V	8-70	0,1-0,5	1" 1/4 F	t° + 90°C m.c.a. 4,5
AC 80/180	**60117384**	180	1x230 V	8 -107	0,1-0,8	1" F - 3/4" F - 1" 1/4 M	t° + 90°C m.c.a. 4,5
AC 80/180 X	**60117385**	180	1x230 V	8 -107	0,1-0,8	1" 1/4 F	t° + 90°C m.c.a. 4,5
AC 110/180 X	**60117534**	180	1x230 V	8 -174	0,1-1,25	1" 1/4 F	t° + 90°C m.c.a. 4,5

AC 65

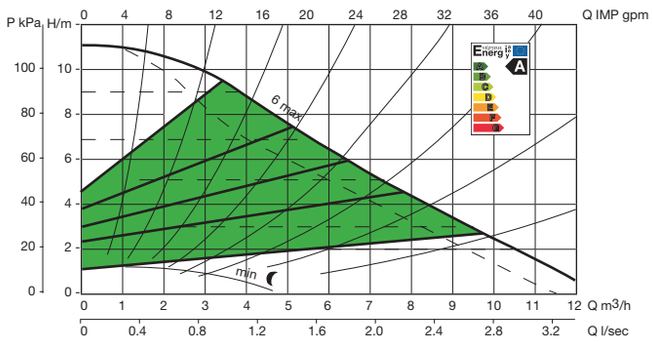


AC 80

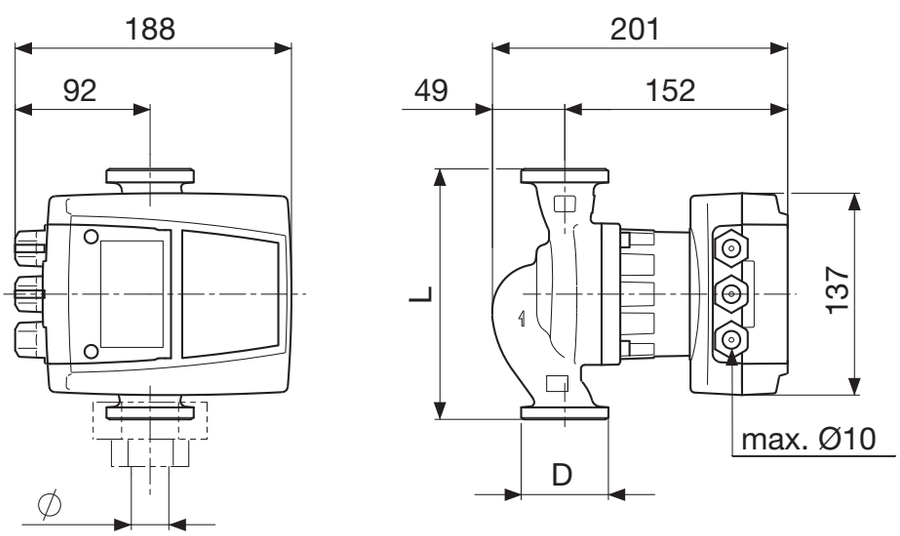


AC 65 - 80 - 110
ELECTRONIC CIRCULATORS

AC 110



DIMENSIONS AND WEIGHTS



MODEL	L	B	H1	PACKAGING DIMENSION			WEIGHT KG	Q.TY x PALLET
				L	B	H		
AC 65/180	180	152	92	230	187	200	3.8	54
AC 65/180 X	180	152	92	230	187	200	3.8	54
AC 80/180	180	152	92	230	187	200	3.8	54
AC 80/180 X	180	152	92	230	187	200	3.8	54
AC 110/180 X	180	152	92	230	187	200	3.8	54

ELECTRONIC CIRCULATORS
PERFORMANCE RANGE

BPH-E - *HEATING AND AIR CONDITIONING SYSTEMS*

SINGLE	P1 Max W	Q m3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160	12 200	14,4 240	18 300	24 400	30 500	36 600	42 700	54 900	72 1200	80 1333	120 2000
BPH-E 60/250.40 M	344		7,2			6,8	6,7	6,5	6,2	5,8	5	3,7	2										
BPH-E 120/250.40 M	528		11			10,3	10,1	9,8	9,2	8,6	7,65	6,2	4,35	2,4									
BPH-E 60/280.50 M	606		7,65			7,5	7,45	7,4	7,3	7,2	6,98	6,7	6,2	5,75	4,6	2,3							
BPH-E 120/280.50 M	893		11,3						10,8	10,5	10,3	9,9	9,4	8,5	7,2	4,8	2,1						
BPH-E 180/280.50 M	1693	H (m)	18,4								17,4	17	16,4	15,6	14,4	12	8,8	5,2					
BPH-E 60/340.65 M	744		7,4						7,35	7,3	7,24	7,1	6,9	6,65	6,15	4,9	3,3	1,4					
BPH-E 120/340.65 M	1262		10,9						10,75	10,68	10,6	10,5	10,38	10,2	9,8	8,7	7,15	5,2	3				
BPH-E 150/340.65 M	1767		14,9						14,88	14,83	14,75	14,65	14,55	14,3	13,88	12,65	11	9,35	7,15				
BPH-E 120/360.80 M	1789		11,8								11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65			
BPH-E 120/450.100 M	1789		11,8								11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65			

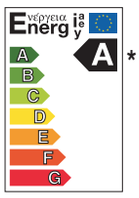
** Hydraulic values are assumed at maximum speed and are referred to individual models*

DPH-E - *HEATING AND AIR CONDITIONING SYSTEMS*

TWIN	P1 Max W	Q m3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160	12 200	14,4 240	18 300	24 400	30 500	36 600	42 700	54 900	72 1200	80 1333	120 2000
DPH-E 60/250.40 M	344		7,2			6,8	6,7	6,5	6,2	5,8	5	3,7	2										
DPH-E 120/250.40 M	528		11			10,3	10,1	9,8	9,2	8,6	7,65	6,2	4,35	2,4									
DPH-E 60/280.50 M	606		7,65			7,5	7,45	7,4	7,3	7,2	6,98	6,7	6,2	5,75	4,6	2,3							
DPH-E 120/280.50 M	893		11,3						10,8	10,5	10,3	9,9	9,4	8,5	7,2	4,8	2,1						
DPH-E 180/280.50 M	1693	H (m)	18,4								17,4	17	16,4	15,6	14,4	12	8,8	5,2					
DPH-E 60/340.65 M	744		7,4						7,35	7,3	7,24	7,1	6,9	6,65	6,15	4,9	3,3	1,4					
DPH-E 120/340.65 M	1262		10,9						10,75	10,68	10,6	10,5	10,38	10,2	9,8	8,7	7,15	5,2	3				
DPH-E 150/340.65 M	1767		14,9						14,88	14,83	14,75	14,65	14,55	14,3	13,88	12,65	11	9,35	7,15				
DPH-E 120/360.80 M	1789		11,8								11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65			

** Hydraulic values are assumed at maximum speed and are referred to individual models*

BPH-E / DPH-E
ELECTRONIC CIRCULATORS



HEATING AND AIR CONDITIONING SYSTEMS



BPH-E **DIALOGUE**



DPH-E **DIALOGUE**

DIALOGUE electronic circulation pumps can be used in the heating, ventilation and air conditioning systems of apartment and office blocks such as:
- High-rise apartments
- Apartment blocks
- Houses
- Clinics and hospitals
- Schools
- Buildings adapted for offices
- Properties

All models are available both in the single version as well as in the back-up twin version.
The **BPH-E and DPH-E DIALOGUE** circulators incorporate an electronic controller offering adjustment at constant pressure, adjustment at proportional pressure (constant flow, therefore) and constant curve and differential pressure operation according to the temperature of the pumped liquid. The user interface is intuitive and easy to use.

STRUCTURAL CHARACTERISTICS (Electronic devices)
For greater efficiency and strength, the **DIALOGUE** circulators are controlled by a IGBT based device with the latest NPT technology. The specific characteristics are as follows:
- sinusoidal PWM modulation
- High carrier frequency to eliminate any audio band noise
- 32 bit dedicated DPS processor
- "space vector" optimized algorithm.

Setting has been made user friendly thanks to an intuitive and functional user interface. The simplified backlit display on the control panel, with three simple navigation keys, a pull-down menu in line with the latest mobile phone trends, and a wide range of functions make the BPH-E **DIALOGUE** circulator a revolutionary product.
A reliable a sturdy construction combined to the modern and innovative design completes the product even from an aesthetical point of view.

STRUCTURAL CHARACTERISTICS
Enbloc circulation pump made up of cast iron hydraulic parts and an electric asynchronous motor with wet rotor. Aluminium motor casing. High performance volute pump casing thanks to the detailed design and smooth internal surfaces. In-line suction and delivery ports, flanged with threaded connectors for the introduction of the temperature and pressure sockets. Technopolymer rotor, hardened stainless steel motor shaft mounted on graphite bushings that are lubricated by the pumped liquid. Stainless steel rotor and stator liner. Ceramic thrust washer, ethylene propylene grommet and brass air vent cap. Two pole asynchronous motor.
An automatic type clapet valve is foreseen on the back-up twin version that is incorporated into the delivery port to prevent the circulation of water when the unit is idle. Furthermore, a blank flange is also supplied if one of the two motors requires maintenance. The standard PN10 production of the pump casing is compatible with PN6 counterflanges for the interchangeability of the pump on existing systems. The DN 80 PN 16 version (eight holes) can be supplied on request.

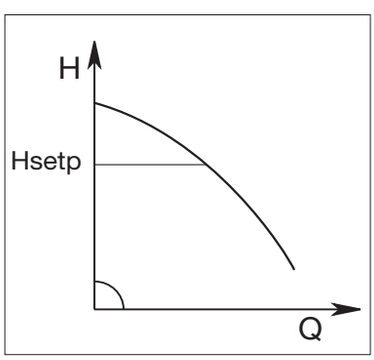
Circulator protection class: IP 44.
Insulation class: H.
Standard voltage: 230V, 50/60 Hz single-phase.
The product complies with the EN61800-3 -EN 60335-1 - EN60335-2-51 European standards
Operating range: from 5 to 64 m^3/h with head up to 18 metres.
Liquid temperature range: from –10 °C to +120 °C.
Liquid quality requirements: clean, free from solids, not viscous, not aggressive and close to the characteristics of water. (glicole max 30%).
Maximum operating pressure: 10 bar (1000 kPa).
Flanging: DN 40, DN 50, DN 65, PN 10 (4 holes), DN 80 in PN 6 / 10 (4 holes).
Minimum head pressure: see tables.
Special versions on request: flanging - DN 80 in PN 10 / PN 16 (8 holes).

* see performance curves

OPERATING MODES

All operations listed below can be consulted by all users (even those less qualified) by means of the Dialogue menu.
Access to the settings and modification of the parameters is protected and reserved for qualified users only.

1 - Constant differential pressure regulation mode ΔP-c
The ΔP-c regulation mode maintains the system's differential pressure constant at the set value Hsetp based on the varying flow rate.

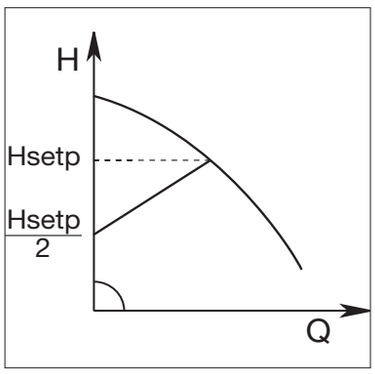


This regulation is particularly suitable for the following systems:
a. Dual pipe heating systems with thermostatic valves and:
- head less than 2 meters;
- natural circulation;
- low head loss in the parts of the system where the total quantity of water flows;
- high differential temperature (central heating).

b. Floor heating systems with thermostatic valves.
c. Single pipe heating systems with thermostatic valves and adjustment valves.
d. Systems with primary circuit pumps with low head loss.

2 - Proportional differential pressure regulation mode ΔP-v

The ΔP-v regulation mode, based on the changing flow rate, linearly varies the delivery value of the head from Hsetp to Hsetp/2.



This regulation is particularly suitable for the following systems:

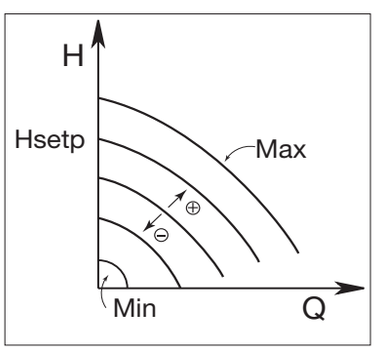
a. Dual pipe heating systems with thermostatic valves and:

- head over 4 meters;
- exceptionally long piping;
- valves with a wide operating range;
- differential pressure regulator;
- high head loss in the parts of the system where the total quantity of water flows;
- low differential temperature.

b. Floor heating systems and systems with thermostatic valves and high head loss in the boiler circuit.

c. Systems with primary circuit pumps with high head loss.

3 - Constant curve regulation mode

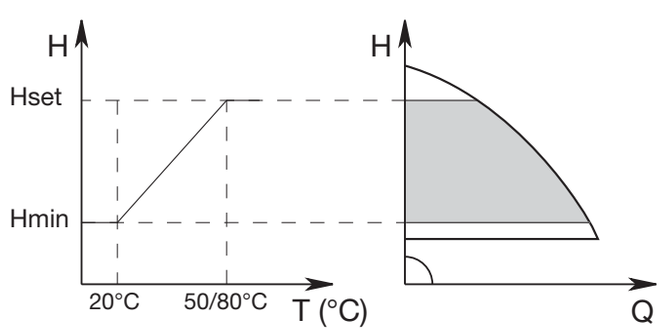


The regulation at constant speed deactivates the regulation of the electronic module.
The speed of the pump can be manually regulated at a constant value through the control panel, remote control or by a 0-10V signal where:

V<= 3 Volt the rotation speed is 846 rpm (min speed).
V = 10 Volt the rotation speed is 2820 rpm (max speed).
For V between 3 and 10 Volt linear interpolation of the speed.

This type of regulation is particularly suitable for circulators in already existing systems.

4 - Proportional and constant differential pressure regulation mode based on the water temperature



The Setpoint related to the head of the circulator is reduced and increased base on the water temperature.
The temperature of the liquid can be set at 80°C or 50°C.

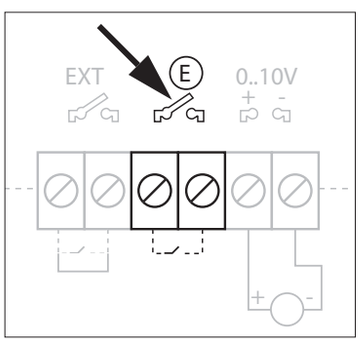
This type of regulation is particularly suitable for the following systems:

a. in systems with a variable flow rate (dual pipe heating systems), where a further reduction of the circulator's performance is ensured due to the drop in temperature of the circulating liquid when less heating is required.

b. in systems with a constant flow rate (single pipe and floor heating systems), where the performance of the circulator can be regulated only when the temperature change function is activated.

This is set by means of the control unit on the lid of the **DIALOGUE** device.

ECONOMY MODE



The economy mode can be set directly from the control panel by setting the reduction value (f.rid) that can have a maximum value of 50%.
The following values are replaced in all the previously listed settings: Hset to a value of Hset x f.rid

ALARMS MANAGEMENT

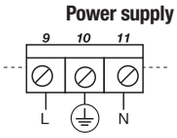
The **DIALOGUE** device can remotely reactivate the alarms that have occurred in the pump itself through a clean contact (250Vac – 5 Amp). These alarms are also memorised in the resident memory for subsequent consultation. The alarms archive can also be cancelled to perform dedicated tests.

ALARMS DISPLAY

Symbol	Alarm Type	Symbol	Alarm Type
	E01 “Pump blocked”		W01 “No sensor signal”
	E02 “Internal error V18”		W02 “No back-up twin communication”
min	E03 “Low mains voltage” (LP)	max	W03 “Overheating of electronic parts”
max	E04 “High mains voltage” (HP)		W04 “Cooling system failure”
max	E06 “Critical overheating of electronic parts”		

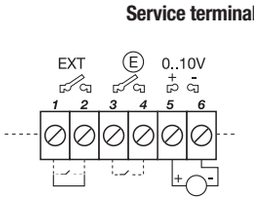
ELECTRICAL CONNECTIONS

Power supply terminal block layout



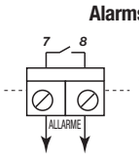
Power supply connection terminals
1x230V 50-60Hz
9 = Live
10 = Earth
11 = Neutral

Service terminal block layout



Remote control connection terminals
1 - 2 (exit)
Economy mode input connection terminals
3 - 4 (E)
Analogue input
connection terminals 0-10V dc
5 = + 10V 6 = 0 V

Alarms terminal block layout



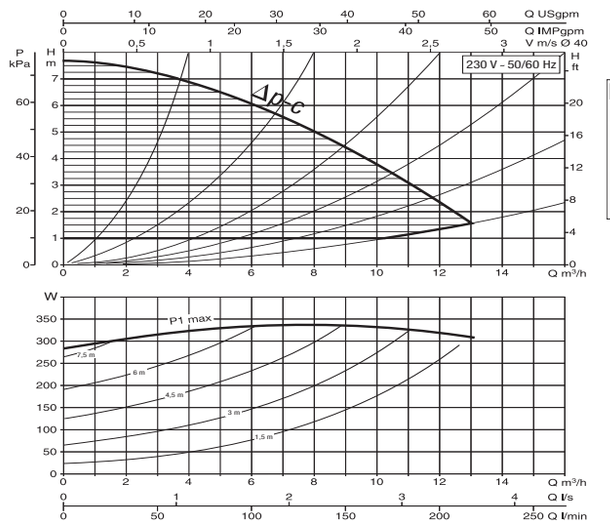
Remote alarm contact connection terminals
250V ac 5A
7 - 8 (alarm)

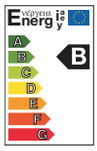
TECHNICAL DATA - SINGLE FLANGED

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA				MINIMUM HEAD PRESSURE				
			VOLTAGE 50 Hz	P1 MAX W	In A	COUNTERFLANGES ON REQUEST	t°	75°	90°	110°	120°
BPH-E 60/250.40 M	**505904040**	250	1x230 V	344	2	DN 40 - PN 10	m.t.	1,6	4	-	19
BPH-E 120/250.40 M	**505907040**	250	1x230 V	528	3	DN 40 - PN 10	m.t.	6	9	-	23
BPH-E 60/280.50 M	**505924040**	280	1x230 V	606	3,37	DN 50 - PN 10	m.t.	4	7,5	-	21
BPH-E 120/280.50 M	**505927040**	280	1x230 V	893	4,84	DN 50 - PN 10	m.t.	2	5	-	20
BPH-E 180/280.50 M	**505929040**	280	1x230 V	1693	9,2	DN 50 - PN 10	m.t.	2	5	-	20
BPH-E 60/340.65 M	**505944040**	340	1x230 V	744	4,1	DN 65 - PN 10	m.t.	1	4	-	18
BPH-E 120/340.65 M	**505947040**	340	1x230 V	1262	6,72	DN 65 - PN 10	m.t.	7	11	18	-
BPH-E 150/340.65 M	**505948040**	340	1x230 V	1767	9,2	DN 65 - PN 10	m.t.	7	11	18	-
BPH-E 120/360.80 M	**505967040**	360	1x230 V	1789	9,23	DN 80 - PN 10	m.t.	6	10	-	22
BPH-E 120/450.100 M	**60129173**	450	1x230 V	1789	9,23	DN 100 - PN 16	m.t.	6	10	-	22

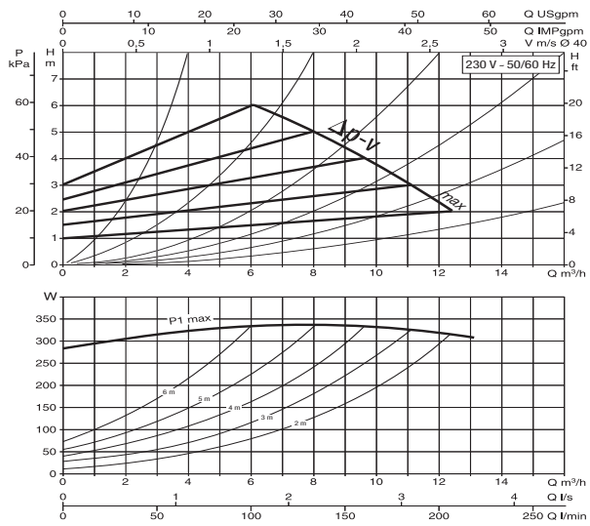
BPH-E 60/250.40 M

Δp-c (costant)





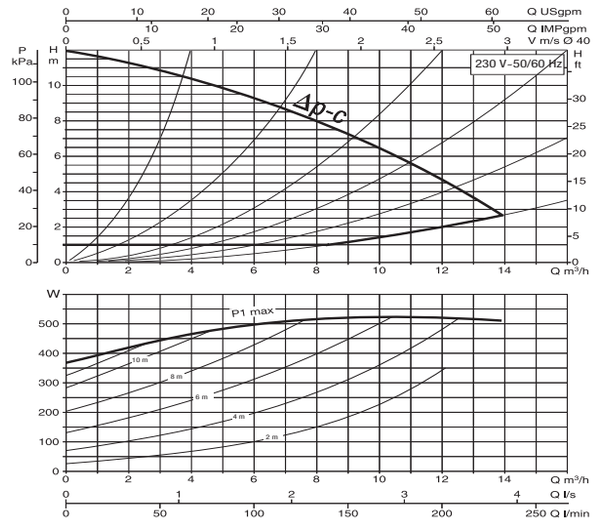
Δp-v (variable)

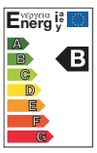


BPH-E
ELECTRONIC CIRCULATORS

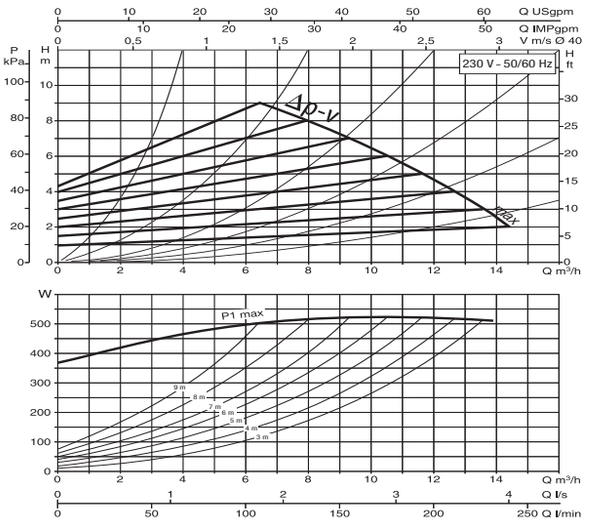
BPH-E 120/250.40 M

Δp-c (constant)



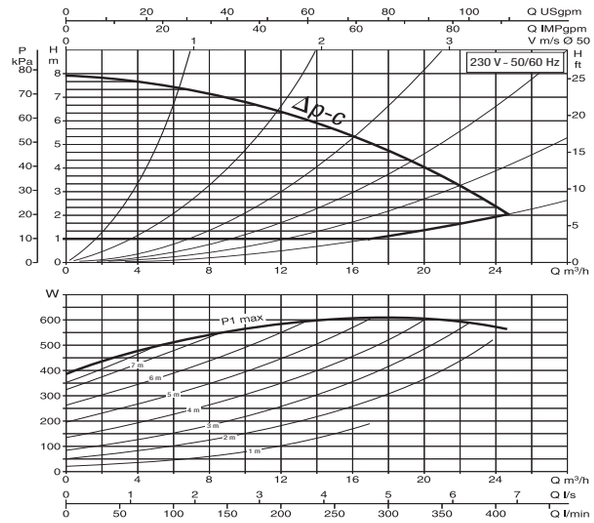


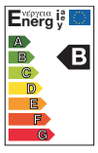
Δp-v (variable)



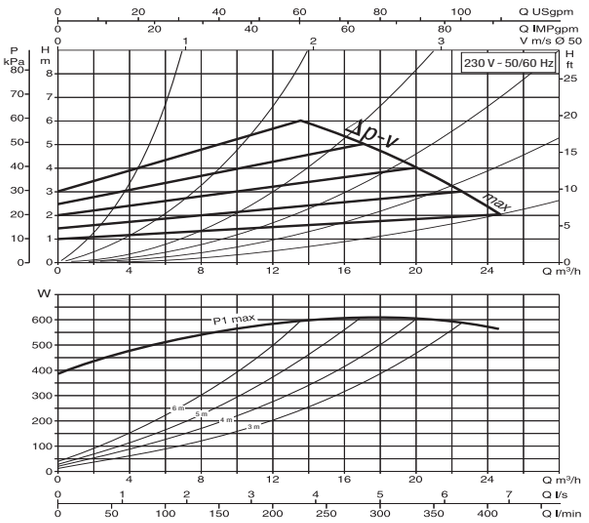
BPH-E 60/280.50 M

Δp-c (constant)



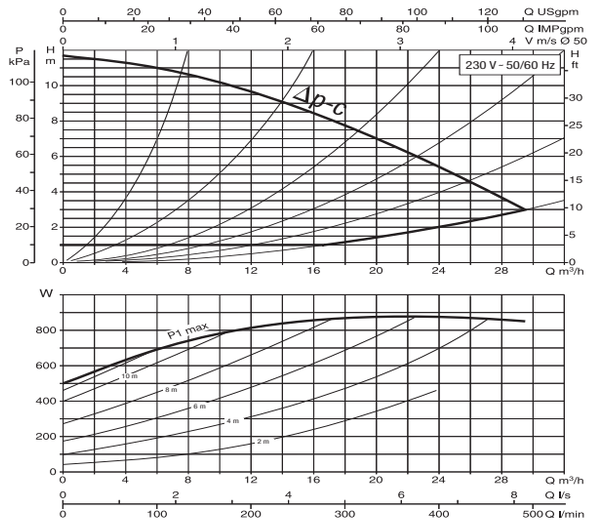


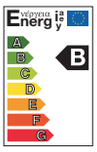
Δp-v (variable)



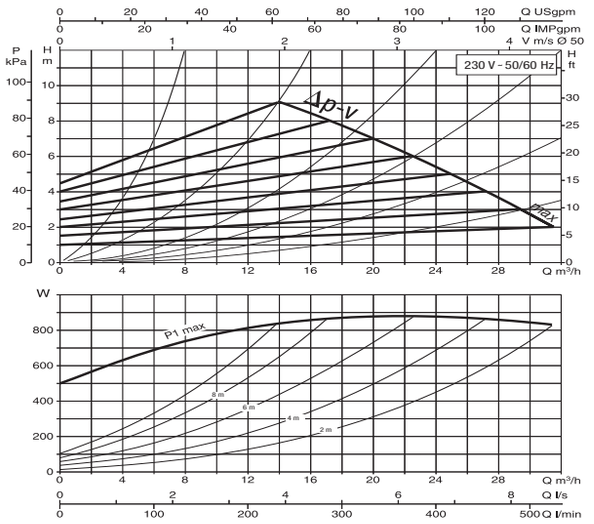
BPH-E 120/280.50 M

Δp-c (constant)





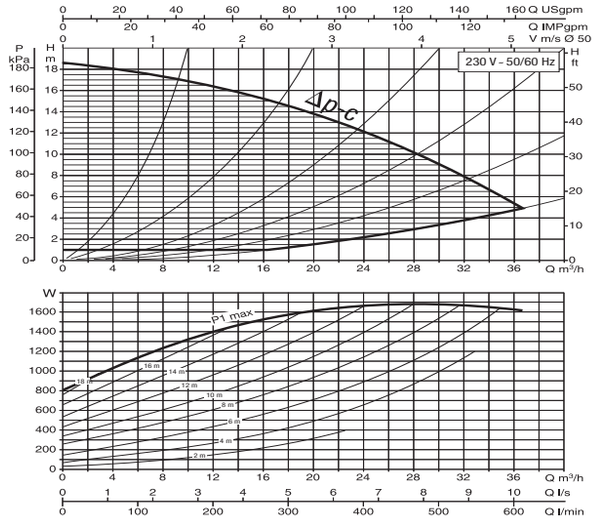
Δp-v (variable)

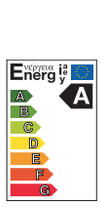


BPH-E
ELECTRONIC CIRCULATORS

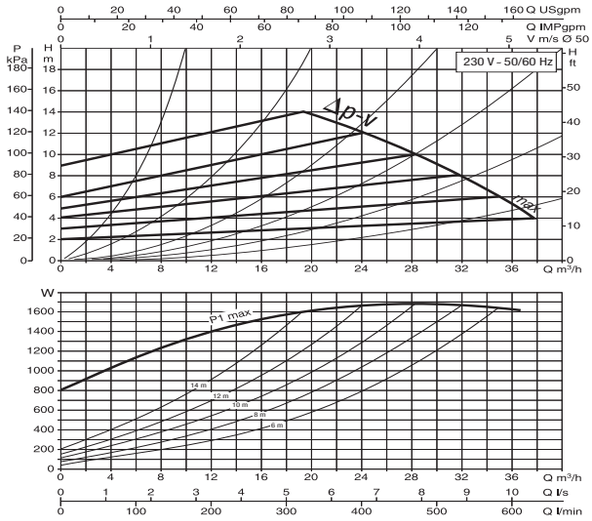
BPH-E 180/280.50 M

Δp-c (constant)



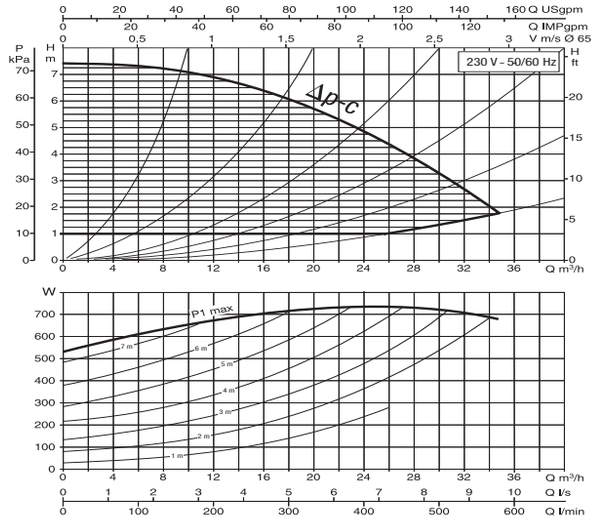


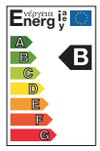
Δp-v (variable)



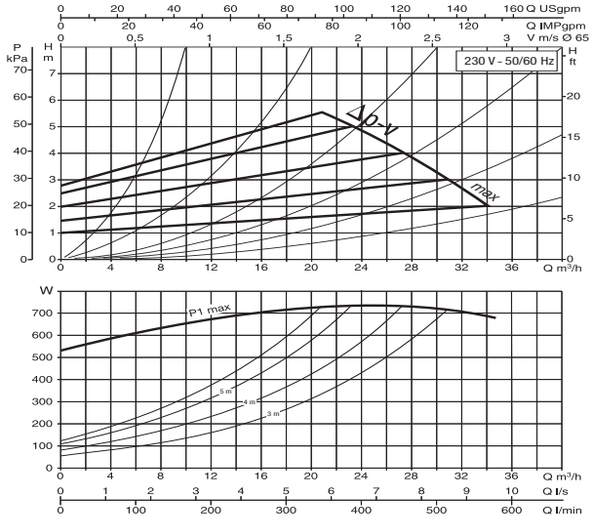
BPH-E 60/340.65 M

Δp-c (constant)



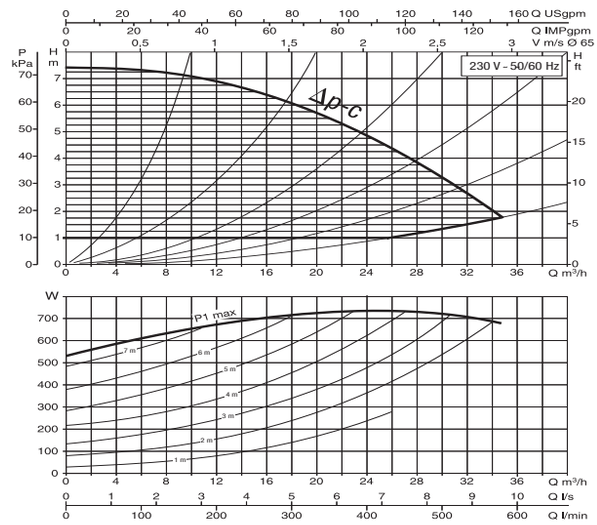


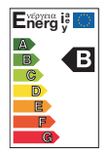
Δp-v (variable)



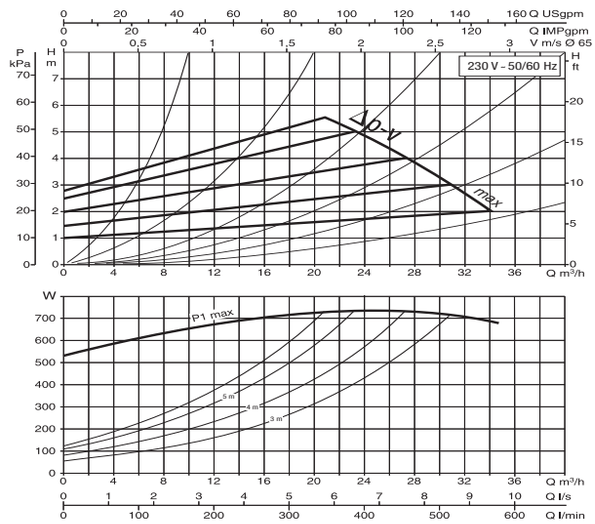
BPH-E 60/340.65 M

Δp-c (constant)





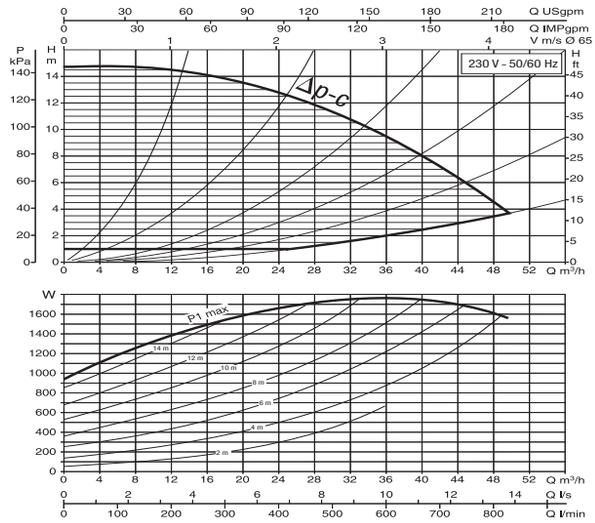
Δp-v (variable)



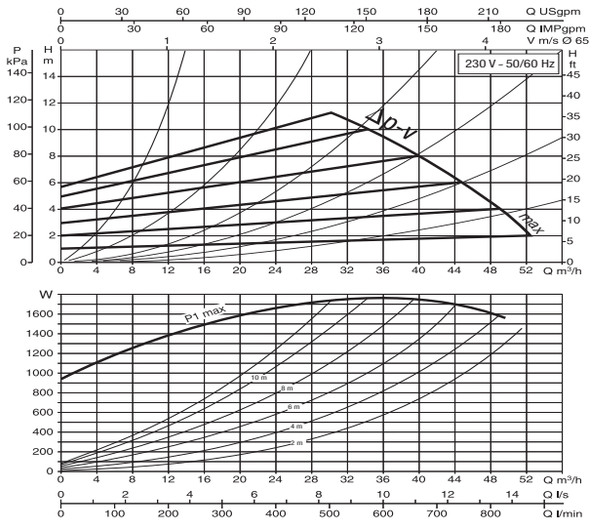
BPH-E
ELECTRONIC CIRCULATORS

BPH-E 150/340.65 M

Δp-c (constant)

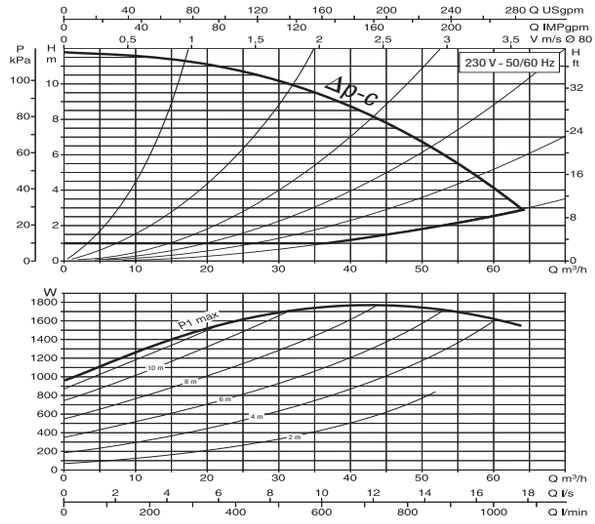


Δp-v (variable)

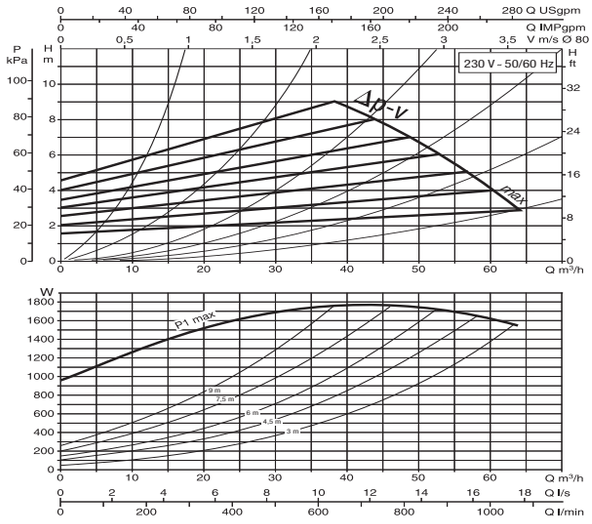


BPH-E 120/360.80 M

Δp-c (constant)

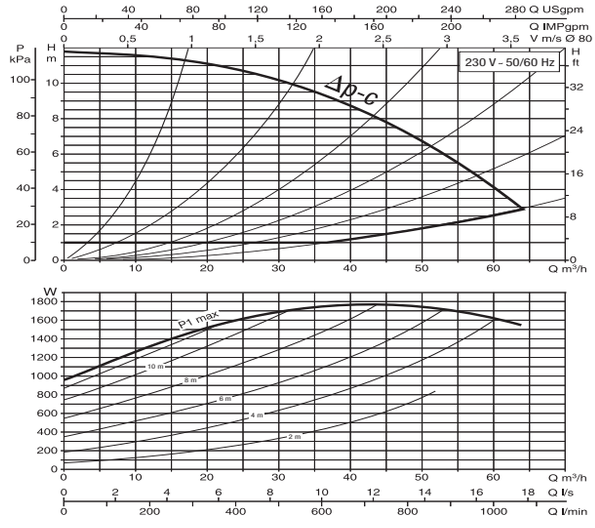


Δp-v (variable)

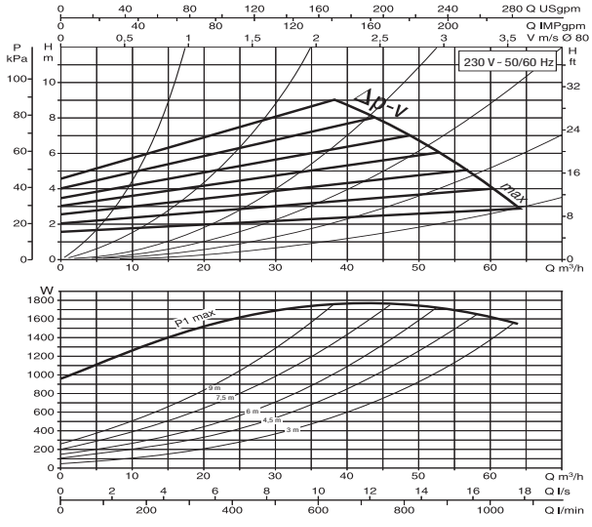


BPH-E 120/450.100 M

Δp-c (constant)

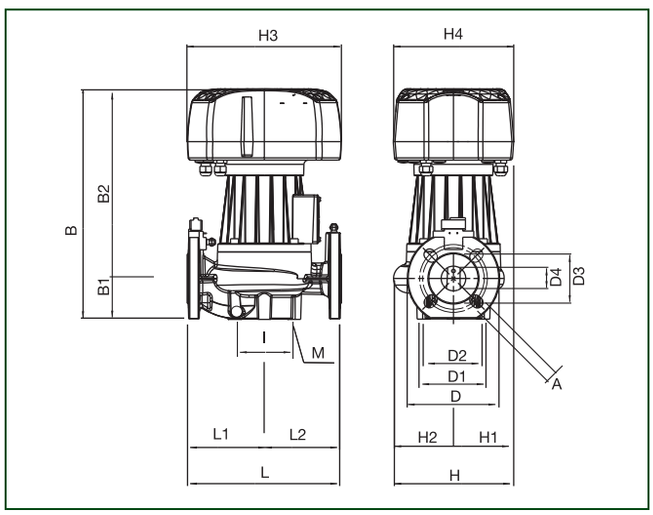


Δp-v (variable)

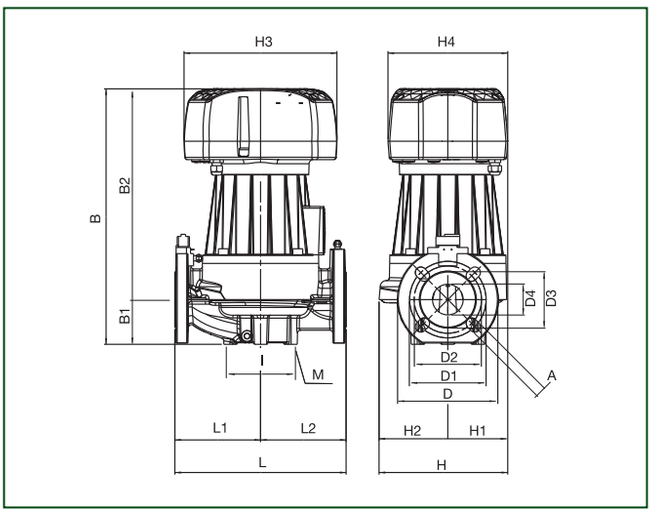


DIMENSIONS AND WEIGHTS

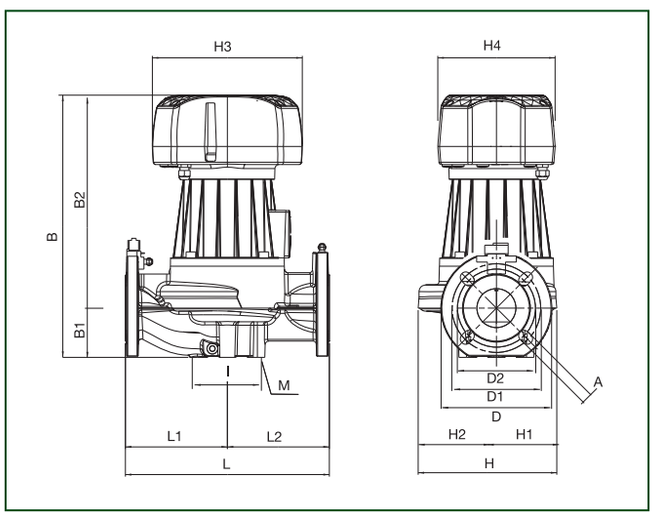
BPH-E 60/250.40 M - BPH-E 120/250.40 M



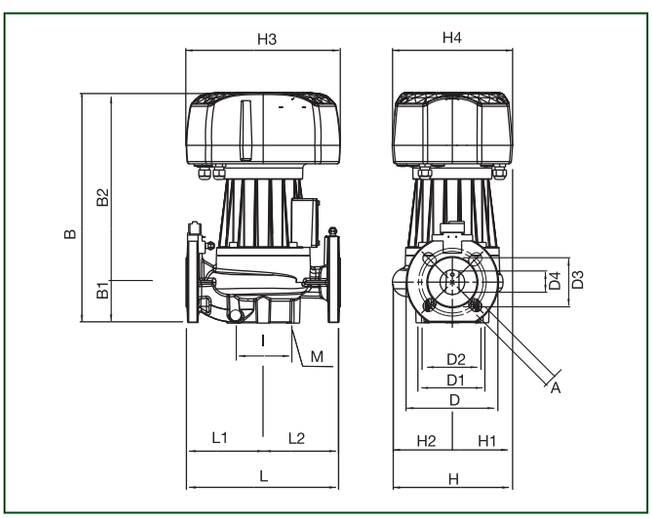
BPH-E 60/280.50 M - BPH-E 120/280.50 M - BPH-E 180/280.50 M



BPH-E 60/340.65 M - BPH-E 120/340.65 M - BPH-E 150/340.65 M



BPH-E 120/360.80 M



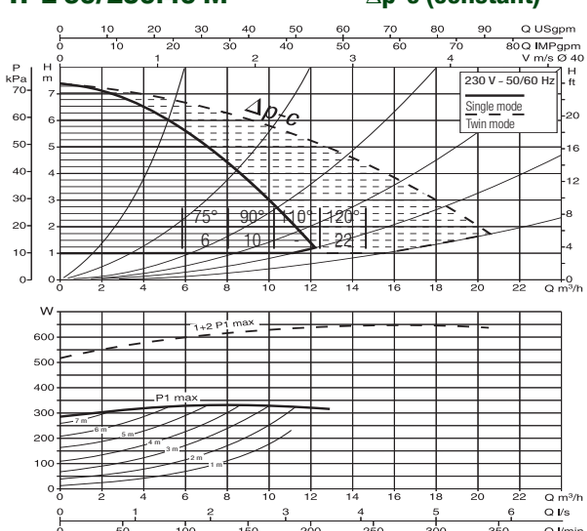
MODEL	l	l1	l2	a	b	b1	b2	d	d1	d2	d3	d4	i	m	h	h1	h2	h3	h4	WEIGHT KG
BPH-E 60/250-40	250	125	125	18	374	66	308	150	110	100	80	40	100	M10	195	83	112	250	196	17,7
BPH-E 120/250-40	250	125	125	18	374	66	308	150	100	100	80	40	100	M10	195	83	112	250	196	21,7
BPH-E 60/280-50	280	140	140	18	417	73	344	165	125	110	90	50	100	M10	210	96	114	250	196	24,2
BPH-E 120/280-50	280	140	140	18	417	73	344	165	125	110	90	50	100	M10	210	96	114	250	196	30,3
BPH-E 180/280-50	280	140	140	18	467	73	394	165	125	110	90	50	100	m10	210	96	114	250	196	30,3
BPH-E 60/340-65	340	170	170	18	437	82	355	185	145	130	110	65	100	m12	231	100	131	225	196	34,8
BPH-E 120/340-65	340	170	170	18	437	82	405	185	145	130	110	65	100	m12	231	100	131	225	196	36,9
BPH-E 150/340-65	340	170	170	18	437	82	405	185	145	130	110	65	100	m12	231	100	131	225	196	36,9
BPH-E 120/360-80	360	190	170	18	506	97	409	200	160	150	130	80	115	m12	232	100	132	250	196	44,4

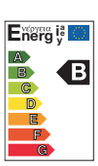
TECHNICAL DATA - TWIN FLANGED

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA				MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	P1 MAX W	In A	COUNTERFLANGES ON REQUEST	
DPH-E 60/250.40 M	505914040	250	1x230 V	344	2	DN 40 - PN 10	t° 75° 90° 110° 120° m.t. 1,6 4 - 19
DPH-E 120/250.40 M	505917040	250	1x230 V	528	3	DN 40 - PN 10	t° 75° 90° 110° 120° m.t. 6 9 - 23
DPH-E 60/280.50 M	505934040	280	1x230 V	606	3,37	DN 50 - PN 10	t° 75° 90° 110° 120° m.t. 4 7,5 - 21
DPH-E 120/280.50 M	505937040	280	1x230 V	893	4,84	DN 50 - PN 10	t° 75° 90° 110° 120° m.t. 2 5 - 20
DPH-E 180/280.50 M	505939040	280	1x230 V	1693	9,2	DN 50 - PN 10	t° 75° 90° 110° 120° m.t. 2 5 - 20
DPH-E 60/340.65 M	505954040	340	1x230 V	744	4,1	DN 65 - PN 10	t° 75° 90° 110° 120° m.t. 1 4 - 18
DPH-E 120/340.65 M	505957040	340	1x230 V	1262	6,72	DN 65 - PN 10	t° 75° 90° 110° 120° m.t. 7 11 18 -
DPH-E 150/340.65 M	505958040	340	1x230 V	1767	9,2	DN 65 - PN 10	t° 75° 90° 110° 120° m.t. 7 11 18 -
DPH-E 120/360.80 M	505977040	360	1x230 V	1789	9,23	DN 80 - PN 10	t° 75° 90° 110° 120° m.t. 6 10 - 22

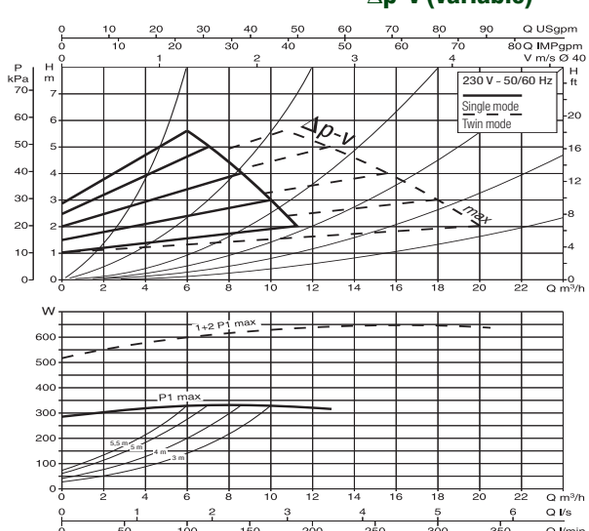
DPH-E 60/250.40 M

Δp-c (constant)





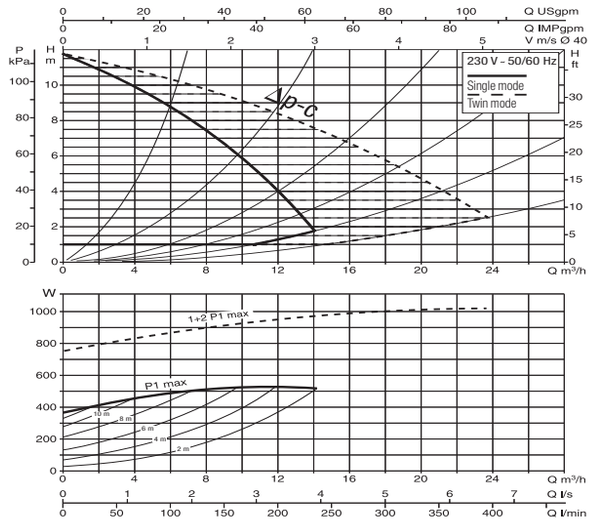
Δp-v (variable)

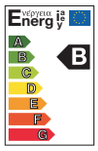


DPH-E
ELECTRONIC CIRCULATORS

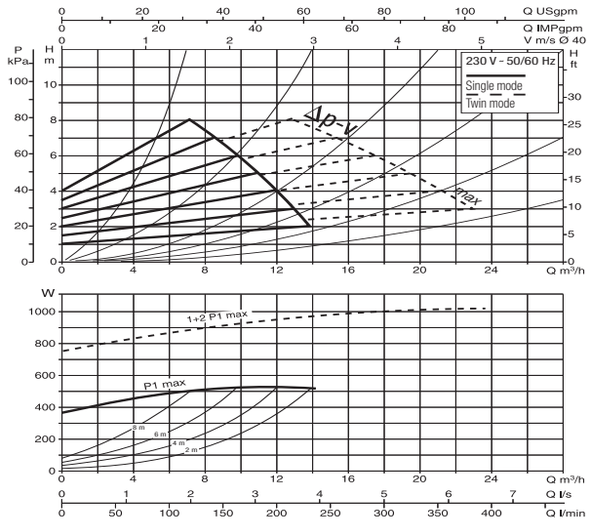
DPH-E 120/250.40 M

Δp-c (constant)



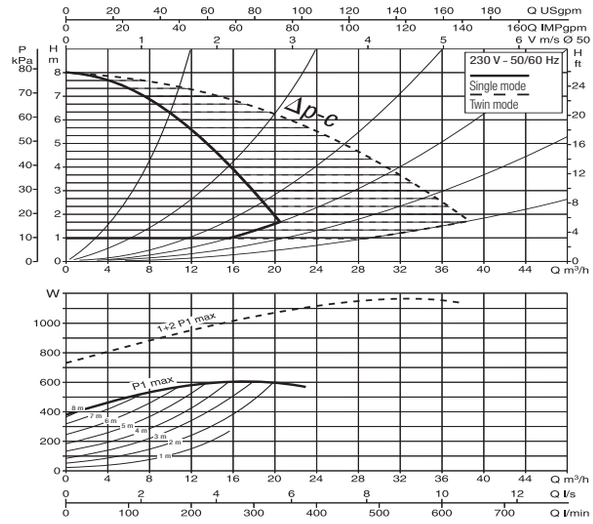


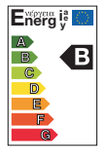
Δp-v (variable)



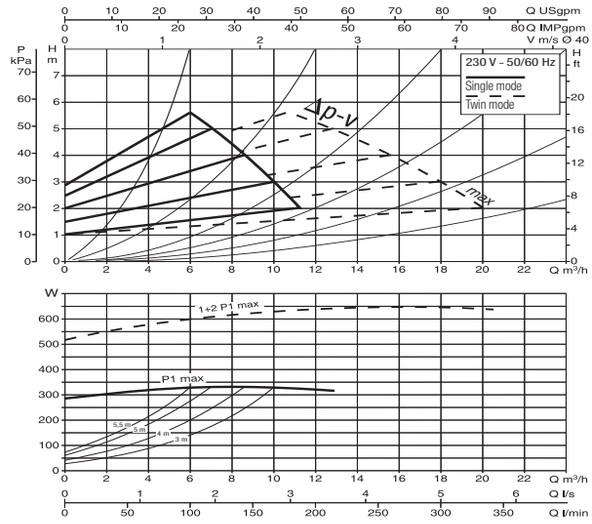
DPH-E 60/280.50 M

Δp-c (constant)



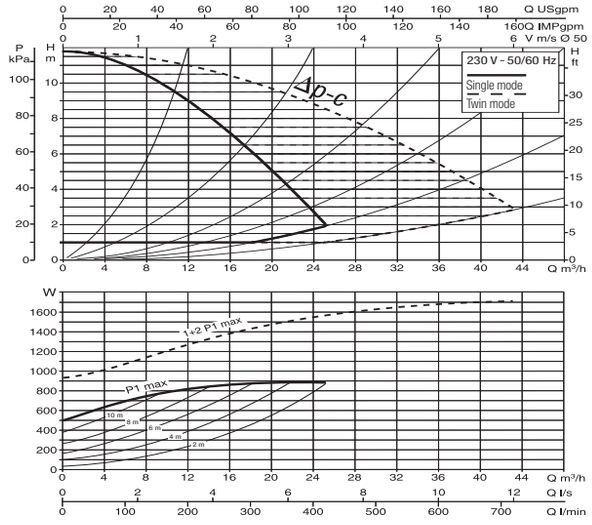


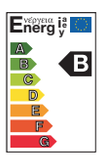
Δp-v (variable)



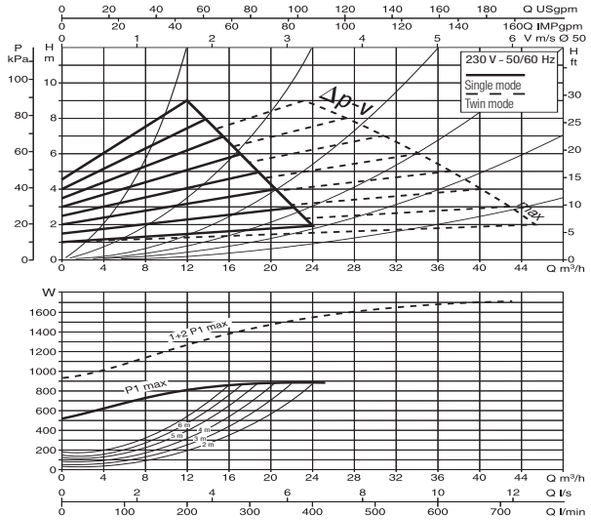
DPH-E 120/280.50 M

Δp-c (constant)





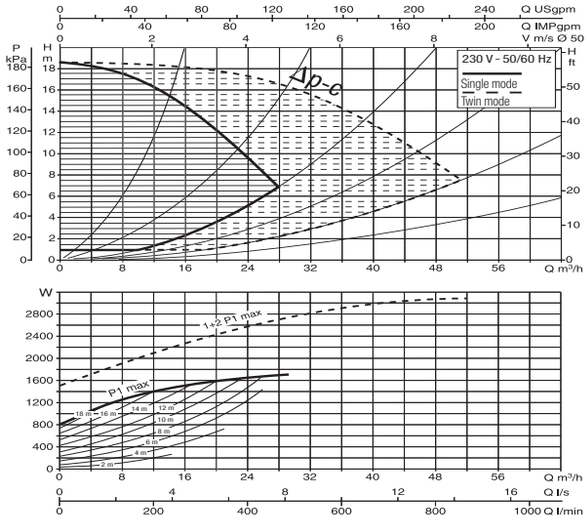
Δp-v (variable)

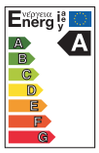


DPH-E
ELECTRONIC CIRCULATORS

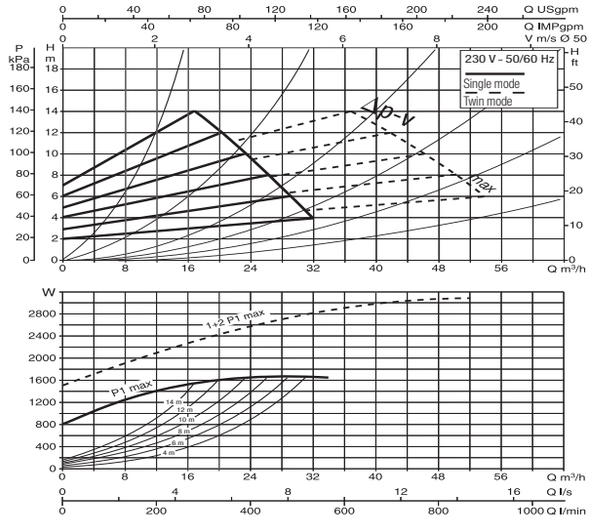
DPH-E 180/280.50 M

Δp-c (constant)



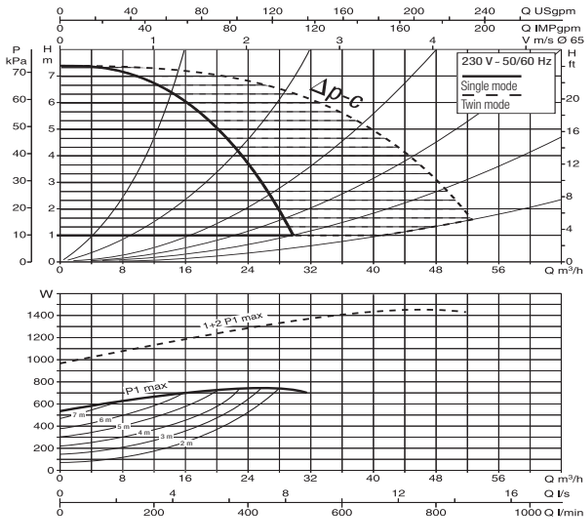


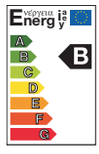
Δp-v (variable)



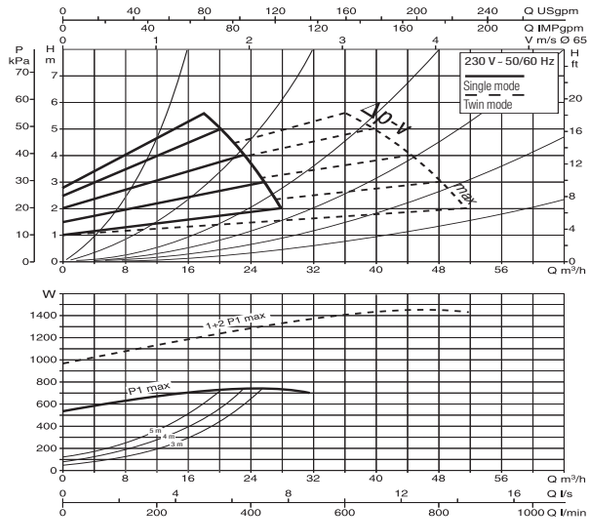
DPH-E 60/340.65 M

Δp-c (constant)



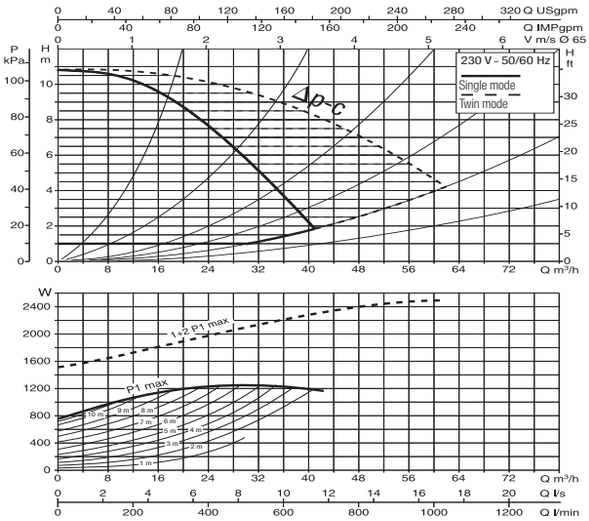


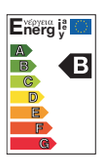
Δp-v (variable)



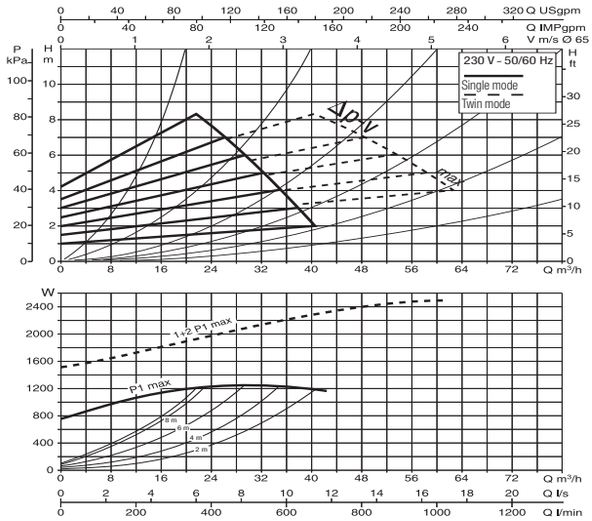
DPH-E 120/340.65 M

Δp-c (constant)





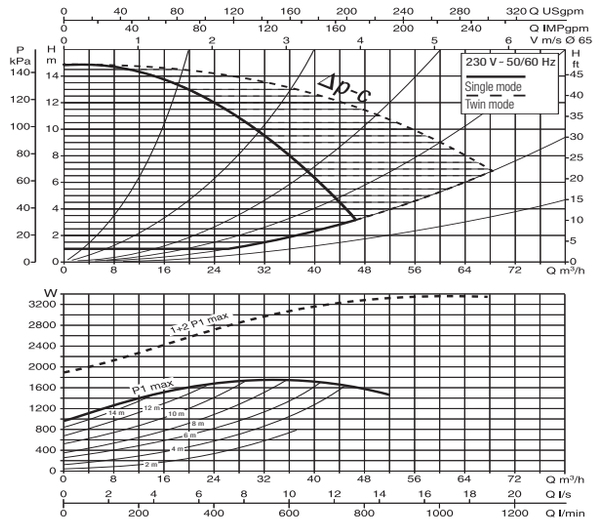
Δp-v (variable)

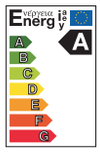


DPH-E
ELECTRONIC CIRCULATORS

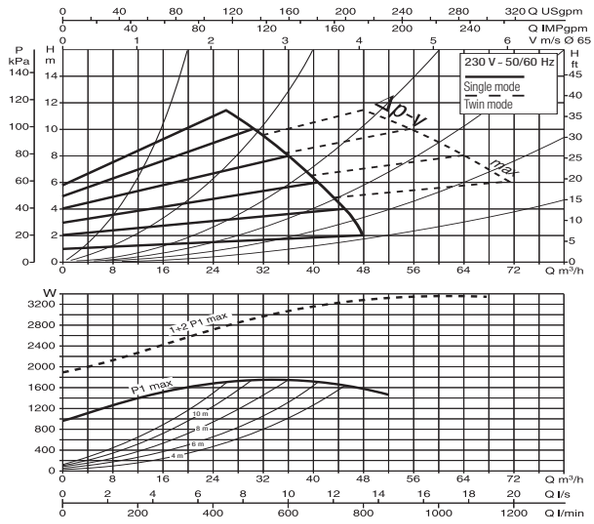
DPH-E 150/340.65 M

Δp-c (constant)



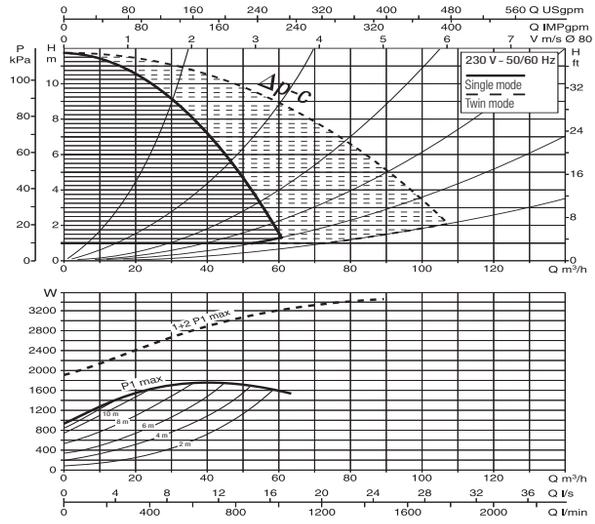


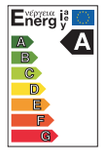
Δp-v (variable)



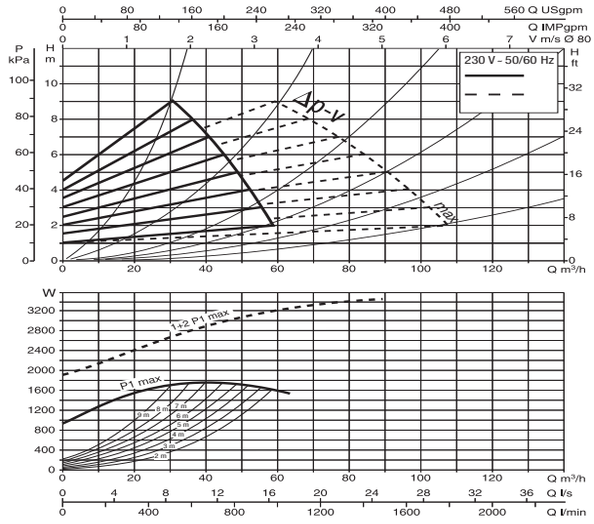
DPH-E 120/360.80 M

Δp-c (constant)



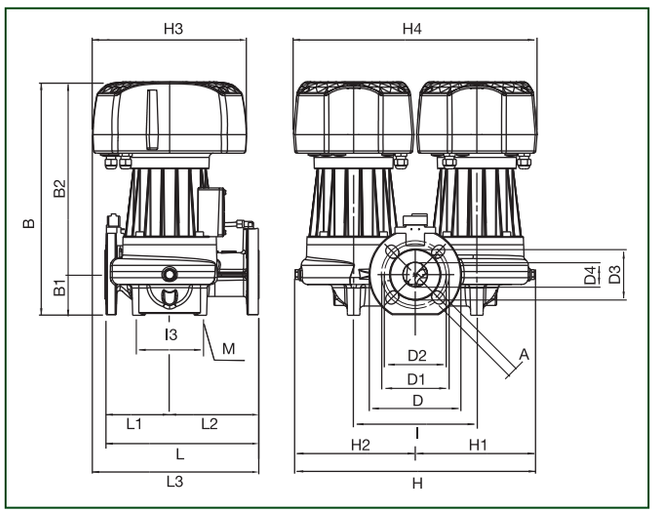


Δp-v (variable)

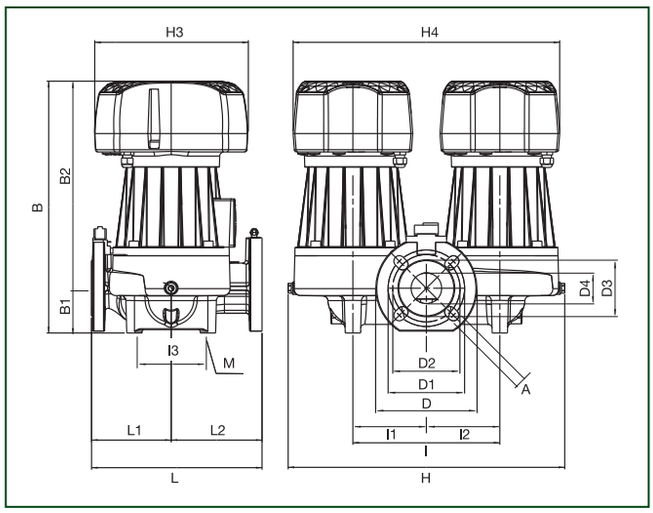


DIMENSIONS AND WEIGHT

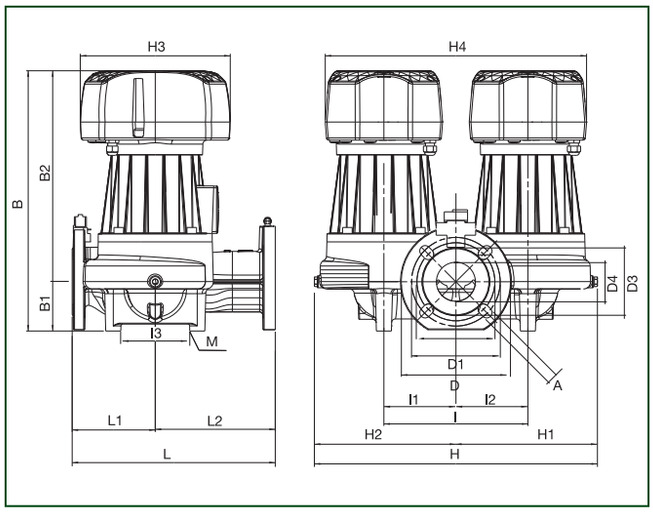
DPH-E 60/250.40 M - DPH-E 120/250.40 M



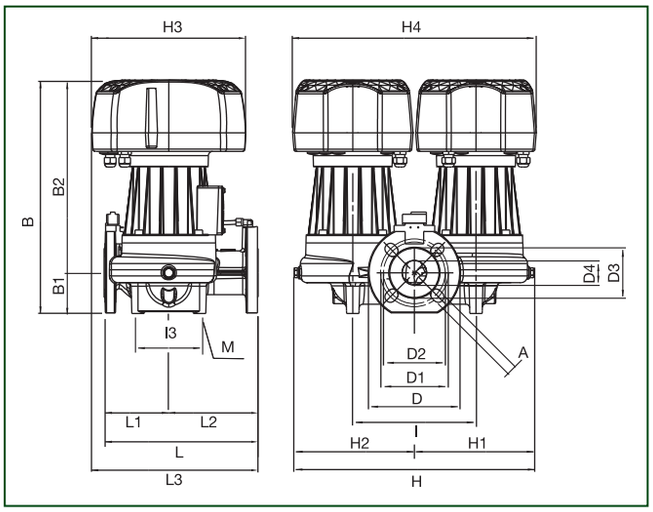
DPH-E 60/280.50 M - DPH-E 120/280.50 M - DPH-E 180/280.50 M



DPH-E 60/340.65 M - DPH-E 120/340.65 M - DPH-E 150/340.65 M



DPH-E 120/360.80 M



MODEL	l	l1	l2	l3	a	b	b1	b2	d	d1	d2	d3	d4	i	i1	i2	i3	m	h	h1	h2	h3	h4	WEIGHT KG
DPH-E 60/250-40	250	105	145	270	18	378	66	312	150	110	100	80	40	200	100	100	100	M12	389	194,5	195	250	396	42,7
DPH-E 120/250-40	250	105	145	270	18	378	66	312	150	110	100	80	40	200	100	100	100	M12	389	194,5	165	250	396	42,9
DPH-E 60/280-50	280	130	150	–	18	411	73	338	165	125	110	90	50	240	120	120	120	m14	452	226	226	250	436	67,2
DPH-E 120/280-50	280	130	150	–	18	411	73	338	165	125	110	90	50	240	120	120	120	m14	452	226	226	250	436	67,2
DPH-E 180/280-50	280	130	150	–	18	461	73	388	165	125	110	90	50	240	120	120	120	m14	452	226	226	250	436	73,2
DPH-E 60/340-65	340	138,5	201,5	–	18	433	82	351	185	145	130	110	65	240	120	120	240	m14	472	236	236	250	436	72,9
DPH-E 120/340-65	340	138,5	201,5	–	18	483	82	220	185	145	130	110	65	240	120	120	240	m14	472	236	236	250	436	77,9
DPH-E 150/340-65	340	138,5	201,5	–	18	483	82	220	185	145	130	110	65	240	120	120	240	m14	472	236	236	250	436	77,9
DPH-E 120/360-80	360	160	200	–	18	497	97	400	200	160	150	130	80	240	120	120	150	m14	478	239	239	250	436	89,9

WET ROTOR CIRCULATORS
PERFORMANCE RANGE

VA - VB - VD - *HEATING AND AIR CONDITIONING SYSTEMS*

SINGLE	TWIN	P1 Max W	Q m3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70
VA 25	**-**	57		2,71	2,45	2,15	1,75	1,2	0,6	
VA 35	**-**	71		4,3	3,9	3,4	2,8	2,15	1,4	
VA 55	**VD 55/220.32**	82	H (m)	5,4	4,7	4,5	3,3	2,6	1,75	0,85
VA 65	**-**	102		6,3	5,8	5,3	4,3	3,4	2,4	
VB 35/120	**-**	71		4,3	3,9	3,4	2,8	2,15	1,4	
VB 55/120	**-**	82		5,4	4,7	4	3,3	2,5	1,75	0,85
VB 65/120	**VD 65/220.32**	102		6,3	5,8	5,3	4,3	3,4	2,4	

A - B- D - *HEATING AND AIR CONDITIONING SYSTEMS*

SINGLE Single-phase - Three-phase	TWIN Single-phase - Three-phase	P1 Max W	Q m^3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70	7,2 120	12 200
A 50/180 M - XM B 50/250.40 M	**D 50/250.40 M**	184		5,7	5,6	5,4	5,3	5,1	4,8	4,2	2,6	
A 56/180 M - XM B 56/250.40 M	**D 56/250.40 M**	271		6,35	6,3	6,2	6,18	6	5,9	5,5	4,2	1,2
A 80/180 M - XM B 80/250.40 M	**D 80/250.40 M**	256		8,25	8	7,6	7,4	7,2	6,9	6,3	3,8	
A 110/180 XM B 110/250.40 M	**D 110/250.40 M**	410		11,3	11	10,8	10,5	10	9,8	9,2	7	1,7
A 50/180 XT B 50/250.40 T	**D 50/250.40 T**	201		5,9	5,85	5,8	5,6	5,5	5,2	4,6	2,9	
A 50/180 T	**-**	197	H (m)	5,6	5,6	5,6	5,5	5,43	5,4	4,9	28	
A 56/180 XT B 56/250.40 T	**D 56/250.40 T**	291		6,4	6,3	6,2	6,1	6	5,9	5,7	4,4	
A 50/180 T	**-**	297		6,42	6,42	6,41	6,4	6,4	6,4	6,1	4,8	
A 80/180 XT B 80/250.40 T	**D 80/250.40 T**	272		8,2	7,9	7,6	7,3	7	6,8	6,1	3,7	
A 80/180 T	**-**	271		8,2	7,9	7,6	7,3	7	6,8	6,1	3,7	
A 110/180 XT B 110/250.40 T	**D 110/250.40 T**	403		11,3	11	10,8	10,5	10	9,8	9,2	7	1,6

** Hydraulic values are assumed at maximum speed and are referred to individual models*

Operating frequency: 50 Hz

VA - VB - VD
WET ROTOR CIRCULATORS



VA

CE

HEATING AND AIR CONDITIONING SYSTEMS

Single body consisting of a cast iron hydraulic unit.
Die-cast aluminium motor casing.
Technopolymer impeller. Tempered stainless steel driving shaft mounted on graphite brushings lubricated by the pumped liquid itself.
Stainless steel protective rotor sleeve, stator sleeve and closing flange.
Ceramic thrust bearing, E.P.D.M. O-rings and brass air outlet cap.
The two-pole asynchronous motor with wet rotor is self-protected for resistance.
No overload protection required. Three-speed operation.
In the twin version an automatic clapet type valve is provided.

Operating range: from 0.5 to 3,6 m³/h with head up to 6 metres.
Liquid temperature range: from -10°C to +110°C.
Pumped liquid characteristics: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max 30% glycol).
Maximum working pressure: 10 bar (1000 kPa).
Protection level: corresponding to IP 44
Insulation class: F
Cable grommet: PG 11
Installation: with motor axis horizontal.

* see Performance curves

TECHNICAL DATA - VA *SINGLE WITH UNIONS*

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	SPEED	N r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
VA 25/130	**60112896**	130	1 x 230 V ~	3 2 1	2655 2380 1680	43 38 31	0,19 0,17 0,15	1,5	450	t° +90°C m.c.a. 1,5
VA 25/180	**60112900**	180	1 x 230 V ~	3 2 1	2655 2380 1680	43 38 31	0,19 0,17 0,15	1,5	450	t° +90°C m.c.a. 1,5
VA 25/180X	**60112902**	180	1 x 230 V ~	3 2 1	2655 2380 1680	43 38 31	0,19 0,17 0,15	1,5	450	t° +90°C m.c.a. 1,5
VA 35/130	**60112903**	130	1 x 230 V ~	3 2 1	2455 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	t° +90°C m.c.a. 1,5
VA 35/130-1/2"	**60112904**	130	1 x 230 V ~	3 2 1	2455 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	t° +90°C m.c.a. 1,5
VA 35/180	**60112915**	180	1 x 230 V ~	3 2 1	2455 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	t° +90°C m.c.a. 1,5
VA 35/180 X	**60112931**	180	1 x 230 V ~	3 2 1	2455 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	t° +90°C m.c.a. 1,5
VA 55/130	**60112936**	130	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	t° +90°C m.c.a. 1,5
VA 55/130-1/2"	**60112938**	130	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	t° +90°C m.c.a. 1,5
VA 55/180	**60112948**	180	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	t° +90°C m.c.a. 1,5
VA 55/180 X	**60112957**	180	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	t° +90°C m.c.a.1,5
VA 65/130	**60112962**	130	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	t° +90°C m.c.a. 2,5
VA 65/130-1/2"	**60112966**	130	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	t° +90°C m.c.a. 2,5

VA - VB - VD
WET ROTOR CIRCULATORS

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	SPEED	N r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
VA 65/180	**60112985**	180	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	t° +90°C m.c.a. 2,5
VA 65/180 X	**60112988**	180	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	t° +90°C m.c.a. 2,5



VB

TECHNICAL DATA - VB *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	SPEED	N r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
VB 35/120	**60112933**	120	1 x 230 V ~	3 2 1	2465 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	t° +90°C m.c.a. 1,5
VB 55/120	**60112959**	120	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	t° +90°C m.c.a. 1,5
VB 65/120	**60112989**	120	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	t° +90°C m.c.a. 2,5



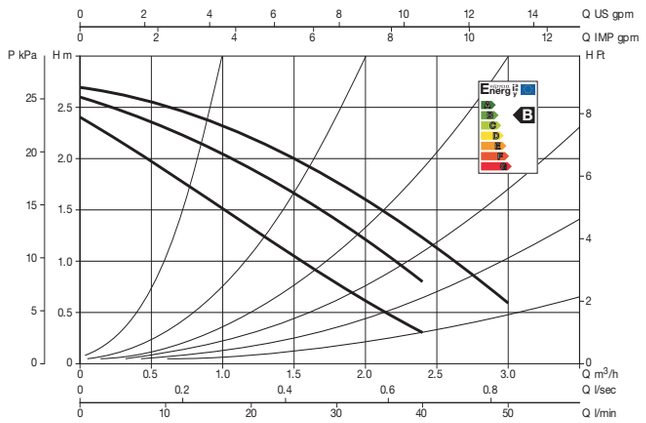
VD

TECHNICAL DATA - VD *TWIN WITH FLANGES*

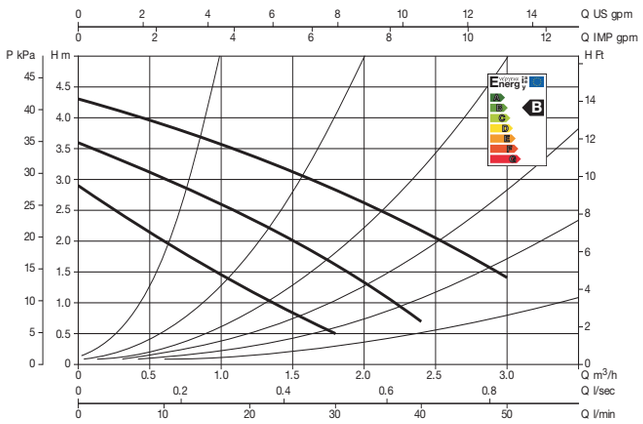
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			VOLTAGE 50 Hz	SPEED	N r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
VD 55/220.32	**60112961**	220	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	t° +90°C m.c.a. 1,5
VD 65/220.32	**60112991**	220	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	t° +90°C m.c.a. 2,5

VA - VB - VD
WET ROTOR CIRCULATORS

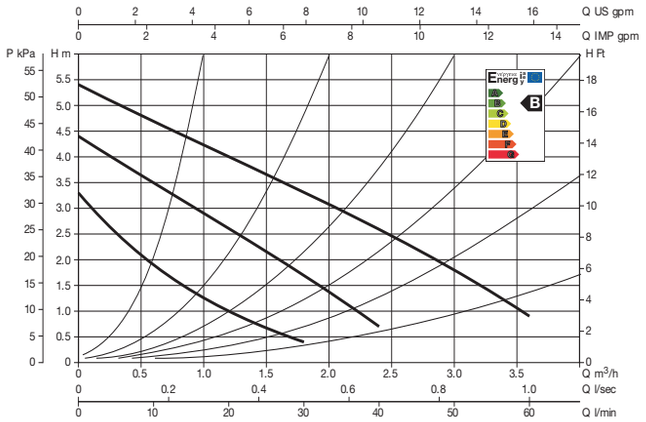
VA 25



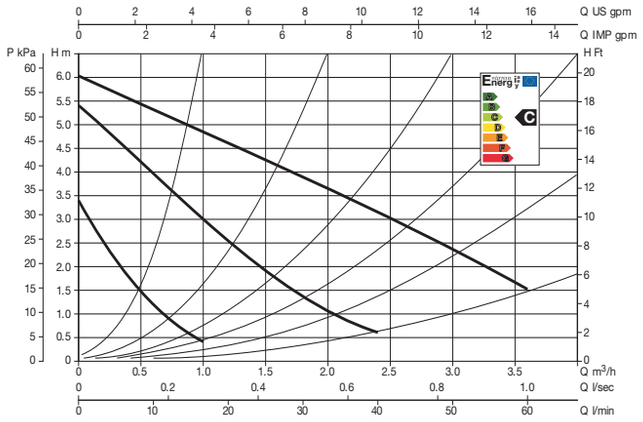
VA - VB 35



VA - VB - VD 55*



VA - VB - VD 65*

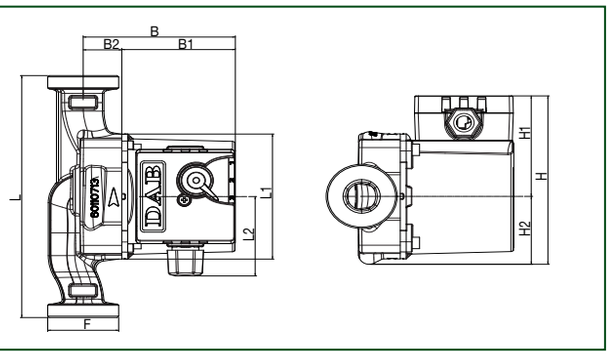


* Electrical data are related to only one motor in operation

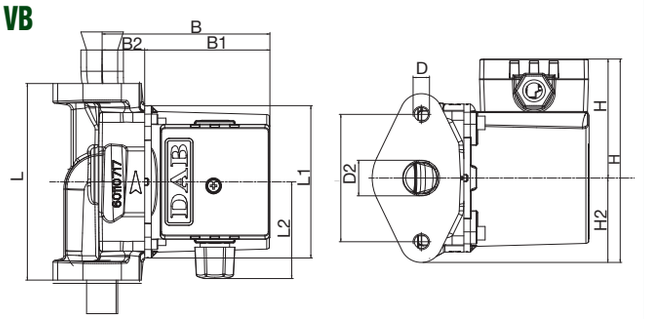
VA - VB - VD
WET ROTOR CIRCULATORS

DIMENSIONS AND WEIGHT

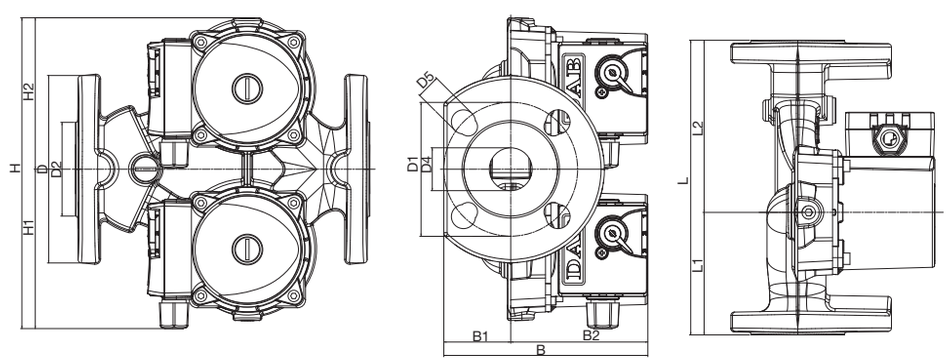
VA



VB



VD



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
											L	B	H		
VA 25/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2.7	240
VA 25/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2.8	180
VA 25/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2.9	180
VA 35/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2.7	240
VA 35/130 1/2"	130	93	59	102,5	76,5	26	125,5	75	50,5	1"	135	135	150	2.6	240
VA 35/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2.8	180
VA 35/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2.9	180
VA 55/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2.7	240
VA 55/130 1/2"	130	93	59	102,5	76,5	26	125,5	75	50,5	1"	135	135	150	2.6	240
VA 55/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2.8	180
VA 55/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2.9	180
VA 65/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2.7	240
VA 65/130 1/2"	130	93	59	102,5	76,5	26	125,5	75	50,5	1"	135	135	150	2.6	240
VA 65/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2.7	180
VA 65/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2.9	180

MODEL	L	L1	L2	B	B1	B2	H	H1	H2	D2	D1	I	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
													L	B	H		
VB 35/120	120	98	60	104	78	26	124	75	49	25	M10	78	135	135	150	3.1	240
VB 55/120	120	98	60	104	78	26	124	75	49	25	M10	80	135	135	150	3.1	240
VB 65/120	120	98	60	104	78	26	124	75	49	26	M10	80	135	135	150	3.1	240

MODEL	L	L1	L2	B	B1	B2	D	D1		D2	D4	D5		H	H1	H2	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
								PN6	PN10			PN6	PN10				L	B	H		
VD 55/220.32	220	91,5	128,5	150	50	100	140	90	100	70	32	14	18	230	115	115	160	253	238	8.5	84
VD 65/220.32	220	91,5	128,5	150	50	100	140	90	100	70	32	14	18	230	115	115	160	253	238	8.5	84

A - B - D
WET ROTOR CIRCULATORS



A

CE

HEATING AND AIR CONDITIONING SYSTEMS

Pump body in cast iron and motor casing in die-cast aluminium.
Technopolymer impeller and tempered stainless steel driving shaft mounted on graphite brushings lubricated by the pumped liquid itself.
Flanged vents, (threaded series A), provided with threaded connectors for controlling gauges. Stainless steel protective rotor sleeve, stator sleeve and closing flange. Ceramic thrust bearing, E.P.D.M. "O" rings and brass air outlet cap.
The two-pole asynchronous motor with wet rotors designed **for three-speed** operation, single-phase version, **for two-speed** operation, for three-phase version. Thermal overload protection incorporated in the single phase version.
In the twin version an automatic clapet type valve and blank flange are provided.

Operating range: from 1 to 12 m^3/h with head up to 11 metres.
Liquid temperature range: from -10°C to +110°C.
Pumped liquid characteristics: clean, free from solids and mineral oils, not viscous, chemically neutral, close to the characteristics of water (max 30% glycol).
Maximum working pressure: 10 bar (1000 kPa).
Protection level: IP 44.
Insulation class: F.
Cable grommet: PG 11.
Installation: with motor axis horizontal.

TECHNICAL DATA - A *SINGLE WITH UNIONS*

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
A 50/180 M	**505803001**	180	11/2"G	1 x 230 V ~	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	4	400	t° +90°C m.c.a. 1,5
A 50/180 XM	**505802041**	180	2"G	1 x 230 V ~	3 2 1	2791 2651 2297	184 189 168	0,92 0,92 0,80	4	400	t° +90°C m.c.a. 1,5
A 50/180 T	**505803601**	180	11/2"G	3x400 V ~	2 1	2827 2502	197 139	0,52 0,25	-	-	t° +90°C m.c.a. 1,5
A 50/180 XT	**505802671**	180	2"G	3x400 V ~	2 1	2838 2520	201 129	0,50 0,23	-	-	t° +90°C m.c.a. 1,5
A 56/180 M	**505805001**	180	11/2"G	1 x 230 V ~	3 2 1	2636 2226 1485	282 287 228	1,23 1,30 1,06	7	400	t° +90°C m.c.a. 1,5
A 56/180 XM	**505804041**	180	2"G	1 x 230 V ~	3 2 1	2658 2117 1394	271 294 224	1,18 1,32 1,00	7	400	t° +90°C m.c.a. 1,5
A 56/180 T	**505805601**	180	11/2"G	3x400 V ~	2 1	2704 2178	297 200	0,60 0,33	-	-	t° +90°C m.c.a. 1,5
A 56/180 XT	**505804671**	180	2"G	3x400 V ~	2 1	2708 2178	291 200	0,60 0,32	-	-	t° +90°C m.c.a. 1,5
A 80/180 M	**505807001**	180	11/2"G	1 x 230 V ~	3 2 1	2674 2356 1615	264 262 223	1,15 1,20 1,00	7	400	t° +90°C m.c.a. 2,5
A 80/180 XM	**505806041**	180	2"G	1 x 230 V ~	3 2 1	2683 2374 1688	256 260 218	1,12 1,17 1,00	7	400	t° +90°C m.c.a. 2,5
A 80/180 T	**505807601**	180	11/2"G	3x400 V ~	2 1	2724 2226	271 187	0,57 0,31	-	-	t° +90°C m.c.a. 2,5
A 80/180 XT	**505806671**	180	2"G	3x400 V ~	2 1	2727 2227	272 186	0,57 0,30	-	-	t° +90°C m.c.a. 2,5
A 110/180 M	**505808001**	180	11/2"G	1 x 230 V ~	3 2 1	2746 2552 2052	410 393 361	1,77 1,78 1,64	12	450	t° +90°C m.c.a. 2,5

A - B - D
WET ROTOR CIRCULATORS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
A 110/180 XM	**505809001**	180	2"G	1 x 230 V ~	3 2 1	2746 2552 2052	410 393 361	1,77 1,78 1,64	12	450	t° +90°C m.c.a. 2,5
A 110/180 T	**505808601**	180	11/2"G	3x400 V ~	2 1	2759 2341	403 289	0,88 0,48	-	-	t° +90°C m.c.a. 2,5
A 110/180 XT	**505809601**	180	2"G	3x400 V ~	2 1	2759 2341	403 289	0,90 0,48	-	-	t° +90°C m.c.a. 2,5

TECHNICAL DATA - B *SINGLE WITH OVAL FLANGES*



B

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
B 50/250.40 M	**505812041**	250	DN 40	1 x 230 V ~	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	2,5	400	t° +90°C m.c.a. 1,5
B 50/250.40 T	**505812671**	250	DN 40	3x400 V ~	2 1	2827 2502	197 139	0,52 0,25	-	-	t° +90°C m.c.a. 1,5
B 56/250.40 M	**505814041**	250	DN 40	1 x 230 V ~	3 2 1	2636 2226 1485	282 287 228	1,23 1,30 1,06	7	400	t° +90°C m.c.a. 1,5
B 56/250.40 T	**505814671**	250	DN 40	3x400 V ~	2 1	2704 2178	297 200	0,60 0,33	-	-	t° +90°C m.c.a. 1,5
B 80/250.40 M	**505816041**	250	DN 40	1 x 230 V ~	3 2 1	2674 2356 1615	264 262 223	1,15 1,20 1,00	7	400	t° +90°C m.c.a. 2,5
B 80/250.40 T	**505816671**	250	DN 40	3x400 V ~	2 1	2724 2226	271 187	0,57 0,31	-	-	t° +90°C m.c.a. 2,5
B 110/250.40 M	**505818001**	250	DN 40	1 x 230 V ~	3 2 1	2746 2552 2052	410 393 361	1,77 1,78 1,64	12	450	t° +90°C m.c.a. 2,5
B 110/250.40 T	**505818601**	250	DN 40	3x400 V ~	2 1	2759 2341	403 289	0,90 0,48	-	-	t° +90°C m.c.a. 2,5

TECHNICAL DATA - D *TWIN WITH FLANGES*

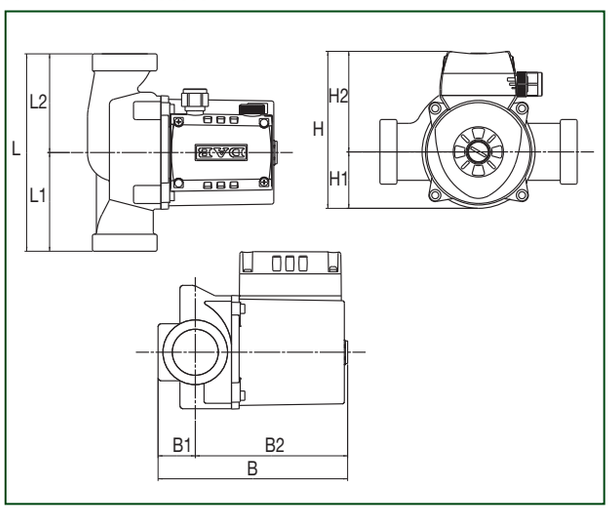


D

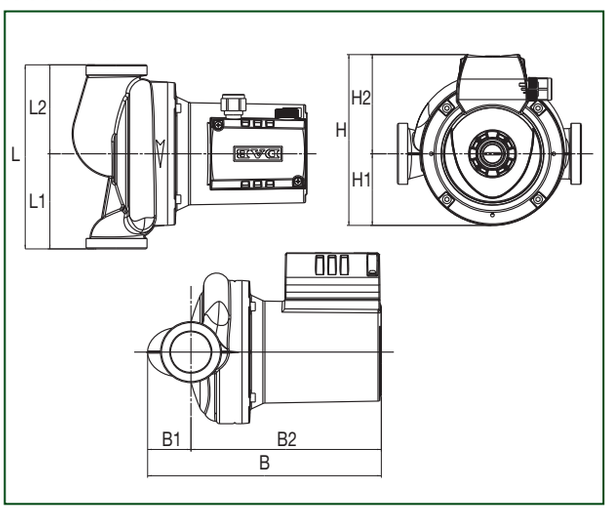
MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	
D 50/250.40 M	**505822041**	250	DN 40 - PN 10	1 x 230 V ~	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	2,5	400	t° +90°C m.c.a. 1,5
D 50/250.40 T	**505822671**	250	DN 40 - PN 10	3x400 V ~	2 1	2827 2502	197 139	0,52 0,25	-	-	t° +90°C m.c.a. 1,5
D 56/250.40 M	**505824041**	250	DN 40 - PN 10	1 x 230 V ~	3 2 1	2636 2226 1485	282 287 228	1,23 1,30 1,06	7	400	t° +90°C m.c.a. 1,5
D 56/250.40 T	**505824671**	250	DN 40 - PN 10	3x400 V ~	2 1	2704 2178	297 200	0,60 0,33	-	-	t° +90°C m.c.a. 1,5
D 80/250.40 M	**505826041**	250	DN 40 - PN 10	1 x 230 V ~	3 2 1	2674 2356 1615	264 262 223	1,15 1,20 1,00	7	400	t° +90°C m.c.a. 2,5
D 80/250.40 T	**505826671**	250	DN 40 - PN 10	3x400 V ~	2 1	2724 2226	271 187	0,57 0,31	-	-	t° +90°C m.c.a. 2,5
D 110/250.40 M	**505828001**	250	DN 40 - PN 10	1 x 230 V ~	3 2 1	2746 2552 2052	410 393 361	1,77 1,78 1,64	12	450	t° +90°C m.c.a. 2,5
D 110/250.40 T	**505828601**	250	DN 40 - PN 10	3x400 V ~	2 1	2759 2341	403 289	0,90 0,48	-	-	t° +90°C m.c.a. 2,5

DIMENSIONS AND WEIGHT

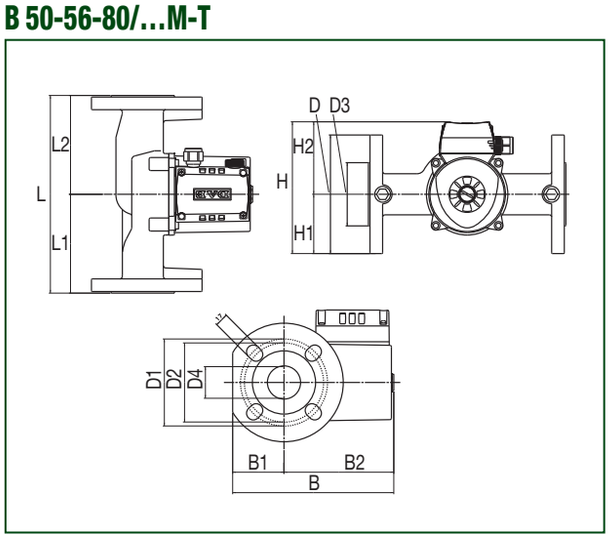
A 50-56-80/...M-T



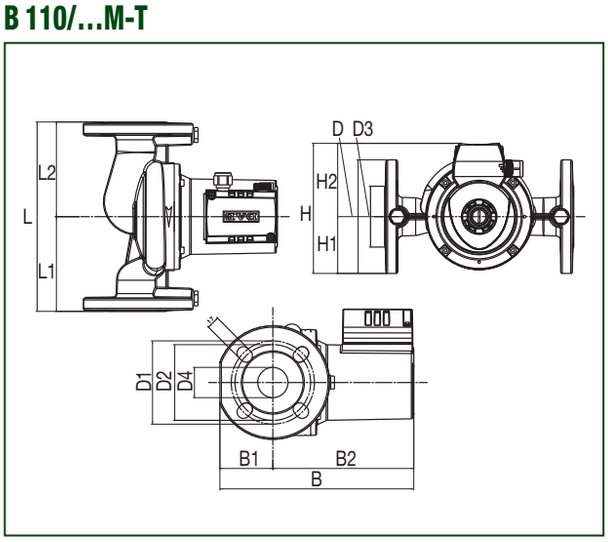
A 110/...M-T



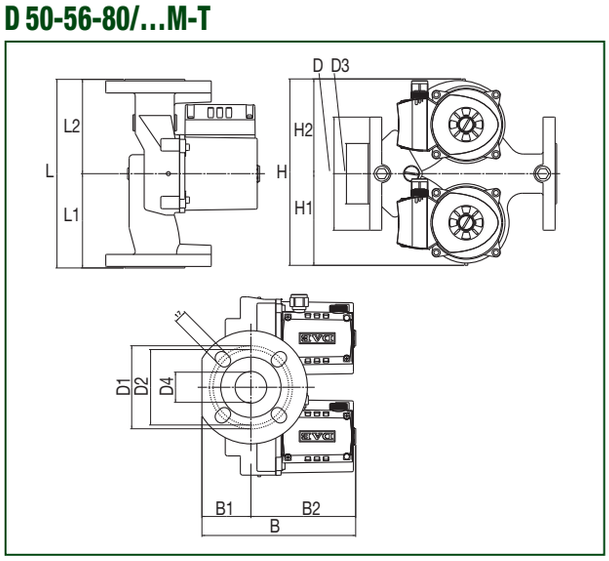
B 50-56-80/...M-T



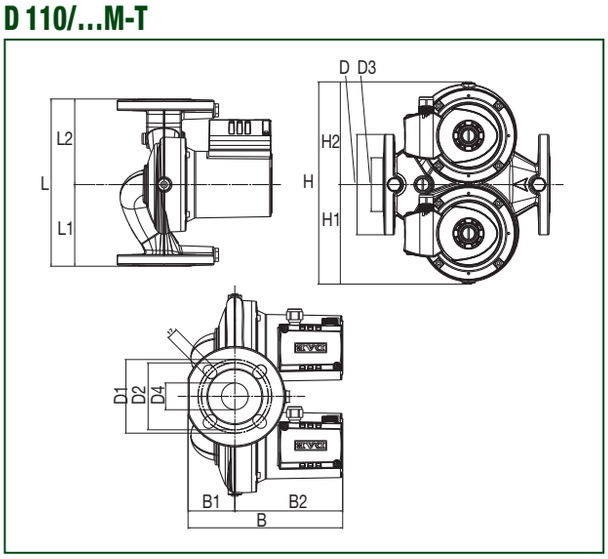
B 110/...M-T



D 50-56-80/...M-T



D 110/...M-T



A - B - D
WET ROTOR CIRCULATORS

MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT KG	Q.TY x PALLET
A 50/180 XM	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	2"G	5,3	115
A 50/180 M	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	1"1/2	5,0	115
A 50/180 XT	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	2"G	5,2	115
A 50/180 T	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	1"1/2	5,3	115
A 56/180 XM	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	2"G	5,3	115
A 56/180 M	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	1"1/2	5,3	115
A 56/180 XT	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	2"G	5,3	115
A 56/180 T	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	1"1/2	5,2	115
A 80/180 XM	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	2"G	5,3	115
A 80/180 M	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	1"1/2	5,3	115
A 80/180 XT	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	2"G	5,3	115
A 80/180 T	180	90	90	_	173	34	139	_	_	_	_	_	143	52	92	1"1/2	5,2	115
A 110/180 M	180	93	87	_	229	42	186	_	_	_	_	_	167	70	97	1"1/2	5,3	54
A 110/180 XM	180	93	87	_	229	42	186	_	_	_	_	_	167	70	97	2"G	5,3	54
A 110/180 T	180	93	87	_	229	186	42	_	_	_	_	_	163	70	93	1"1/2	5,2	54
A 110/180 XT	180	93	87	_	229	186	42	_	_	_	_	_	163	70	93	2"G	5,2	54

MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT KG	Q.TY x PALLET
B 50/250.40 M	250	125	125	_	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,1	42
B 50/250.40 T	250	125	125	_	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 56/250.40 M	250	125	125	_	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 56/250.40 T	250	125	125	_	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,2	42
B 80/250.40 M	250	125	125	_	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 80/250.40 T	250	125	125	_	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 110/250.40 M	250	125	125	_	256	70	186	150	110	100	80	40	172	75	97	DN40/PN10	9,2	42
B 110/250.40 T	250	125	125	_	256	70	186	150	110	100	80	40	168	75	93	DN40/PN10	9,3	42

MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT KG	Q.TY x PALLET
D 50/250.40 M	250	125	125	_	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,3	24
D 50/250.40 T	250	125	125	_	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 56/250.40 M	250	125	125	_	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 56/250.40 T	250	125	125	_	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,4	24
D 80/250.40 M	250	125	125	_	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 80/250.40 T	250	125	125	_	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 110/250.40 M	250	122	128	_	231	70	161	150	110	100	80	40	302	149	154	DN40/PN10	16	24
D 110/250.40 T	250	122	128	_	231	70	161	150	110	100	80	40	302	149	154	DN40/PN10	15,8	24

EVOTRON

NEW

EVOTRON SOL

WET ROTOR ELECTRONIC CIRCULATORS

compliant with the 2013 and 2015 european directive ErP 2009/125/EC (ex EuP)

CE

SOLAR PANEL AND GEOTHERMAL HEATING SYSTEMS



Thanks to the advanced technology employed, **the permanent magnet synchronous motor,** and **the frequency converter**, the new range of **EVOTRON SOL** circulators ensures high efficiency in all applications, bringing appreciable benefits in terms of energy saving. That's why the entire series of **EVOTRON SOL** circulators is included in energy efficiency class A.
The circulator features an electronic device that detects the changes demanded by the heating system and automatically adapts circulator performance accordingly, always ensuring optimal efficiency and minimum energy consumption.
Straightforward operation and an easy-to-ready control panel with display that shows the selected setting at each moment of operation.
Improved and optimized energy consumption overnight (SMART SLEEP Function).
Supplied with a special connector that enables simple and quick electrical Connections on installation.
Supplied with an insulation housing kit which adds significantly reducing in heat dispersion.
Operating range: from 0,4 to 4,2 m3/h with head of up to a 8 mt.
Liquid temperature range: from -10°C a +110°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection rating: IP 44.
Insulation class: F.
Installation: with HORIZONTAL MOTOR SHAFT.
Standard voltage input: single-phase 1x230V/50/60 Hz.
Liquid quality requirements: clean, free of solids and mineral oils, non-viscous,chemically neutral and approximating the properties of water.
Special versions on request: alternative voltages and/or frequencies.

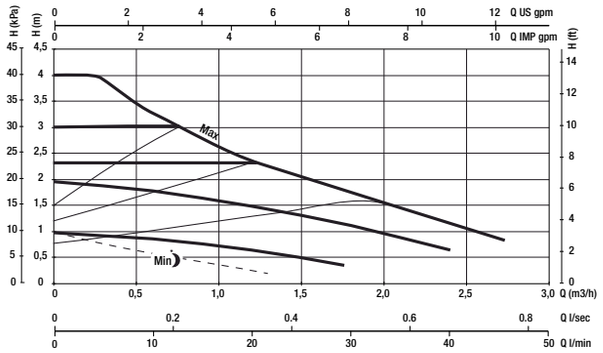
TECHNICAL DATA - SINGLE

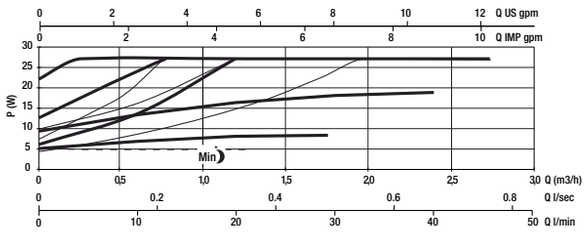
MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA			UNIONS ON REQUEST		MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	P1 RANGE W	In A	BRASS	COPPER	
EVOTRON 40/130 SOL	**60143369**	130	1x230 V	5 - 27	0,05 - 0,26	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 40/130(1/2) SOL	**60143372**	130	1x230 V	5 - 27	0,05 - 0,26	-	-	T° + 90°C m.c.a. 10
EVOTRON 40/180 SOL	**60143375**	180	1x230 V	5 - 27	0,05 - 0,26	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 60/130 SOL	**60143370**	130	1x230 V	5 - 43	0,05 - 0,40	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 60/130(1/2) SOL	**60143373**	130	1x230 V	5 - 43	0,05 - 0,40	-	-	T° + 90°C m.c.a. 10
EVOTRON 60/180 SOL	**60143376**	180	1x230 V	5 - 43	0,05 - 0,40	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 80/130 SOL	**60143371**	130	1x230 V	5 - 66	0,06 - 0,60	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 80/130(1/2) SOL	**60143374**	130	1x230 V	5 - 66	0,06 - 0,60	-	-	T° + 90°C m.c.a. 10
EVOTRON 80/180 SOL	**60143377**	180	1x230 V	5 - 66	0,06 - 0,60	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10

EVOTRON SOL

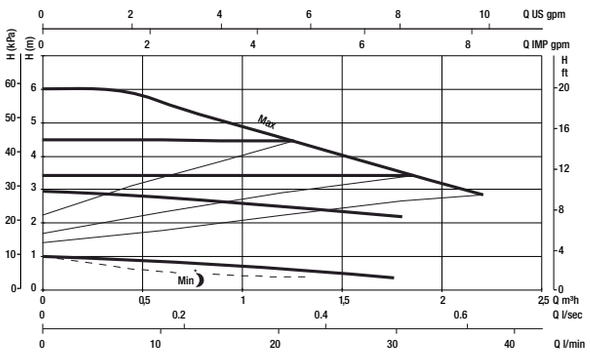
WET ROTOR ELECTRONIC CIRCULATORS

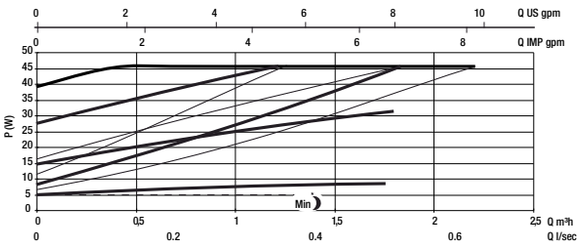
EVOTRON SOL 40



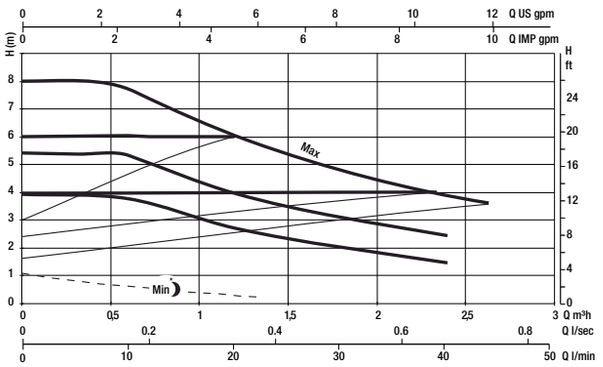


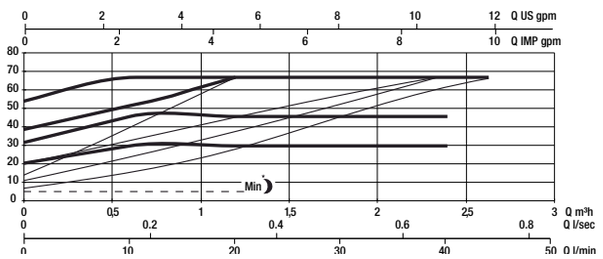
EVOTRON SOL 60





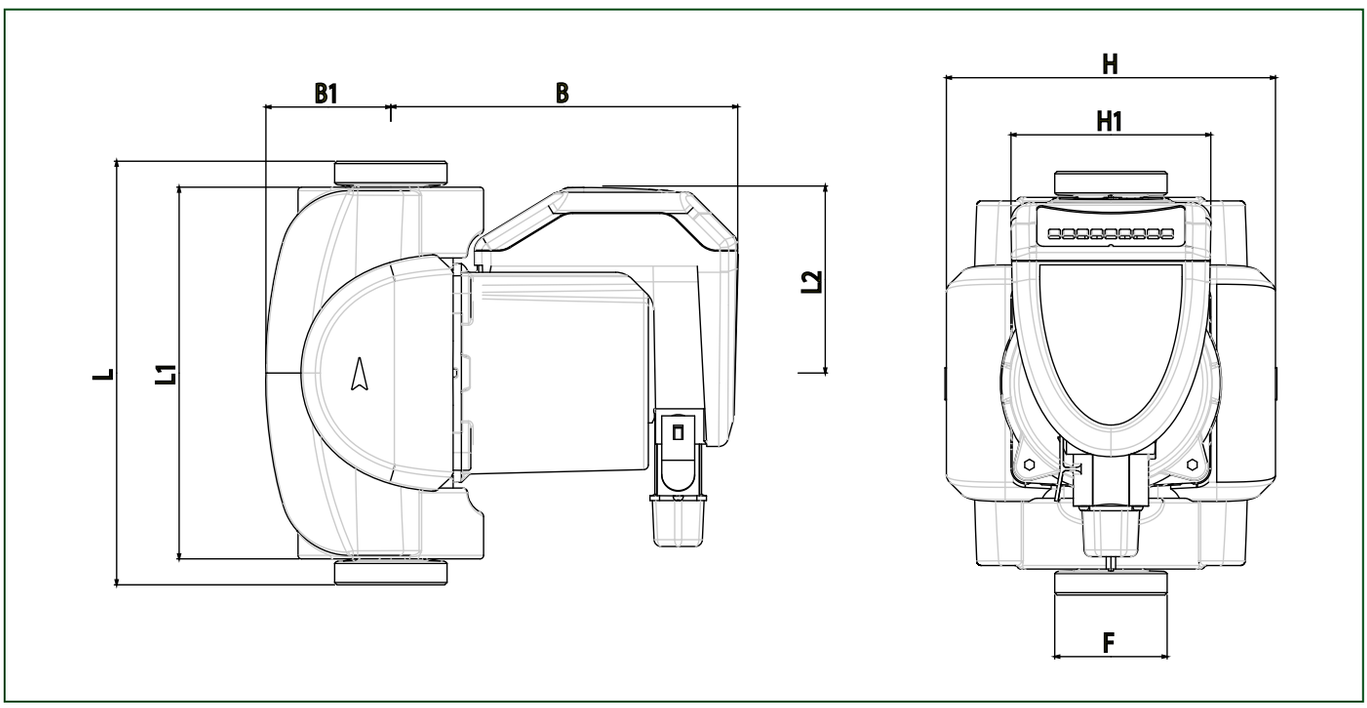
EVOTRON SOL 80





EVOTRON SOL
WET ROTOR ELECTRONIC CIRCULATORS

DIMENSIONS AND WEIGHTS



MODEL	L	L1	L2	B	B1	H	H1	F	PACKAGING DIMENSION			WEIGHT KG	Q.TY x PALLET
									L	B	H		
EVOTRON 40/130 SOL	130	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.7	120
EVOTRON 40/130(1/2) SOL	130	158	79.5	147.5	53	140	85	1"	148	193	217	2.7	120
EVOTRON 40/180 SOL	180	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.9	120
EVOTRON 60/130 SOL	130	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.7	120
EVOTRON 60/130(1/2) SOL	130	158	79.5	147.5	53	140	85	1"	148	193	217	2.7	120
EVOTRON 60/180 SOL	180	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.9	120
EVOTRON 80/130 SOL	130	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.7	120
EVOTRON 80/130(1/2) SOL	130	158	79.5	147.5	53	140	85	1"	148	193	217	2.7	120
EVOTRON 80/180 SOL	180	158	79.5	147.5	53	140	85	1"1/2	148	193	217	2.9	120

VSA
WET ROTOR CIRCULATORS



CE

SOLAR PANEL SYSTEMS

Pump for circulation of fluid media in solar panel powered heating systems.
VSA wet rotor circulators can function perfectly also with high glycol concentrations (up to 60%).
Monobloc body composed of hydraulic section in cast iron and wet rotor motor. **Special electrophoresis coating of the pump body to ensure resistance to glycol attack.** Motor casing in diecast aluminium. Rotor in engineering polymer, motor shaft in hardened stainless steel held in graphite bearings lubricated by the pumping medium. Rotor protective jacket, stator jacket, and closing flange in stainless steel. Ceramic thrust ring, ethylene propylene seals and brass air breather plug.
Two-pole asynchronous motor with squirrel cage rotor designed to run at three alternative speeds on the basis of the setting of a selector on the terminal board in order to adapt circulator operation to the characteristics of the system.

Operating range: from 0,5 to 3,6 m^3/h with pressure head of up to 6 m.
Liquid temperature range: from -10°C to +110°C (TF110).
All models are designed to withstand temperature peaks of up to 140°C
Pumped fluid: clean, free of solid contaminants and mineral oils, non-viscous, chemically neutral, close to the properties of water (max. glycol 60%).
Max. working pressure: 10 bar (1000 kPa).
Installation: with HORIZONTAL MOTOR SHAFT.
Protection rating: IP 44.
Insulation class: F.

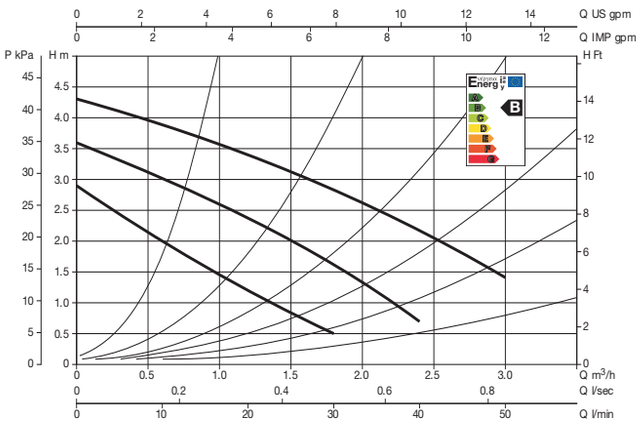
* see performance curves

TECHNICAL DATA

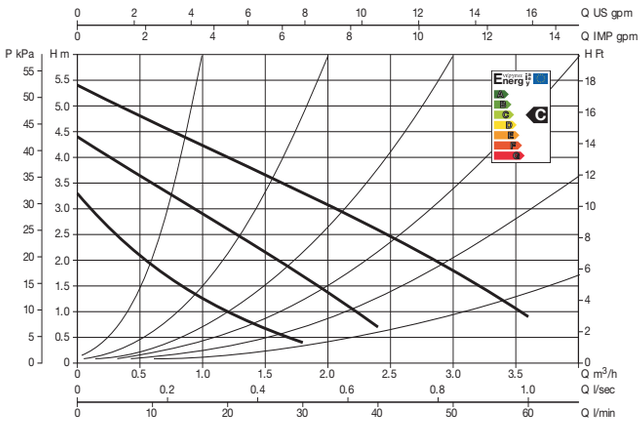
MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA							UNIONS ON REQUEST		MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	STANDARDIZED	SPECIAL	
VSA 35/130	**60115307**	130	1 x 230 V ~	3 2 1	2465 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	1" F	¾ " F 1 ¼ " M	t° +90°C m.c.a. 1,5
VSA 35/130 1/2"	**60115308**	130	1 x 230 V ~	3 2 1	2465 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	-	-	t° +90°C m.c.a. 1,5
VSA 35/180	**60115309**	180	1 x 230 V ~	3 2 1	2465 1930 1150	56 50 35	0,25 0,22 0,16	1,7	450	1" F	¾ " F 1 ¼ " M	t° +90°C m.c.a. 1,5
VSA 55/130	**60115310**	130	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	1" F	¾ " F 1 ¼ " M	t° +90°C m.c.a. 1,5
VSA 55/130 1/2"	**60115316**	130	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	-	-	t° +90°C m.c.a. 1,5
VSA 55/180	**60115317**	180	1 x 230 V ~	3 2 1	2400 1600 930	70 58 36	0,3 0,26 0,17	1,7	450	1" F	¾ " F 1 ¼ " M	t° +90°C m.c.a. 1,5
VSA 65/130	**60115318**	130	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	1" F	¾ " F 1 ¼ " M	t° +90°C m.c.a. 1,5
VSA 65/130 1/2"	**60115319**	130	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	-	-	t° +90°C m.c.a. 1,5
VSA 65/180	**60115320**	180	1 x 230 V ~	3 2 1	2310 1532 880	78 59 37	0,34 0,26 0,17	2	450	1" F	¾ " F 1 ¼ " M	t° +90°C m.c.a. 1,5

VSA
WET ROTOR CIRCULATORS

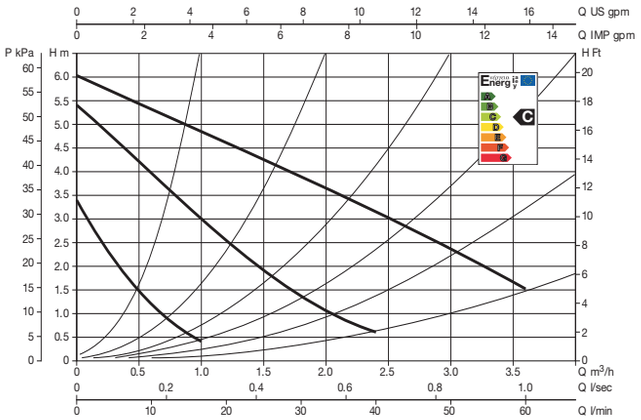
VSA 35

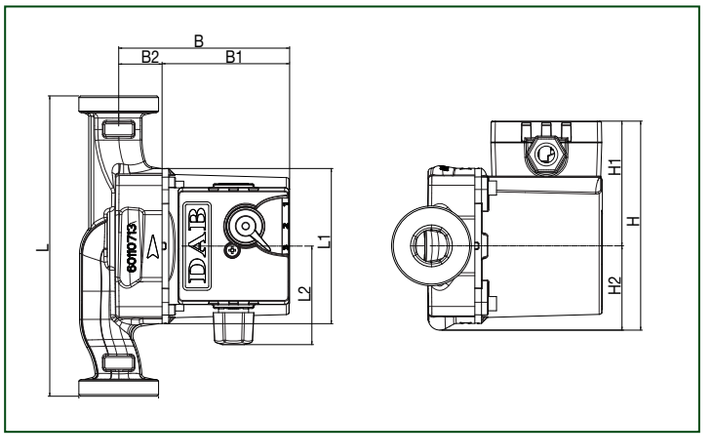


VSA 55



VSA 65





DIMENSIONS AND WEIGHTS

MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
											L	B	H		
VSA 35/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2,5	240
VSA 35/130 1/2"	130	93	59	102,5	76,5	26	125,5	75	50,5	1"	135	135	150	2,5	240
VSA 35/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2,6	180
VSA 35/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2,6	180
VSA 55/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2,5	240
VSA 55/130 1/2"	130	93	59	102,5	76,5	26	125,5	75	50,5	1"	135	135	150	2,5	240
VSA 55/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2,6	180
VSA 55/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2,6	180
VSA 65/130	130	93	59	102,5	76,5	26	125,5	75	50,5	1½"	135	135	150	2,5	240
VSA 65/130 1/2"	130	93	59	102,5	76,5	26	125,5	75	50,5	1"	135	135	150	2,5	240
VSA 65/180	180	93	59	102,5	76,5	26	125,5	75	50,5	1½"	130	190	150	2,6	180
VSA 65/180 X	180	93	59	102,5	76,5	26	125,5	75	50,5	2"	130	190	150	2,6	180

EVOTRON NEW

EVOTRON SAN

WET ROTOR ELECTRONIC CIRCULATORS

CE

HOT WATER SYSTEMS

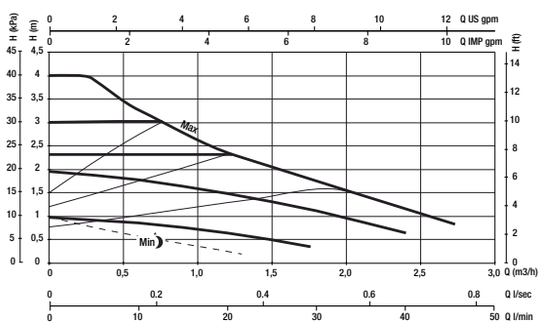


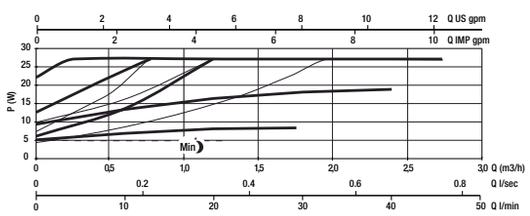
Thanks to the advanced technology employed, **the permanent magnet synchronous motor**, and **the frequency converter**, the new range of **EVOTRON SAN** circulators ensures high efficiency in all applications, bringing appreciable benefits in terms of energy saving. That's why the entire series of **EVOTRON SAN** circulators is included in energy efficiency class A.
The circulator features an electronic device that detects the changes demanded by the heating system and automatically adapts circulator performance accordingly, always ensuring optimal efficiency and minimum energy consumption.
Straightforward operation and an easy-to-ready control panel with display that shows the selected setting at each moment of operation.
Improved and optimized energy consumption overnight (SMART SLEEP Function).
Supplied with a special connector that enables simple and quick electrical connections on installation.
Supplied with an insulation housing kit which adds significantly reducing in heat dispersion.
Operating range: from 0,4 to 4,2 m3/h with head of up to a 8 mt.
Liquid temperature range: from -10°C a +110°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection rating: IP 44.
Insulation class: F.
Installation: with HORIZONTAL MOTOR SHAFT.
Standard voltage input: single-phase 1x230V/50/60 Hz.
Liquid quality requirements: clean, free of solids and mineral oils, non-viscous, chemically neutral and approximating the properties of water.
Special versions on request: alternative voltages and/or frequencies.

TECHNICAL DATA - SINGLE

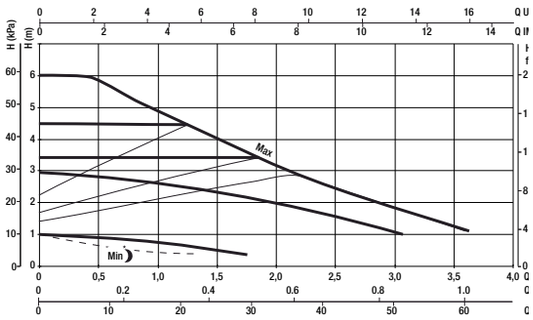
MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA			UNIONS ON REQUEST		MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	P1 RANGE W	In A	BRASS	COPPER	
EVOTRON 40/150 SAN	60143366	150	1x230 V	5 - 27	0,05 - 0,26	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 60/150 SAN	60143367	150	1x230 V	5 - 43	0,05 - 0,60	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10
EVOTRON 80/150 SAN	60143368	150	1x230 V	5 - 66	0,06 - 0,60	½" F - ¾" M - 1" F	ø 22 - ø 28	T° + 90°C m.c.a. 10

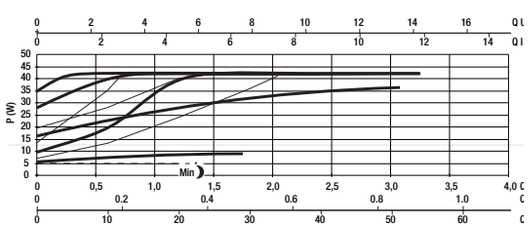
EVOTRON SAN 40





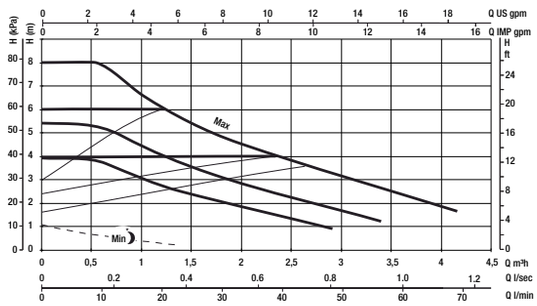
EVOTRON SAN 60

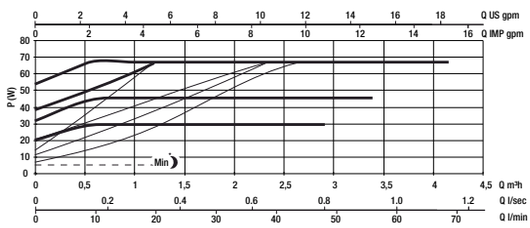




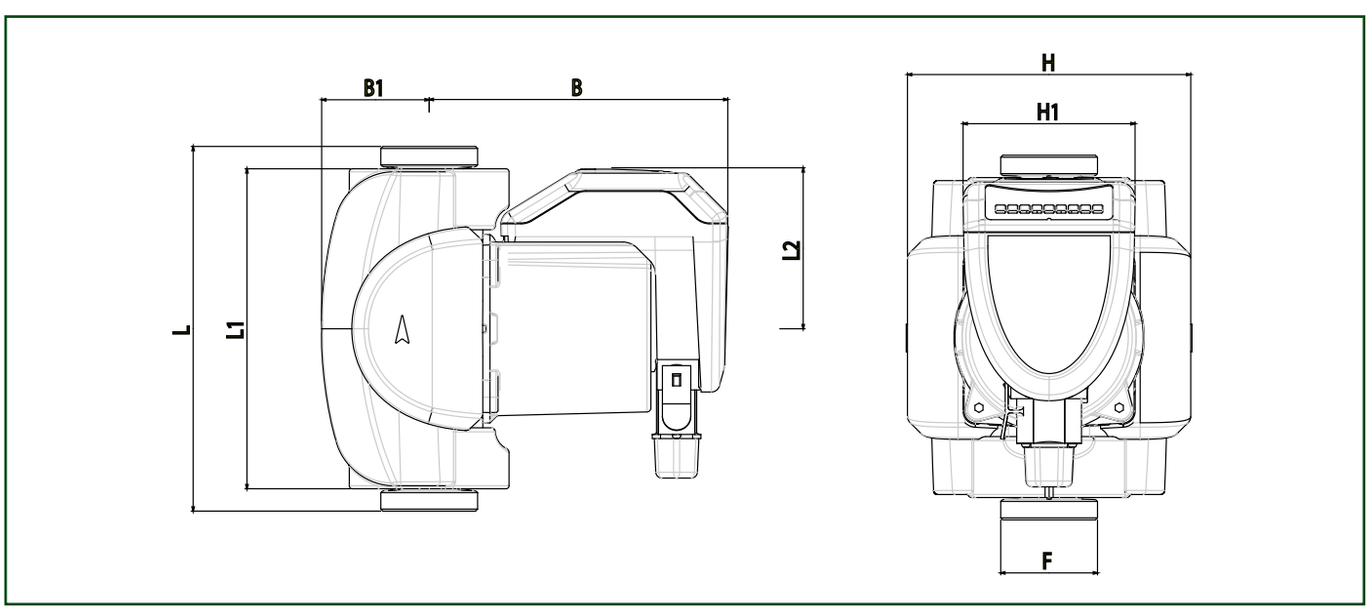
EVOTRON SAN
WET ROTOR ELECTRONIC CIRCULATORS

EVOTRON SAN 80





DIMENSIONS AND WEIGHTS



MODEL	L	L1	L2	B	B1	H	H1	F	PACKAGING DIMENSION			WEIGHT KG	Q.TY x PALLET
									L	B	H		
EVOTRON 40/150 SAN	150	158	79.5	147.5	53	140	85	1"1/2	148	193	217	3.0	120
EVOTRON 60/150 SAN	150	158	79.5	147.5	53	140	85	1"1/2	148	193	217	3.0	120
EVOTRON 80/150 SAN	150	158	79.5	147.5	53	140	85	1"1/2	148	193	217	3.0	120

VS
WET ROTOR CIRCULATORS



CE

HOT WATER SYSTEMS

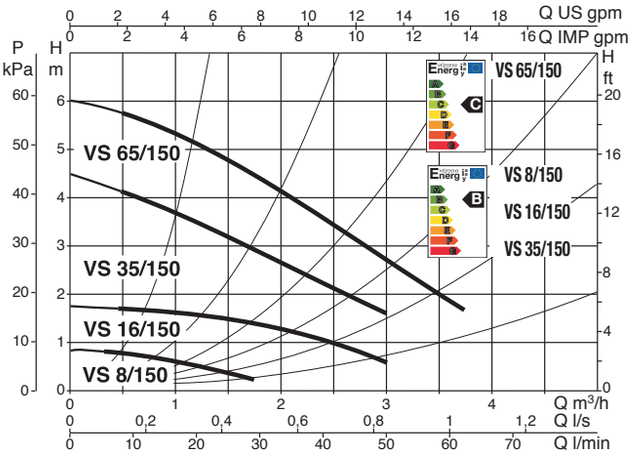
Pump for hot water circulation in hot water domestic systems of the closed and pressurised or open tank type. Also suitable for solar power systems.
Single body formed of the bronze hydraulic unit. Die-cast aluminium motor casing. Technopolymer impeller. Ceramic driving shaft mounted on graphite brushings lubricated by the pumped liquid itself.
Stainless steel protective rotor sleeve, stator sleeve and closing flange.
Ceramic thrust bearing, E.P.D.M. "O" rings.
The two-pole or four-pole asynchronous motor with wet rotor is self-protected for resistance.
No overload protection required.

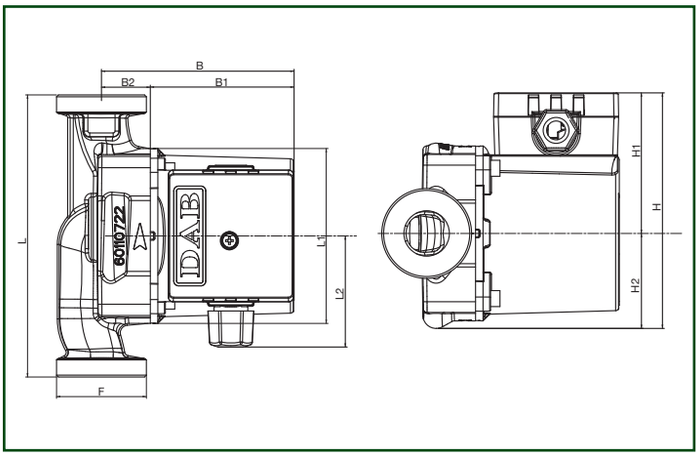
Operating range: from 0.5 to 3,6 m³/h with head up to 6 metres.
Liquid temperature range:
from -10°C to +85°C (for sanitary use)
+110°C (for others use).
Pumped liquid characteristics: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max 30% glycol).
Maximum working pressure: 10 bar (1000 kPa).
Protection level: IP 44.
Insulation class: F.
Cable grommet: PG 11.
Installation: with motor axis horizontal.

* see performance curves

TECHNICAL DATA

MODEL	CODE	CENTRE DISTANCE mm	ELECTRICAL DATA						UNIONS ON REQUEST		MINIMUM HEAD PRESSURE
			VOLTAGE 50 Hz	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR		STANDARDIZED	SPECIAL	
							µF	Vc			
VS 8/150	**60112968**	150	1 x 230 V ~	1340	22	0,14	1,5	450	BRASS 1/2" F - 3/4" F - 1" F COPPER d22 e d28		t° +90°C m.c.a. 1,5
VS 16/150	**60115297**	150	1 x 230 V ~	2784	41	0,19	1,5	450	BRASS 1/2" F - 3/4" F - 1" F COPPER d22 e d28		t° +90°C m.c.a. 1,5
VS 35/150	**60115298**	150	1 x 230 V ~	2470	55	0,24	1,7	450	BRASS 1/2" F - 3/4" F - 1" F COPPER d22 e d28		t° +90°C m.c.a. 1,5
VS 65/150	**60115299**	150	1 x 230 V ~	2317	77	0,34	2	450	BRASS 1/2" F - 3/4" F - 1" F COPPER d22 e d28		t° +90°C m.c.a. 1,5





MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F GAS	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
											L	B	H		
VSA 35/130	150	98	60	104	78	26	124	75	49	11/2"	134	188	150	2,6	180
VSA 35/130 1/2"	150	98	60	104	78	26	124	75	49	11/2"	134	188	150	2,6	180
VSA 35/180	150	98	60	104	78	26	124	75	49	11/2"	134	188	150	2,6	180
VSA 35/180 X	150	98	60	104	78	26	124	75	49	11/2"	134	188	150	2,6	180

WET ROTOR CIRCULATORS
PERFORMANCE RANGE

BPH - BMH - *HEATING AND AIR CONDITIONING SYSTEMS*

SINGLE Single-phase - Three-phase	P1 Max W	Q m3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160	12 200	14,4 240	18 300	24 400	30 500	36 600	42 700	54 900	72 1200
BPH 60/250.40 M	316		7,2			6,8	6,7	6,5	6,2	5,8	5	3,7	2								
BPH 120/250.40 M	510		11			10,3	10,1	9,8	9,2	8,6	7,65	6,2	4,35	2,4							
BPH 60/280.50 M	595		7,65			7,5	7,45	7,4	7,3	7,2	6,98	6,7	6,2	5,75	4,6	2,3					
BPH 60/340.65 M	735		6,8			6,79	6,75	6,7	6,6	6,57	6,5	6,35	6,2	5,95	5,5	4,35	2,85	1,2			
BMH 30/250.40 T	192		3,3			3,1	2,95	2,85	2,5	2,1	1,15										
BPH 60/250.40 T	348		7,65			7,4	7,3	7,2	6,8	6,4	5,45	3,9	2,25								
BPH 120/250.40 T	536		12				11	10,7	10,1	9,5	8,4	6,8	4,7	2,2							
BMH 30/280.50 T	255		3,15				3,02	3	2,93	2,85	2,65	2,3	1,75	1,2							
BMH 60/280.50 T	410		5,83				5,65	5,6	5,49	5,35	5,1	4,75	4,2	3,65	2,62						
BPH 60/280.50 T	589		7,95				7,75	7,7	7,6	7,5	7,35	6,92	6,45	5,85	4,65	2,4					
BPH 120/280.50 M	870		11,3						10,8	10,5	10,3	9,9	9,4	8,5	7,2	4,8	2,1				
BPH 120/280.50 T	898		11,7						11,3	11	10,75	10,25	9,6	8,9	7,75	5,4	2,6				
BPH 150/280.50 T	1130	H (m)	15						14,6	14,4	14	13,6	12,7	11,8	10,5	7,5					
BPH 180/280.50 T	1630		18,4								17,4	17	16,4	15,6	14,4	12	8,8	5,2			
BMH 30/340.65 T	270		3,15						3,09	3,02	2,98	2,85	2,55	2,25	1,65						
BMH 60/340.65 T	445		5,4						5,15	5,05	4,9	4,7	4,45	4,1	3,45	2,25					
BPH 60/340.65 T	756		7,4						7,35	7,3	7,24	7,1	6,9	6,65	6,15	4,9	3,3	1,4			
BPH 120/340.65 T	1275		10,9						10,75	10,68	10,6	10,5	10,38	10,2	9,8	8,7	7,15	5,2	3		
BPH 150/340.65 T	2800		14,9						14,88	14,83	14,75	14,65	14,55	14,3	13,88	12,65	11	9,35	7,15		
BPH 180/340.65 T	2760		17,9								17,8	17,7	17,5	17,3	16,8	15,7	14,1	12,1	10		
BMH 30/360.80 T	484		3,9								3,85	3,8	3,75	3,65	3,48	3,1	2,45	1,75			
BMH 60/360.80 T	763		5,7								5,66	5,61	5,59	5,5	5,4	5	4,55	3,9	3,1		
BPH 120/360.80 T	1820		11,8								11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65	
BPH 150/360.80 T	2710		15,3								15,1	15,06	14,99	14,92	14,75	14,5	14	13,4	12,4	10,3	6
BPH 180/360.80 T	2310		17,5								17,4	17,25	17,1	16,8	16,25	15	13,7	12	10,1	5,5	

DPH - DMH - *HEATING AND AIR CONDITIONING SYSTEMS*

TWIN Single-phase - Three-phase	P1 Max W	Q m3/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160	12 200	14,4 240	18 300	24 400	30 500	36 600	42 700	54 900	72 1200
DPH 60/250.40 M	316		7,2			6,8	6,7	6,5	6,2	5,8	5	3,7	2								
DPH 120/250.40 M	510		11			10,3	10,1	9,8	9,2	8,6	7,65	6,2	4,35	2,4							
DPH 60/280.50 M	595		7,65			7,5	7,45	7,4	7,3	7,2	6,98	6,7	6,2	5,75	4,6	2,3					
DPH 60/340.65 M	735		6,8			6,79	6,75	6,7	6,6	6,57	6,5	6,35	6,2	5,95	5,5	4,35	2,85	1,2			
DMH 30/250.40 T	192		3,3			3,1	2,95	2,85	2,5	2,1	1,15										
DPH 60/250.40 T	348		7,65			7,4	7,3	7,2	6,8	6,4	5,45	3,9	2,25								
DPH 120/250.40 T	536		12				11	10,7	10,1	9,5	8,4	6,8	4,7	2,2							
DMH 30/280.50 T	255		3,15				3,02	3	2,93	2,85	2,65	2,3	1,75	1,2							
DMH 60/280.50 T	410		5,83				5,65	5,6	5,49	5,35	5,1	4,75	4,2	3,65	2,62						
DPH 60/280.50 T	589		7,95				7,75	7,7	7,6	7,5	7,35	6,92	6,45	5,85	4,65	2,4					
DPH 120/280.50 M	870		11,3						10,8	10,5	10,3	9,9	9,4	8,5	7,2	4,8	2,1				
DPH 120/280.50 T	898		11,7						11,3	11	10,75	10,25	9,6	8,9	7,75	5,4	2,6				
DPH 150/280.50 T	1130	H (m)	15						14,6	14,4	14	13,6	12,7	11,8	10,5	7,5					
DPH 180/280.50 T	1630		18,4								17,4	17	16,4	15,6	14,4	12	8,8	5,2			
DMH 30/340.65 T	270		3,15						3,09	3,02	2,98	2,85	2,55	2,25	1,65						
DMH 60/340.65 T	445		5,4						5,15	5,05	4,9	4,7	4,45	4,1	3,45	2,25					
DPH 60/340.65 T	756		7,4						7,35	7,3	7,24	7,1	6,9	6,65	6,15	4,9	3,3	1,4			
DPH 120/340.65 T	1275		10,9						10,75	10,68	10,6	10,5	10,38	10,2	9,8	8,7	7,15	5,2	3		
DPH 150/340.65 T	2800		14,9						14,88	14,83	14,75	14,65	14,55	14,3	13,88	12,65	11	9,35	7,15		
DPH 180/340.65 T	2760		17,9								17,8	17,7	17,5	17,3	16,8	15,7	14,1	12,1	10		
DMH 30/360.80 T	484		3,9								3,85	3,8	3,75	3,65	3,48	3,1	2,45	1,75			
DMH 30/360.80 T	763		5,7								5,66	5,61	5,59	5,5	5,4	5	4,55	3,9	3,1		
DPH 120/360.80 T	1820		11,8								11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65	
DPH 150/360.80 T	2710		15,3								15,1	15,06	14,99	14,92	14,75	14,5	14	13,4	12,4	10,3	6
DPH 180/360.80 T	2310		17,5								17,4	17,25	17,1	16,8	16,25	15	13,7	12	10,1	5,5	

DPH - DMH - BPH - BMH

WET ROTOR CIRCULATORS



DPH/DMH



BPH/BMH

CE

HEATING AND AIR CONDITIONING SYSTEMS

Pump for circulating hot water in small closed and pressurised or open tank civil and industrial community heating systems. Cast iron body and wet rotor motor.
Die-cast aluminium motor casing. Flanged inlet and delivery mouths, fitted with threaded unions for pressure gauges. Technopolymer impeller, tempered stainless steel driving shaft. Stainless steel protective rotor sleeve and stator sleeve. Four pole asynchronous motor for the BMH and DMH versions, two pole motor for the BPH and DPH versions. The Single-phase circulator has been designed to work at three speeds - 230V, while the Three-phase circulator has been designed to work at two speeds - 230 V and at three speeds - 400 V. Thermal overload protection incorporated in the single-phase version. For the three-phase version the motor must be connected to the power supply through an external contactor. An automatic clapet type valve is incorporated into the delivery mouth of the twin version in order to prevent water from recirculating while the unit is not working; a blank flange is also supplied standard if one of the two motors must be serviced.
Protection level: IP 44 three-phase - IP42 single-phase.
Operating range: from 1.5 to 78 m^3/h with head up to 18 metres.
Liquid temperature range: for three-phase version: from -10°C to +120°C (for the models BPH-DPH 150/340.65 T and BPH-DPH 150/360.80 T; BPH-DPH 150-180/280.50 T; BPH-DPH 180/340.65 T; BPH-DPH 180/360.80 T: from -10°C to +110°C).
For single-phase version: from -10°C to +110°C.
Characteristics of pumped liquid: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max. glycol 30%).
Maximum operating pressure: 10 bar (1000 kPa).
Standard flanging: DN 40, DN 50, DN 65, DN 80 in PN 6/PN 10 (4 holes).
Flanging on request: DN 80 in PN 10/PN 16 (8 holes).
Installation: with MOTOR AXIS HORIZONTAL.
Cable grommet: PG 11.

TECHNICAL DATA - *SINGLE WITH OVAL FLANGES*

BMH 1400 1/min.
BPH 2800 1/min.

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA					MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	
BMH 30/250.40T	505900622	250	DN 40	3 x 230 V ~	2 1	1340 1260	100 88	0,48 0,39	t° 75°C 90°C 110°C 120°C m.t. 0,9 4 – 18
				3 x 400 V ~	3 2 1	1440 1430 1260	192 155 88	0,78 0,58 0,23	
BPH 60/250.40M	505904002	250	DN 40	1x230 V ~	3 2 1	2830 2750 2410	316 309 292	1,43 1,53 1,51	t° 75°C 90°C 110°C 120°C m.t. 1,6 4 14 -
BPH 60/250.40T	505904622	250	DN 40	3 x 230 V ~	2 1	2570 2420	253 229	0,81 0,72	t° 75°C 90°C 110°C 120°C m.t. 1,6 4 - 19
				3 x 400 V ~	3 2 1	2850 2810 2430	348 316 232	0,99 0,75 0,72	
BPH 120/250.40M	505907002	250	DN 40	1x230 V ~	3 2 1	2650 2320 1520	510 498 376	2,24 2,35 1,96	t° 75°C 90°C 110°C 120°C m.t. 6 9 18 -
BPH 120/250.40T	505907622	250	DN 40	3 x 230 V ~	2 1	2300 2070	395 340	1,2 1,07	t° 75°C 90°C 110°C 120°C m.t. 6 9 – 23
				3 x 400 V ~	3 2 1	2780 2710 2080	536 499 339	1,16 0,98 0,62	
BMH 30/280.50T	505920622	280	DN 50	3 x 230 V ~	2 1	1390 1340	148 134	0,7 0,55	t° 75°C 90°C 110°C 120°C m.t. 0,9 4 – 18
				3 x 400 V ~	3 2 1	1460 1450 1350	255 216 131	1,12 0,83 0,32	
BMH 60/280.50T	505923622	280	DN 50	3 x 230 V ~	2 1	1210 1120	272 240	0,94 0,8	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 – 21
				3 x 400 V ~	3 2 1	1400 1360 1130	410 367 235	1,2 095 0,46	
BPH 60/280.50M	505924002	280	DN 50	1x230 V ~	3 2 1	2840 2730 2200	595 540 506	2,79 2,45 2,58	t° 75°C 90°C 110°C 120°C m.t. 1,6 6 14 -
BPH 60/280.50T	505924622	280	DN 50	3 x 230 V ~	2 1	2670 2570	464 432	1,35 1,23	t° 75°C 90°C 110°C 120°C m.t. 1,6 6 – 19
				3 x 400 V ~	3 2 1	2890 2860 2570	589 546 423	1,31 0,1 0,71	
BPH 120/280.50M	505927002	280	DN 50	1x230 V ~	3 2 1	2690 2360 1340	870 800 590	3,97 3,69 3,12	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20

DAB PUMPS reserves the right to make modifications without notice

DPH - DMH - BPH - BMH
WET ROTOR CIRCULATORS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA					MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.pm. 1/min	P1 MAX W	In A	
BPH 120/280.50T	**505927622**	280	DN 50	3x230 V ~	2 1	2430 2240	683 605	1,95 1,75	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	2810 2740 2260	898 840 603	1,67 1,47 1	
BPH 150/280.50T	**505928622**	280	DN 50	3x230 V ~	2 1	2553 2420	1130 1032	3,22 3	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	2850 2802 2425	1470 1360 1030	2,9 2,5 1,7	
BPH 180/280.50T	**505929622**	280	DN 50	3x230 V ~	2 1	2520 2340	1230 1120	3,5 3,2	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	2830 2780 2360	1630 1540 1130	3 2,70 1,85	
BMH 30/340.65T	**505940622**	340	DN65	3x230 V ~	2 1	1360 1310	170 154	0,73 0,60	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 – 21
				3x400 V ~	3 2 1	1450 1430 1310	270 233 150	1,12 0,84 0,35	
BMH 60/340.65T	**505943622**	340	DN65	3x230 V ~	2 1	1170 1070	295 257	1 0,85	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 – 21
				3x400 V ~	3 2 1	1380 1350 1090	445 403 255	1,2 0,97 0,49	
BPH 60/340.65M	**505944002**	340	DN65	1x230 V ~	3 2 1	2780 2580 1460	735 685 564	3,37 3,13 3,12	t° 75°C 90°C 110°C 120°C m.t. 1 4 13 -
BPH 60/340.65T	**505944622**	340	DN65	3x230 V ~	2 1	2550 2380	582 532	1,67 1,53	t° 75°C 90°C 110°C 120°C m.t. 1 4 - 18
				3x400 V ~	3 2 1	2850 2800 2400	756 705 535	1,5 1,3 0,9	
BPH 120/340.65T	**505947622**	340	DN65	3x230 V ~	2 1	2630 2500	1001 940	2,85 2,66	t° 75°C 90°C 110°C 120°C m.t. 6 9 – 22
				3x400 V ~	3 2 1	2880 2830 2520	1275 1200 934	2,64 2,25 1,52	
BPH 150/340.65T	**505948622**	340	DN65	3x230 V ~	2 1	2410 2250	1345 1188	3,8 3,36	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2800 2730 2250	1796 1690 1210	3,25 2,93 2	
BPH 180/340.65T	**505949622**	340	DN65	3x230 V ~	2 1	2330 2100	1730 1570	4,85 4,5	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2760 2680 2150	2760 2330 1560	4,2 3,8 2,5	
BMH 30/360.80T	**505960122**	360	DN80	3x230 V ~	2 1	1100 1010	313 268	1,05 0,88	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 - 21
				3x400 V ~	3 2 1	1370 1330 1030	484 437 266	1,23 1 0,51	
BMH 60/360.80T	**505963122**	360	DN80	3x230 V ~	2 1	1180 1100	535 465	1,82 1,55	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	1390 1350 1100	763 663 465	2,04 1,65 0,89	
BPH 120/360.80T	**505967122**	360	DN80	3x230 V ~	2 1	2500 2340	1410 1292	3,95 3,6	t° 75°C 90°C 110°C 120°C m.t. 6 10 – 22
				3x400 V ~	3 2 1	2830 2780 2350	1820 1710 1302	3,3 2,93 2,13	
BPH 150/360.80T	**505968122**	360	DN80	3x230 V ~	2 1	2140 1900	1984 1695	5,62 4,82	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2710 2610 1940	2870 2686 1710	4,64 4,32 2,85	
BPH 180/360.80T	**505969122**	360	DN80	3x230 V ~	2 1	2380 2170	1670 1490	4,7 4,25	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2780 2700 2200	2310 2210 1490	4 3,5 2,4	

The electric data refer to one motor.

TECHNICAL DATA - *TWIN WITH OVAL FLANGES*

DMH 1400 1/min.
DPH 2800 1/min.

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA					MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.pm. 1/min	P1 MAX W	In A	
DMH 30/250.40 T	**505910622**	250	DN 40	3 x 230 V ~	2 1	1340 1260	100 88	0,48 0,39	t° 75°C 90°C 110°C 120°C m.t. 0,9 4 – 18
				3 x 400 V ~	3 2 1	1440 1430 1260	192 155 88	0,78 0,58 0,23	
DPH 60/250.40 M	**505914002**	250	DN 40	1x230 V ~	3 2 1	2830 2750 2410	316 309 292	1,43 1,53 1,51	t° 75°C 90°C 110°C 120°C m.t. 1,6 4 14 -
DPH 60/250.40 T	**505914622**	250	DN 40	3 x 230 V ~	2 1	2570 2420	253 229	0,81 0,72	t° 75°C 90°C 110°C 120°C m.t. 1,6 4 - 19
				3 x 400 V ~	3 2 1	2850 2810 2430	348 316 232	0,99 0,75 0,72	
DPH 120/250.40 M	**505917002**	250	DN 40	1x230 V ~	3 2 1	2650 2320 1520	510 498 376	2,24 2,35 1,96	t° 75°C 90°C 110°C 120°C m.t. 6 9 18 -
DPH 120/250.40 T	**505917622**	250	DN 40	3 x 230 V ~	2 1	2300 2070	395 340	1,2 1,07	t° 75°C 90°C 110°C 120°C m.t. 6 9 – 23
				3 x 400 V ~	3 2 1	2780 2710 2080	536 499 339	1,16 0,98 0,62	
DMH 30/280.50 T	**505930622**	280	DN 50	3 x 230 V ~	2 1	1390 1340	148 134	0,7 0,55	t° 75°C 90°C 110°C 120°C m.t. 0,9 4 – 18
				3 x 400 V ~	3 2 1	1460 1450 1350	255 216 131	1,12 0,83 0,32	
DMH 60/280.50 T	**505933622**	280	DN 50	3 x 230 V ~	2 1	1210 1120	272 240	0,94 0,8	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 – 21
				3 x 400 V ~	3 2 1	1400 1360 1130	410 367 235	1,2 095 0,46	
DPH 60/280.50 M	**505934002**	280	DN 50	1x230 V ~	3 2 1	2840 2730 2200	595 540 506	2,79 2,45 2,58	t° 75°C 90°C 110°C 120°C m.t. 1,6 6 14 -
DPH 60/280.50 T	**505934622**	280	DN 50	3 x 230 V ~	2 1	2670 2570	464 432	1,35 1,23	t° 75°C 90°C 110°C 120°C m.t. 1,6 6 – 19
				3 x 400 V ~	3 2 1	2890 2860 2570	589 546 423	1,31 0,1 0,71	
DPH 120/280.50 M	**505937002**	280	DN 50	1x230 V ~	3 2 1	2690 2360 1340	870 800 590	3,97 3,69 3,12	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
DPH 120/280.50 T	**505937622**	280	DN 50	3x230 V ~	2 1	2430 2240	683 605	1,95 1,75	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	2810 2740 2260	898 840 603	1,67 1,47 1	
DPH 150/280.50T	**505938622**	280	DN 50	3x230 V ~	2 1	2553 2420	1130 1032	3,22 3	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	2850 2802 2425	1470 1360 1030	2,9 2,5 1,7	
DPH 180/280.50T	**505939622**	280	DN 50	3x230 V ~	2 1	2520 2340	1230 1120	3,5 3,2	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	2830 2780 2360	1630 1540 1130	3 2,70 1,85	
DMH 30/340.65 T	**505950622**	340	DN65	3x230 V ~	2 1	1360 1310	170 154	0,73 0,60	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 – 21
				3x400 V ~	3 2 1	1450 1430 1310	270 233 150	1,12 0,84 0,35	
DMH 60/340.65 T	**505953622**	340	DN65	3x230 V ~	2 1	1170 1070	295 257	1 0,85	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 – 21
				3x400 V ~	3 2 1	1380 1350 1090	445 403 255	1,2 0,97 0,49	
DPH 60/340.65 M	**505954002**	340	DN65	1x230 V ~	3 2 1	2780 2580 1460	735 685 564	3,37 3,13 3,12	t° 75°C 90°C 110°C 120°C m.t. 1 4 13 -
DPH 60/340.65 T	**505954622**	340	DN65	3x230 V ~	2 1	2550 1380	582 532	1,67 1,53	t° 75°C 90°C 110°C 120°C m.t. 1 4 – 18
				3x400 V ~	3 2 1	2850 2800 2400	756 705 535	1,5 1,3 0,9	

The electric data refer to one motor.

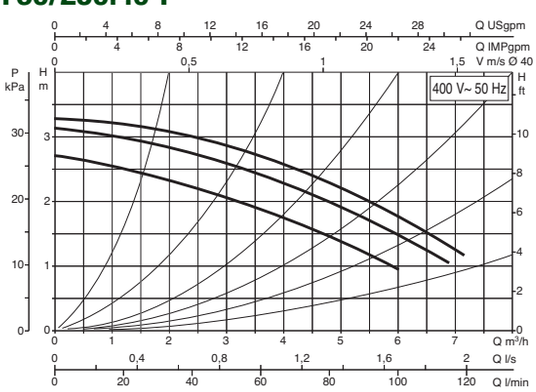
DAB PUMPS reserves the right to make modifications without notice

DPH - DMH - BPH - BMH
WET ROTOR CIRCULATORS

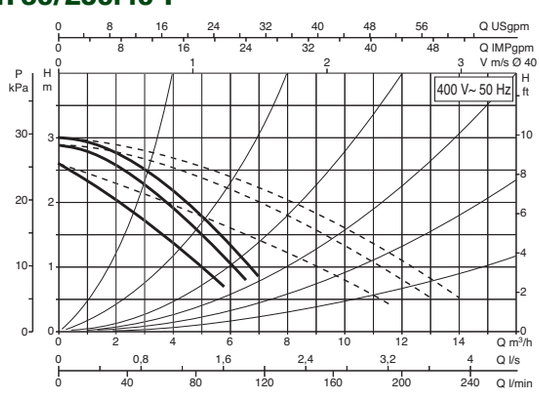
MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA					MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.p.m. 1/min	P1 MAX W	In A	
DPH 120/340.65 T	**505957622**	340	DN65	3x230 V ~	2 1	2630 2500	1001 940	2,85 2,66	t° 75°C 90°C 110°C 120°C m.t. 6 9 – 22
				3x400 V ~	3 2 1	2880 2830 2520	1275 1200 934	2,64 2,25 1,52	
DPH 150/340.65 T	**505958622**	340	DN65	3x230 V ~	2 1	2410 2250	1345 1188	3,8 3,36	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2800 2730 2250	1796 1690 1210	3,25 2,93 2	
DPH 180/340.65T	**505959622**	340	DN65	3x230 V ~	2 1	2330 2100	1730 1570	4,85 4,5	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2760 2680 2150	2760 2330 1560	4,2 3,8 2,5	
DMH 30/360.80 T	**505970122**	360	DN80	3x230 V ~	2 1	1100 1010	313 268	1,05 0,88	t° 75°C 90°C 110°C 120°C m.t. 4 7,5 - 21
				3x400 V ~	3 2 1	1370 1330 1030	484 437 266	1,23 1 0,51	
DMH 60/360.80 T	**505973122**	360	DN80	3x230 V ~	2 1	1180 1100	535 465	1,82 1,55	t° 75°C 90°C 110°C 120°C m.t. 2 5 – 20
				3x400 V ~	3 2 1	1390 1350 1100	763 663 465	2,04 1,65 0,89	
DPH 120/360.80 T	**505977122**	360	DN80	3x230 V ~	2 1	2500 2340	1410 1292	3,95 3,6	t° 75°C 90°C 110°C 120°C m.t. 6 10 – 22
				3x400 V ~	3 2 1	2830 2780 2350	1820 1710 1302	3,3 2,93 2,13	
DPH 150/360.80 T	**505978122**	360	DN80	3x230 V ~	2 1	2140 1900	1984 1695	5,62 4,82	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2710 2610 1940	2870 2686 1710	4,64 4,32 2,85	
DPH 180/360.80T	**505979122**	360	DN80	3x230 V ~	2 1	2380 2170	1670 1490	4,7 4,25	t° 75°C 90°C 110°C 120°C m.t. 7 11 18 -
				3x400 V ~	3 2 1	2780 2700 2200	2310 2210 1490	4 3,5 2,4	

380 V~ - 400 V~

BMH 30/250.40 T



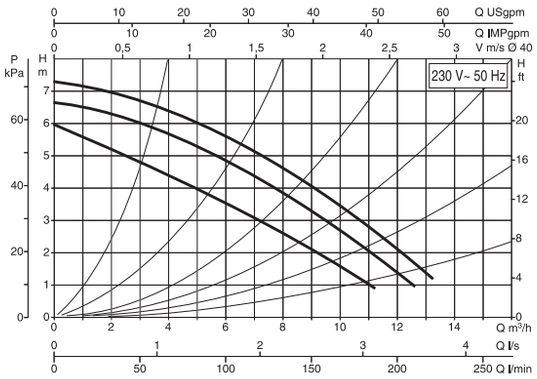
DMH 30/250.40 T



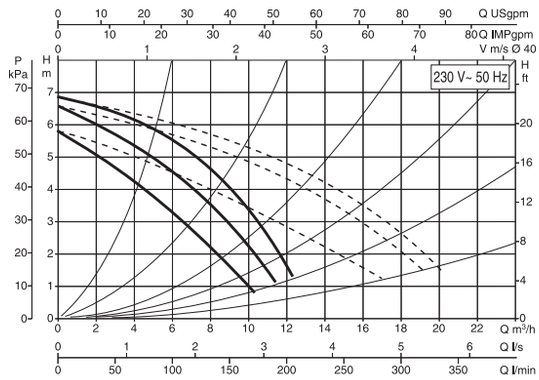
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH
WET ROTOR CIRCULATORS

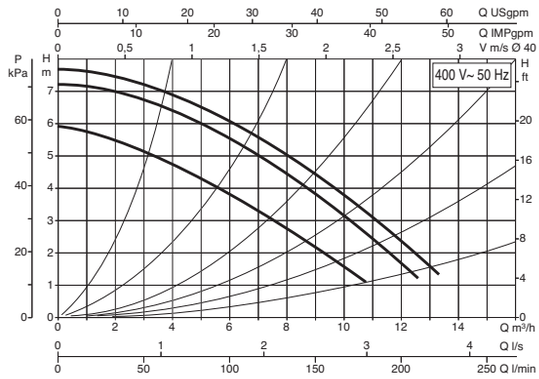
BPH 60/250.40 M



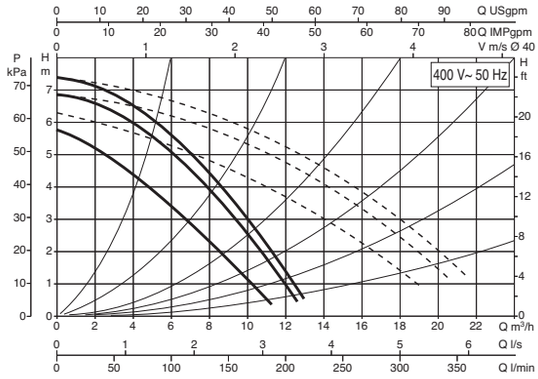
DPH 60/250.40 M



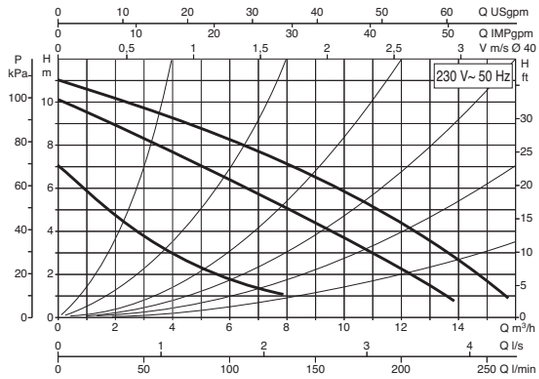
BPH 60/250.40 T



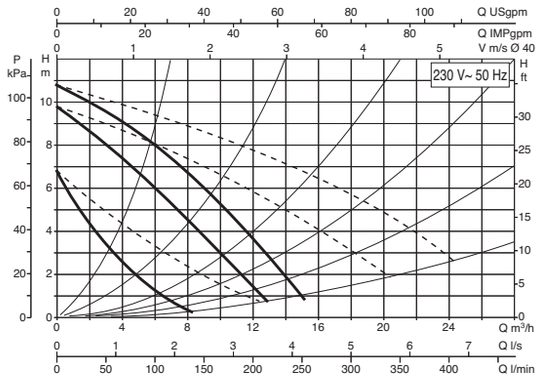
DPH 60/250.40 T



BPH 120/250.40 M

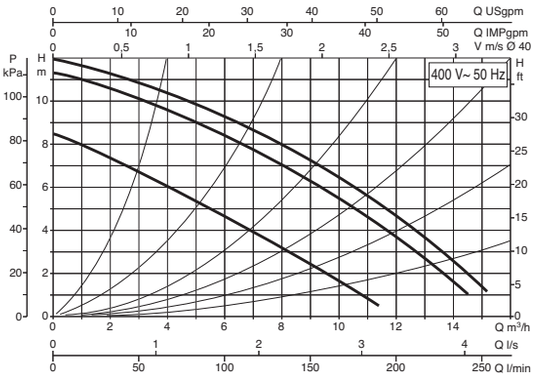


DPH 120/250.40 M

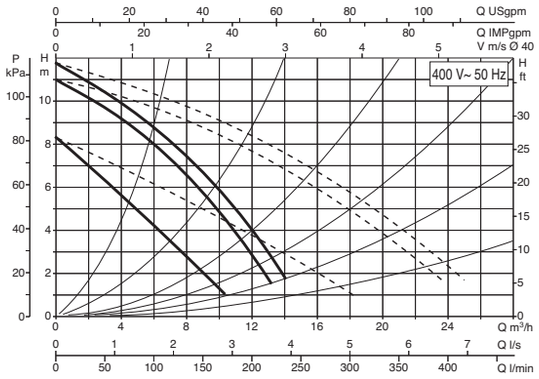


380 V~ - 400 V~

BPH 120/250.40 T



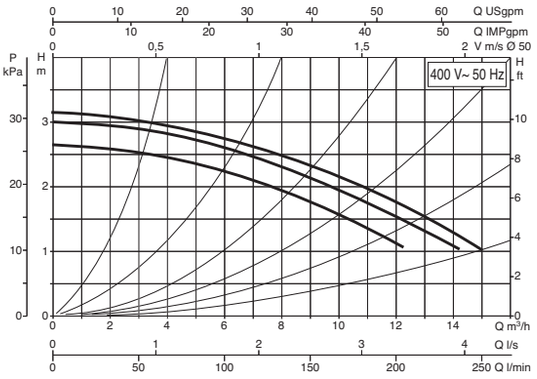
DPH 120/250.40 T



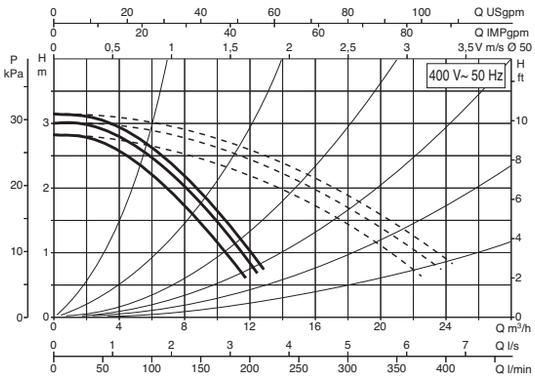
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH
WET ROTOR CIRCULATORS

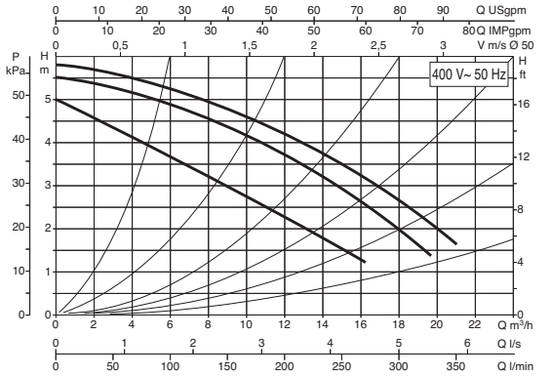
BMH 30/280.50 T



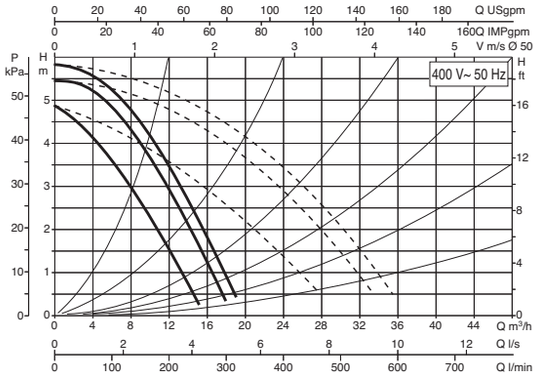
DMH 30/280.50 T



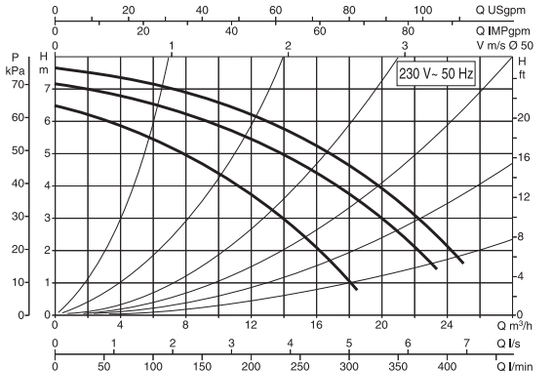
BMH 60/280.50 T



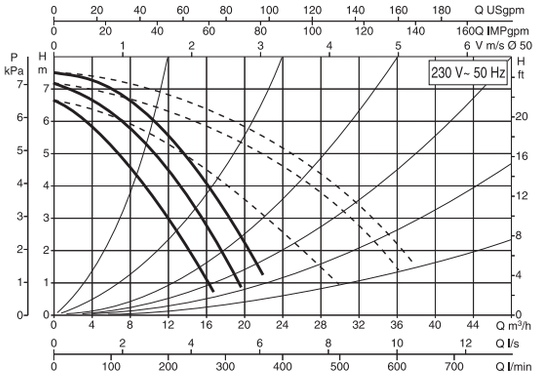
DMH 60/280.50 T



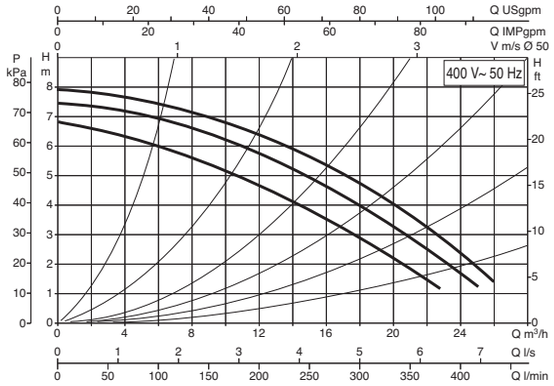
BPH 60/280.50 M



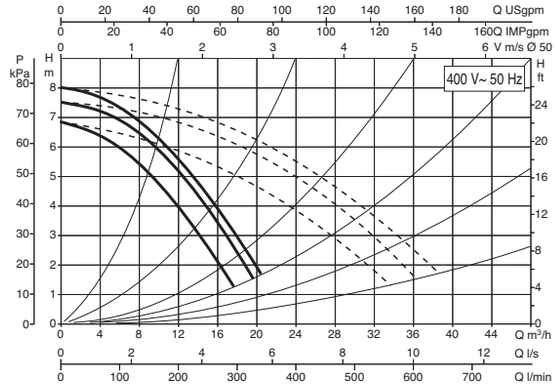
DPH 60/280.50 M



BPH 60/280.50 T



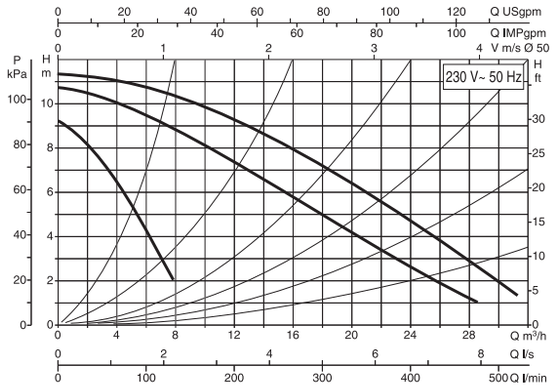
DPH 60/280.50 T



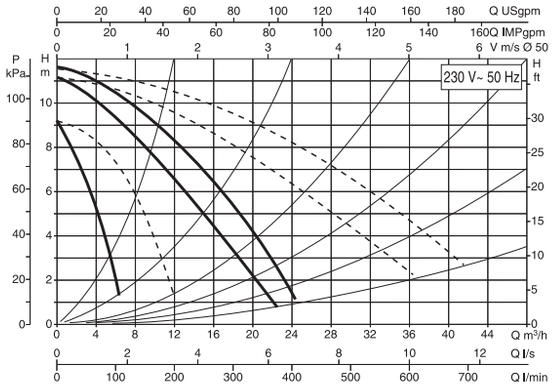
The Hydraulic values refer to one motor

380 V~ - 400 V~

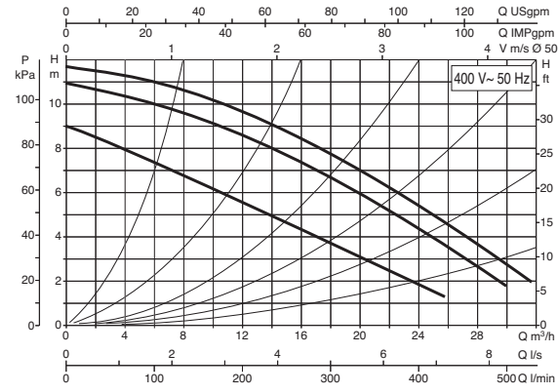
BPH 120/280.50 M



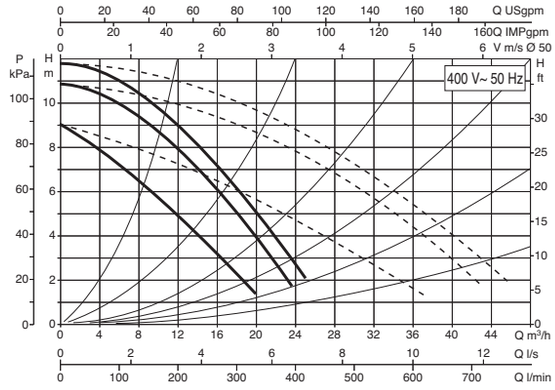
DPH 120/280.50 M



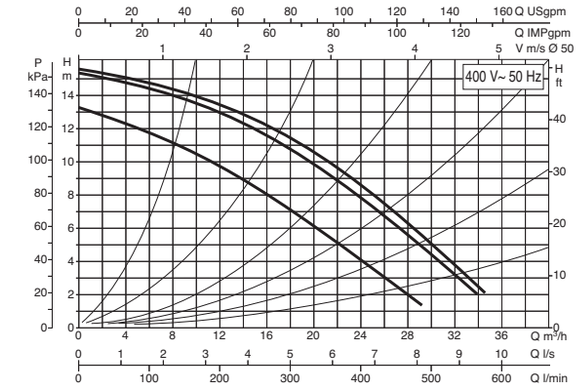
BPH 120/280.50 T



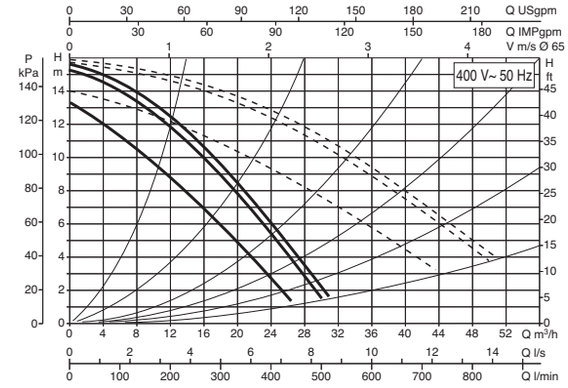
DPH 120/280.50 T



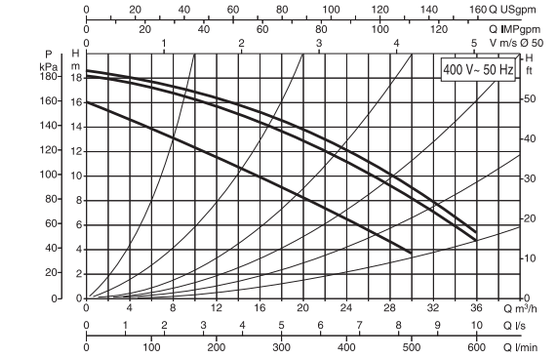
BPH 150/280.50 T



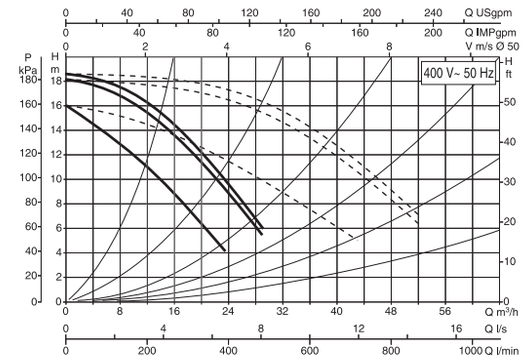
DPH 150/280.50 T



BPH 180/280.50 T



DPH 180/280.50 T

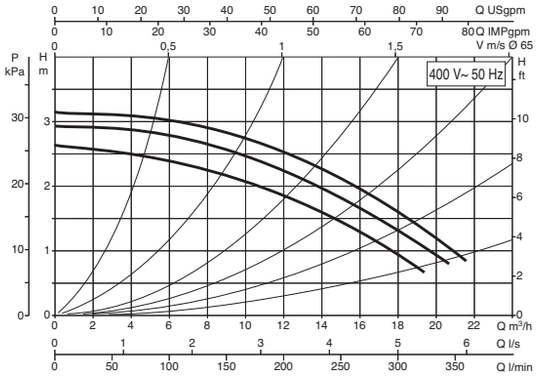


The Hydraulic values refer to one motor

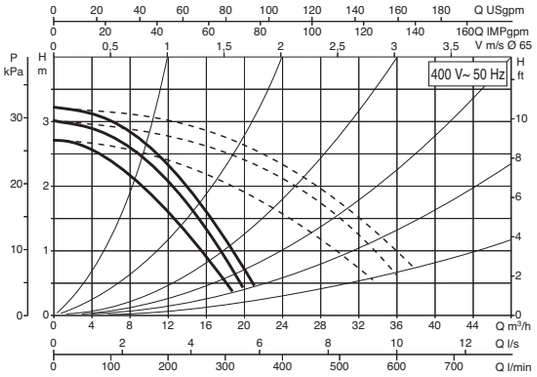
DPH - DMH - BPH - BMH
WET ROTOR CIRCULATORS

380 V~ - 400 V~

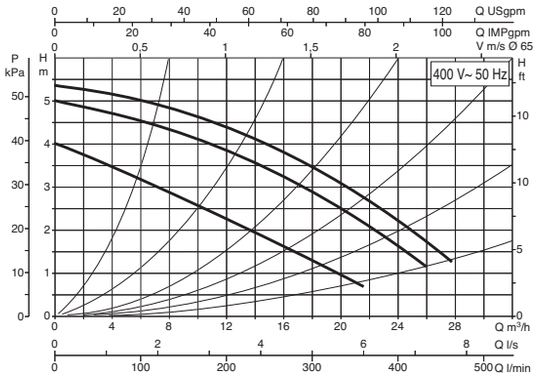
BMH 30/340.65 T



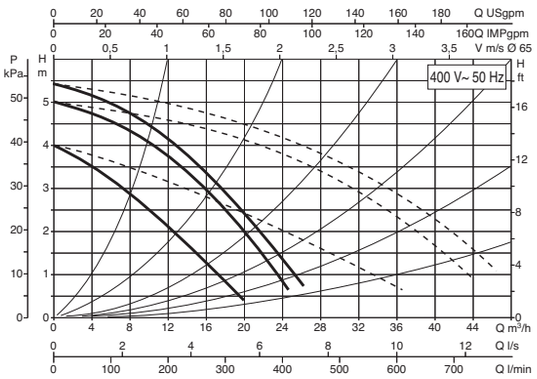
DMH 30/340.65 T



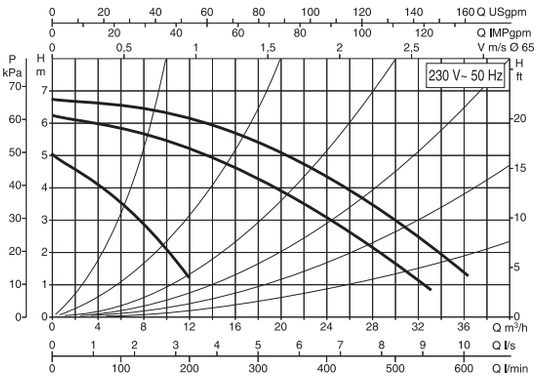
BMH 60/340.65 T



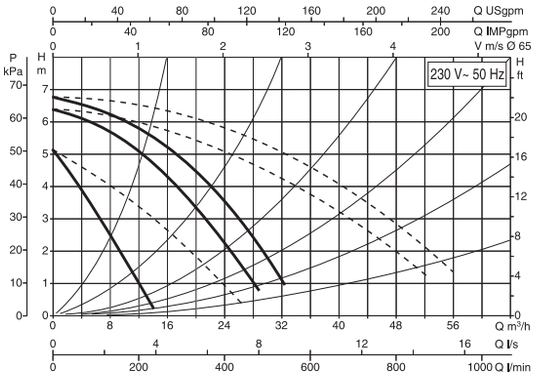
DMH 60/340.65 T



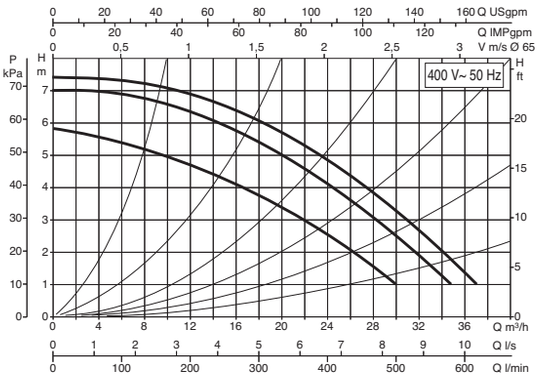
BPH 60/340.65 M



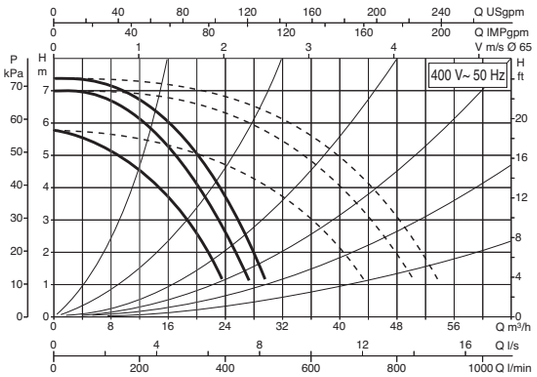
DPH 60/340.65 M



BPH 60/340.65 T



DPH 60/340.65 T



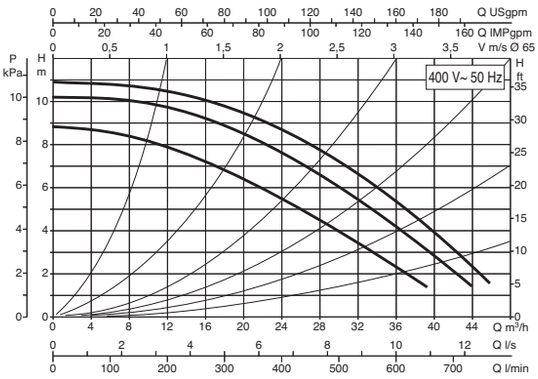
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

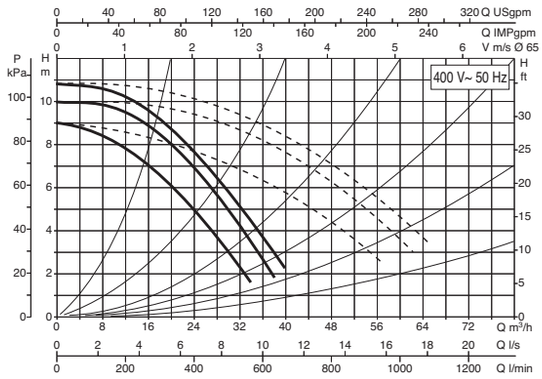
WET ROTOR CIRCULATORS

380 V~ - 400 V~

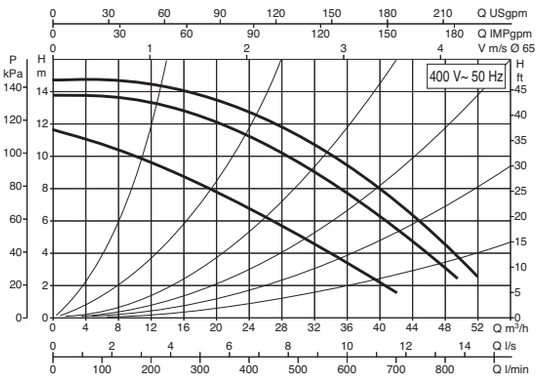
BPH 120/340.65 T



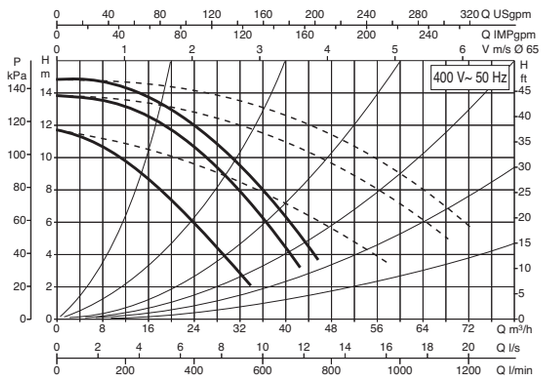
DPH 120/340.65 T



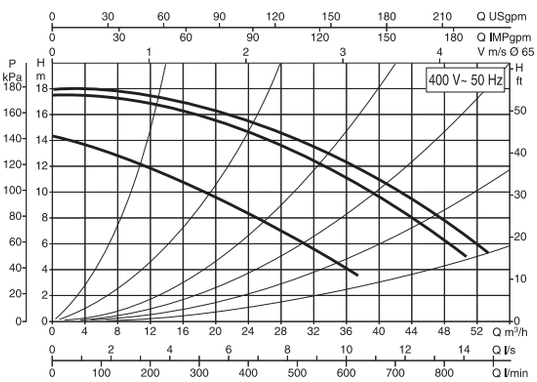
BPH 150/340.65 T



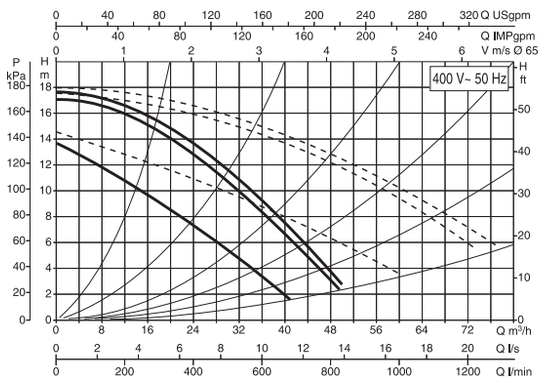
DPH 150/340.65 T



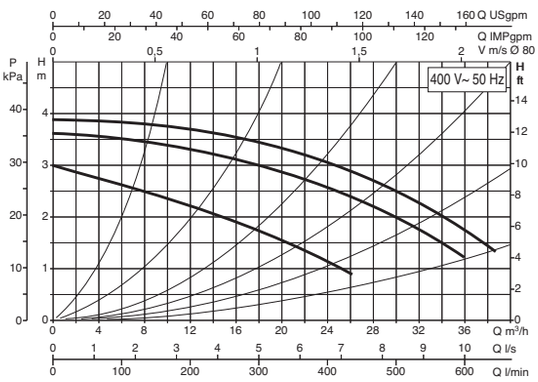
BPH 180/340.65 T



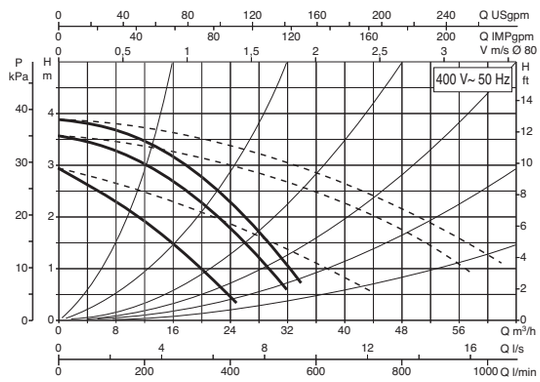
DPH 180/340.65 T



BMH 30/360.80 T



DMH 30/360.80 T



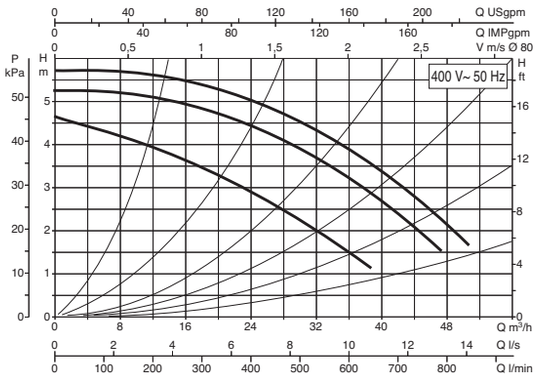
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

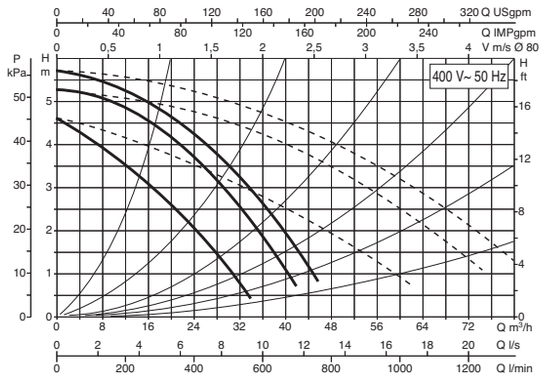
WET ROTOR CIRCULATORS

380 V~ - 400 V~

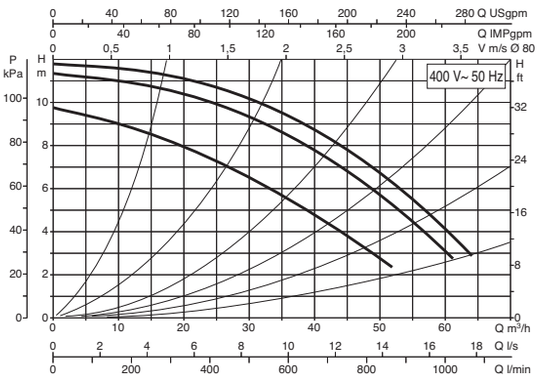
BMH 60/360.80 T



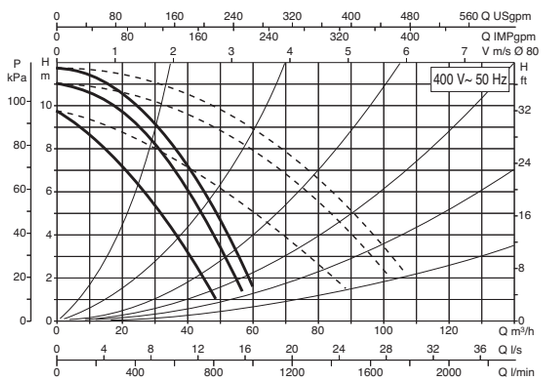
DMH 60/360.80 T



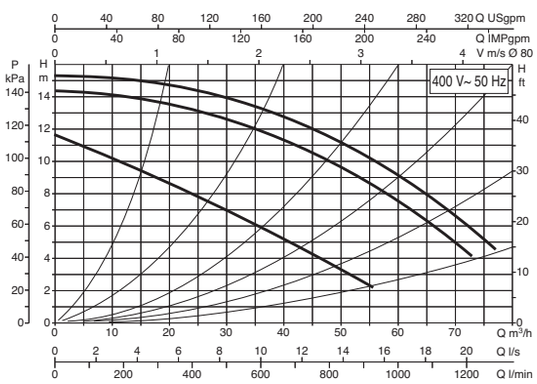
BPH 120/360.80 T



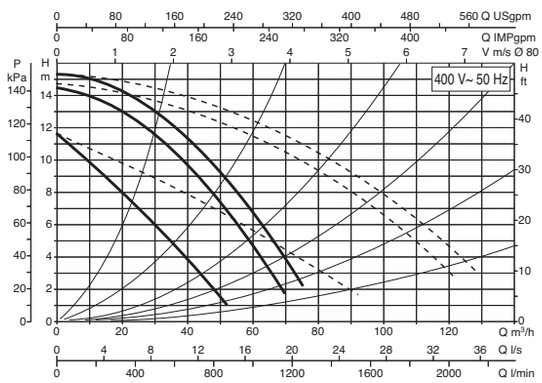
DPH 120/360.80 T



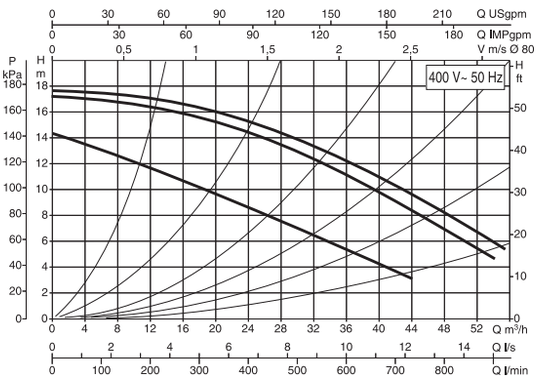
BPH 150/360.80 T



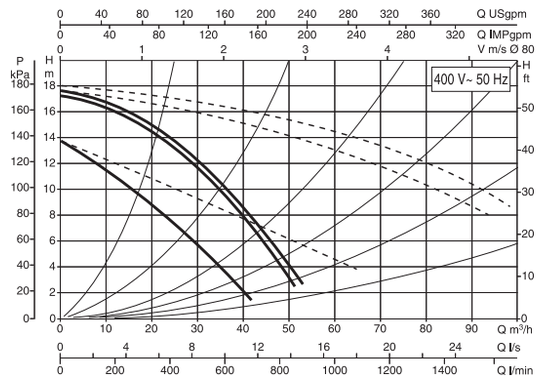
DPH 150/360.80



BPH 180/360.80 T



DPH 180/360.80 T



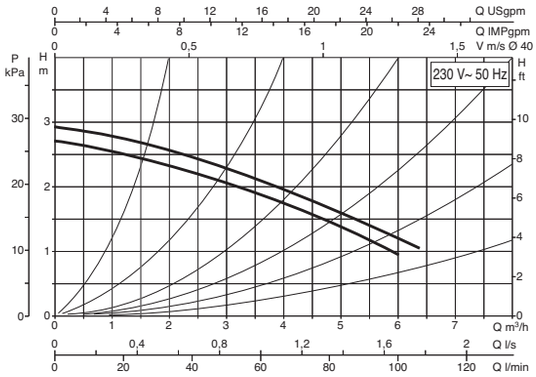
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

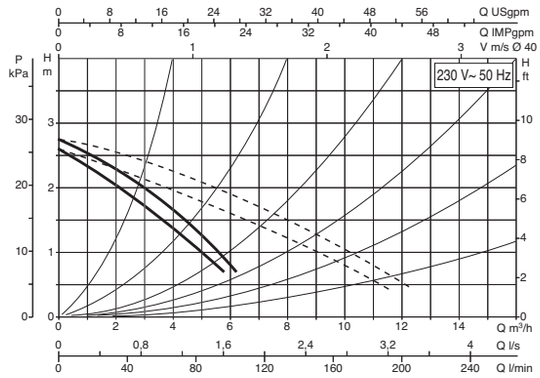
WET ROTOR CIRCULATORS

220 V~ - 230 V~

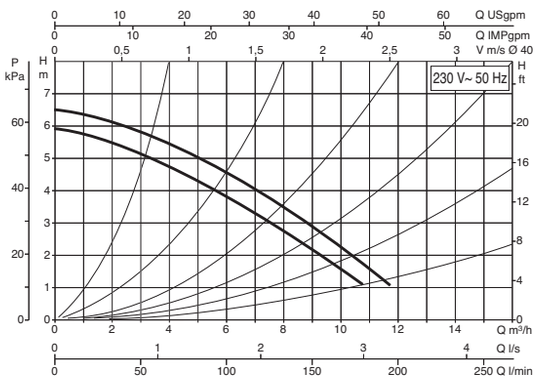
BMH 30/250.40 T



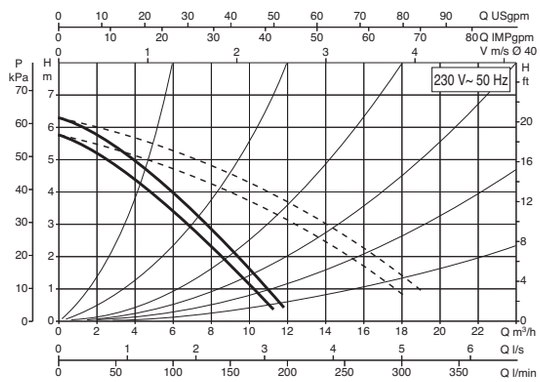
DMH 30/250.40 T



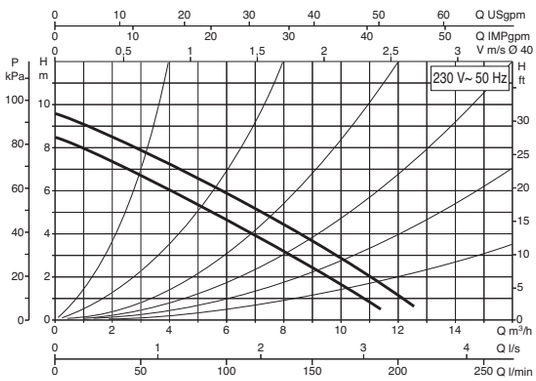
BPH 60/250.40 T



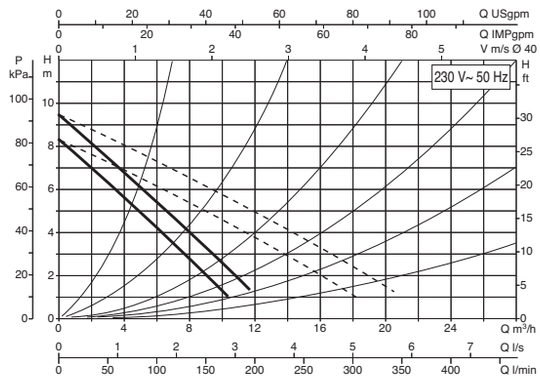
DPH 60/250.40 T



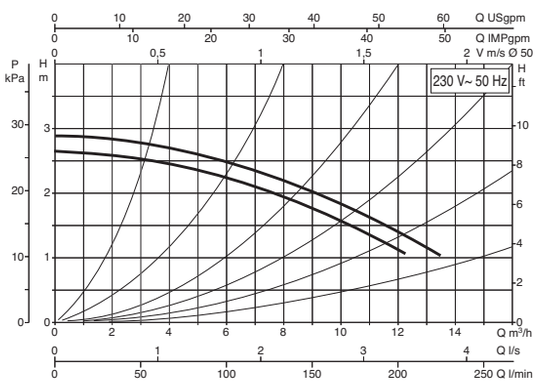
BPH 120/250.40 T



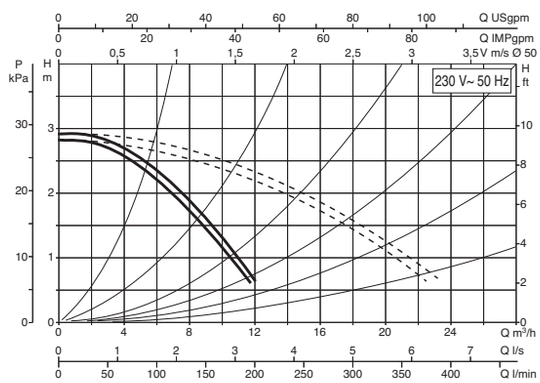
DPH 120/250.40 T



BMH 30/280.50 T



DMH 30/280.50 T



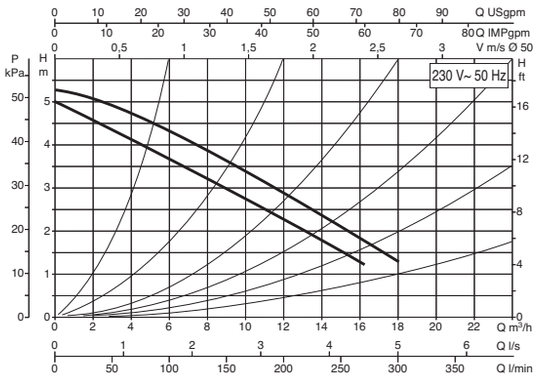
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

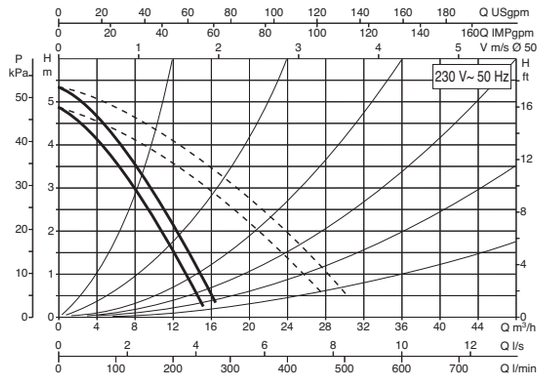
WET ROTOR CIRCULATORS

220 V~ - 230 V~

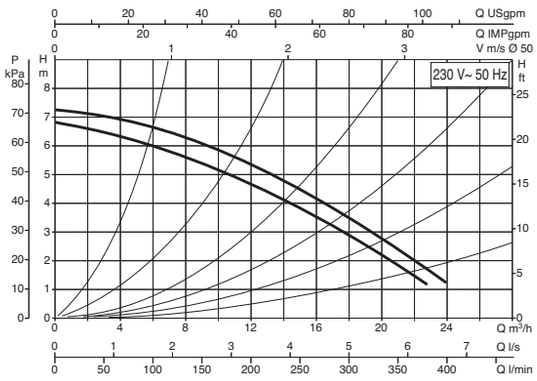
BMH 60/280.50 T



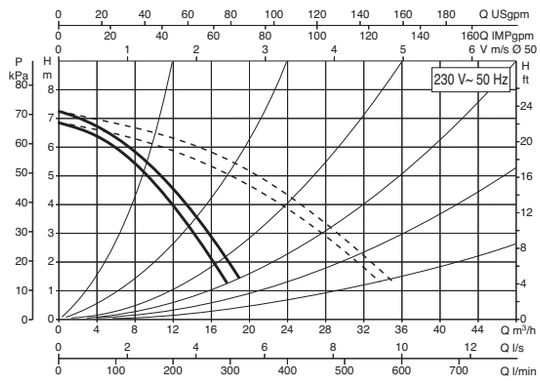
DMH 60/280.50 T



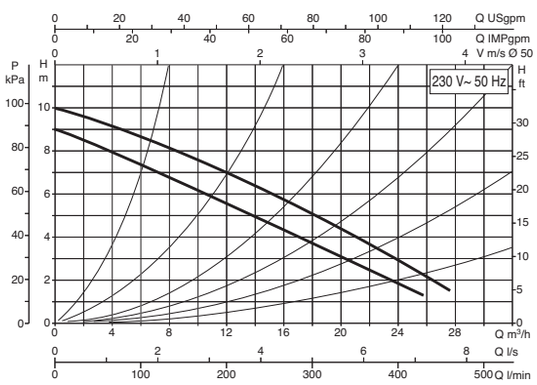
BPH 60/280.50 T



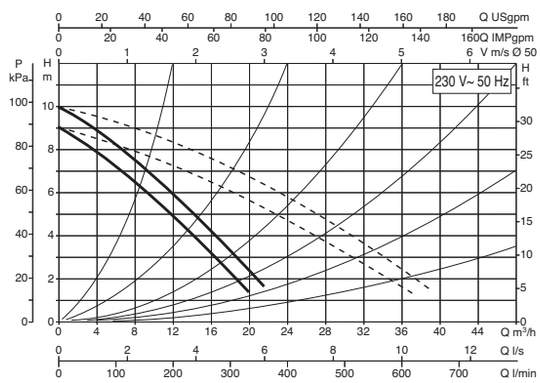
DPH 60/280.50 T



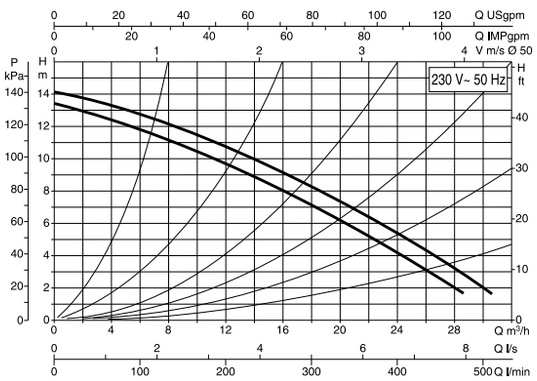
BPH 120/280.50 T



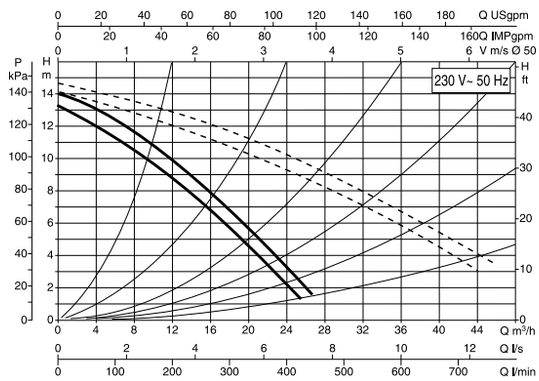
DPH 120/280.50 T



BPH 150/280.50 T



DPH 150/280.50 T



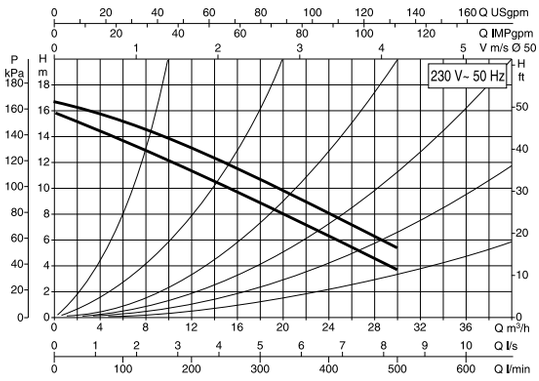
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

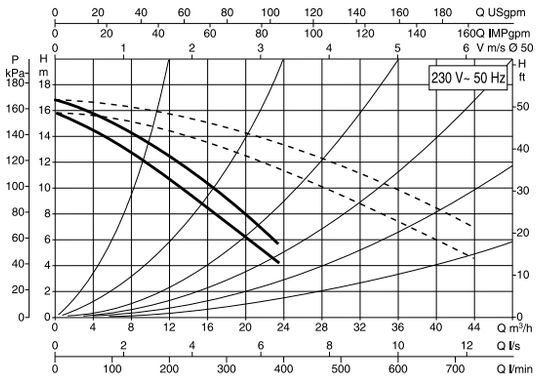
WET ROTOR CIRCULATORS

220 V~ - 230 V~

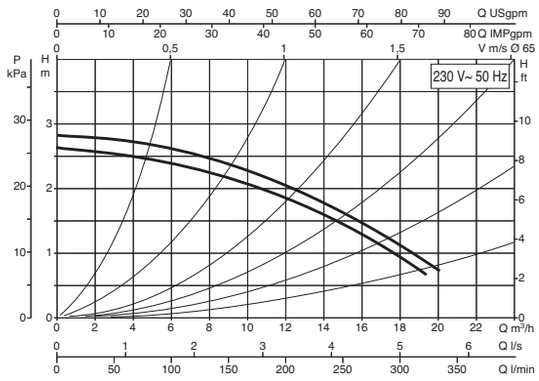
BMH 180/280.50 T



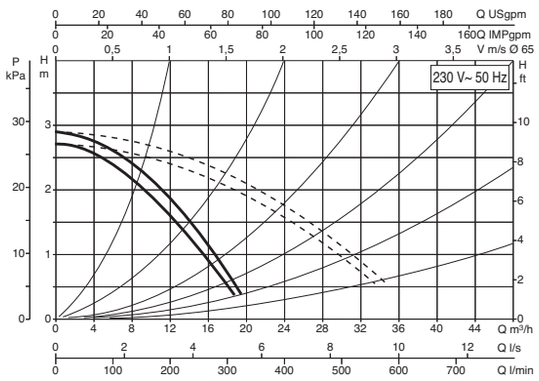
DMH 180/280.50 T



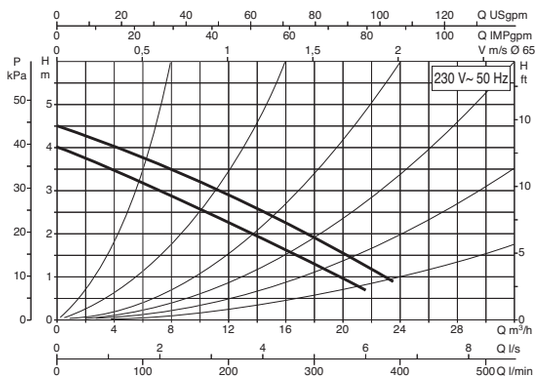
BMH 30/340.65 T



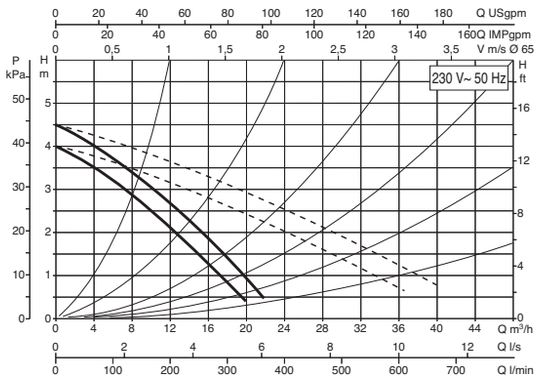
DMH 30/340.65 T



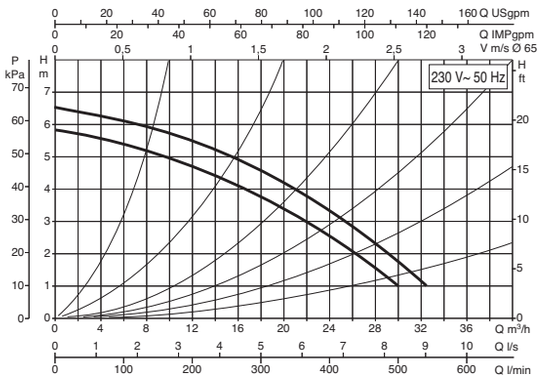
BMH 60/340.65 T



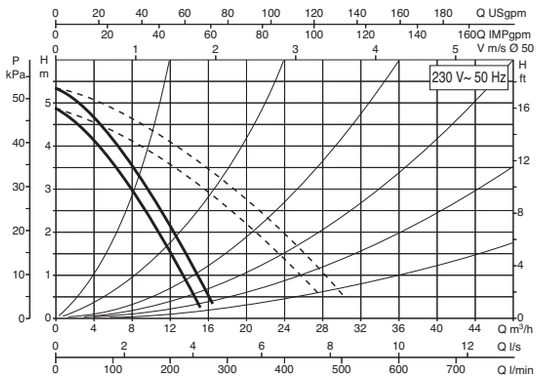
DMH 60/340.65 T



BPH 60/340.65 T



DPH 60/340.65 T



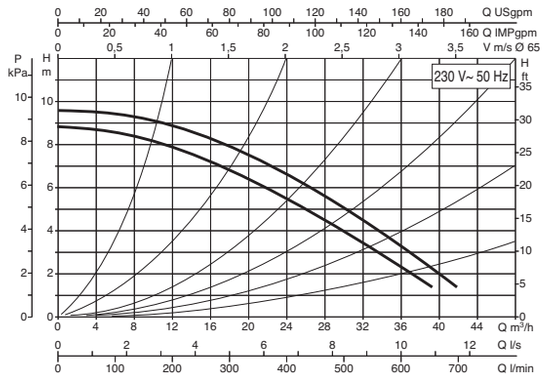
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

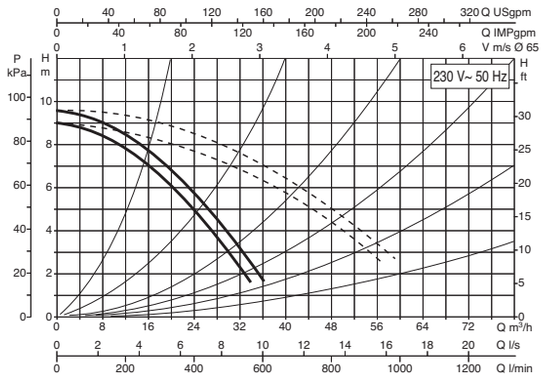
WET ROTOR CIRCULATORS

220 V~ - 230 V~

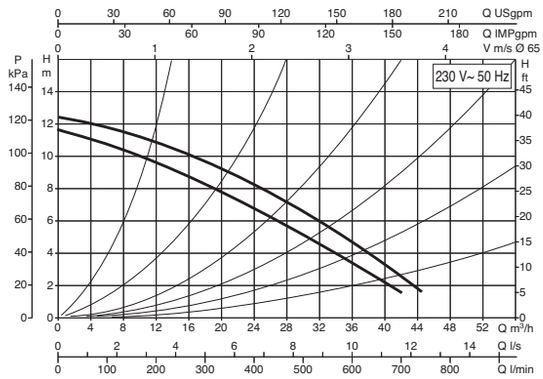
BPH 120/340.65 T



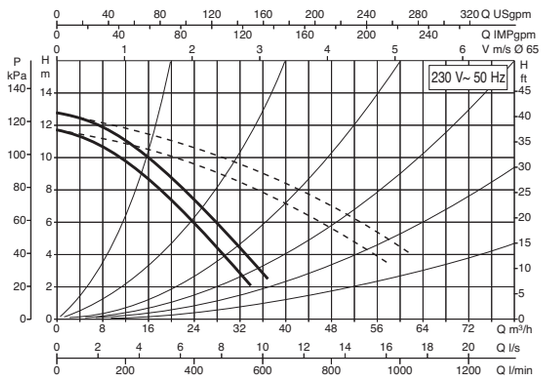
DPH 120/340.65 T



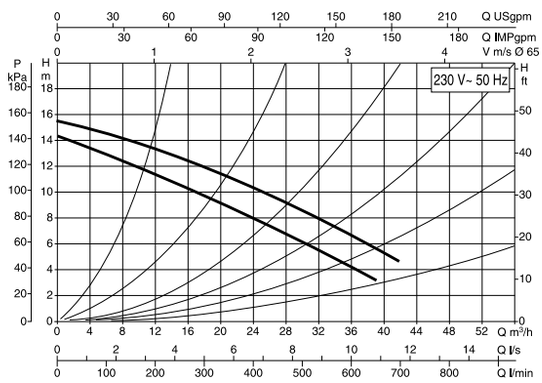
BPH 150/340.65 T



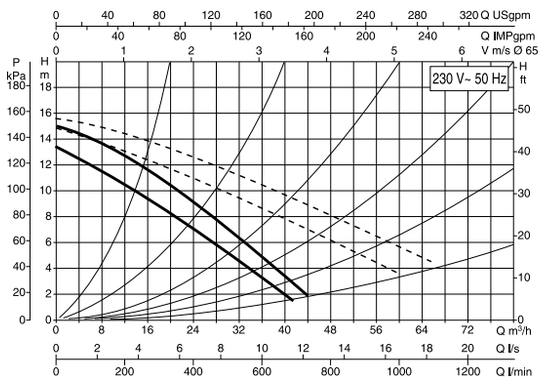
DPH 150/340.65 T



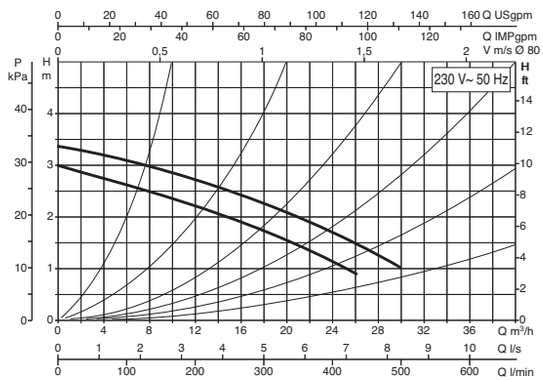
BPH 180/340.65 T



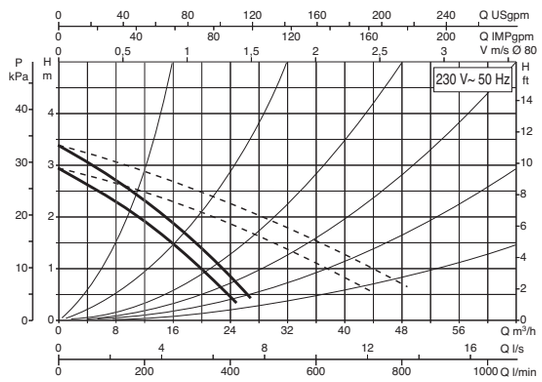
DPH 180/340.65 T



BMH 30/360.80 T



DMH 30/360.80 T



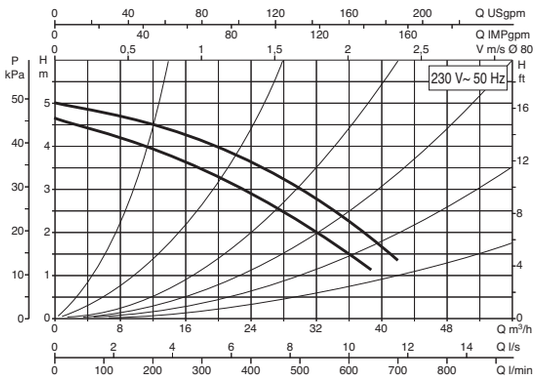
The Hydraulic values refer to one motor

DPH - DMH - BPH - BMH

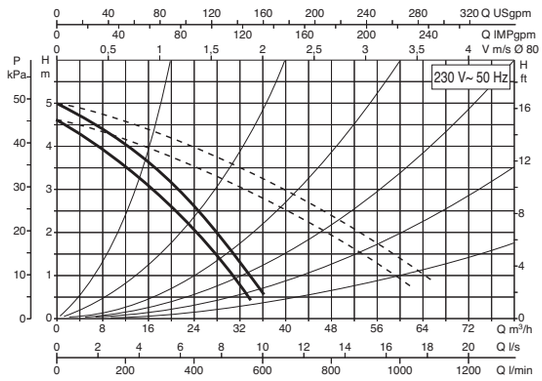
WET ROTOR CIRCULATORS

220 V~ - 230 V~

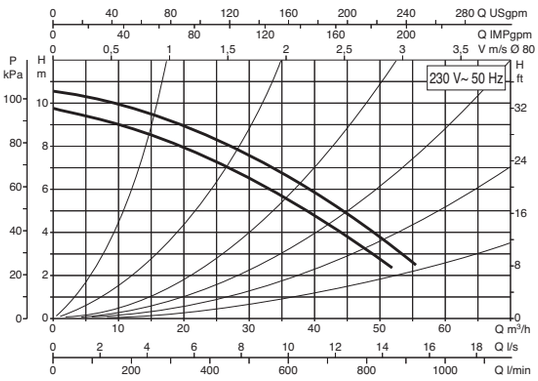
BMH 60/360.80



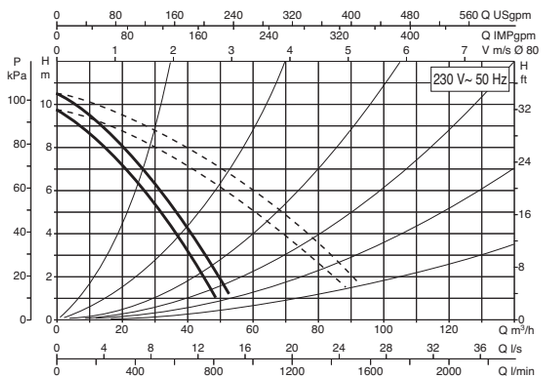
DMH 60/360.80



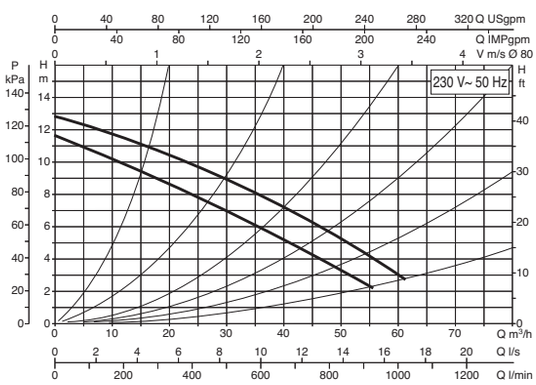
BPH 120/360.80 T



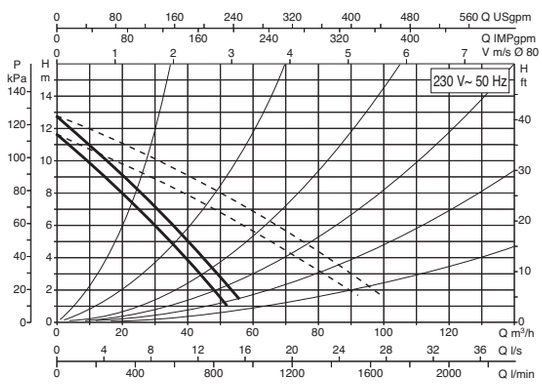
DPH 120/360.80 T



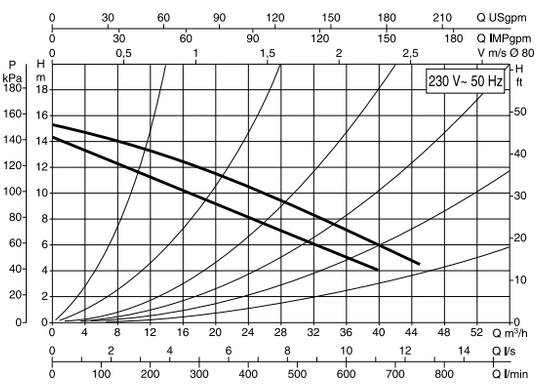
BPH 150/360.80 T



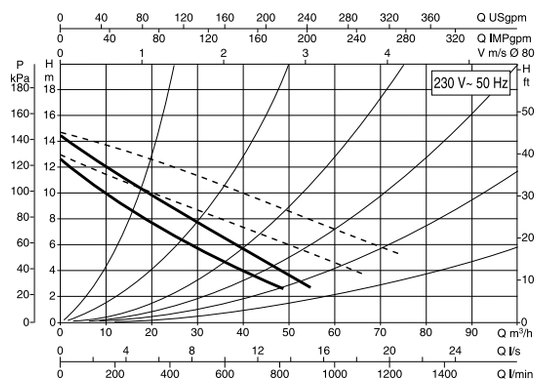
DPH 150/360.80 T



BPH 180/360.80 T



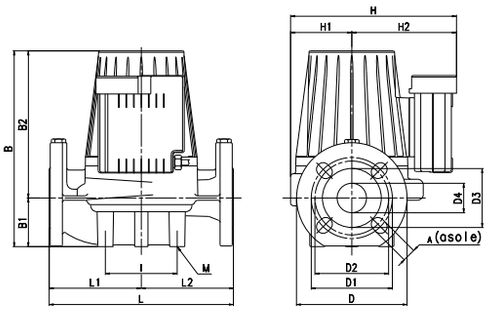
DPH 180/360.80 T



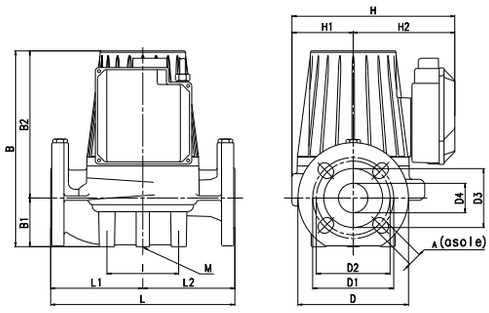
The Hydraulic values refer to one motor

DIMENSIONS AND WEIGHTS - *SINGLE WITH OVAL FLANGES*

BMH - BPH...M



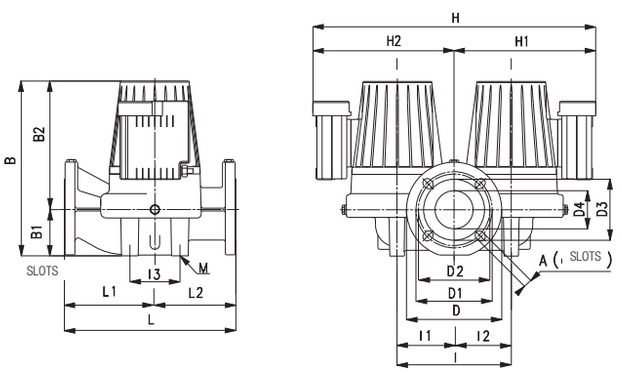
BMH - BPH...T



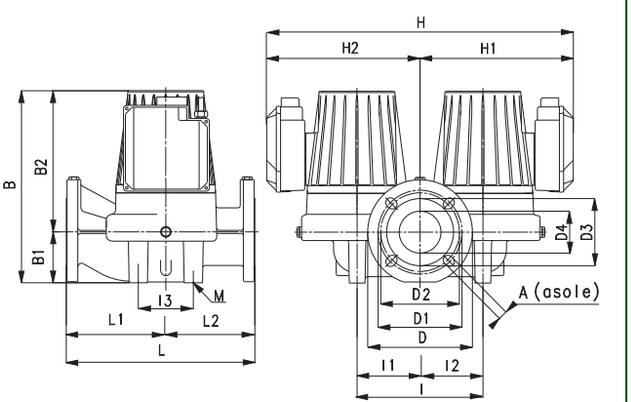
MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	I	M	H	H1	H2	WEIGHT Kg	Q.TY X PALLET
BMH 30/250.40 T	250	125	125	18	266	66	200	150	110	100	80	40	100	M10	221	83	138	17,5	24
BPH 60/250.40 M	250	125	125	18	266	66	200	150	110	100	80	40	100	M10	221	83	138	17,5	24
BPH 60/250.40 T	250	125	125	18	266	66	200	150	110	100	80	40	100	M10	221	83	138	17,5	24
BPH 120/250.40 M	250	125	125	18	266	66	200	150	110	100	80	40	100	M10	221	83	138	17,5	24
BPH 120/250.40 T	250	125	125	18	266	66	200	150	110	100	80	40	100	M10	221	83	138	17,5	24
BMH 30/280.50T	280	140	140	18	312	73	239	165	125	110	90	50	100	M10	254	96	158	24	24
BMH 60/280.50T	280	140	140	18	312	73	239	165	125	110	90	50	100	M10	254	96	158	24	24
BPH 60/280.50 M	280	140	140	18	312	73	239	165	125	110	90	50	100	M10	254	156	158	24	24
BPH 60/280.50 T	280	140	140	18	312	73	239	165	125	110	90	50	100	M10	254	156	158	24	24
BPH 120/280.50 M	280	140	140	18	312	73	239	165	125	110	90	50	100	M10	254	96	158	24	24
BPH 120/280.50 T	280	140	140	18	312	73	239	165	125	110	90	50	100	M10	254	96	158	26	24
BPH 150/280.50 T	280	140	140	18	362	73	289	165	125	110	90	50	100	M10	254	96	158	26	24
BPH 180/280.50 T	280	140	140	18	362	73	289	165	125	110	90	50	100	M10	254	96	158	26	24
BMH 30/340.65 T	340	170	170	18	334	82	252	185	145	130	110	65	100	M12	259	100	159	27,5	12
BMH 60/340.65 T	340	170	170	18	334	82	252	185	145	130	110	65	100	M12	259	100	159	27,5	12
BPH 60/340.65 M	340	170	170	18	334	82	252	185	145	130	110	65	100	M12	259	100	159	27,5	12
BPH 60/340.65 T	340	170	170	18	334	82	252	185	145	130	110	65	100	M12	259	100	159	30,5	12
BPH 120/340.65 T	340	170	170	18	384	82	302	185	145	130	110	65	100	M12	259	100	159	32,5	12
BPH 150/340.65 T	340	170	170	18	384	82	302	185	145	130	110	65	100	M12	259	100	159	32,5	12
BPH 180/340.65 T	340	170	170	18	384	82	302	185	145	130	110	65	100	M12	259	100	159	32,5	12
BMH 30/360.80 T	360	170	190	18	354	97	254	200	160	150	130	80	115	M12	297	100	159	31	12
BMH 60/360.80 T	360	170	190	18	404	97	307	200	160	150	130	80	115	M12	259	100	159	40	12
BPH 120/360.80 T	360	170	190	18	404	97	307	200	160	150	130	80	115	M12	259	100	159	40	12
BPH 150/360.80 T	360	170	190	18	404	97	307	200	160	150	130	80	115	M12	259	100	159	40	12
BPH 180/360.80 T	360	170	190	18	404	97	307	200	160	150	130	80	115	M12	259	100	159	40	12

DIMENSIONS AND WEIGHTS - *TWIN WITH OVAL FLANGES*

DMH - DPH...M



DMH - DPH...T

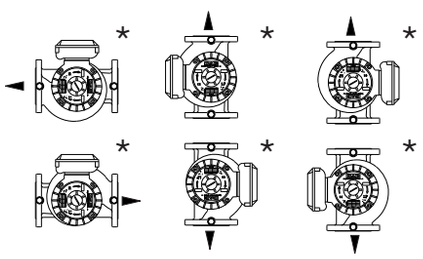
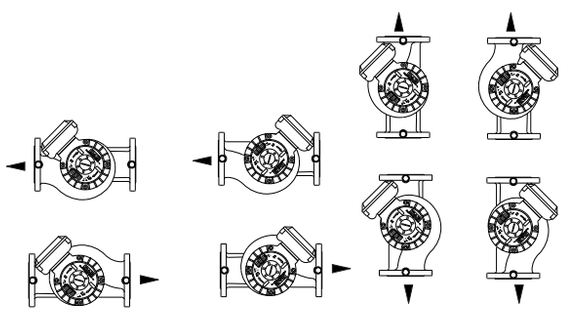


MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	I	I1	I2	I3	M	H	H1	H2	WEIGHT Kg	Q.TY X PALLET
DMH 30/250.40 T	250	105	145	18	271	66	205	150	110	100	80	40	200	100	100	100	M12	476	238	238	32	12
DPH 60/250.40 M	250	105	145	18	271	66	205	150	110	100	80	40	200	100	100	100	M12	476	238	238	32	12
DPH 60/250.40 T	250	105	145	18	271	66	205	150	110	100	80	40	200	100	100	100	M12	476	238	238	32	12
DPH 120/250.40 M	250	105	145	18	271	66	205	150	110	100	80	40	200	100	100	100	M12	476	238	238	32	12
DPH 120/250.40 T	250	105	145	18	271	66	205	150	110	100	80	40	200	100	100	100	M12	476	238	238	32	12
DMH 30/280.50 T	280	130	150	18	305	73	232	165	125	110	90	50	240	120	120	120	M14	552	276	276	51,5	8
DMH 60/280.50 T	280	130	150	18	305	73	235	165	125	110	90	50	240	120	120	120	M14	556	278	278	44,5	8
DPH 60/280.50 M	280	130	150	18	308	73	235	165	125	110	90	50	240	120	120	120	M14	554	278	278	44,5	8
DPH 60/280.50 T	280	130	150	18	308	73	235	165	125	110	90	50	240	120	120	120	M14	554	278	278	44,5	8
DPH 120/280.50 M	280	130	150	18	308	73	235	165	125	110	90	50	240	120	120	120	M14	556	278	278	44,5	8
DPH 120/280.50 T	280	130	150	18	308	73	235	165	125	110	90	50	240	120	120	120	M14	556	278	278	49	8
DPH 150/280.50 T	280	130	150	18	358	73	285	165	125	110	90	50	240	120	120	120	M14	556	278	278	49	8
DPH 180/280.50 T	280	130	150	18	358	73	285	165	125	110	90	50	240	120	120	120	M14	556	278	278	49	6
DMH 30/340.65 T	340	138,5	201,5	18	328	82	246	185	145	130	110	65	240	120	120	140	M14	476	238	238	57	8
DMH 60/340.65 T	340	138,5	201,5	18	331	82	249	185	145	130	110	65	240	120	120	140	M14	476	238	238	50	8
DPH 60/340.65 M	340	138,5	201,5	18	331	82	249	185	145	130	110	65	240	120	120	140	M14	476	238	238	50	8
DPH 60/340.65 T	340	138,5	201,5	18	331	82	249	185	145	130	110	65	240	120	120	140	M14	476	238	238	54,5	8
DPH 120/340.65 T	340	138,5	201,5	18	381	82	299	185	145	130	110	65	240	120	120	140	M14	476	238	238	59	8
DPH 150/340.65 T	340	138,5	201,5	18	381	82	299	185	145	130	110	65	240	120	120	140	M14	476	238	238	59	8
DPH 180/340.65 T	340	138,5	201,5	18	381	82	299	185	145	130	110	65	240	120	120	130	M14	476	238	238	59	8
DMH 30/360.80 T	360	160	200	18	345	97	248	200	160	150	130	80	240	120	120	150	M14	480	240	240	54,5	8
DMH 60/360.80 T	360	160	200	18	390	97	298	200	160	150	130	80	240	120	120	150	M14	480	240	240	72	8
DPH 120/360.80 T	360	160	200	18	390	97	298	200	160	150	130	80	240	120	120	150	M14	480	240	240	72	8
DPH 150/360.80 T	360	160	200	18	390	97	298	200	160	150	130	80	240	120	120	150	M14	480	240	240	72	8
DPH 180/360.80 T	360	160	200	18	390	97	298	200	160	150	130	80	240	120	120	150	M14	480	240	240	72	8

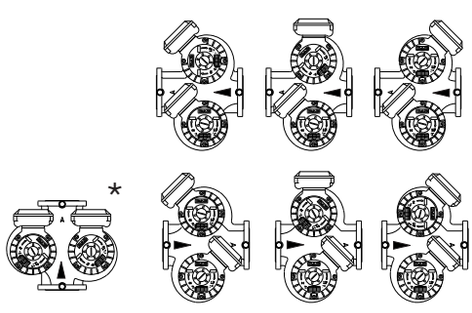
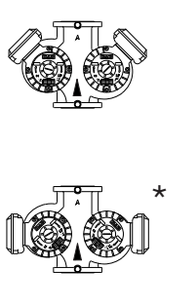
DAB PUMPS reserves the right to make modifications without notice

POSITION OF TERMINAL BOARD - BMH - BPH - DMH - DPH

SINGLE

DN 40-50-65-80	DN 65-80
	

TWIN

DN 65-80	DN 40-50-65-80
	

* For installation in air-conditioning systems only use the circulator in the terminal board positions marked with the asterisk.

IN-LINE CONSTANT PRESSURE PUMPS
PERFORMANCE RANGE

ALME - ALPE - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m3/h)	0	1,2	2,4	3,6	4,8	6	7,2	8,4
	kW	HP	(l/min)	0	20	40	60	80	100	120	140
ALME 500 M MCE11/C	0,25	0,33	H (m)	5,5	5,4	5,3	4,8	4,1	3	1,5	
ALPE 2000 M MCE11/C	0,55	0,75		21,1	20,6	19,6	18	16	13,8	10,5	5,3

KLPE - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m3/h)	0	7,2	8,4	9,6	12	18	30	36	48
	kW	HP	(l/min)	0	120	140	160	200	300	500	600	800
KLPE 40- 600 M MCE11/C	0,37	0,5	H (m)	8,2	6,9	6,3	5,7	4				
KLPE 40-1200 M MCE11/C	0,55	0,75		13,7	11,9	11,2	10,4	8,4				
KLME 50-600 M MCE11/C	0,25	0,33		5,4	4,7	4,5	4,3	3,8	2			
KLPE 50-1200 M MCE11/C	0,75	1		12	11,8	11,6	11	10,5	8,6			
KLME 65-600 M MCE11/C	0,37	0,5		5,5		5,3	5	4,7	3,8			
KLPE 65-1200 M MCE11/C	1,1	1,5		12				11,6	11	8,8	6,7	
KLME 80-600 M MCE11/C	0,75	1		5,7					5,7	5	4,3	2,5
KLPE 80-1200 M MCE22/C	1,84	2,5		11,8						11,5	11	9,7

DKLME - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m3/h)	0	7,2	8,4	9,6	12	18	30	36	48
	kW	HP	(l/min)	0	120	140	160	200	300	500	600	800
DKLPE 40- 600 M MCE11/C	0,37	0,5	H (m)	8,2	6,9	6,3	5,7	4				
DKLPE 40-1200 M MCE11/C	0,55	0,75		13,7	11,9	11,2	10,4	8,4				
DKLME 50-600 M MCE11/C	0,25	0,33		5,4	4,7	4,5	4,3	3,8	2			
DKLPE 50-1200 M MCE11/C	0,75	1		12	11,8	11,6	11	10,5	8,6			
DKLME 65-600 M MCE11/C	0,37	0,5		5,5		5,3	5	4,7	3,8			
DKLPE 65-1200 M MCE11/C	1,1	1,5		12				11,6	11	8,8	6,7	
DKLME 80-600 M MCE11/C	0,75	1		5,7					5,7	5	4,3	2,5
DKLPE 80-1200 M MCE22/C	1,84	2,5		11,8						11,5	11	9,7

ALME - ALPE

IN-LINE CONSTANT PRESSURE PUMPS

NEW

CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS



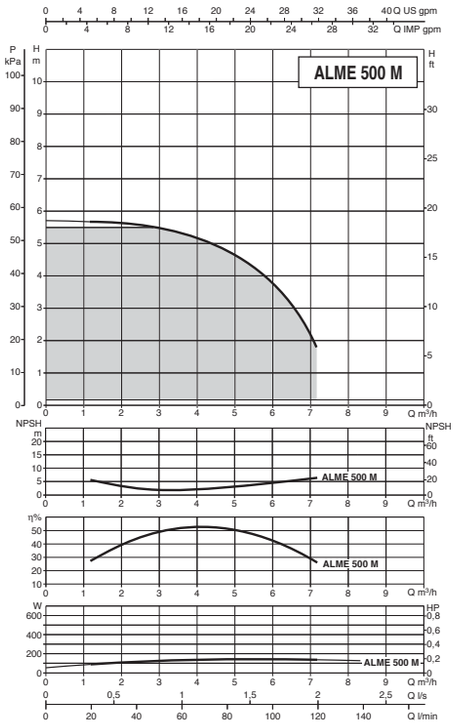
Circulator for hot or cold water with in-line ports, suitable for installation directly on the pipes in civil and industrial heating air conditioning, refrigeration, and domestic water systems. Extremely versatile thanks to the use of the **MCE/C** inverter, the circulator performance is such as to allow automatic adaptation to meet the various requirements of the system, while keeping pressure differentials unchanged.
Pump body and motor support in cast iron.
2" M-GAS inlet and outlet. Impeller in technopolymer, carbon/ceramic mechanical seal.
Four-pole totally enclosed asynchronous motor with external cooling for version **ALME** and two pole motor for version **ALPE**.
Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Constructed following the CEI 2-3 standards

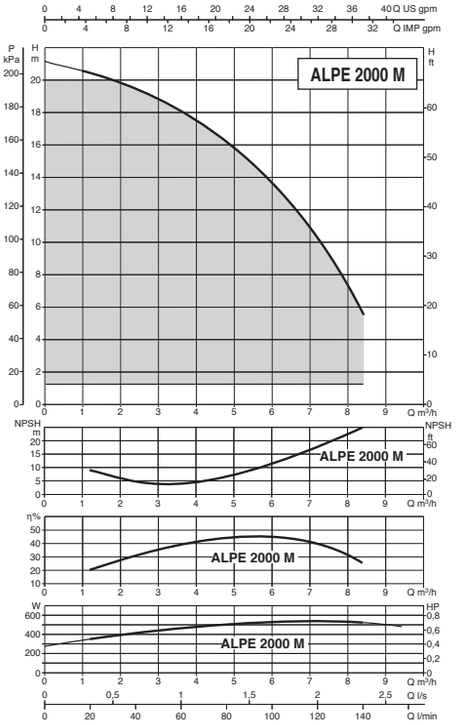
Operating range: from 1 to 8.4 m3/h with head up to 21 meters.
Liquid temperature range: from -15 °C to +120°C.
Liquid quality requirements: clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water – maximum glycol percentage 30 % (for different glycol percentages, please contact the Technical Assistance Service).
Installation: fixed horizontally.
Maximum ambient temperature: +40°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection rating: IP 55.
Insulation class: F.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA							DNA GAS	DNM GAS
		VOLTAGE 50 Hz	MOTOR TYPE	n r.p.m. 1/min	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A		
ALME 500 M MCE11/C*	**60143227**	1x220-240 V ~	4 POLES	1425	0,20	0,25	0,33	1	2" M	2" M
ALPE 2000 M MCE11/C*	**60143228**	1x220-240 V ~	2 POLES	2870	0,69	0,55	0,75	3,7	2" M	2" M

*Three-phase versions available on request

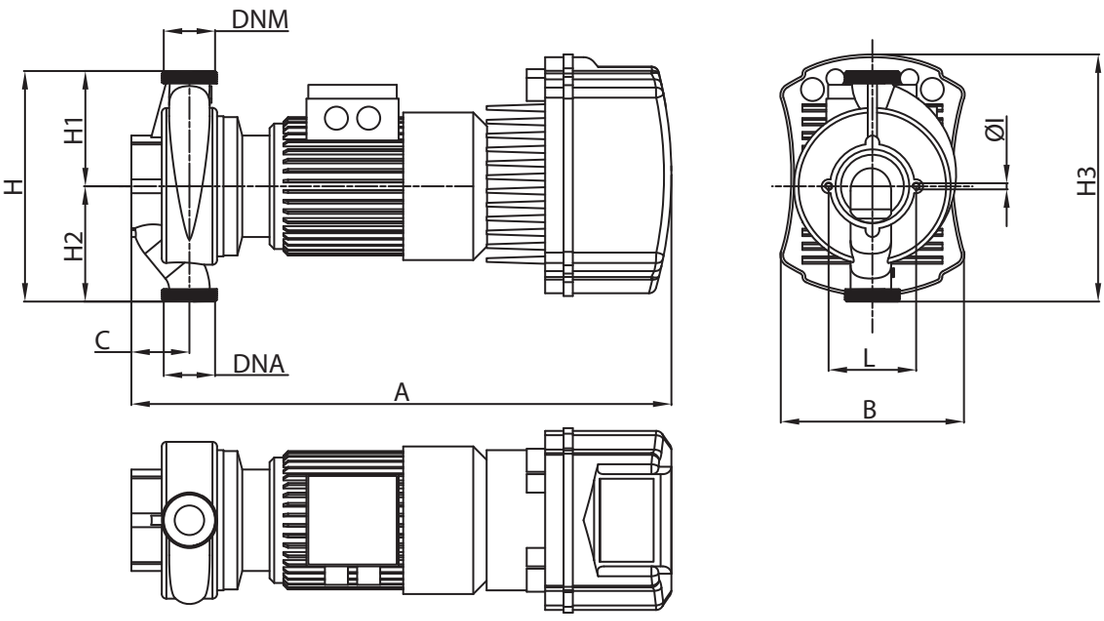




The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

DIMENSIONS AND WEIGHTS

ALME 500 M - ALPE 2000 M



MODEL	A	B	C	L	IØ	H	H1	H2	H3	PACKAGING DIMENSIONS			WEIGHT KG
										L/A	L/B	H	
ALME 500 M MCE11/C	586	200	63	95	8	250	125	125	256	600	234	275	19,5
ALPE 2000 M MCE11/C	586	200	63	95	8	250	125	125	256	600	234	275	19,5

KLME - KLPE / DKLME - DKLPE

IN-LINE CONSTANT PRESSURE PUMPS

NEW



ENERGY EFFICIENCY IE2



CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS

Circulator for hot or cold water with in-line ports, suitable for installation directly on the pipes in civil and industrial heating air conditioning, refrigeration, and domestic water systems. Extremely versatile thanks to the use of the **MCE/C** inverter, the circulator performance is such as to allow automatic adaptation to meet the various requirements of the system, while keeping pressure differentials unchanged.
Pump body and motor support in cast iron.
PN 10 Flanged inlet and delivery mouths, fitted with threaded holes for pressure gauges. To facilitate interchangeability in existing installations, the pump is designed to accept PN 6 counterflanges. Impeller in technopolymer.
Carbon/ceramic mechanical seal.
The pumps are available both in the single version (**KLME-KLPE**) and in the twin version (**DKLME-DKLPE**).
An automatic clapet type valve is incorporated into the delivery mouth of the twin version in order to prevent water from recirculating while the unit is not working. In addition, a set of blank flanges is supplied for use when maintenance of one of the two motors is necessary.
The twin version makes it possible to alternate operation of the pumps when the back-up unit is requested, or simultaneous operation of the two pumps
Four-pole totally enclosed asynchronous motor with fan-over cooling for versions **KLME** and **DKLME** and two pole motor for versions **KLPE** and **DKLPE**.

Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Integral thermal and current overload protection.
Constructed following the CEI 2-3 standards
Operating range: from 0.4 to 5.4 m3/h with head up to 13,7 meters.
Liquid temperature range: from -15 °C to +120°C.
Liquid quality requirements: clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water - maximum glycol percentage 30 % (for different glycol percentages, please contact the Technical Assistance Service).
Installation: normally horizontal or vertical provided the motor is always above the pump.
Maximum ambient temperature: +40°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection rating: IP 55.
Insulation class: F.
Standard flanging: DN 40, DN 50, DN 65, DN 80 in PN 6/PN 10 (4 Holes).
Flanging on request: DN 80 in PN 16 (8 holes).
Counter-flanges on request:
Threaded DN 40, DN 50, DN 65 in PN
With DN 40, DN 50, DN 65, DN 80 welding collar in PN 6
With DN 40, DN 50, DN 65 welding collar in PN 10/PN16 (4 holes) with DN 80 welding collar in PN 10/PN16 (8 holes)

TECHNICAL DATA - SINGLE

MODEL	CODE	ELECTRICAL DATA							DNA	DNM
		VOLTAGE 50 Hz	MOTOR TYPE	n r.p.m. 1/min	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A		
KLPE 40- 600 M MCE11/C	60142750	1x220-240 V ~	2 POLES	2950	0,37	0,37	0,50	4,3	40	40
KLPE 40-1200 M MCE11/C	60142224	1x220-240 V ~	2 POLES	2890	0,63	0,55	0,75	6,0	40	40
KLME 50-600 M MCE11/C	60142751	1x220-240 V ~	4 POLES	1340	0,34	0,25	0,33	4,1	50	50
KLPE 50-1200 M MCE11/C*	60141862	1x220-240 V ~	2 POLES	2890	0,90	0,75	1,00	7,7	50	50
KLME 65-600 M MCE11/C	60143475	1x220-240 V ~	4 POLES	1400	0,38	0,37	0,50	4,3	65	65
KLPE 65-1200 M MCE11/C* [1]	60141861	1x220-240 V ~	2 POLES	2880	1,37	1,10	1,50	10,7	65	65
KLME 80-600 M MCE11/C*	60142752	1x220-240 V ~	4 POLES	1440	0,79	0,75	1,00	7,0	80	80
KLPE 80-1200 M MCE22/C* [1]	60142212	1x220-240 V ~	2 POLES	2840	2,21	1,84	2,50	16,0	80	80

*** NEW IE2 MOTOR**

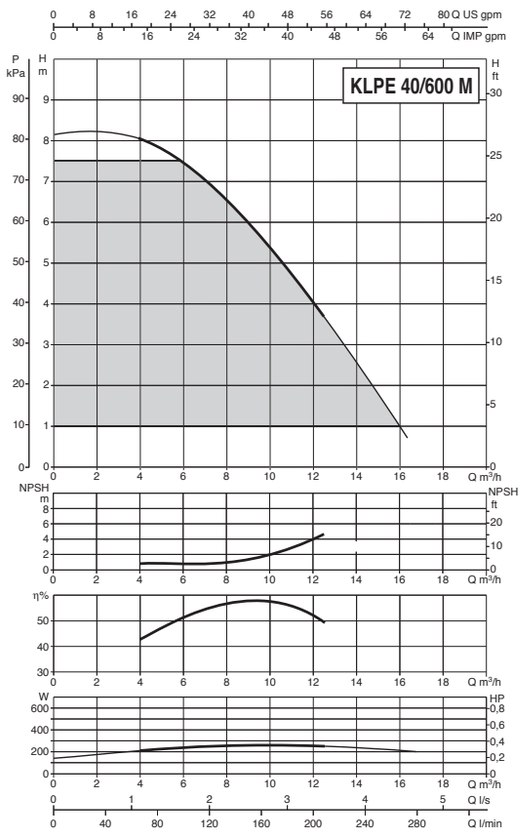
[1] Three-phase versions available on request

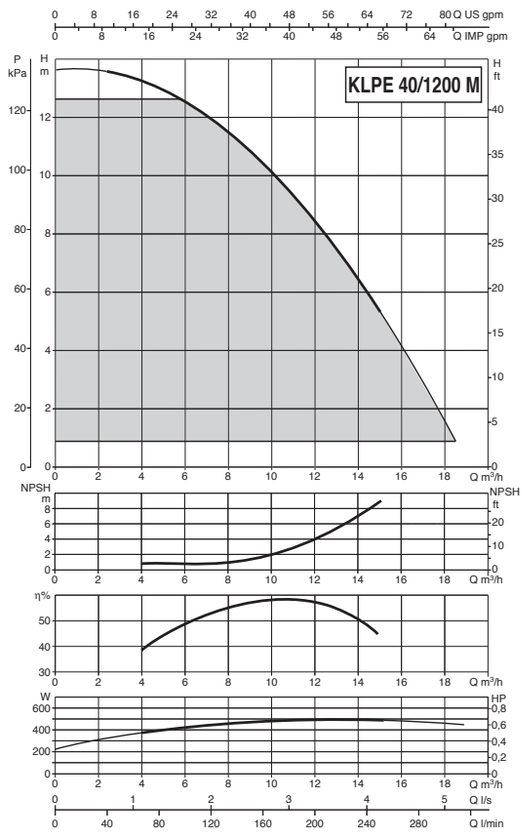
TECHNICAL DATA - TWIN

MODEL	CODE	ELECTRICAL DATA							DNA	DNM
		VOLTAGE 50 Hz	MOTOR TYPE	n r.p.m. 1/min	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A		
DKLPE 40- 600 M MCE11/C	60142753	1x220-240 V ~	2 POLES	2950	0,37	0,37	0,50	4,3	40	40
DKLPE 40-1200 M MCE11/C	60141905	1x220-240 V ~	2 POLES	2890	0,63	0,55	0,75	6,0	40	40
DKLME 50-600 M MCE11/C	60142759	1x220-240 V ~	4 POLES	1340	0,34	0,25	0,33	4,1	50	50
DKLPE 50-1200 M MCE11/C*	60142258	1x220-240 V ~	2 POLES	2890	0,90	0,75	1,00	7,7	50	50
DKLME 65-600 M MCE11/C	60142761	1x220-240 V ~	4 POLES	1400	0,38	0,37	0,50	4,3	65	65
DKLPE 65-1200 M MCE11/C* [1]	60141906	1x220-240 V ~	2 POLES	2880	1,37	1,10	1,50	10,7	65	65
DKLME 80-600 M MCE11/C*	60142763	1x220-240 V ~	4 POLES	1440	0,79	0,75	1,00	7,0	80	80
DKLPE 80-1200 M MCE22/C* [1]	60141907	1x220-240 V ~	2 POLES	2840	2,21	1,84	2,50	16,0	80	80

*** NEW IE2 MOTOR**

[1] Three-phase versions available on request

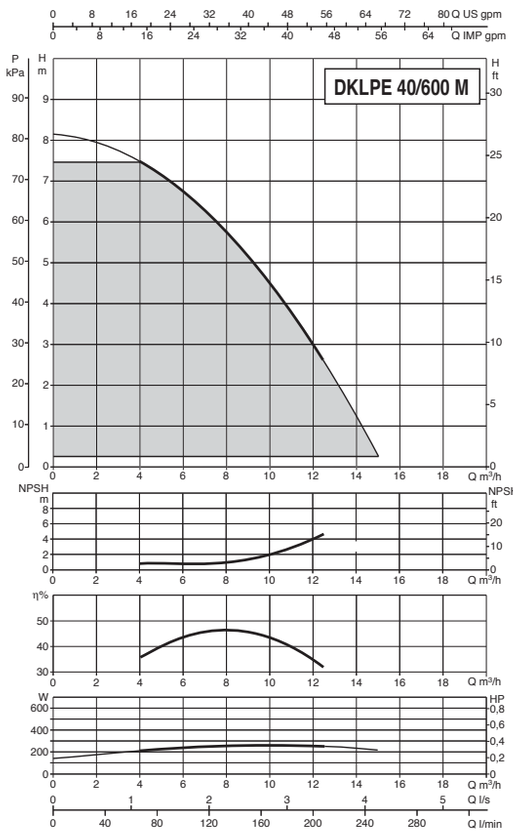


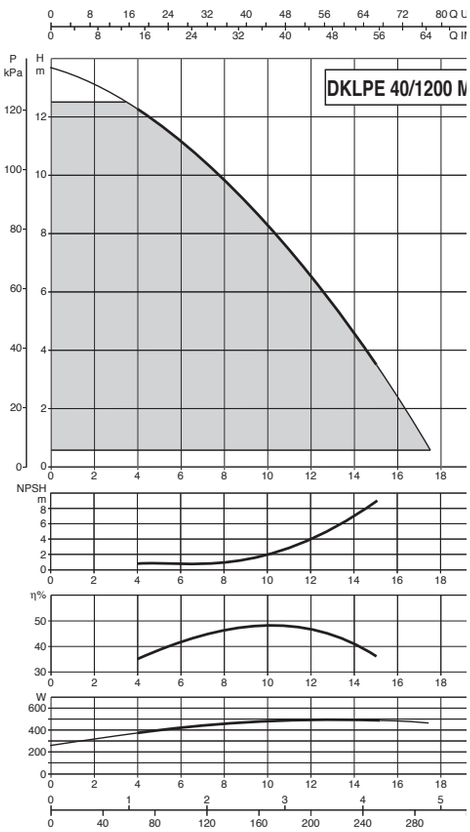


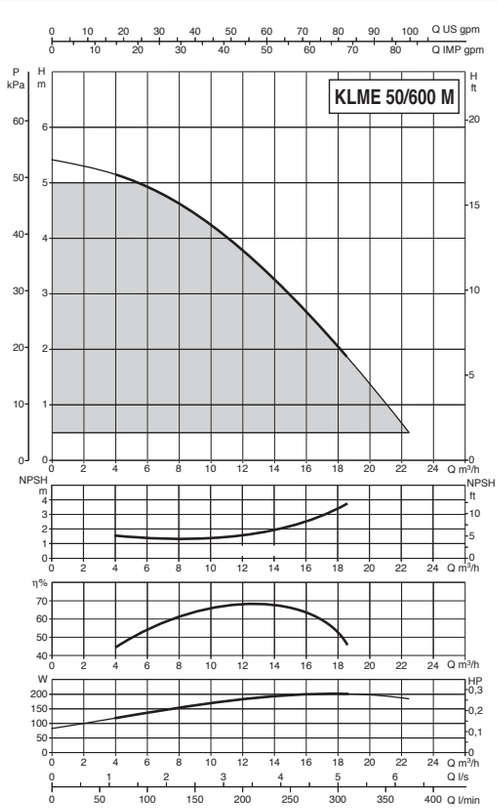
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

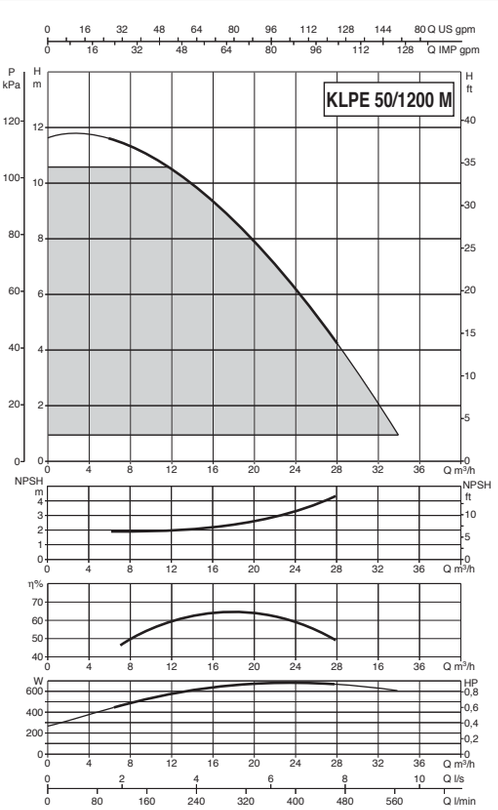
KLME - KLPE / DKLME - DKLPE

IN-LINE CONSTANT PRESSURE PUMPS





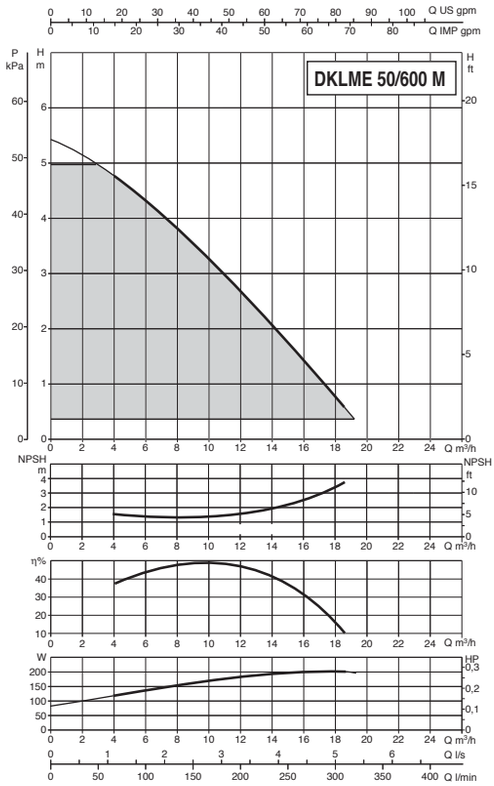


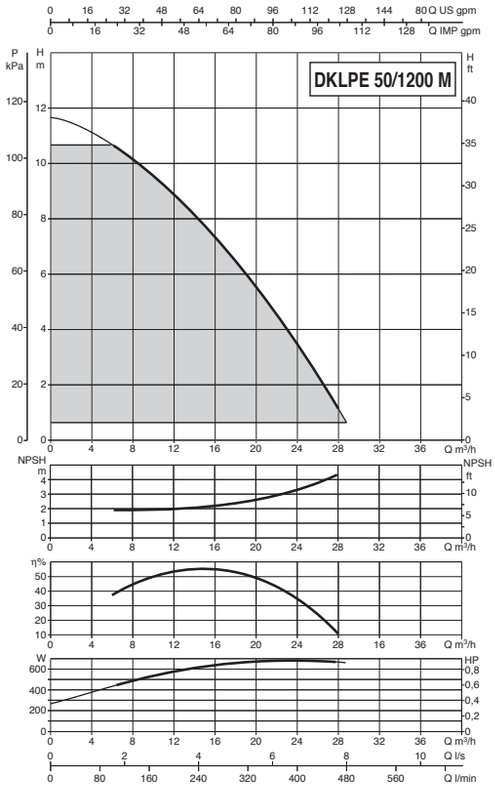


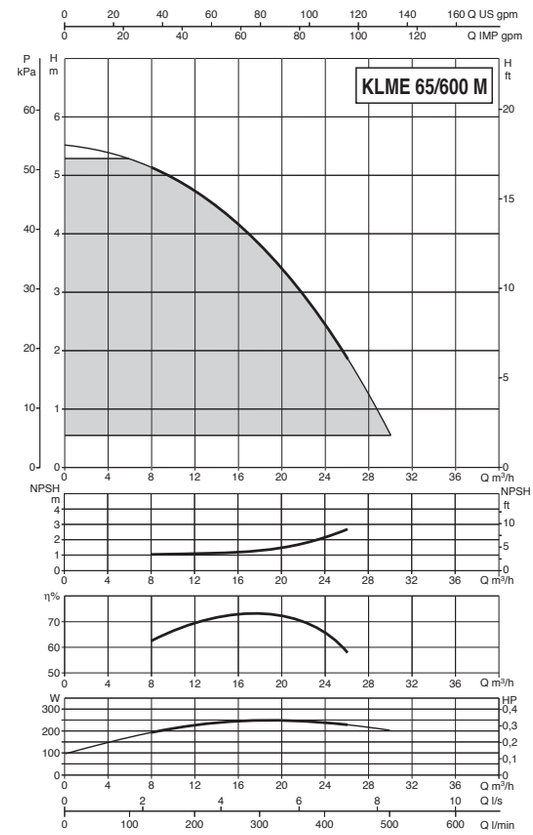
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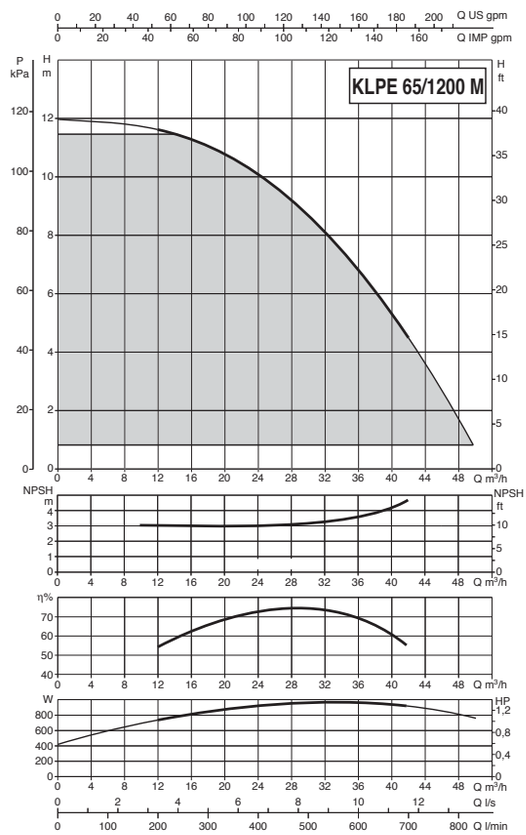
KLME - KLPE / DKLME - DKLPE

IN-LINE CONSTANT PRESSURE PUMPS





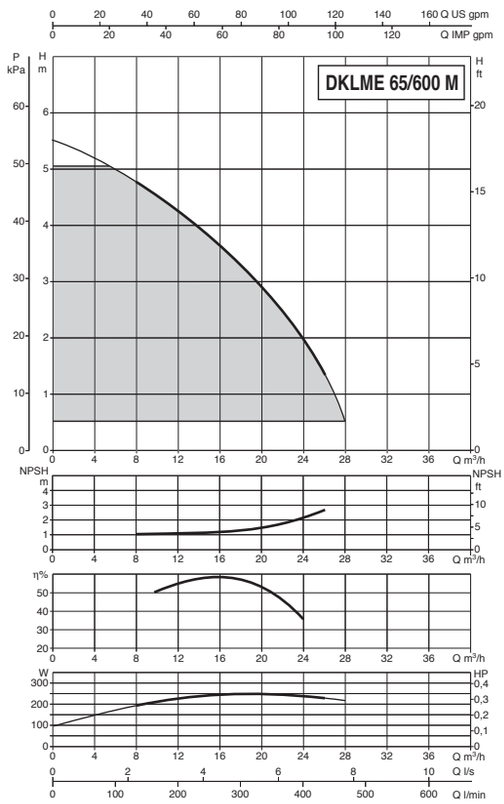


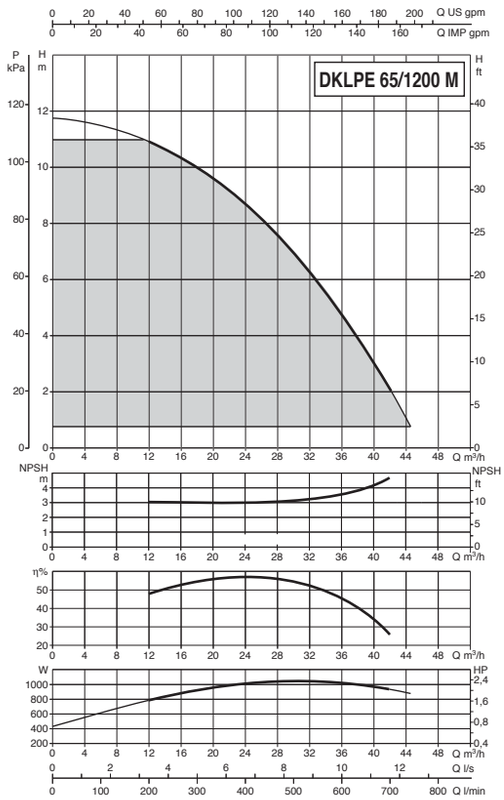


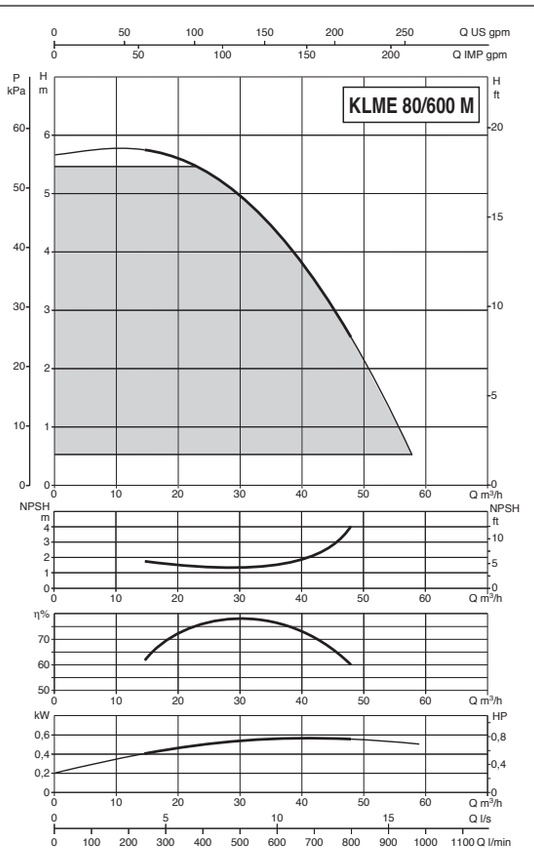
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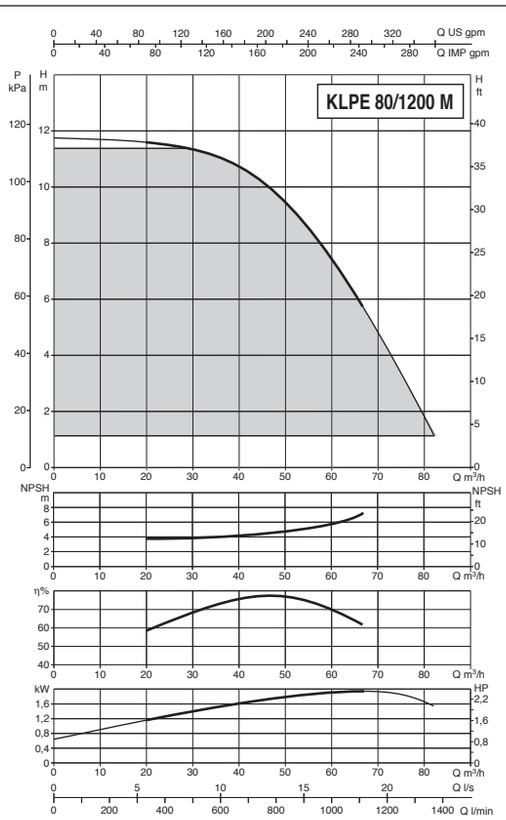
KLME - KLPE / DKLME - DKLPE

IN-LINE CONSTANT PRESSURE PUMPS





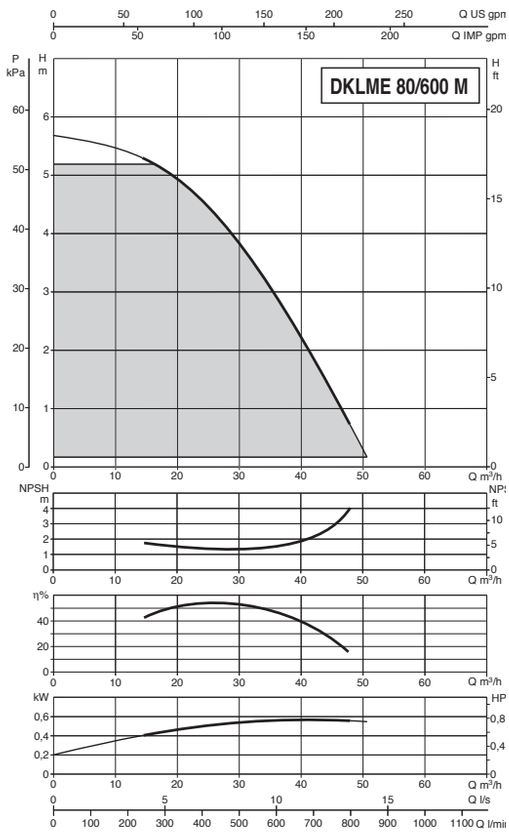


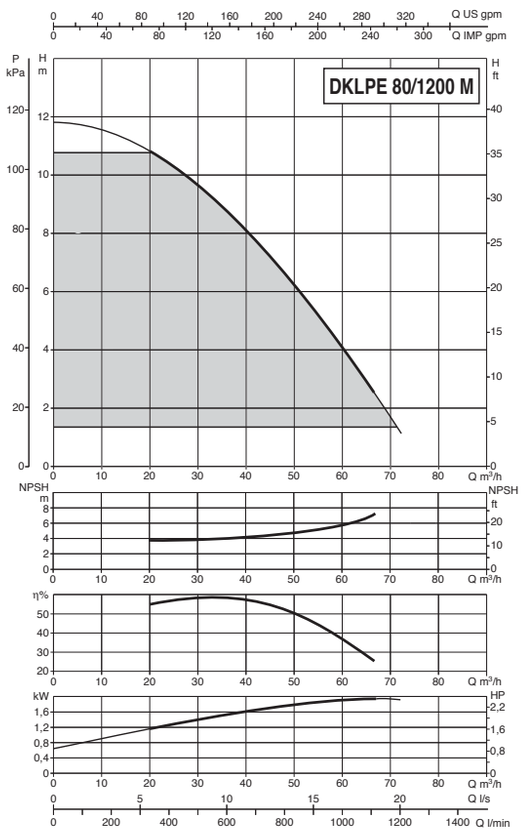


The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

KLME - KLPE / DKLME - DKLPE

IN-LINE CONSTANT PRESSURE PUMPS

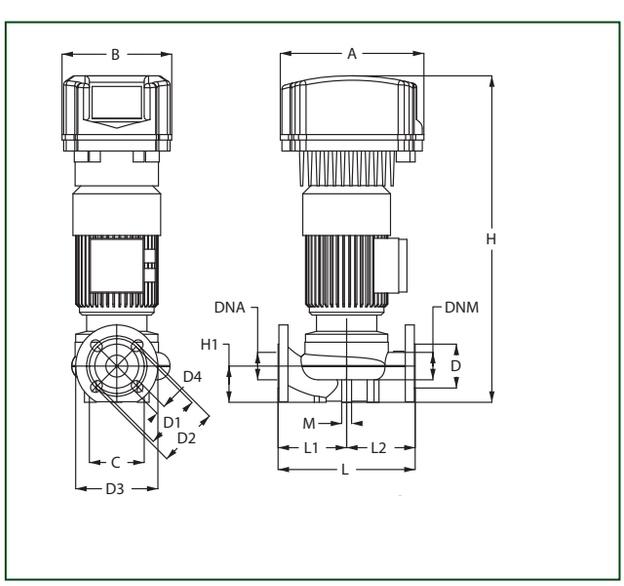




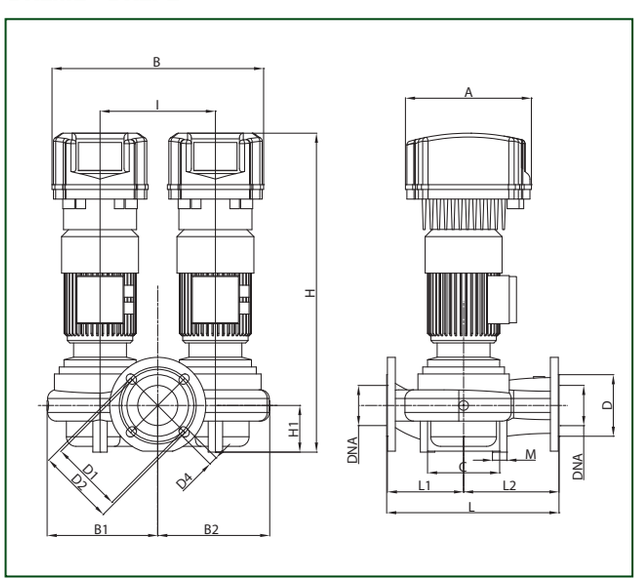
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

DIMENSIONS AND WEIGHTS

KLME - KLPE



DKLME - DKLPE



KLME - KLPE / DKLME - DKLPE

IN-LINE CONSTANT PRESSURE PUMPS

MODEL	A	B	C	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKAGING DIMENSIONS			WEIGHT KG
															L/A	L/B	H	
KLPE 40- 600 M MCE11/C	262	200	100	80	100	110	150	4 SLOTS 18x23	603	66	250	125	125	2 HOLES M10	500	270	660	26
KLPE 40-1200 M MCE11/C	262	200	100	80	100	110	150		603	66	250	125	125		500	270	660	26
KLME 50-600 M MCE11/C	262	200	100	90	110	125	165		622	73	280	140	140		500	270	660	31
KLPE 50-1200 M MCE11/C	262	200	100	90	110	125	165		622	73	280	140	140		500	270	660	33
KLME 65-600 M MCE11/C	262	200	100	110	130	145	185		641	82	340	170	170	2 HOLES M12	500	270	660	37
KLPE 65-1200 M MCE11/C	262	200	100	110	130	145	185		641	82	340	170	170		500	270	660	43
KLME 80-600 M MCE11/C	262	200	115	128	150	160	200		671	97	360	190	170		520	400	710	47
KLPE 80-1200 M MCE22/C	262	200	115	128	150	160	200		746	97	360	190	170		520	400	710	47

MODEL	A	B	B1	B2	C	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKAGING DIMENSIONS			WEIGHT KG
																		L/A	L/B	H	
DKLPE 40- 600 M MCE11/C	262	400	185	187	100	80	100	110	150	4 SLOTS 18x23	608	66	200	250	105	145	4 HOLES M14	500	270	660	56
DKLPE 40-1200 M MCE11/C	262	400	185	187	100	80	100	110	150		608	66	200	250	105	145		500	270	660	61
DKLME 50-600 M MCE11/C	262	400	217	217	120	90	110	125	165		622	73	200	280	130	150		520	400	710	76
DKLPE 50-1200 M MCE11/C	262	400	217	217	120	90	110	125	165		622	73	200	280	130	150		520	400	710	88
DKLME 65-600 M MCE11/C	262	440	226	229	140	110	130	145	185		641	82	240	340	140	200		520	400	710	80
DKLPE 65-1200 M MCE11/C	262	440	226	229	140	110	130	145	185		641	82	240	340	140	200		520	400	710	99
DKLME 80-600 M MCE11/C	262	440	230	233	150	128	150	160	200		671	97	240	360	160	200		520	400	710	96
DKLPE 80-1200 M MCE22/C	262	440	230	233	150	128	150	160	200		746	97	240	360	160	200		520	400	710	98

IN-LINE CONSTANT PRESSURE PUMPS

PERFORMANCE RANGE

CME - CM-GE - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q(m³/h) (l/min)	0	1,2	2,4	3	3,6	4,5	4,8	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	250	270	330	360	390	420
	kW	HP		0	20	40	50	60	75	80	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4167	4500	5500	6000	6500	7000
CME 40- 870 M MCE11/C	0,7	1		8,7	8,7	8,6	8,6	8,5	8,3	8,2	7,9																											
CME 40-1450 M MCE11/C	0,9	1,3							14,5	14,4	14,3	11,8	8																									
CME 50-1000 M MCE11/C	0,7	1						10,1	10	9,8	9,6	6,8																										
CME 50-1420 M MCE11/C	1,1	1,5									14,2	13	10	6																							
CM-GE 65- 660/A/BAQE/0.55 M MCE11/C	0,55	0,75		6,6							6,5	6,2	5,7	4,8																							
CM-GE 65- 920/A/BAQE/0.75 M MCE11/C	0,75	1		9,2							9,2	9	8,4	7,4	5,7																						
CM-GE 65-1200/A/BAQE/1.5 M MCE15/C	1,5	2		12								12	11,9	11,5	10,8	10,1	8,9																				
CM-GE 65-1680/A/BAQE/3 T MCE30/C	3	4		16,8								16,8	16,5	16,1	15,5	14,6	13,6	12,4	10,9																		
CM-GE 65-2380/A/BAQE/4 T MCE55/C	4	5,5		23,8								24	23,8	23,4	22,7	21,6	20,4	19	17,1																		
CM-GE 80- 650/A/BAQE/0.75 M MCE11/C	0,75	1		6,5								6,3	6,1	5,8	5,5	5	4,5	3,9																			
CM-GE 80- 890/A/BAQE/1.5 M MCE15/C	1,5	2		8,9									8,8	8,7	8,6	8,3	8	7,6	7,2	6,6	6																
CM-GE 80-1530/A/BAQE/3 T MCE30/C	3	4		15,3									15,4	15,3	15	14,6	14,1	13,5	12,9	12,2	11,3																
CM-GE 80-1700/A/BAQE/4 T MCE55/C	4	5,5		17									17,2	17,2	17,1	16,8	16,5	16,2	15,7	15,1	14,3	13,6	12,6														
CM-GE 80-2410/A/BAQE/5.5 T MCE55/C	5,5	7,5		24,1									23,8	23,6	23,3	22,8	22,3	21,5	20,8	19,7	18,6	17,3															
CM-GE 80-2700/A/BAQE/7.5 T MCE110/C	7,5	10		27												26	25,5	25	24,5	23,6	22,7	21,5	20,2	19													
CM-GE 80-3420/A/BAQE/11 T MCE110/C	11	15		34,2												33,2	33	32,5	32	31,5	30,7	29,8	29	28	25	21,7											
CM-GE 100- 510/A/BAQE/0.75 M MCE11/C	0,75	1	H* (m)	5,1								4,9	4,8	4,7	4,7	4,4	4,2	3,8	3,4	3																	
CM-GE 100- 660/A/BAQE/2,2 M MCE22/C	1,5	2		6,6											6,4	6,3	6,2	6	5,8	5,6	5,3	5	4,7	4,5	4,3	3,7	3										
CM-GE 100-1020/A/BAQE/3 T MCE30/C	3	4		10,2											10,2	10,1	10	9,9	9,8	9,7	9,5	9,3	9	8,8	8,6	7,9	7,2	6,7									
CM-GE 100-1320/A/BAQE/4 T MCE55/C	4	5,5		13,2												13,2	13,2	13,1	12,9	12,7	12,4	12	11,7	11,3	10,4	9,3	8,7									
CM-GE 100-1650/A/BAQE/5,5 T MCE55/C	5,5	7,5		16,5												16,6	16,5	16,4	16,2	16,1	16	15,7	15,4	15	14,3	13,3	12,7									
CM-GE 100-2050/A/BAQE/7,5 T MCE110/C	7,5	10		20,5												21	21	21	20,7	20,5	20	19,8	19,5	19	18	16,7	16									
CM-GE 100-2550/A/BAQE/11 T MCE110/C	11	15		25,5												25,5	25,5	25,5	25,1	25	25	24,6	24,2	24	23	21,5	21									
CM-GE 100-3290/A/BAQE/15 T MCE150/C	15	20		32,9														33,1	33	32,9	32,8	32,4	32	31,6	30,5	29,5	28,9	24									
CM-GE 125-1075/A/BAQE/4 T MCE55/C	4	5,5		10,8															10,1	10,1	10	9,9	9,7	9,5	9,1	8,5	8,3	7	5,4								
CM-GE 125-1270/A/BAQE/5.5 T MCE55/C	5,5	7,5		12,7															12,6	12,6	12,5	12,5	12,4	12,3	12	11,5	11,4	10,1	8,5								
CM-GE 125-1560/A/BAQE/7.5 T MCE110/C	7,5	10		15,6															15,4	15,4	15,3	15,2	15,1	15	14,7	14,5	14,3	13,3	11,6	9,8							
CM-GE 125-2100/A/BAQE/11 T MCE110/C	11	15		21															21,5	21,5	21,5	21,4	21,2	21	20,9	20	19,8	18	16								
CM-GE 125-2550/A/BAQE/15 T MCE150/C	15	20		25,5															25,5	25,5	25,5	25,3	25,1	25,1	25	24,5	24	22,5	20,5	17,5							
CM-GE 150- 955/A/BAQE/5.5 T MCE55/C	5,5	7,5		9,6																				10,1	10,1	10,0	9,5	8,7	7,7	6,8	5,9	5	4,6	4			
CM-GE 150-1322/A/BAQE/7.5 T MCE110/C	7,5	10		13,2																				13	12,8	12,6	12,5	11,9	11,1	10,1	8,9	8,5					
CM-GE 150-1600/A/BAQE/11 T MCE150/C	11	15		16																					15,5	15,5	15,4	14,8	14	13	11,8	11	10,5	9,2			
CM-GE 150-1950/A/BAQE/15 T MCE150/C	15	20		19,5																					19,5	19,4	19,3	19,2	18,7	17,8	16,8	16	15,5	14,1	12,5		

DCME - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q(m³/h) (l/min)	0	0,6	1,2	1,8	2,4	3,0	4,5	6	9	10,5	12	13,5	15	18	24	27	30	36	42	48	54	60	66	72	78	90	105	120
	kW	HP		0	10	20	30	40	50	75	100	150	175	200	225	250	300	400	450	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000
DCME 40-620 M MCE11/C	0,3	0,3							6,2	6	5,8	4,5	3,9	3																	
DCME 50-460 M MCE11/C	0,3	0,3									4,6	4,3	4,1	3,9	3,6	3,3	2,4														
DCME 50-880 M MCE11/C	0,5	0,7									8,8	8,3	8	7,7	7,3	6,9	5,9														
DCME 65-670 M MCE11/C	0,6	0,7												6,7	6,6	6,4	6,1	5,1	4,3	3,3											
DCME 65-900 M MCE11/C	0,9	1,2	H* (m											9	8,9	8,8	8,6	8,1	7,7	7,2	5,5										
DCME 80-730 M MCE11/C	0,9	1,2															7,3	7,1	7	6,8	6,3	5,6	4,8	3,9							
DCME 80-1020 M MCE15/C	1,5	2															10,2	10	9,9	9,8	9,4	9	8,5	7,7	6,5						
DCME 100-1000 M MCE22/C	2,2	3																			10	9,7	9,3	8,9	8,5	8	7,5	7	6		
DCME 100-1200 T MCE30/C	3,0	4																			12	11,7	11,5	11,3	11	10,5	10	9,5	8,5	7	
DCME 100-1450 T MCE55/C	4	5,5																			14,5	14,2	14	13,8	13,5	13,1	12,7	12,2	11	9	6,5

CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS

NEW

CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS



Circulation pumps with in-line ports, suitable for installation in heating and air conditioning, refrigeration, and domestic hot water systems.
Extremely versatile thanks to the use of the **MCE/C** inverter, they offer performance capable of adapting automatically to the system's various demands while keeping pressure differentials unchanged. Available in single and twin version.
PN 16 flanged inlet and delivery mouths, fitted with threaded holes for pressure gauges.
Pump body and support in cast iron, impeller in cast iron or technopolymer depending on model (in bronze, on request, only from DN 65 to DN 150).
Stainless steel drive shaft.
Sealing device: standardised mechanical seal made to DIN 24960 in carbon / carborundum with O' rings in EPDM. 4-pole three-phase indication motor with external cooling. Rotor running on ball bearings, oversized to ensure low noise and durability.
Constructed following the CEI 2-3 standards.

Operating range: from 1.2 to 360 m3/h with head up to 34 meters.
Liquid temperature range:
-10 °C ÷ +130 °C for DN 40 - 50 and all DCME
-10 °C ÷ +140 °C for DN 65 - 150
Liquid quality requirements: clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallised and chemically neutral and close to the characteristics of water.
Installation: fixed, horizontal or vertical provided the motor is always above the pump.
Maximum ambient temperature: +40°C.
Maximum working pressure: 16 bar.
Protection rating: IP 55.
Insulation Class: F.
Flanging: PN 16.
Counter-flanges on request: DN 40 - DN 50 - DN 65 - DN 80 - DN 100 - DN 125 - DN 150; PN 16.

TECHNICAL DATA - CME/CM-GE *SINGLE FLANGED*

1400 rpm 1/min - 4 poles

MODEL	CODE	ELECTRICAL DATA				DNA	DNM
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A	
CME 40- 870 M MCE11/C*	60142764	1x220-240 V ~	0,54	0,75	1	5,4	40	40
CME 40-1450 M MCE11/C* [1]	60142765	1x220-240 V ~	1,26	0,9	1,2	10,0	40	40
CME 50-1000 M MCE11/C*	60142766	1x220-240 V ~	0,67	0,75	1	6,2	50	50
CME 50-1420 M MCE11/C* [1]	60142767	1x220-240 V ~	1,47	1,1	1,5	11,3	50	50
CME 65-660/A/BAQE/0.55 M MCE11/C	60142768	1x220-240 V ~	0,84	0,55	0,75	7,3	65	65
CM-GE 65 920/A/BAQE/0.75 M MCE11/C* [1]	60142769	1x220-240 V ~	1,16	0,75	1	9,3	65	65
CM-GE 65 1200/A/BAQE/1.5 M MCE15/C* [1]	60141877	1x220-240 V ~	2,00	1,5	2	14,7	65	65
CM-GE 65-1680/A/BAQE/3 T MCE30/C*	60141918	3x400 V ~	3,36	3	4	6,1	65	65
CM-GE 65-2380/A/BAQE/4 T MCE55/C*	60142770	3x400 V ~	4,94	4	5,5	9,3	65	65
CM-GE 80- 650/A/BAQE/0.75 M MCE11/C*[1]	60142771	1x220-240 V ~	1,16	0,75	1	9,3	80	80
CM-GE 80- 890/A/BAQE/1.5 M MCE15/C* [1]	60142772	1x220-240 V ~	2,00	1,5	2	14,7	80	80
CM-GE 80 1530/A/BAQE/3 T MCE30/C*	60142119	3x400 V ~	4,20	3	4	7,8	80	80
CM-GE 80-1700/A/BAQE/4 T MCE55/C*	60142773	3x400 V ~	6,09	4	5,5	11,6	80	80
CM-GE 80-2410/A/BAQE/5.5 T MCE55/C*	60142101	3x400 V ~	7,04	5,5	7,5	13,5	80	80

*** NEW IE2 MOTOR**

[1] Three-phase versions available on request

TECHNICAL DATA - CME/CM-GE *SINGLE FLANGED*

1400 rpm 1/min - 4 poles

MODEL	CODE	ELECTRICAL DATA					DNA	DNM
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A		
CM-GE 80-2700/A/BAQE/7.5 T MCE110/C*	60141916	3x400 V ~	9,35	7,5	10	18,2	80	80
CM-GE 80-3420/A/BAQE/11 T MCE110/C*	60142774	3x400 V ~	15,24	11	15	30,2	80	80
CM-GE 100- 510/A/BAQE/0.75 M MCE11/C* [1]	60142775	1x220-240 V ~	1,05	0,75	1	8,6	100	100
CM-GE 100- 660/A/BAQE/2,2 M MCE22/C* [1]	60142500	1x220-240 V ~	2,00	1,5	2	14,7	100	100
CM-GE 100-1020/A/BAQE/3 T MCE30/C*	60142208	3x400 V ~	4,20	3	4	7,8	100	100
CM-GE 100-1320/A/BAQE/4 T MCE55/C	60142776	3x400 V ~	6,09	4	5,5	11,6	100	100
CM-GE 100-1650/A/BAQE/5,5 T MCE55/C*	60142150	3x400 V ~	7,04	5,5	7,5	13,5	100	100
CM-GE 100-2050/A/BAQE/7,5 T MCE110/C*	60142777	3x400 V ~	9,35	7,5	10	18,2	100	100
CM-GE 100-2550/A/BAQE/11 T MCE110/C*	60142778	3x400 V ~	14,54	11	15	28,8	100	100
CM-GE 100-3290/A/BAQE/15 T MCE150/C*	60142779	3x400 V ~	22,13	15	20	44,1	100	100
CM-GE 125-1075/A/BAQE/4 T MCE55/C*	60142781	3x400 V ~	6,09	4	5,5	11,6	125	125
CM-GE 125-1270/A/BAQE/5.5 T MCE55/C*	60142097	3x400 V ~	7,04	5,5	7,5	13,5	125	125
CM-GE 125-1560/A/BAQE/7.5 T MCE110/C*	60142782	3x400 V ~	9,35	7,5	10	18,2	125	125
CM-GE 125-2100/A/BAQE/11 T MCE110/C*	60142783	3x400 V ~	15,19	11	15	30,1	125	125
CM-GE 125-2550/A/BAQE/15 T MCE150/C*	60142784	3x400 V ~	19,57	15	20	39,0	125	125
CM-GE 150- 955/A/BAQE/5.5 T MCE55/C*	60142786	3x400 V ~	7,035	5,5	7,5	13,5	150	150
CM-GE 150-1322/A/BAQE/7.5 T MCE110/C*	60141857	3x400 V ~	9,45	7,5	10	18,4	150	150
CM-GE 150-1600/A/BAQE/11 T MCE110/C*	60142787	3x400 V ~	13,02	11	15	25,7	150	150
CM-GE 150-1950/A/BAQE/15 T MCE150/C*	60142788	3x400 V ~	18,38	15	20	36,5	150	150

*** NEW IE2 MOTOR**

[1] Three-phase versions available on request

TECHNICAL DATA - DCME *TWIN FLANGED*

1400 rpm 1/min - 4 poles

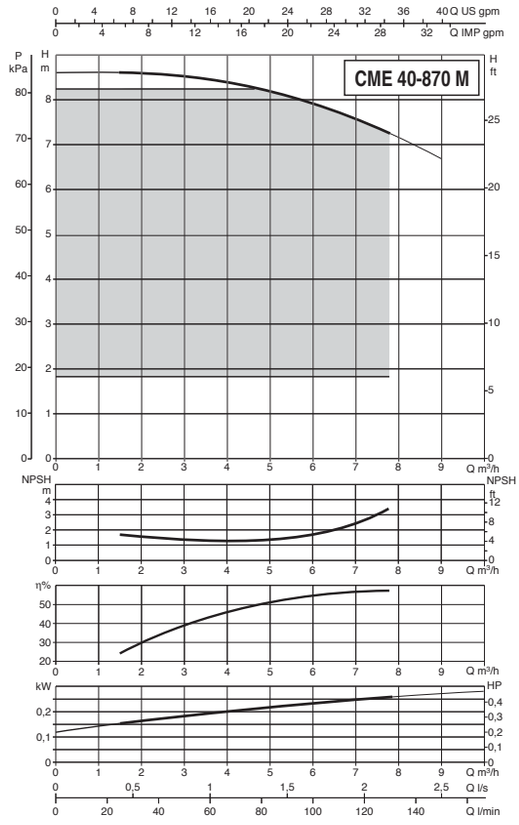
MODEL	CODE	ELECTRICAL DATA					DNA	DNM
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A		
DCME 40-620 M MCE11/C	60142830	1x220-240 V ~	0,43	0,25	0,35	4,7	40	40
DCME 50-460 M MCE11/C	60142831	1x220-240 V ~	0,43	0,25	0,35	4,7	50	50
DCME 50-880 M MCE11/C	60142832	1x220-240 V ~	0,83	0,5	0,67	7,2	50	50
DCME 65-670 M MCE11/C	60142833	1x220-240 V ~	0,83	0,55	0,75	7,2	65	65
DCME 65-900 M MCE11/C* [1]	60142834	1x220-240 V ~	1,26	0,9	1,2	10,0	65	65
DCME 80-730 M MCE11/C*	60142835	1x220-240 V ~	1,26	0,9	1,2	10,0	80	80
DCME 80-1020 M MCE15/C* [1]	60142837	1x220-240 V ~	2,00	1,5	2	14,7	80	80
DCME 100-1000 M MCE22/C* [1]	60142838	1x220-240 V ~	2,74	2,2	3	19,5	100	100
DCME 100-1200 T MCE30/C*	60142840	3x400 V ~	3,76	3	4	6,9	100	100
DCME 100-1450 T MCE55/C*	60142841	3x400 V ~	5,42	4	5,5	10,2	100	100

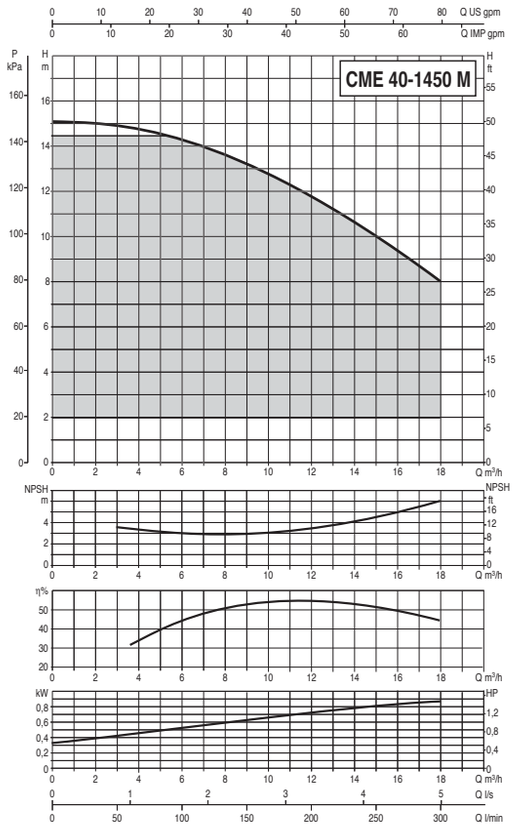
*** NEW IE2 MOTOR**

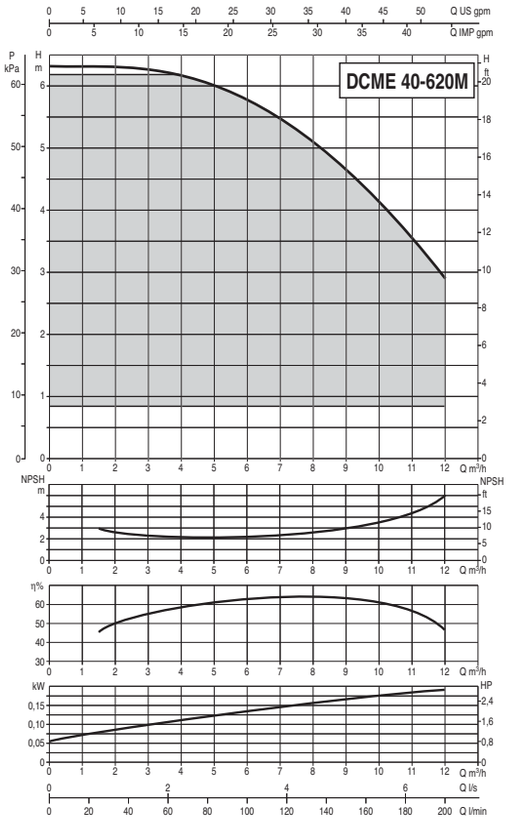
[1] Three-phase versions available on request

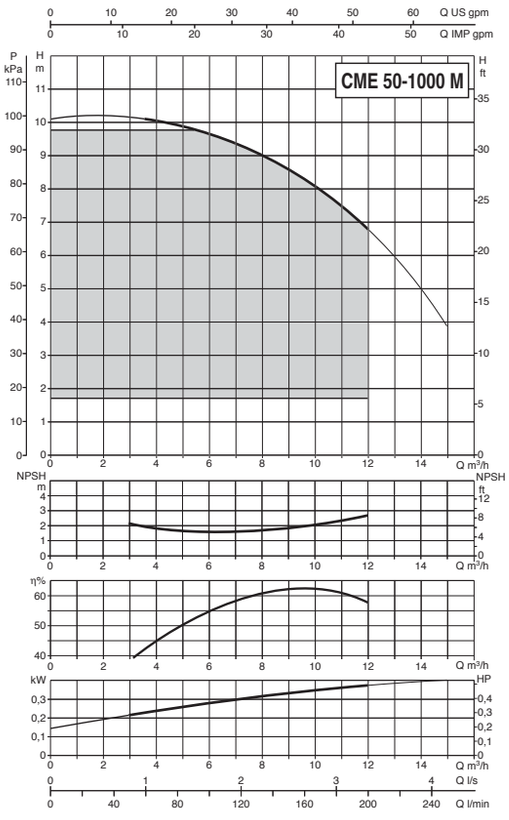
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IN-LINE CONSTANT PRESSURE PUMPS





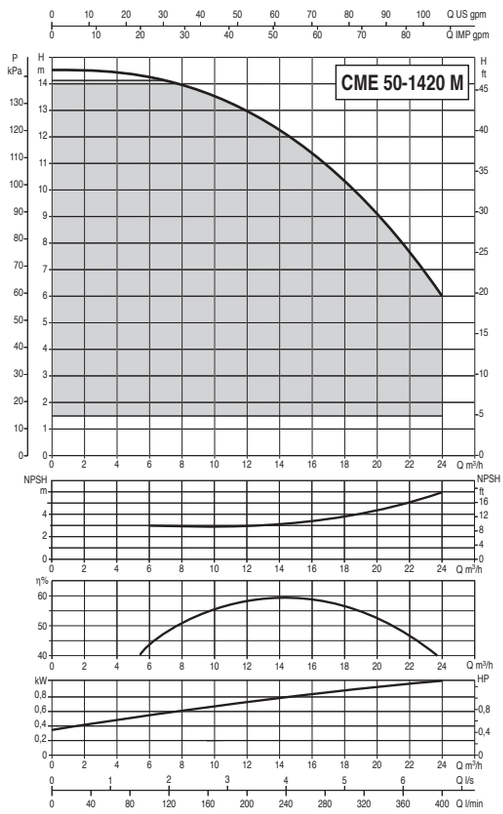


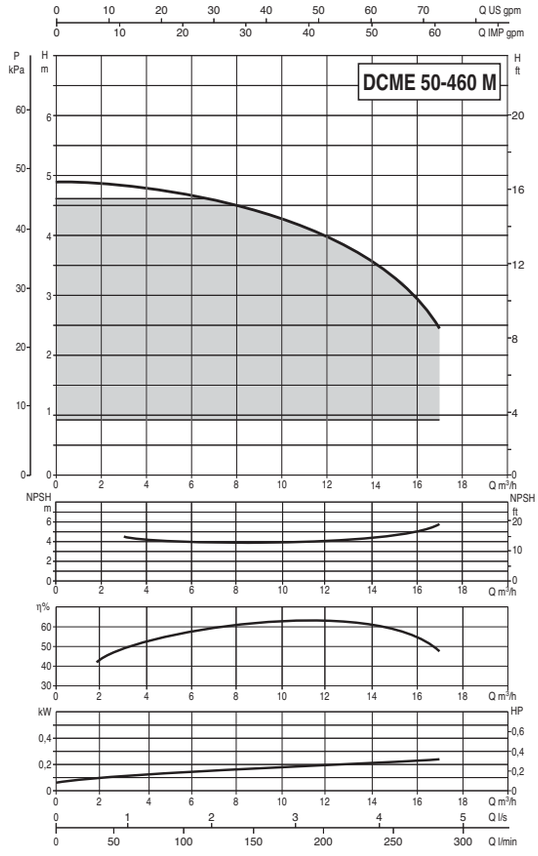


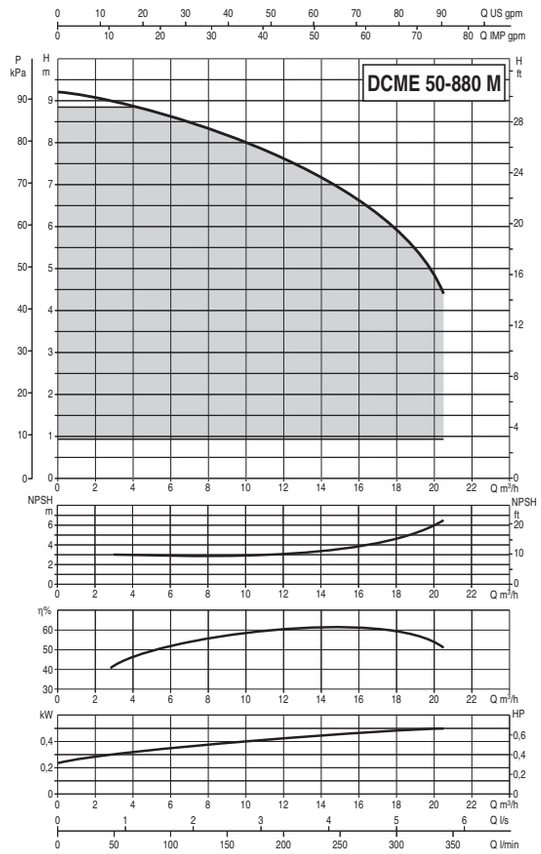
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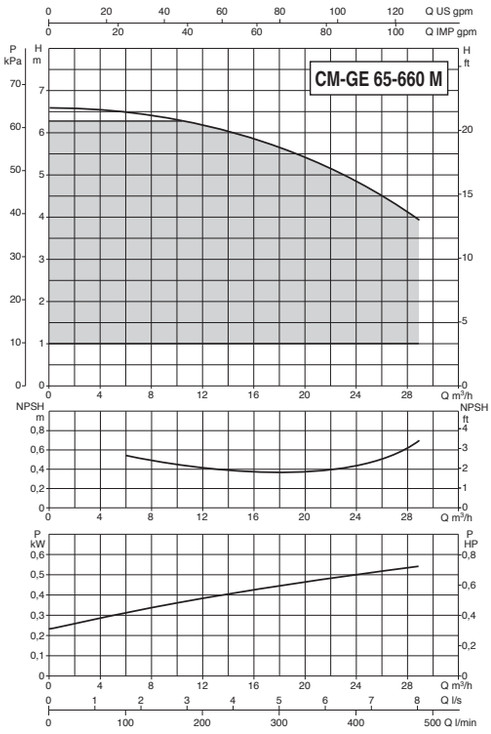
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS





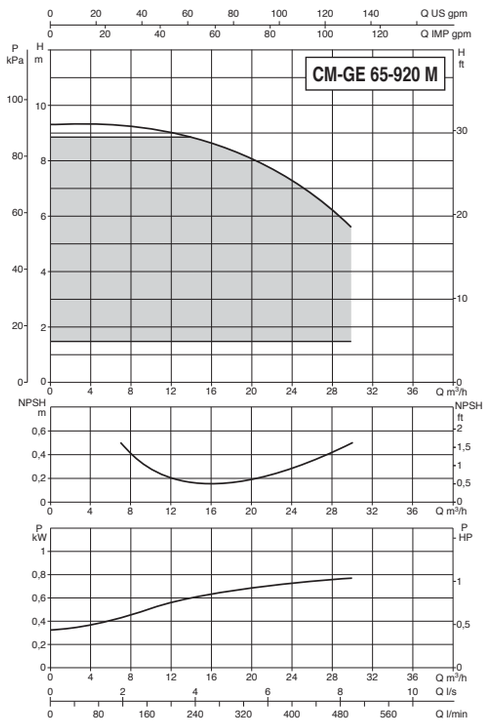


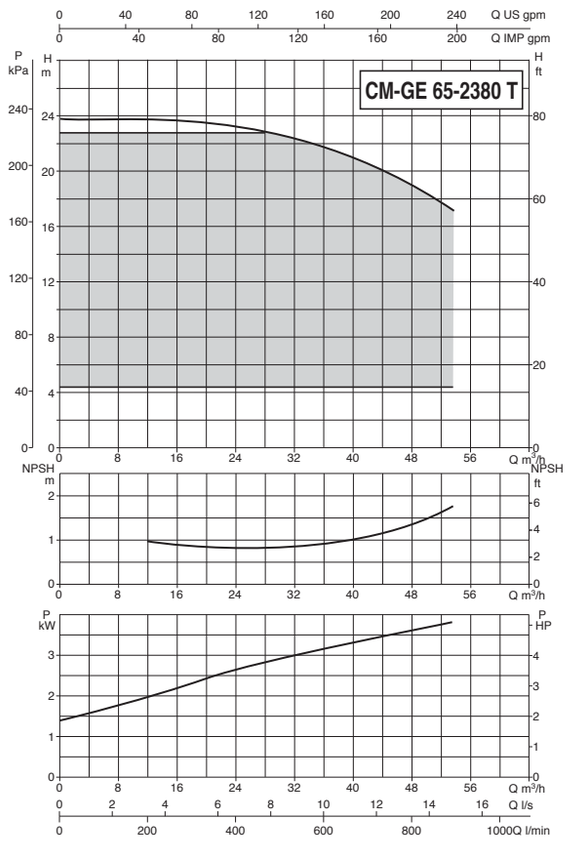


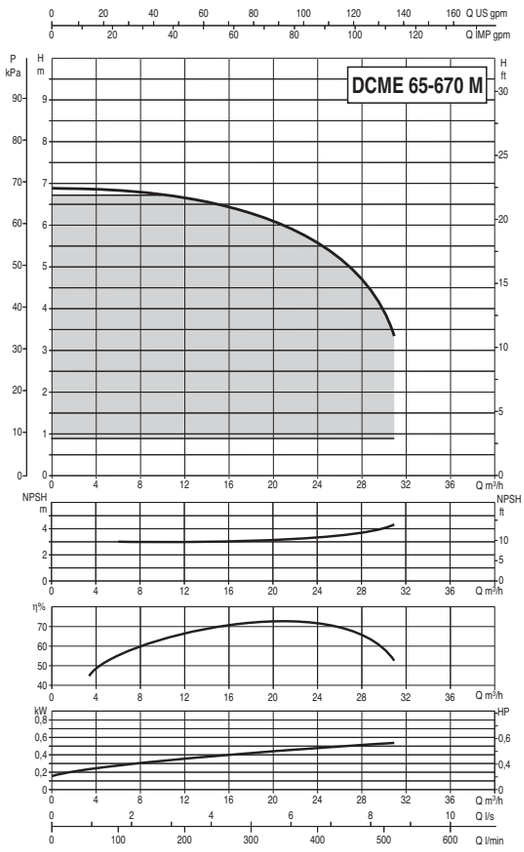
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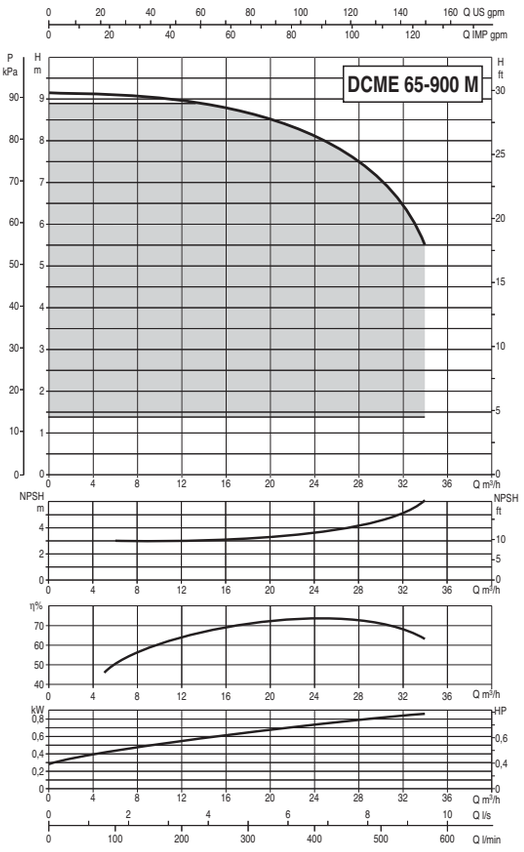
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IN-LINE CONSTANT PRESSURE PUMPS





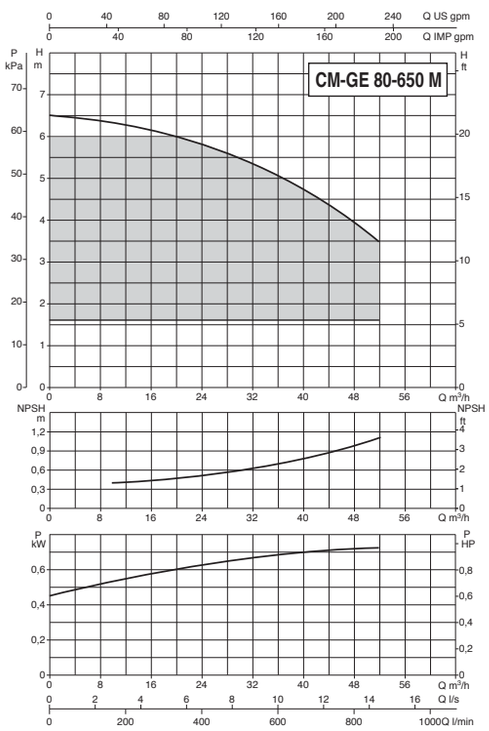


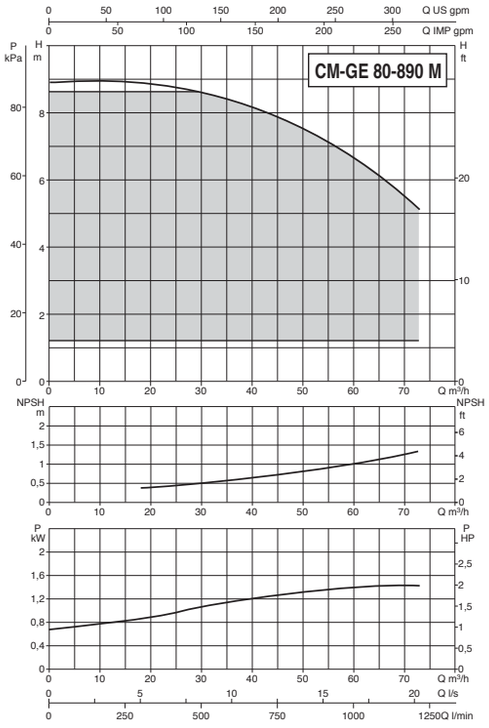


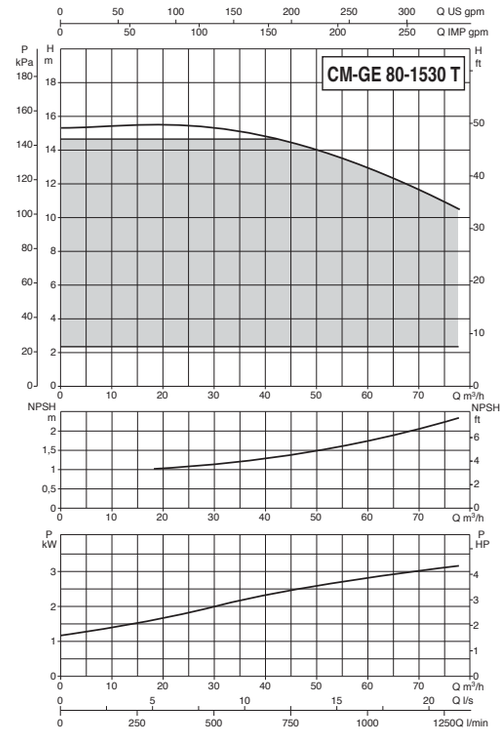
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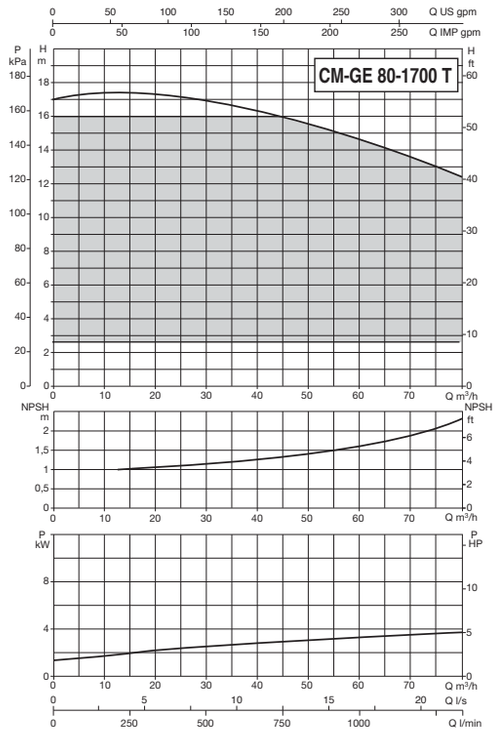
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IN-LINE CONSTANT PRESSURE PUMPS





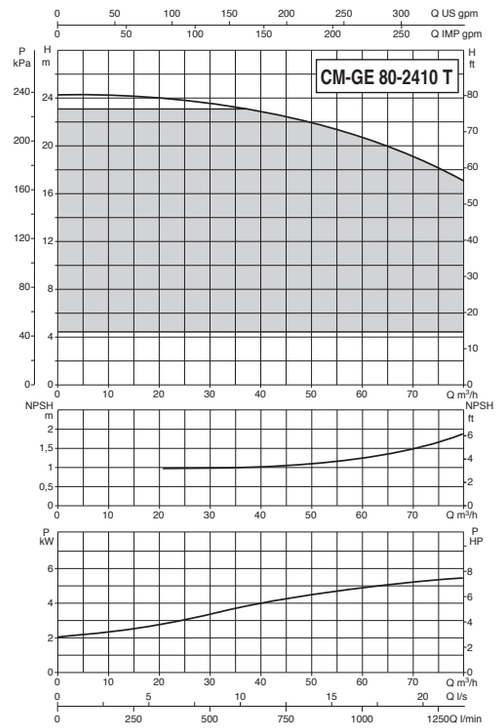


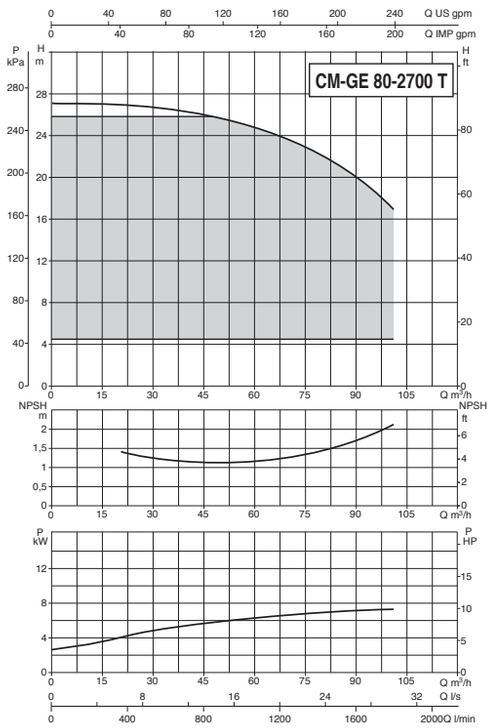


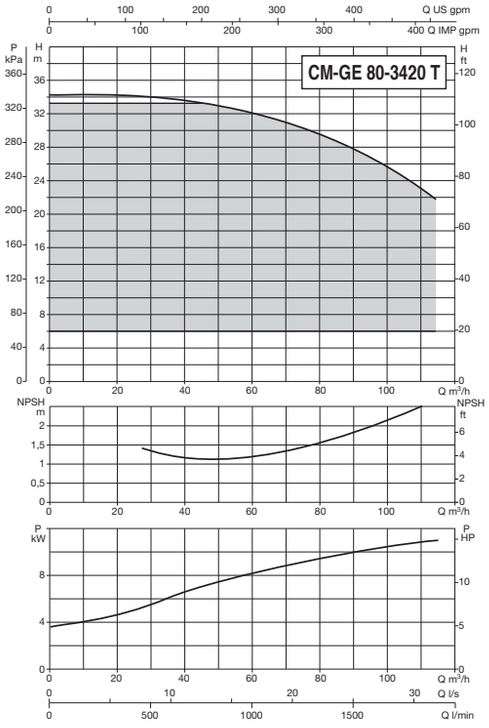
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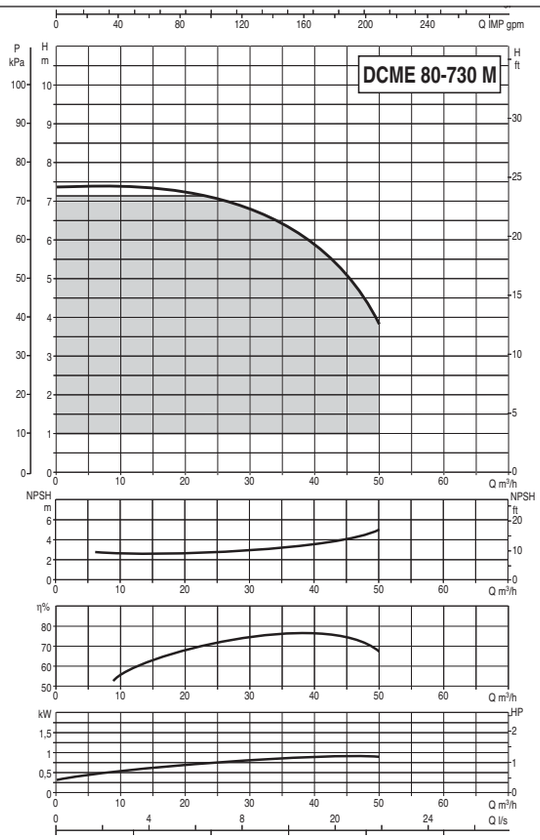
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS





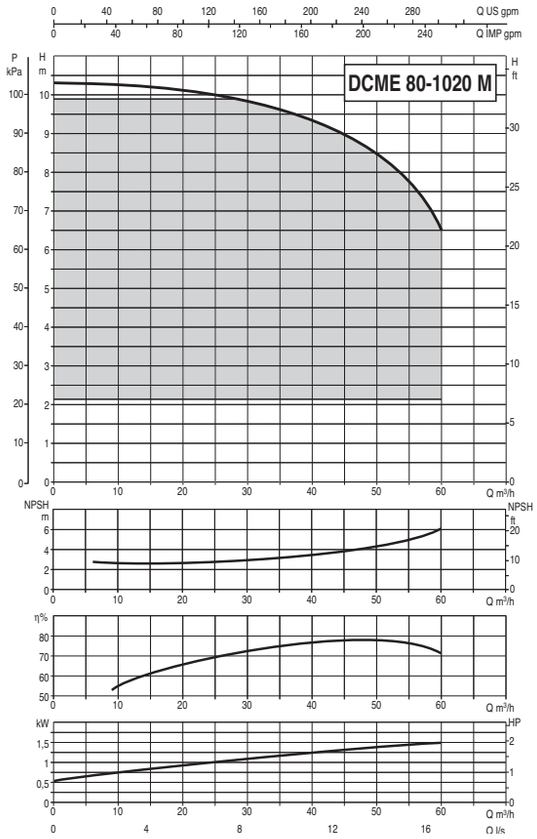


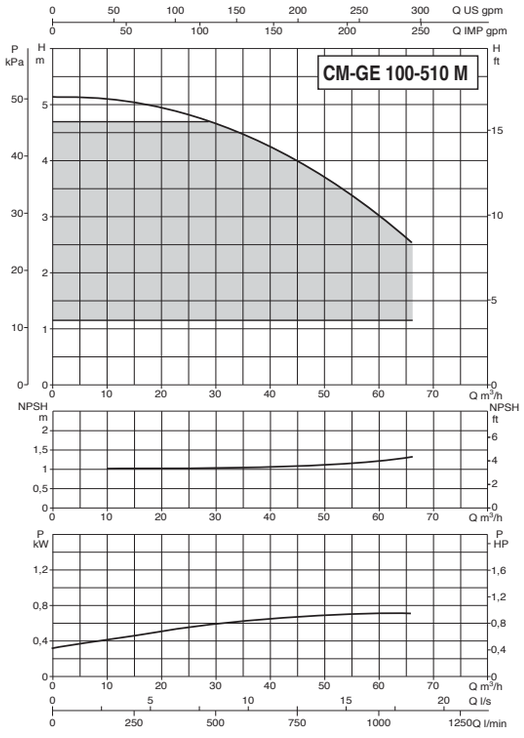


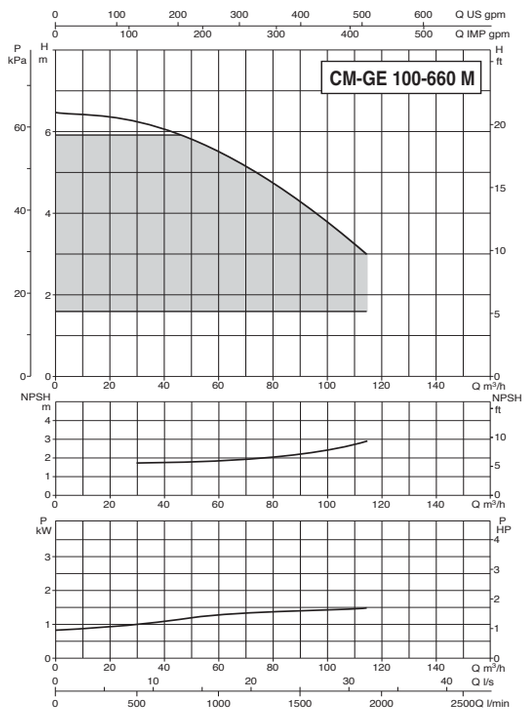
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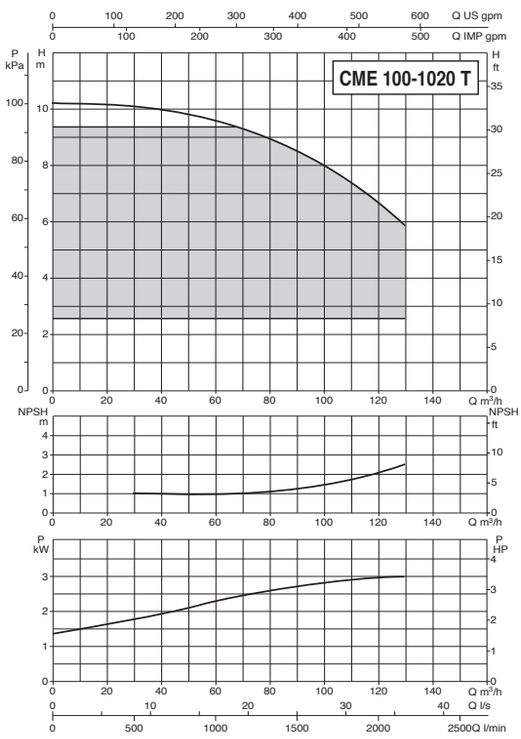
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS





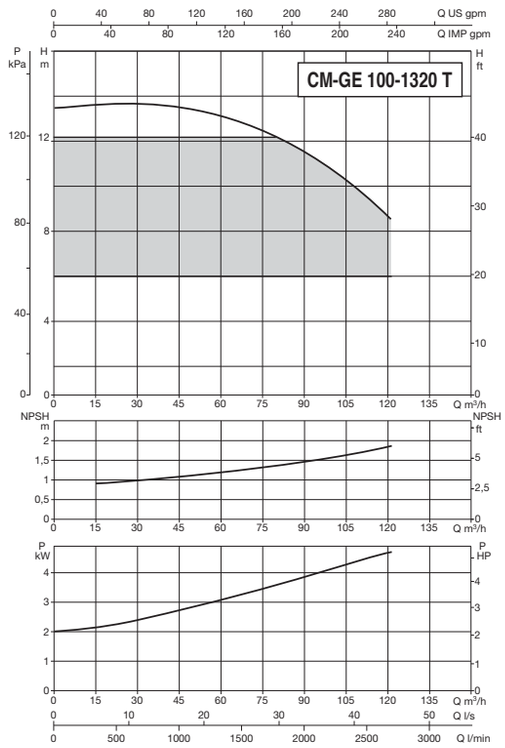


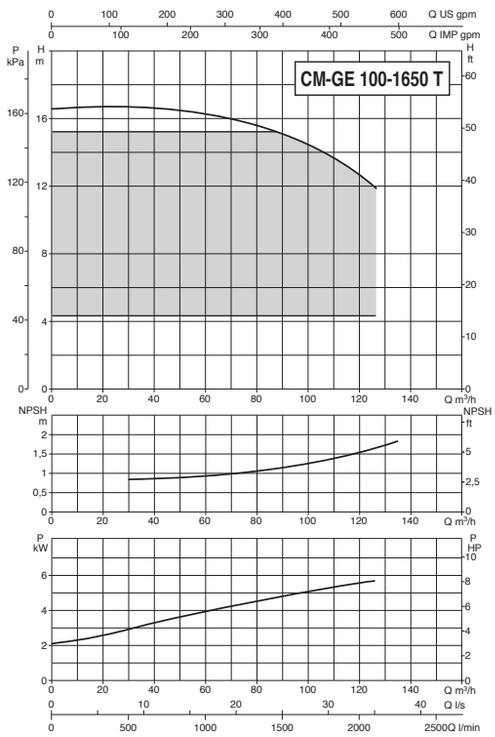


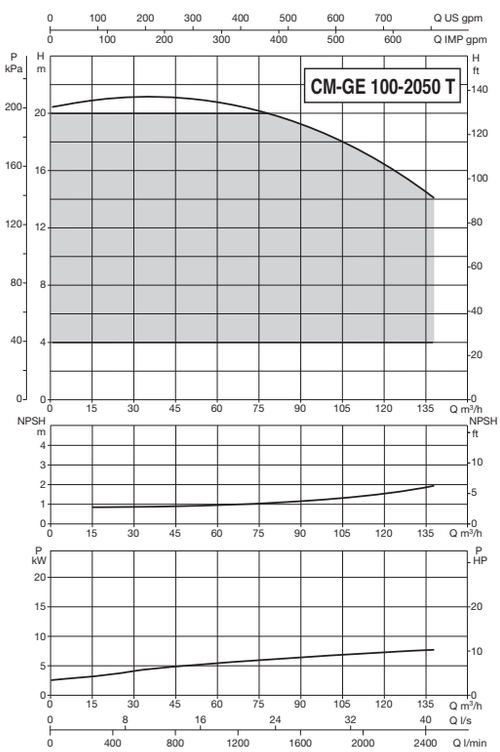
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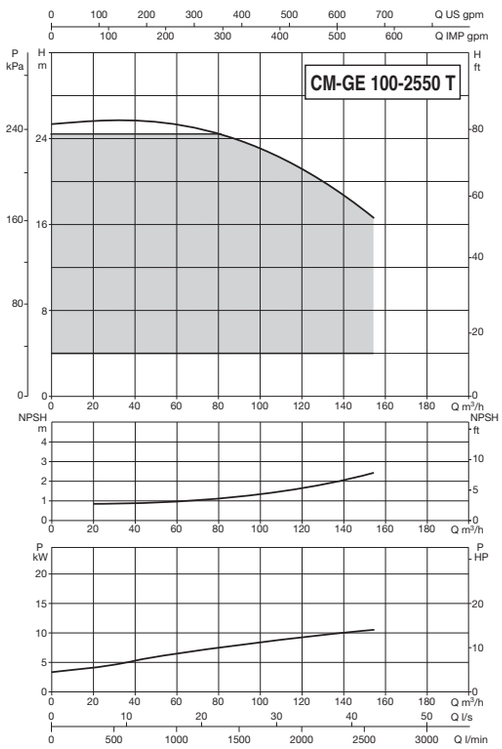
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS





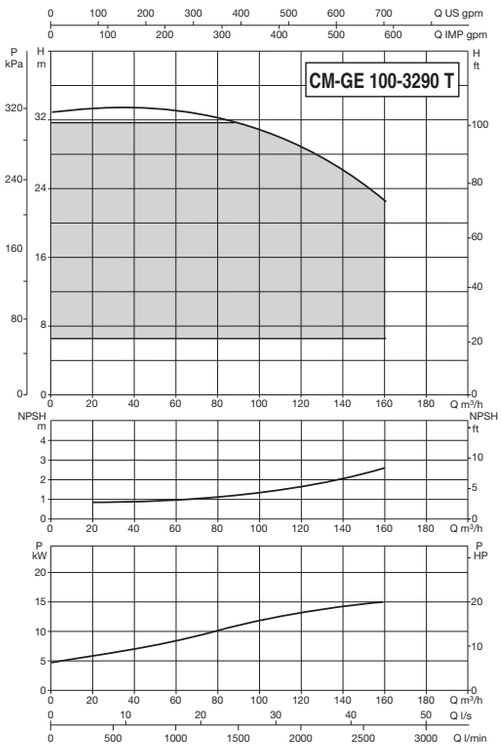


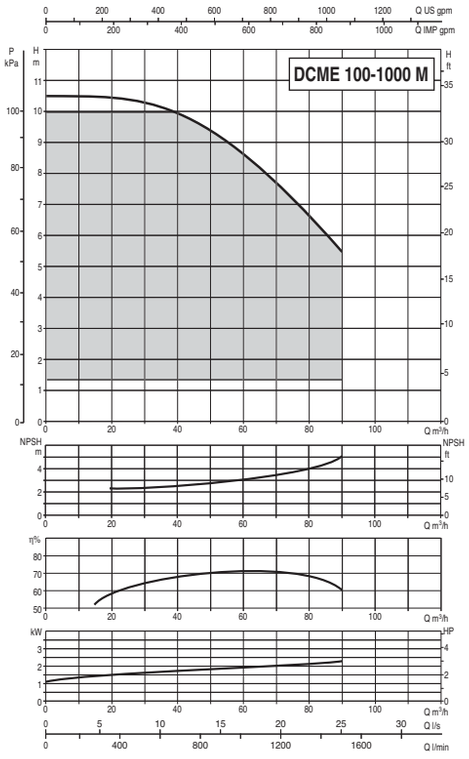


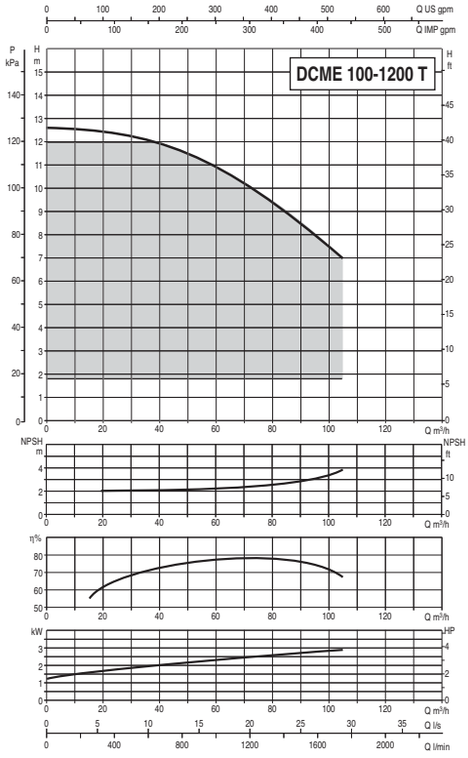
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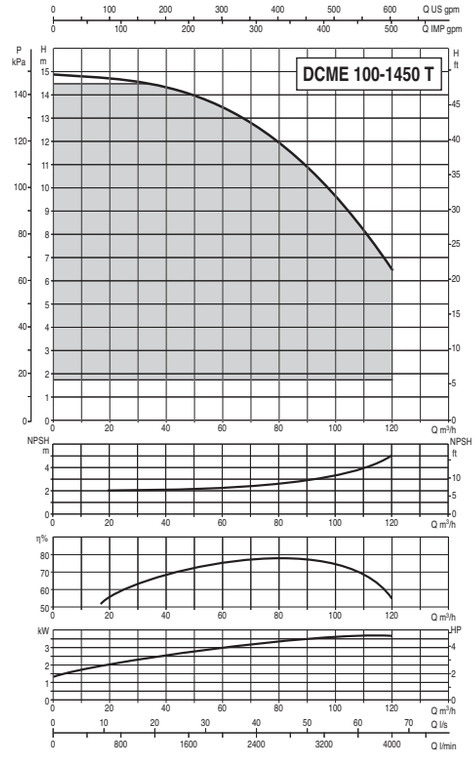
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS





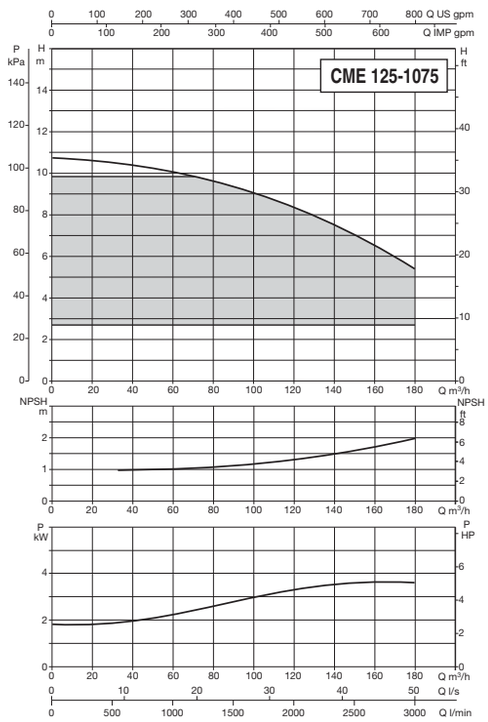


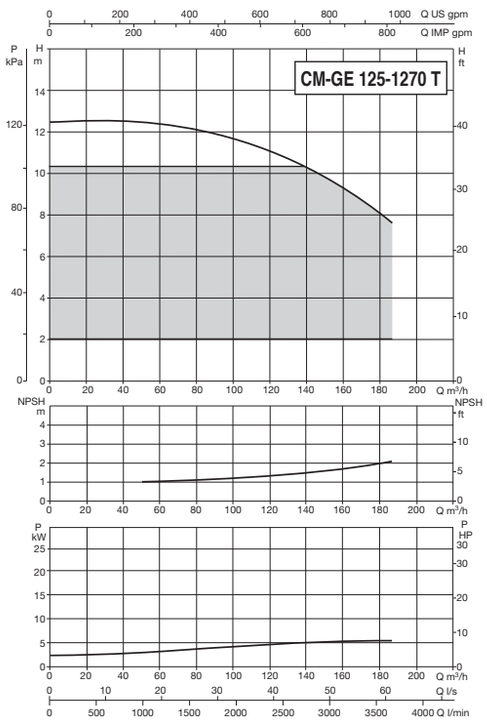


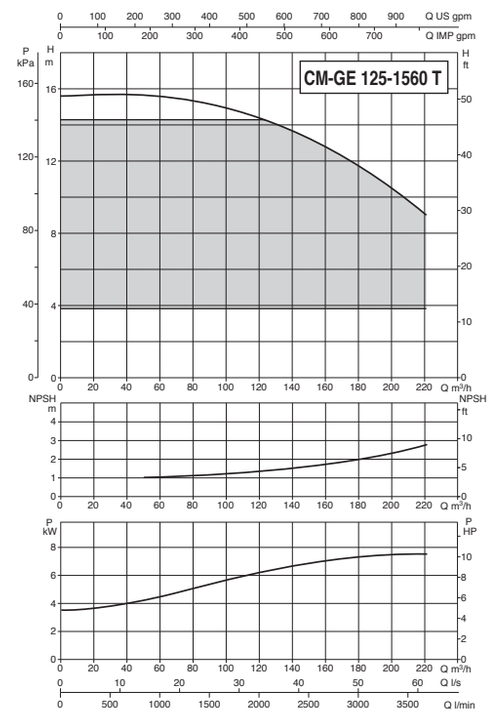
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

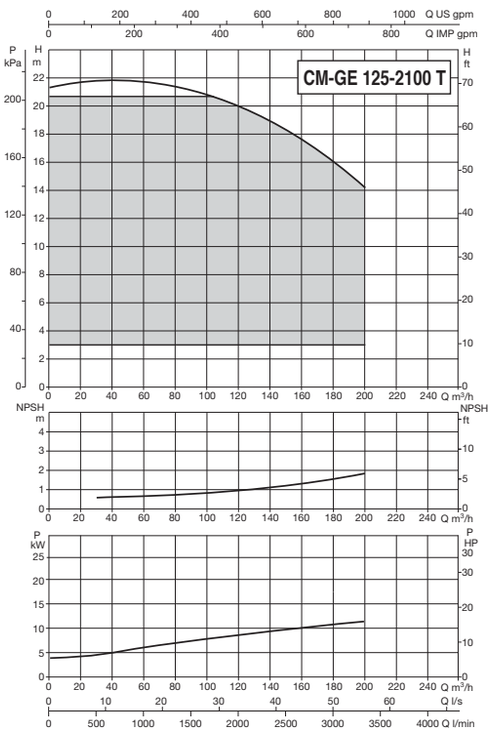
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS





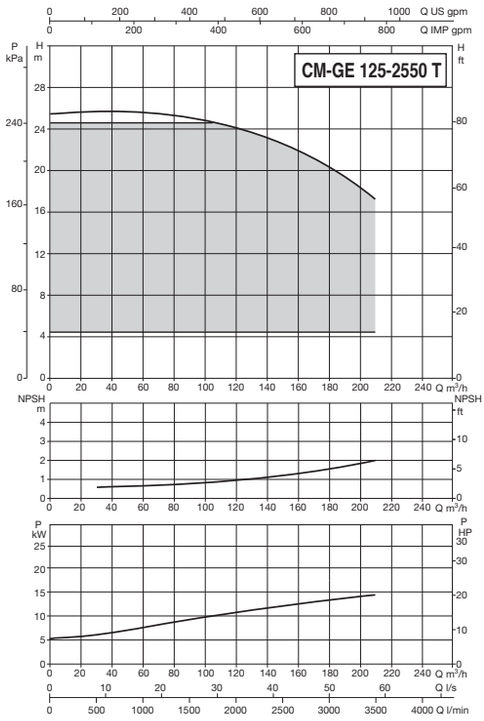


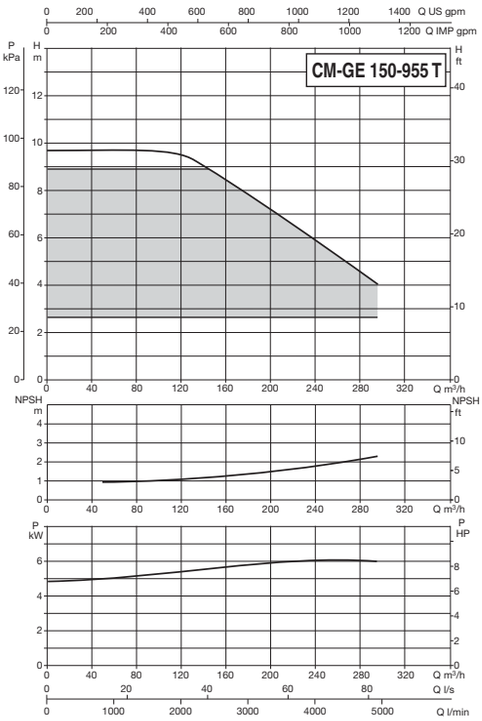


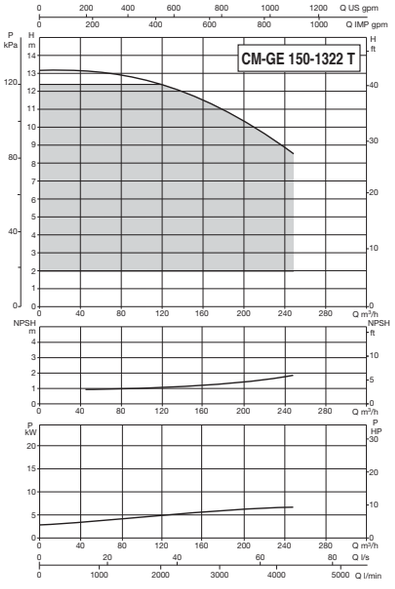
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

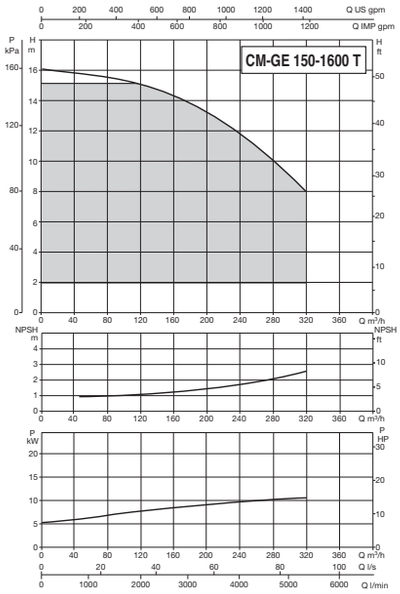
CME / CM-GE / DCME

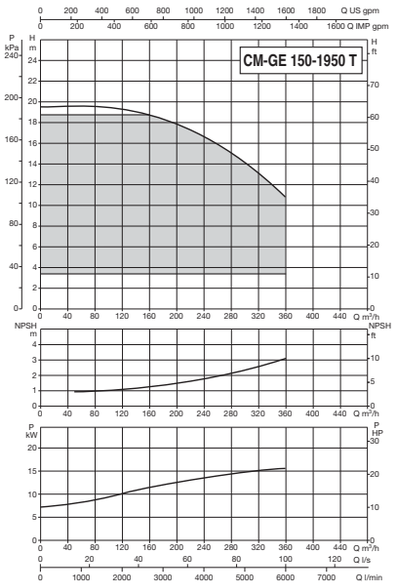
IN-LINE CONSTANT PRESSURE PUMPS







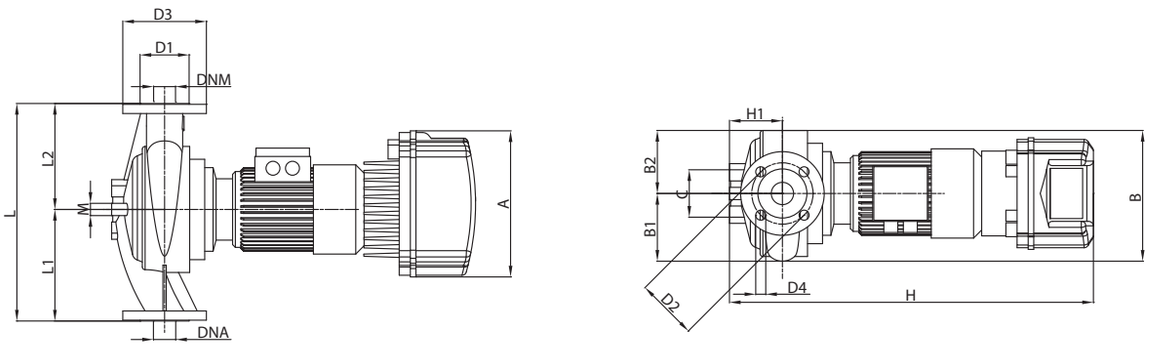




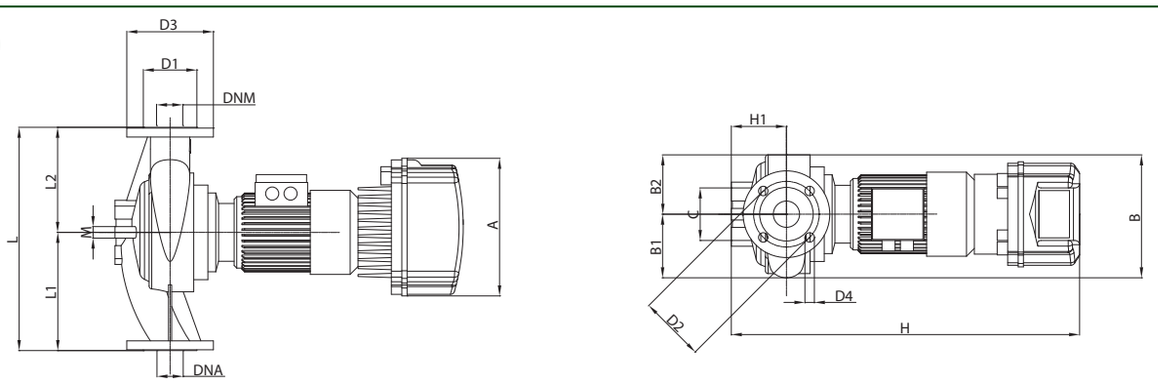
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

DIMENSIONS AND WEIGHTS

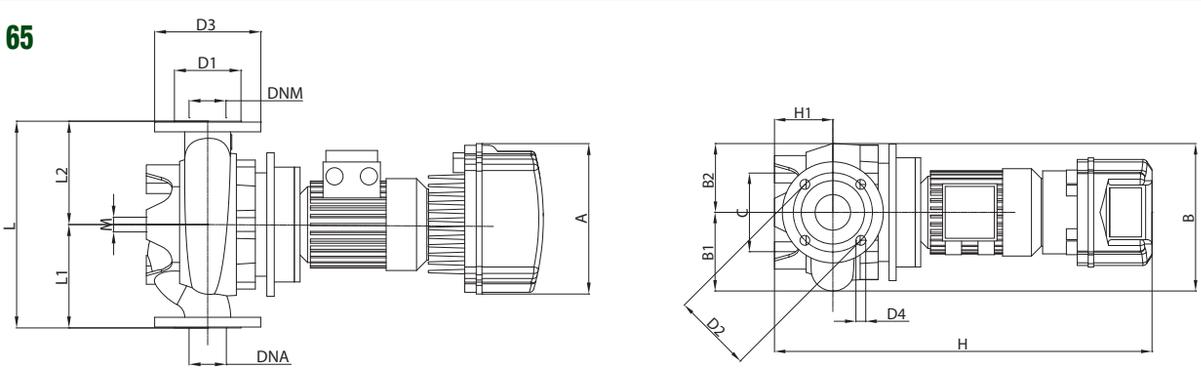
CME 40



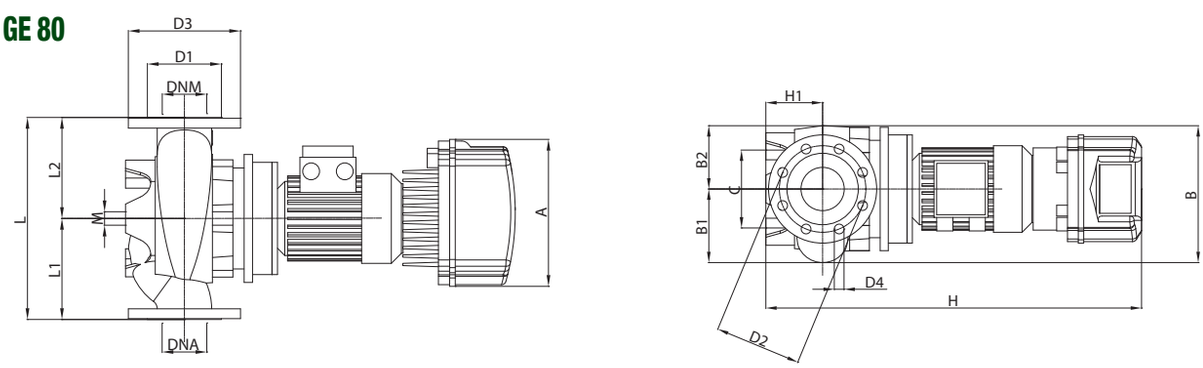
CME 50



CM - GE 65



CM - GE 80

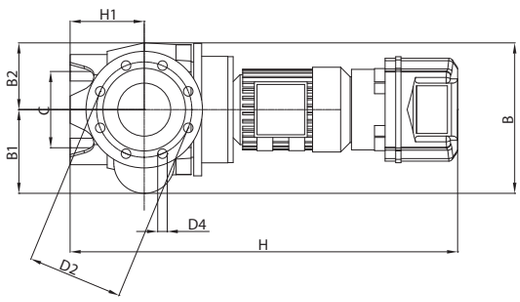


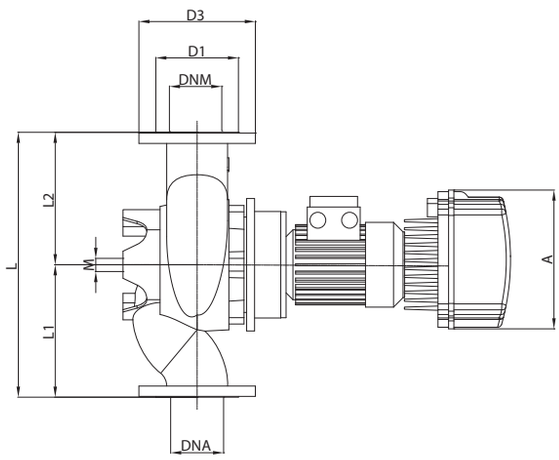
CME / CM-GE / DCME
IN-LINE CONSTANT PRESSURE PUMPS

MODEL	A	B	B1	B2	C	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKAGING DIMENSIONS			WEIGHT KG
																L/A	L/B	H	
CME 40- 870 M MCE11/C	262	231	118	113	85	88	110	150	4X18	653	95	390	200	190	12	500	270	810	45
CME 40-1450 M MCE11/C	262	231	118	113	85	88	110	150	4X18	645	100	380	200	180	12	500	270	810	35
CME 50-1000 M MCE11/C	262	233	120	113	100	102	125	165	4X18	663	105	425	225	200	12	500	270	810	51
CME 50-1420 M MCE11/C	262	280	149	131	-	102	125	165	4X18	695	110	400	220	180	-	500	270	810	40
CME 65-660/A/BAQE/0.55 M MCE11/C	262	270	144	126	144	122	145	185	4X18	713	105	360	180	180	16	650	400	945	62
CM-GE 65 920/A/ BAQE/0.75 M MCE11/C	262	270	144	126	144	122	145	185	4X18	713	105	360	180	180	16	650	400	945	64
CM-GE 65 1200/A/ BAQE/1.5 M MCE15/C	262	344	180	164	144	122	145	185	4X18	764	125	475	237,5	237,5	16	650	400	945	91
CM-GE 65-1680/A/ BAQE/3 T MCE30/C	353	344	180	164	144	122	145	185	4X18	821	125	475	237,5	237,5	16	650	400	945	101
CM-GE 65-2380/A/ BAQE/4 T MCE55/C	353	344	180	164	144	122	145	185	4X18	821	125	475	237,5	237,5	16	650	400	945	115
CM-GE 80- 650/A/ BAQE/0.75 M MCE11/C	262	252	135	117	144	138	160	200	8X18	716	105	360	180	180	16	650	400	945	67
CM-GE 80- 890/A/ BAQE/1.5 M MCE15/C	262	324	178	146	144	138	160	200	8X18	765	115	440	220	220	16	650	400	945	98
CM-GE 80 1530/A/BAQE/3 T MCE30/C	353	354	190	164	144	138	160	200	8X18	822	115	500	250	250	16	650	400	945	134
CM-GE 80-1700/A/ BAQE/4 T MCE55/C	353	354	190	164	144	138	160	200	8X18	822	115	500	250	250	16	650	400	945	147
CM-GE 80-2410/A/ BAQE/5.5 T MCE55/C	353	469	245	224	230	138	160	200	8X18	1067	140	620	310	310	16	700	600	600	175
CM-GE 80-2700/A/ BAQE/7.5 T MCE110/C	426	469	245	224	230	138	160	200	8X18	1115	140	620	310	310	16	700	600	1220	205
CM-GE 80-3420/A/ BAQE/11 T MCE110/C	426	469	245	224	230	138	160	200	8X18	1115	140	620	310	310	16	700	600	1220	222

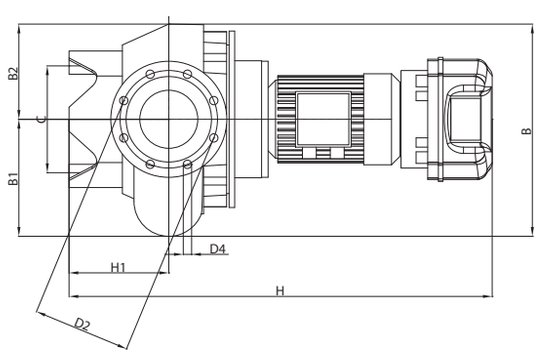
CME / CM-GE / DCME
IN-LINE CONSTANT PRESSURE PUMPS

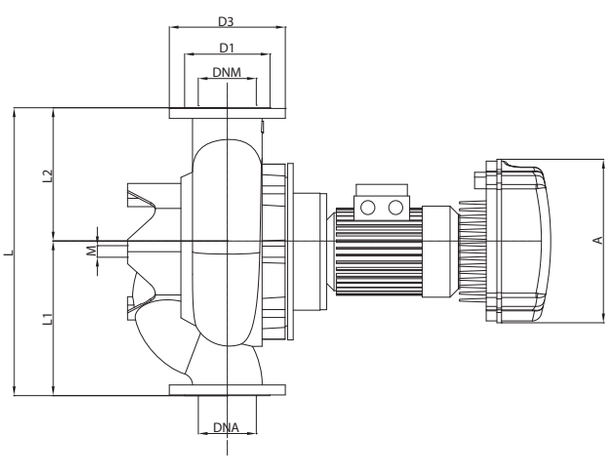
CM-GE 100



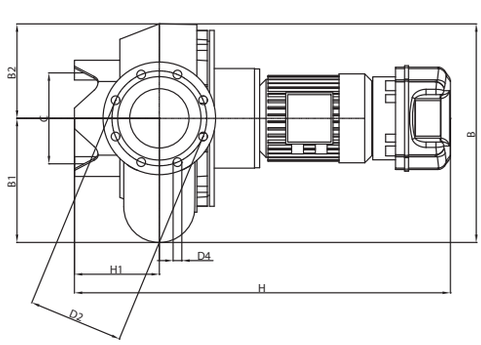


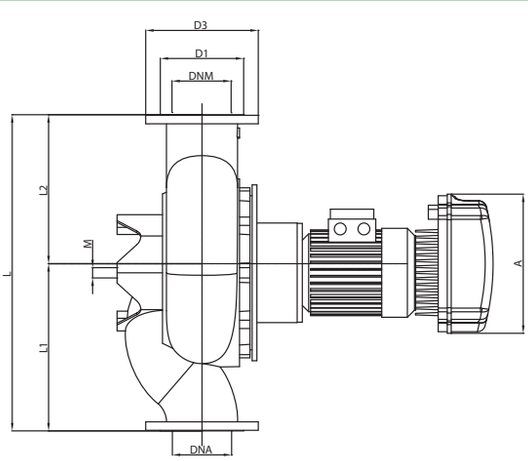
CM-GE 125





CM-GE 150





CME / CM-GE / DCME

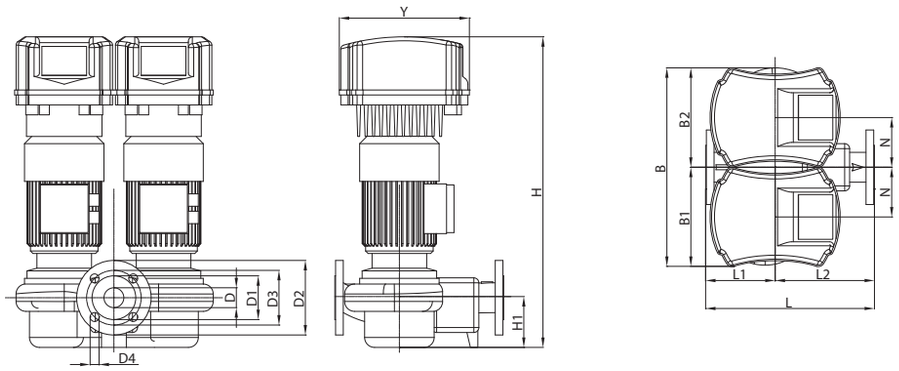
IN-LINE CONSTANT PRESSURE PUMPS

MODEL	A	B	B1	B2	C	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKAGING DIMENSIONS			WEIGHT KG
																L/A	L/B	H	
CM-GE 100- 510/A/BAQE/0.75 M MCE11/C	262	284	158	126	144	158	180	220	8x18	753	140	500	250	250	16	650	400	945	104
CM-GE 100- 660/A/BAQE/2,2 M MCE22/C	262	346	193	153	230	158	180	220	8x18	844	140	550	275	275	16	650	400	945	113
CM-GE 100-1020/A/BAQE/3 T MCE30/C	353	346	193	153	230	158	180	220	8x18	844	140	550	275	275	16	650	400	945	118
CM-GE 100-1320/A/BAQE/4 T MCE55/C	353	378	204	174	230	158	180	220	8x18	881	140	550	275	275	16	650	400	945	150
CM-GE 100-1650/A/BAQE/5,5 T MCE55/C	353	378	204	174	230	158	180	220	8x18	1021	140	550	275	275	16	650	400	945	172
CM-GE 100-2050/A/BAQE/7,5 T MCE110/C	426	545	293	252	230	158	180	220	8x18	1155	175	670	335	335	16	700	600	1220	252
CM-GE 100-2550/A/BAQE/11 T MCE110/C	426	545	293	252	230	158	180	220	8x18	1155	175	670	335	335	16	700	600	1220	255
CM-GE 100-3290/A/BAQE/15 T MCE150/C	426	545	293	252	230	158	180	220	8x18	1357	175	670	335	335	16	900	550	1200	350
CM-GE 125-1075/A/ BAQE/4 T MCE55/C	353	457	252	205	230	188	210	250	8X18	962	215	620	310	310	16	700	600	1220	207
CM-GE 125-1270/A/BAQE/5.5 T MCE55/C	353	457	252	205	230	188	210	250	8X18	1101	215	620	310	310	16	700	600	1220	209
CM-GE 125-1560/A/BAQE/7.5 T MCE110/C	426	457	252	205	230	188	210	250	8X18	1199	215	620	310	310	16	700	600	1220	228
CM-GE 125-2100/A/BAQE/11 T MCE110/C	426	519	274	245	230	188	210	250	8X18	1267	215	800	400	400	16	900	550	1200	307
CM-GE 125-2550/A/BAQE/15 T MCE150/C	426	519	274	245	230	188	210	250	8X18	1407	215	800	400	400	16	900	550	1200	363
CM-GE 150- 955/A/BAQE/5.5 T MCE55/C	353	538	299	239	230	212	240	285	8X22	1110	215	800	400	400	16	900	550	1200	274
CM-GE 150-1322/A/ BAQE/7.5 T MCE110/C	426	538	299	239	230	212	240	285	8X22	1208	215	800	400	400	16	900	550	1200	294
CM-GE 150-1600/A/ BAQE/11 T MCE110/C	426	538	299	239	230	212	240	285	8X22	1270	215	800	400	400	16	900	550	1200	306
CM-GE 150-1950/A/ BAQE/15 T MCE150/C	426	538	299	239	230	212	240	285	8X22	1411	215	800	400	400	16	900	550	1500	356

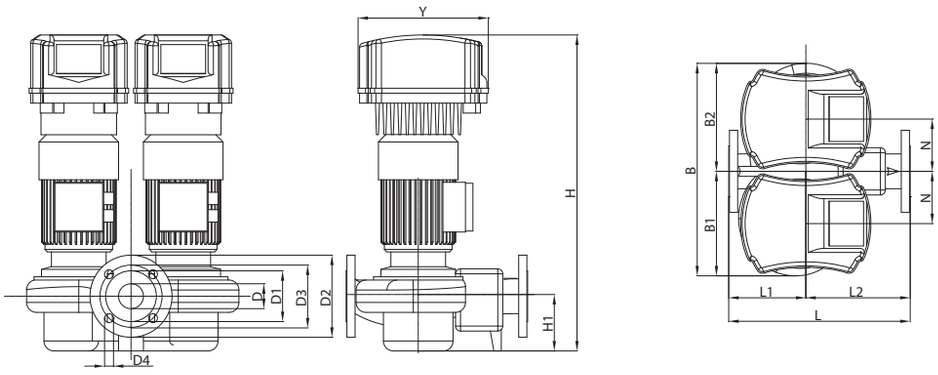
CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS

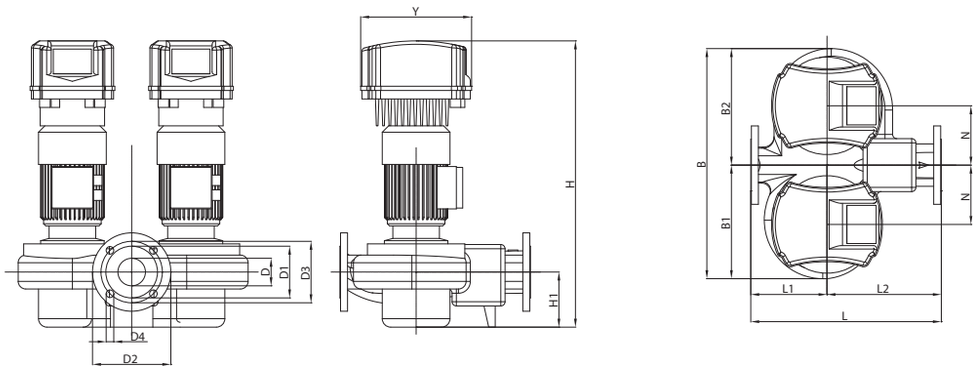
DCME 40



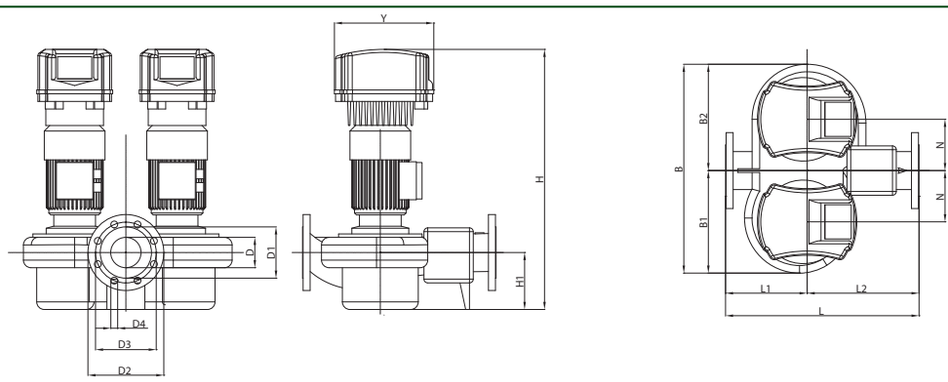
DCME 50



DCME 65



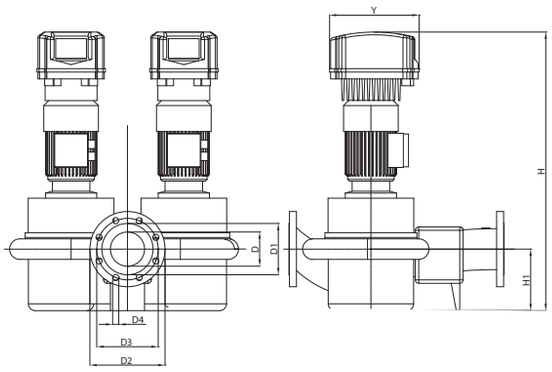
DCME 80

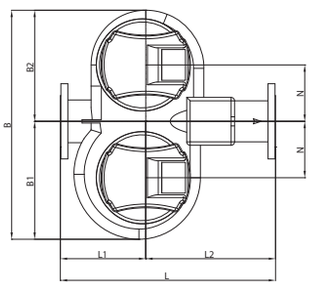


CME / CM-GE / DCME

IN-LINE CONSTANT PRESSURE PUMPS

DCME 100





MODEL	L	L1	L2	B	B1	B2	H	H1	N	D	D1	D2	D3	D4	Y	PACKAGING DIMENSION			WEIGHT KG
																L/A	L/B	H	
DCME 40-620 M MCE11/C	340	130	210	400	200	200	625	100	100	40 PN16	88	150	110		262	520	400	710	45
DCME 50-460 M MCE11/C	365	145	220	427	217	210	635	110	105	50 PN16	102	165	125		262	520	400	710	50
DCME 50-880 M MCE11/C	410	170	240	480	235	245	635	110	105	50 PN16	102	165	125	4 HOLES Ø18	262	520	400	710	56
DCME 65-670 M MCE11/C	450	180	270	543	268	275	675	130	140	65 PN16	122	185	145		262	700	600	970	69
DCME 65-900 M MCE11/C	450	180	270	543	268	275	675	130	140	65 PN16	122	185	145		262	700	600	970	71
DCME 80-730 M MCE11/C	510	205	305	550	280	270	685	150	135	80 PN16	138	200	160		262	700	600	970	78
DCME 80-1020 M MCE15/C	510	205	305	550	280	270	735	150	135	80 PN16	138	200	160		262	700	600	970	92
DCME 100-1000 M MCE22/C	630	240	390	670	345	325	805	180	165	100 PN16	158	220	180	8 HOLES Ø18	262	700	700	1100	134
DCME 100-1200 T MCE30/C	630	240	390	670	345	325	715	180	165	100 PN16	158	220	180		353	700	700	1100	147
DCME 100-1450 T MCE55/C	630	240	390	670	345	325	735	180	165	100 PN16	158	220	180		353	700	700	1100	159

IN-LINE CONSTANT PRESSURE PUMPS

PERFORMANCE RANGE

CPE - CP-GE - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m3/h) (l/min)	0	3,6	4,8	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
	kW	HP		0	60	80	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
CPE 40/2300 M MCE11/C	1,1	1,5		21,8	21,8	21,3	21	18																			
CPE 40/3500 M MCE22/C	2,2	3		34,8	34,9	34,7	34,2	31,7																			
CPE 40/4700 T MCE55/C	4	5,5					47	44	39,5	35																	
CPE 40/5500 T MCE55/C	5,5	7,5					55	53	48	42																	
CPE 40/6200 T MCE110/C	7,5	10					62	59	54	49																	
CPE 50/2600 M MCE15/C	1,5	2					25	22	16																		
CPE 50/4100 T MCE55/C	4	5,5					40,7	38,5	34,5	27,7																	
CPE 50/4600 T MCE55/C	5,5	7,5							44	41,5	37	31															
CPE 50/5650 T MCE110/C	7,5	10							55,5	53	49	44															
CP-GE 65-1470/A/BAQE/1.5 M MCE15/C	1,5	2		14,7			14,5	14,3	13,8	13	11,8	10,5	8,6	7													
CP-GE 65-2280/A/BAQE/3 T MCE30/C	3	4		22,8			22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5												
CP-GE 65-2640/A/BAQE/4 T MCE55/C	4	5,5		26,4			26,2	26	25,6	25	24	23	21,5	19,5	17,5	15											
CP-GE 65-3400/A/BAQE/5.5 T MCE55/C	5,5	7,5		34					34	33,5	32,5	31	29,5	27	24												
CP-GE 65-4100/A/BAQE/7.5 T MCE110/C	7,5	10	H* (m)	41					41	41	40	39	37,5	35,5	33	30	26,5										
CP-GE 65-4700/A/BAQE/11 T MCE110/C	11	15		47							45,5	45	44,3	43,3	42	40,8	39	37	35	32,3							
CP-GE 65-5500/A/BAQE/15 T MCE150/C	15	20		55							56	55,5	54	53,5	52	51	49	47,5	45,5	43	41						
CP-GE 80-1400/A/BAQE/2.2 M MCE22/C	2,2	3		14						13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5							
CP-GE 80-2050/A/BAQE/4 T MCE55/C	4	5,5		20,5						20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5						
CP-GE 80-2400/A/BAQE/5.5 T MCE55/C	5,5	7,5		24						23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4					
CP-GE 80-2770/A/BAQE/7.5 T MCE110/C	7,5	10		27,7										27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1			
CP-GE 80-3250/A/BAQE/11 T MCE110/C	11	15		32,5										32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6			
CP-GE 80-4000/A/BAQE/15 T MCE150/C	15	20		40										40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9		
CP-GE 100-1600/A/BAQE/4 T MCE55/C	4	5,5		16								15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10,4	9,3	8				
CP-GE 100-1950/A/BAQE/5.5 T MCE55/C	5,5	7,5		19,5								19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12			
CP-GE 100-2350/A/BAQE/7.5 T MCE110/C	7,5	10		23,5								23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12		
CP-GE 100-2400/A/BAQE/11 T MCE110/C	11	15		24																	22	21,4	20,4	20	17,4	16,8	12
CP-GE 100-3050/A/BAQE/15 T MCE110/C	15	20		30,5																	29	28,4	27,5	27	24,5	21,3	18,3

DCPE - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m3/h) (l/min)	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36	42	48	54	60	75	90	105	120	135	150	165	180	195	210	225	225
	kW	HP		100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000
DCPE 40/1650 M MCE11/C	0,8	1		16,5	15,5	14,5	13,5	12,3	11	9,5	6																				
DCPE 40/2450 M MCE15/C	1,5	2		24,5	24	23,5	23	22	21	20	16,5	13																			
DCPE 50/1550 M MCE15/C	1,5	2								15,5	15	14,1	13	11,8	10,5	7															
DCPE 50/2450 T MCE30/C	3	4								24,5	24	23,5	23	22	20,5	17															
DCPE 50/3650 T MCE55/C	4	5,5								36,5	35,5	34,5	33,5	32,5	31	27															
DCPE 65/2300 T MCE30/C	3	4										23	22,5	22	21,5	19,8	17,5	15													
DCPE 65/2650 T MCE55/C	4	5,5											26,5	26	25,5	24,3	22,6	20,2	18												
DCPE 65/3250 T MCE55/C	5,5	7,5											32,5	32	31,5	30,5	29,5	28	26	23,5											
DCPE 65/3700 T MCE110/C	7,5	10	H (m)										37	36,5	36	35	34	32,5	31	29											
DCPE 80/2530 T MCE110/C	7,5	10															25,3	24,9	24,1	23,4	20,5	17	12,7								
DCPE 80/3050 T MCE110/C	10	13,5															30,5	30	29,5	29	26,5	24	20,5	16							
DCPE 80/3650 T MCE150/C	12,5	17															36,5	36	35,5	34,5	33	30	27	23	19						
DCPE 80/4100 T MCE150/C	15	20															41	40,5	40	39,5	38	35,5	33	29	24						
DCPE 100/2450 T MCE110/C	10	13,5																		24,5	23,5	22	20,5	18,5	16	13,5	10,5	7	3		
DCPE 100/2750 T MCE150/C	12,5	17																		27,5	26,5	25,5	24	22	20	17,5	15	12	8,6	5	
DCPE 100/2900 T MCE150/C	15	20																				29	28	26	24,5	22	20	17,5	14	11,3	7,5	3,5
DCPE 100/3300 T MCE150/C	12,5	17																		33	32,3	31	29	27	24,5	22	19				
DCPE 100/3750 T MCE150/C	15	20																			37,5	36,5	35	33	31	28,5	26				

CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS

NEW

CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS



Circulation pumps with in-line ports, suitable for installation in heating and air conditioning, refrigeration, and domestic hot water systems.
Extremely versatile thanks to the use of the **MCE/C** inverter, they offerr performance capable of adapting automatically to the system's various demands while keeping pressure differentials unchanged.
Available in single and twin version.
PN 16 flanged inlet and delivery mouths, fitted with threaded holes for pressure gauges.
Pump body and support in cast iron, impeller in cast iron or technopolymer depending on model (in bronze, on request, only from DN 65 to DN 150).
Stainless steel drive shaft.
Sealing device: standardised mechanical seal made to DIN 24960 in carbon / carborundum with O' rings in EPDM. 2 pole three-phase indication motor with external cooling. Rotor running on ball bearings, oversized to ensure low noise and durability. Constructed following the CEI 2-3 standards

Operating range: from 1.2 to 230 m3/h with head up to 56 meters.
Liquid temperature range:
- 15 °C ÷ +120 °C for DN 40 - 50 and all DCPE
-10 °C ÷ +140 °C for DN 65 - 150
Liquid quality requirements: clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallised and chemically neutral and close to the characteristics of water.
Installation: Fixed, horizontal or vertical provided the motor is always above the pump.
Maximum ambient temperature: +40°C
Maximum working pressure: 16 bar
Protection rating: IP 55
Insulation Class: F
Flanging :PN 16
Counter-flanges on request: DN 40 - DN 50 - DN 65 - DN 80 - DN 100 - DN 125 - DN 150; PN 16.

TECHNICAL DATA - CPE / CP-GE *SINGLE FLANGED*

2800 rpm 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA					DNA	DNM
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A		
CPE 40/2300 M MCE11/C* [1]	60142730	1x220-240 V ~	1,63	1,10	1,50	12,3	40	40
CPE 40/3500 M MCE22/C* [1]	60142510	1x220-240 V ~	2,32	2,20	3,00	16,8	40	40
CPE 40/4700 T MCE55/C*	60142731	3x400 V ~	5,11	4,00	5,50	9,6	40	40
CPE 40/5500 T MCE55/C*	60142791	3x400 V ~	6,90	5,50	7,50	13,2	40	40
CPE 40/6200 T MCE110/C*	60142792	3x400 V ~	9,64	7,50	10,00	18,8	40	40
CPE 50/2600 M MCE15/C* [1]	60142793	1x220-240 V ~	1,98	1,50	2,00	14,6	50	50
CPE 50/4100 T MCE55/C*	60142794	3x400 V ~	3,99	4,00	5,50	7,3	50	50
CPE 50/4600 T MCE55/C*	60142511	3x400 V ~	6,90	5,50	7,50	13,2	50	50
CPE 50/5650 T MCE110/C*	60142795	3x400 V ~	9,64	7,50	10,00	18,8	50	50
CP-GE 65-1470/A/BAQE/1.5 M MCE15/C* [1]	60142226	1x220-240 V ~	2,10	1,5	2	15,4	65	65
CP-GE 65-2280/A/BAQE/3 T MCE30/C*	60142309	3x400 V ~	3,89	3	4	7,1	65	65
CP-GE 65-2640/A/BAQE/4 T MCE55/C*	60142732	3x400 V ~	5,15	4	5,5	9,7	65	65
CP-GE 65-3400/A/BAQE/5.5 T MCE55/C*	60142743	3x400 V ~	6,72	5,5	7,7	12,9	65	65
CP-GE 65-4100/A/BAQE/7.5 T MCE110/C*	60141858	3x400 V ~	9,14	7,5	10	17,8	65	65
CP-GE 65-4700/A/BAQE/11 T MCE110/C*	60142796	3x400 V ~	14,84	11	15	29,4	65	65
CP-GE 65-5500/A/BAQE/15 T MCE150/C*	60142797	3x400 V ~	19,27	15	20	38,3	65	65
CP-GE 80-1400/A/BAQE/2.2 M MCE22/C* [1]	60142200	1x220-240 V ~	2,63	2,2	3	18,7	80	80

*** NEW IE2 MOTOR**

[1] Three-phase versions available on request

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - CPE / CP-GE *SINGLE FLANGED*

2800 rpm 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA					DNA	DNM
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A		
				kW	HP			
CP-GE 80-2050/A/BAQE/4 T MCE55/C*	60142206	3x400 V ~	5,57	4	5,5	10,5	80	80
CP-GE 80-2400/A/BAQE/5.5 T MCE55/C*	60142799	3x400 V ~	6,72	5,5	7,5	12,9	80	80
CP-GE 80-2770/A/BAQE/7.5 T MCE110/C*	60142294	3x400 V ~	9,14	7,5	10	17,8	80	80
CP-GE 80-3250/A/BAQE/11 T MCE110/C*	60142800	3x400 V ~	13,18	11	15	26,0	80	80
CP-GE 80-4000/A/BAQE/15 T MCE150/C*	60142801	3x400 V ~	17,33	15	20	34,4	80	80
CP-GE 100-1600/A/BAQE/4 T MCE55/C*	60142207	3x400 V ~	5,15	4	5,5	9,7	100	100
CP-GE 100-1950/A/BAQE/5.5 T MCE55/C*	60142803	3x400 V ~	6,72	5,5	7,5	12,9	100	100
CP-GE 100-2350/A/BAQE/7.5 T MCE110/C*	60142804	3x400 V ~	9,14	7,5	10	17,8	100	100
CP-GE 100-2400/A/BAQE/11 T MCE110/C*	60142805	3x400 V ~	14,15	11	15	28,0	100	100
CP-GE 100-3050/A/BAQE/15 T MCE110/C*	60142806	3x400 V ~	17,97	15	20	35,7	100	100

*** NEW IE2 MOTOR**

TECHNICAL DATA - DCPE *TWIN FLANGED*

2800 rpm 1/min - 2 poles

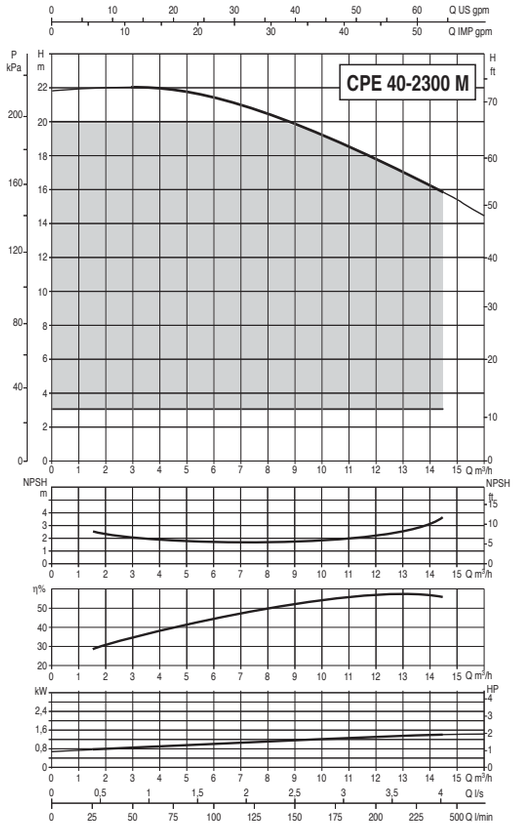
MODEL	CODE	ELECTRICAL DATA					DNA	DNM
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A		
				kW	HP			
DCPE 40/1650 M MCE11/C*	60142842	1x220-240 V ~	1,10	0,75	1	9,0	40	40
DCPE 40/2450 M MCE15/C* [1]	60142279	1x220-240 V ~	2,17	1,50	2,00	15,8	40	40
DCPE 50/1550 M MCE15/C* [1]	60142843	1x220-240 V ~	2,17	1,50	2,00	15,8	50	50
DCPE 50/2450 T MCE30/C*	60142844	3x400 V ~	3,72	3,00	4,00	6,8	50	50
DCPE 50/3650 T MCE55/C*	60142845	3x400 V ~	5,11	4,00	5,50	9,6	50	50
DCPE 65/2300 T MCE30/C*	60142846	3x400 V ~	3,72	3,00	4,00	6,8	65	65
DCPE 65/2650 T MCE55/C*	60142847	3x400 V ~	5,11	4,00	5,50	9,6	65	65
DCPE 65/3250 T MCE55/C*	60142848	3x400 V ~	6,90	5,50	7,50	13,2	65	65
DCPE 65/3700 T MCE110/C*	60142849	3x400 V ~	9,64	7,5	10,0	18,8	65	65
DCPE 80/2530 T MCE110/C*	60142850	3x400 V ~	9,64	7,5	10,0	18,8	80	80
DCPE 80/3050 T MCE110/C*	60142851	3x400 V ~	13,08	10	13,5	25,8	80	80
DCPE 80/3650 T MCE150/C*	60142852	3x400 V ~	15,89	12,5	17,0	31,5	80	80
DCPE 80/4100 T MCE150/C*	60142853	3x400 V ~	18,84	15	20,0	37,5	80	80
DCPE 100/2450 T MCE110/C*	60142854	3x400 V ~	13,08	10	13,5	25,8	100	100
DCPE 100/2750 T MCE150/C*	60142855	3x400 V ~	15,89	12	16,2	31,5	100	100
DCPE 100/2900 T MCE150/C*	60142856	3x400 V ~	18,84	15	20,0	37,5	100	100
DCPE 100/3300 T MCE150/C*	60142857	3x400 V ~	15,89	12,5	17,0	31,5	100	100
DCPE 100/3750 T MCE150/C*	60142858	3x400 V ~	18,84	15	20,0	37,5	100	100

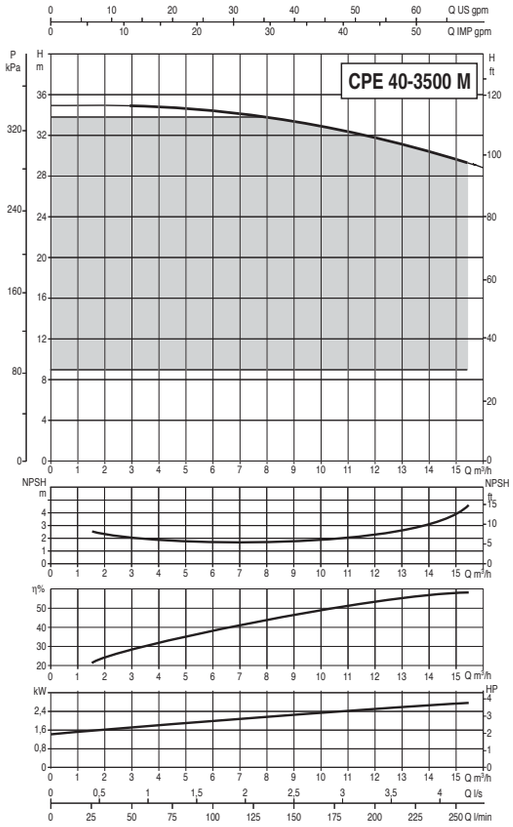
*** NEW IE2 MOTOR**

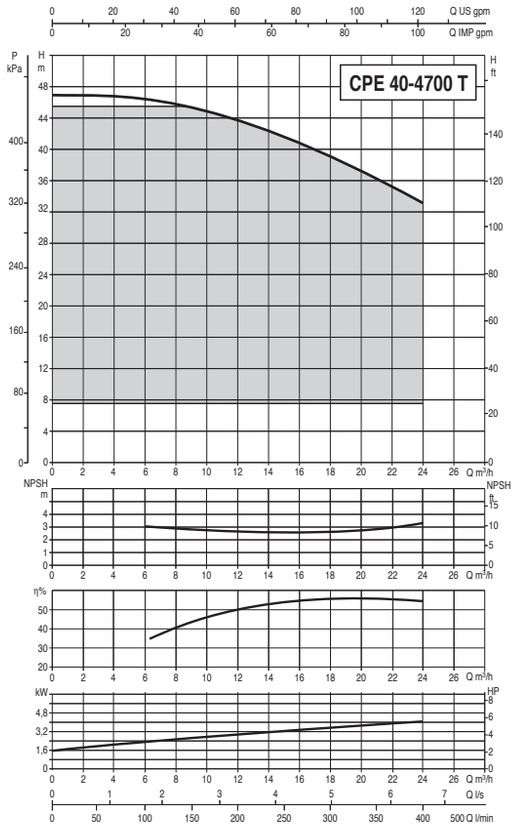
[1] Three-phase versions available on request

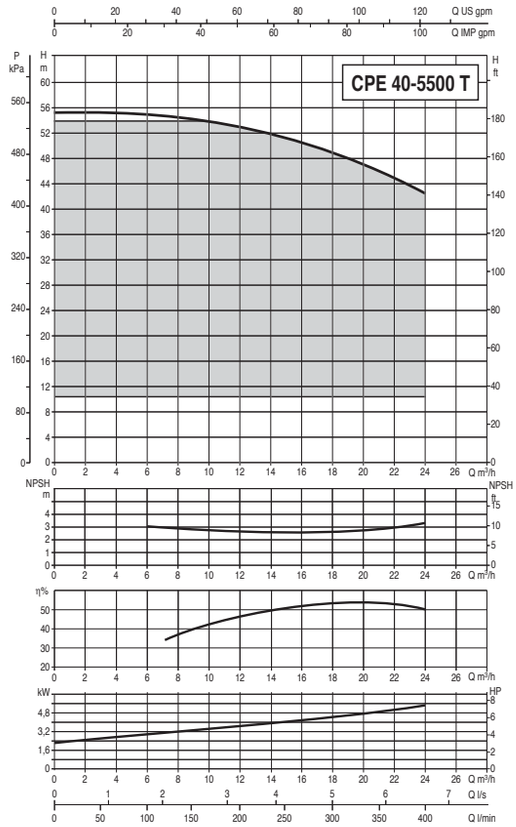
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





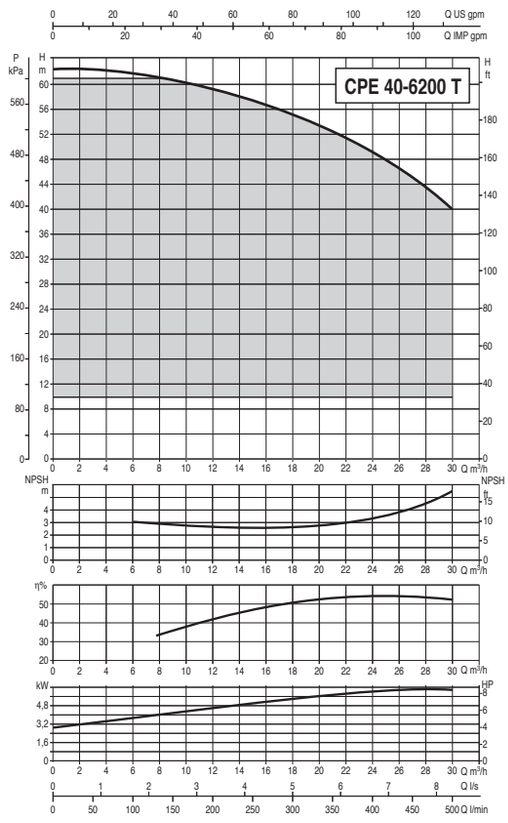


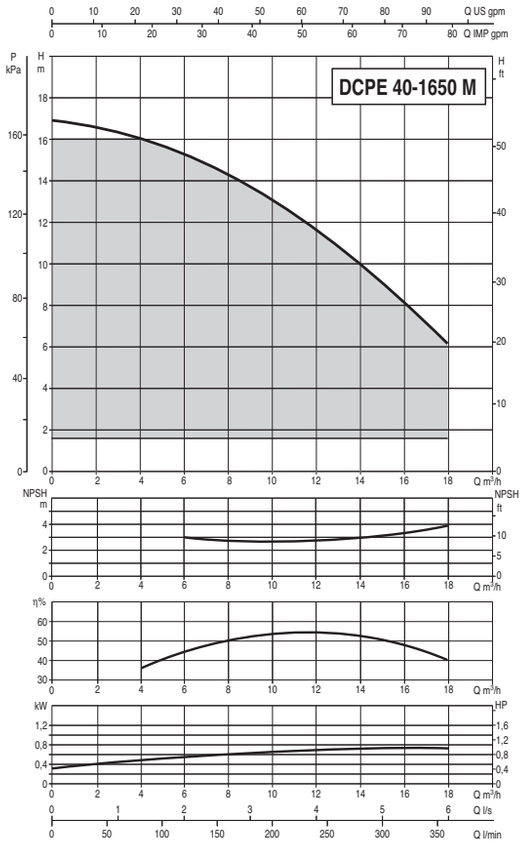


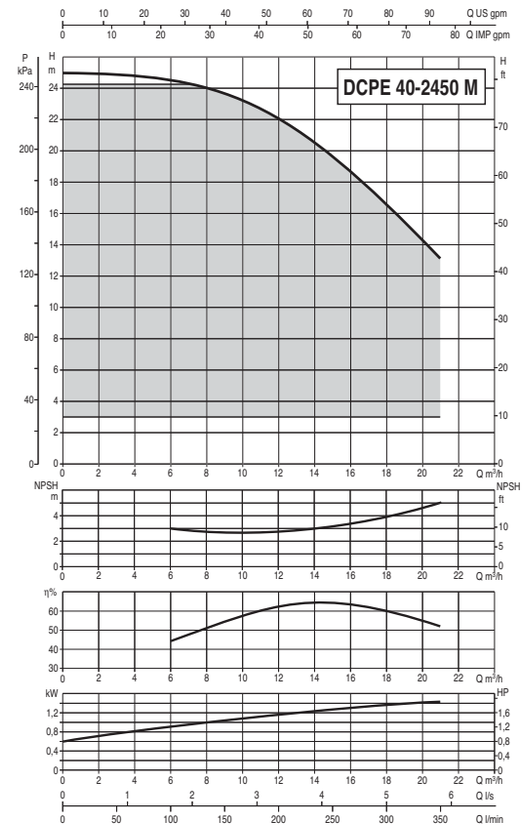
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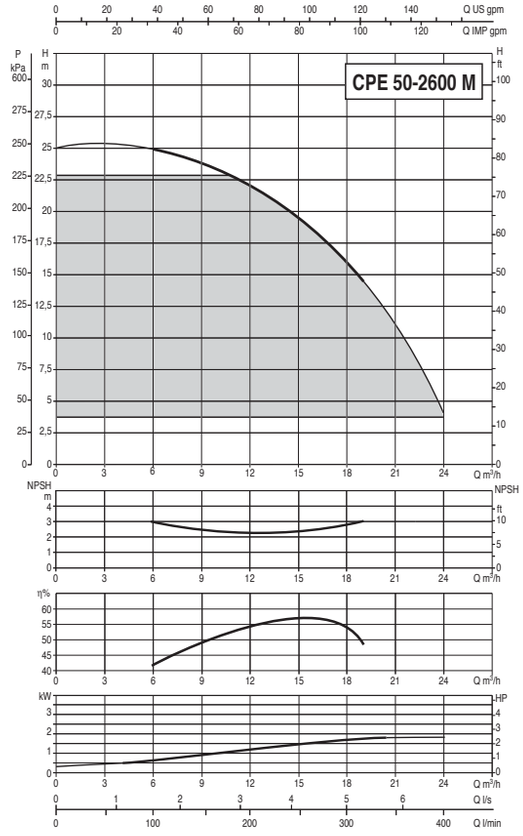
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





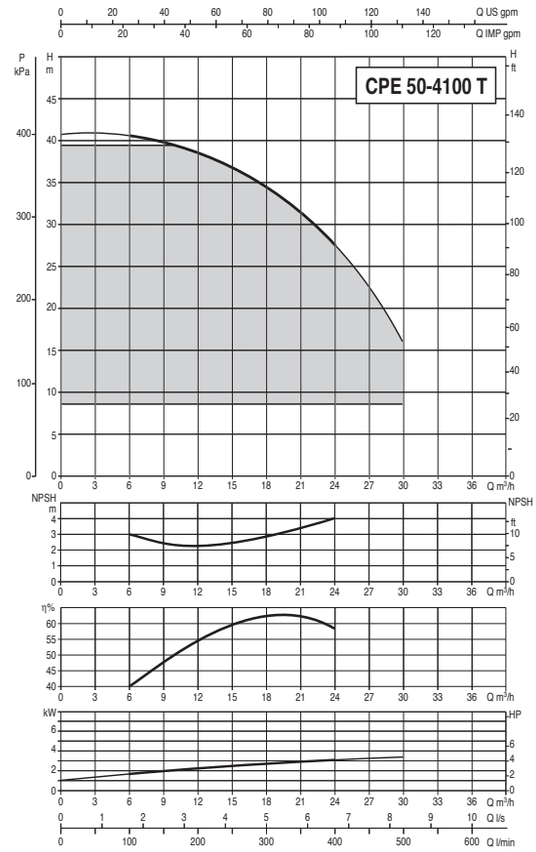


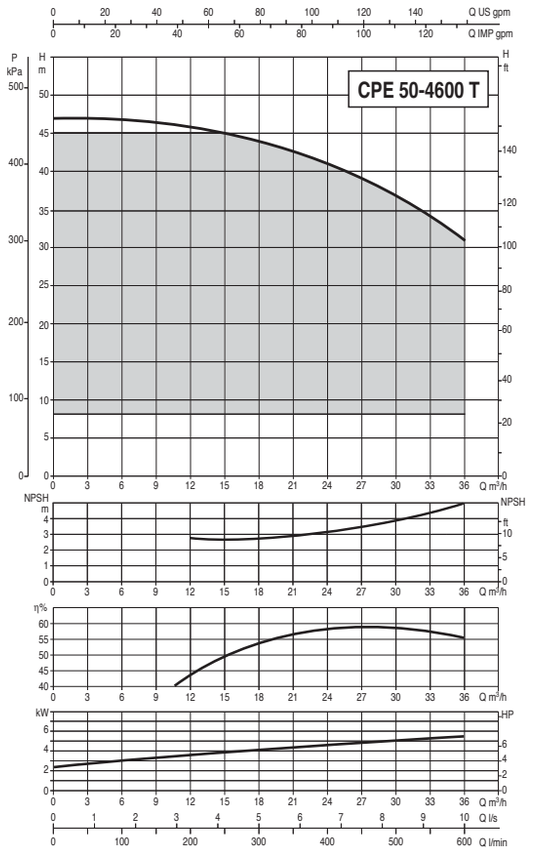


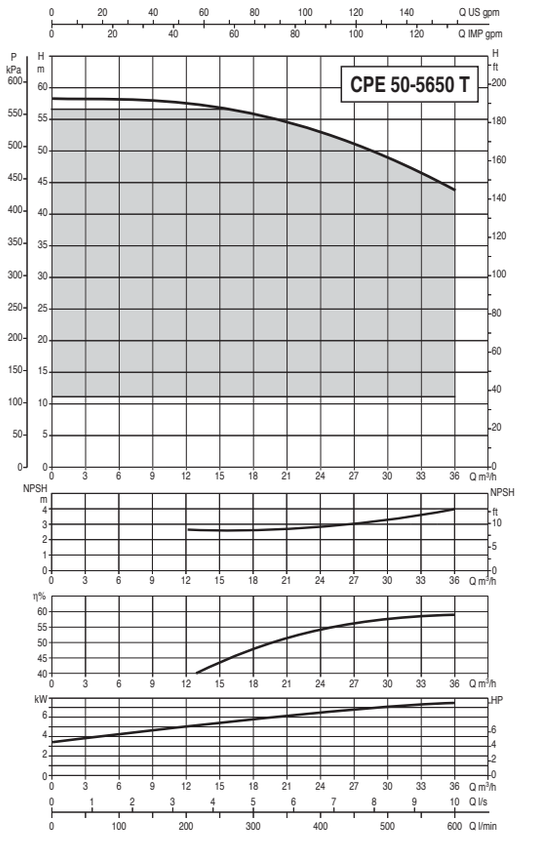
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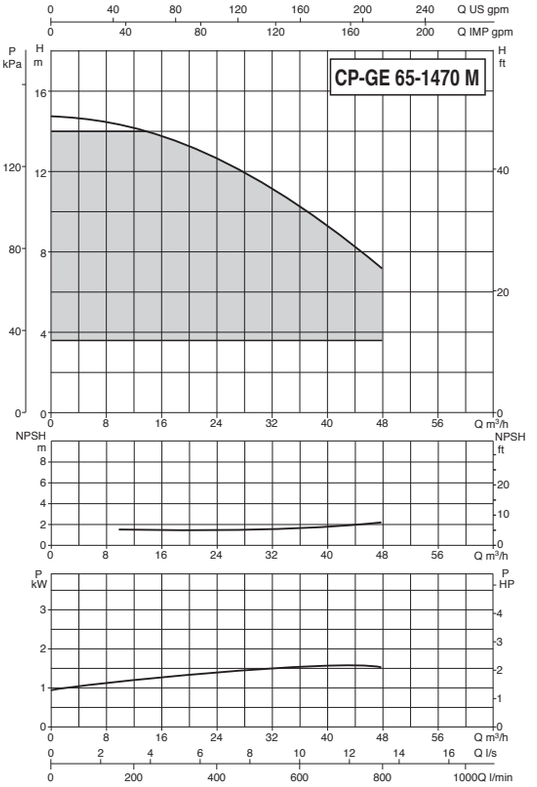
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS



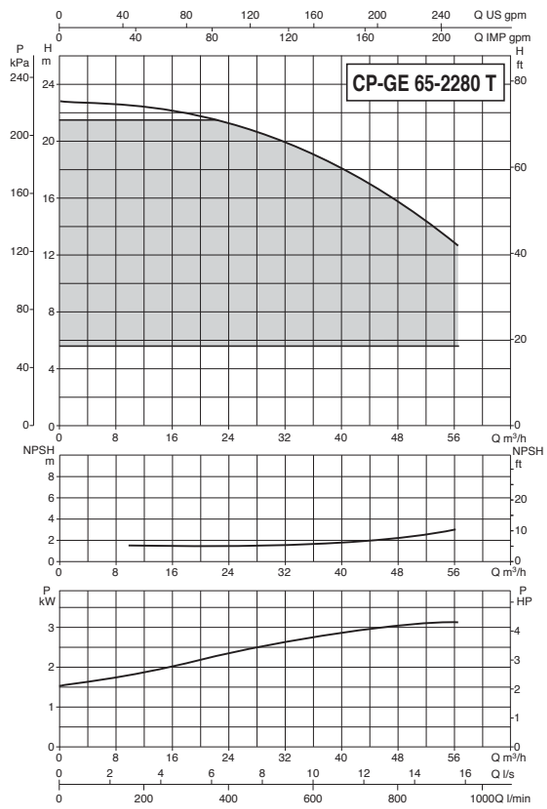


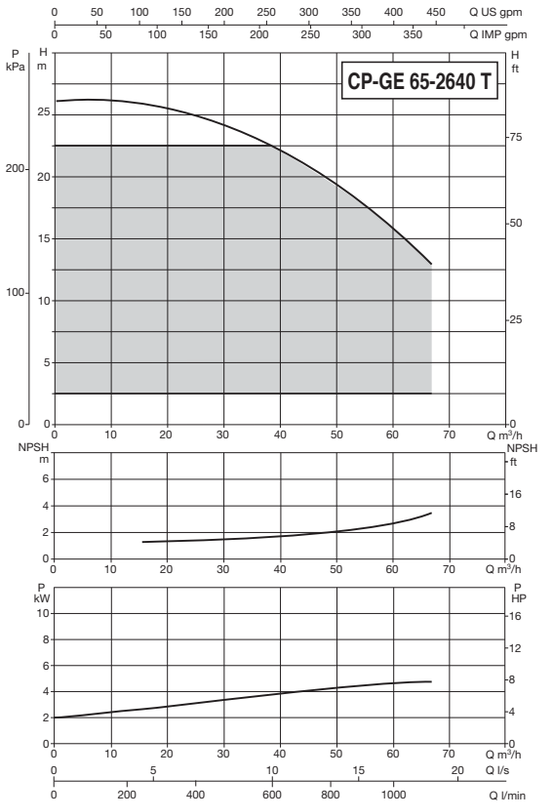


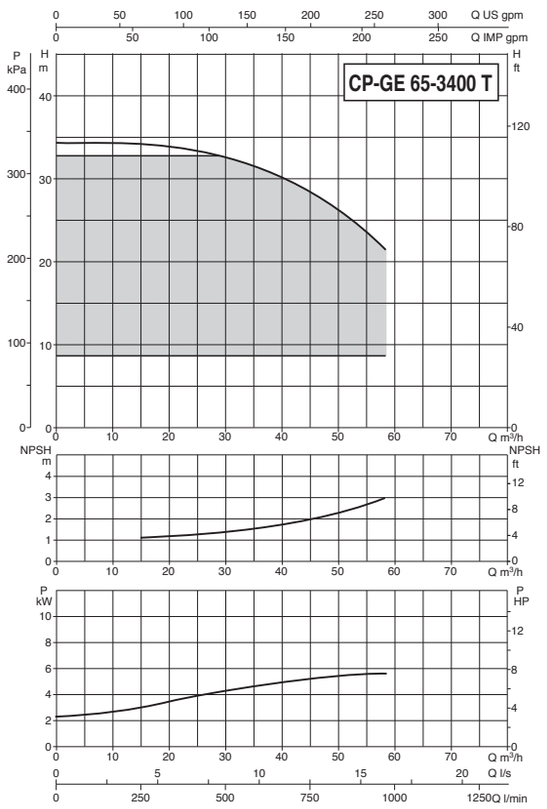


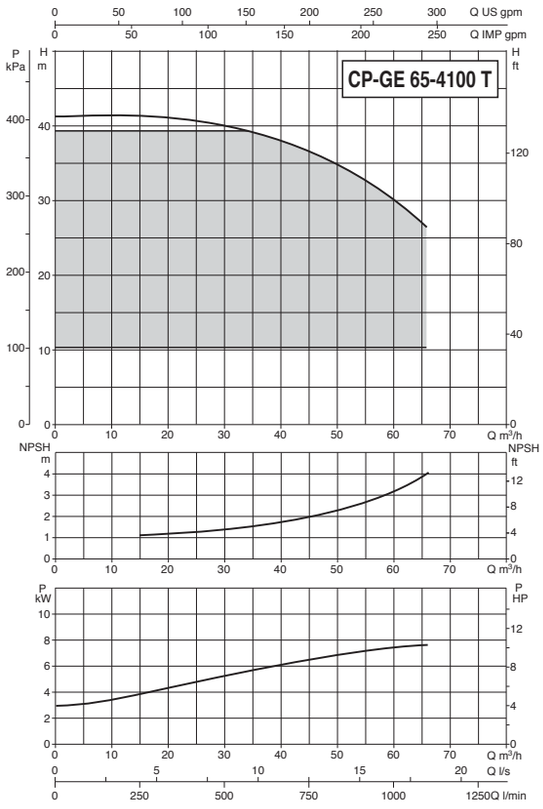
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

CPE / CP-GE / DCPE
IN-LINE CONSTANT PRESSURE PUMPS





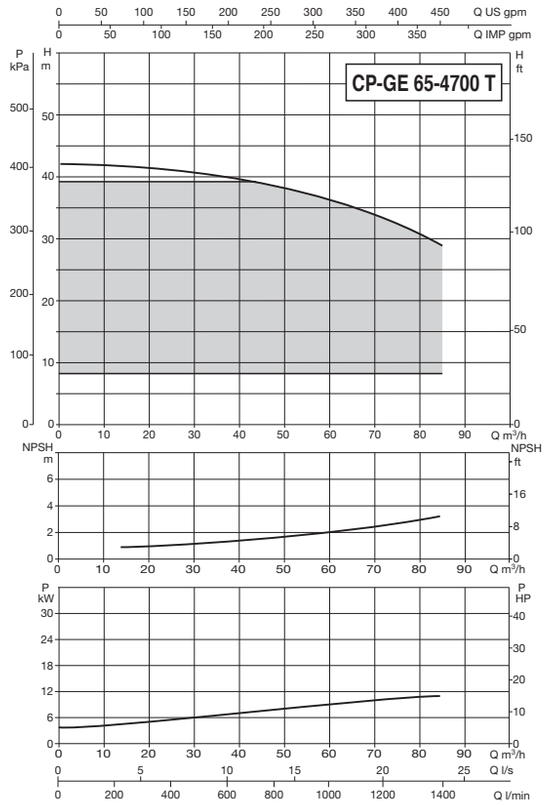


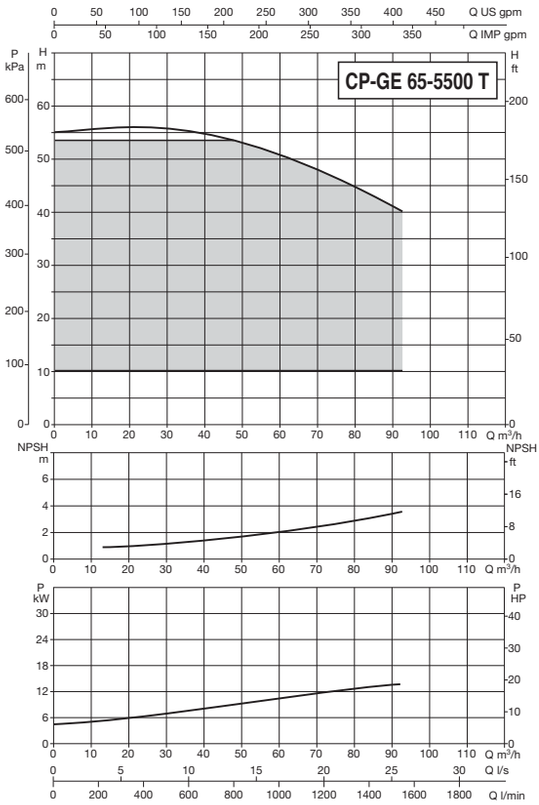


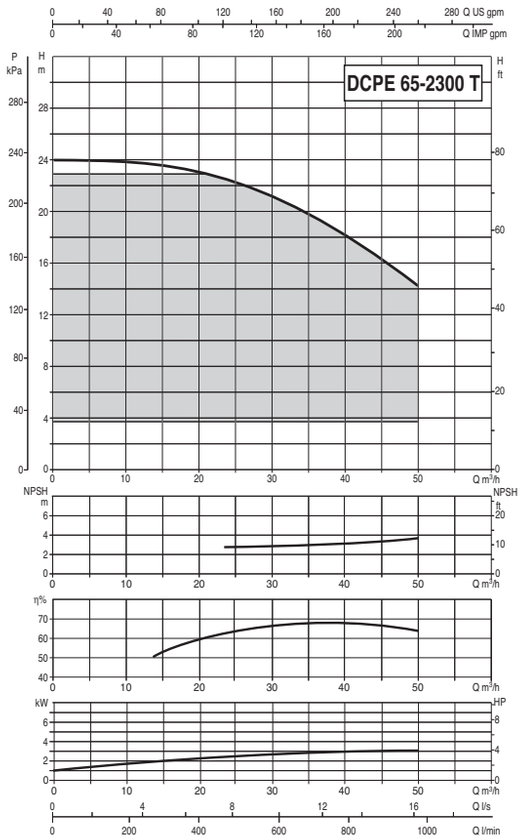
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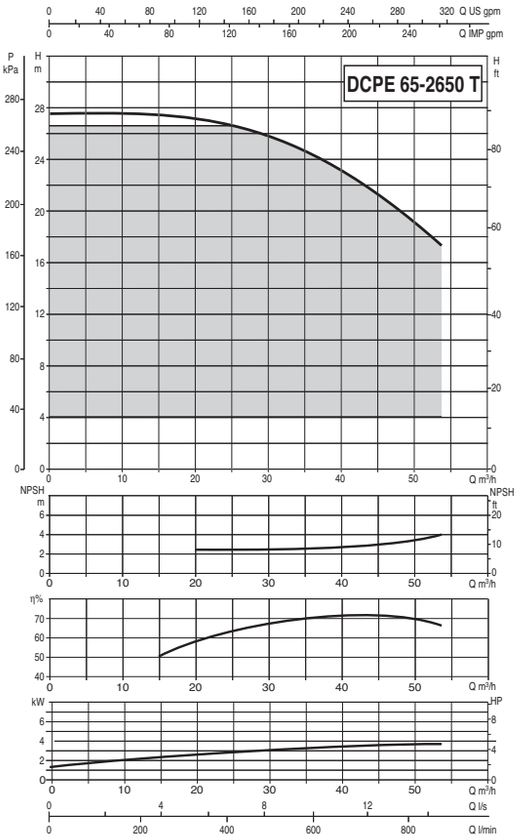
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





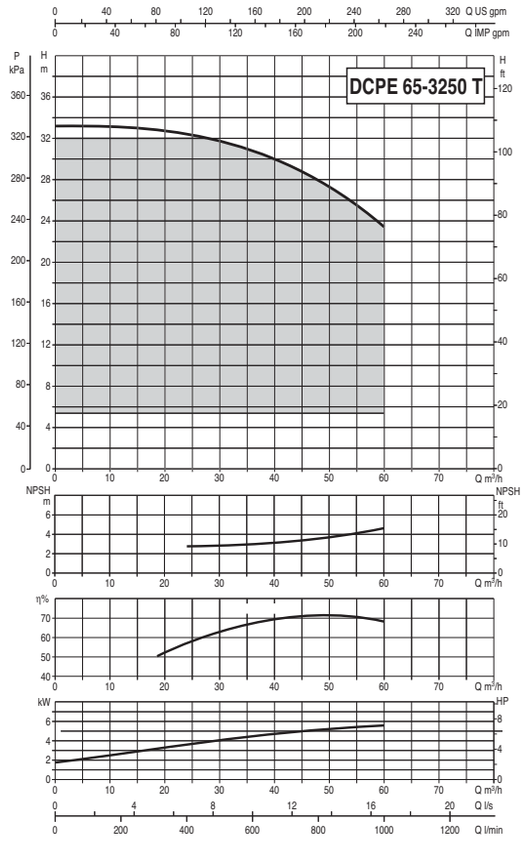


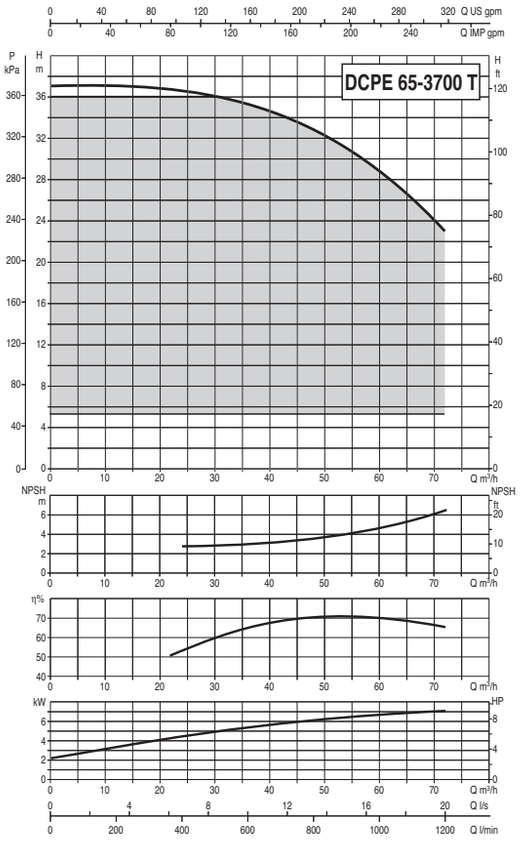


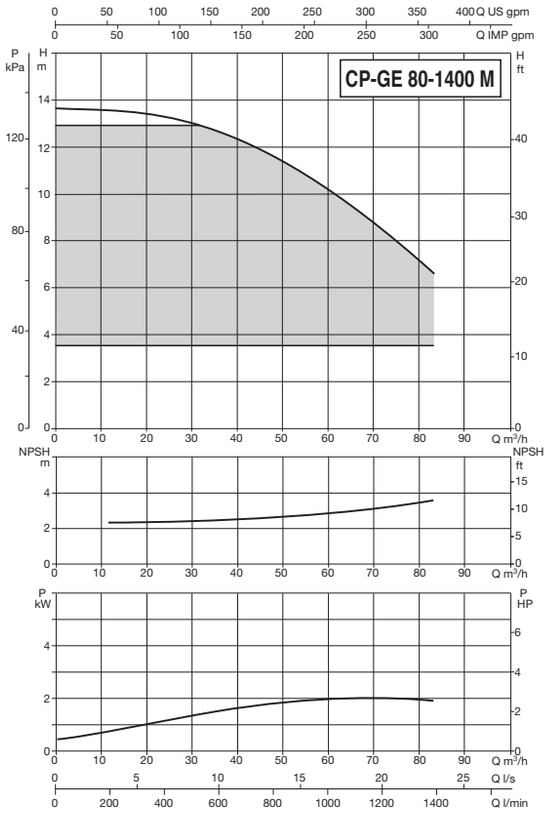
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

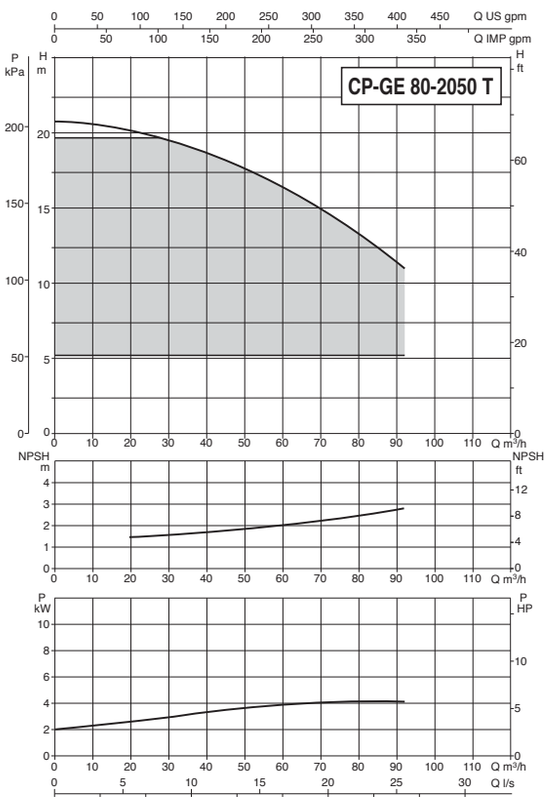
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





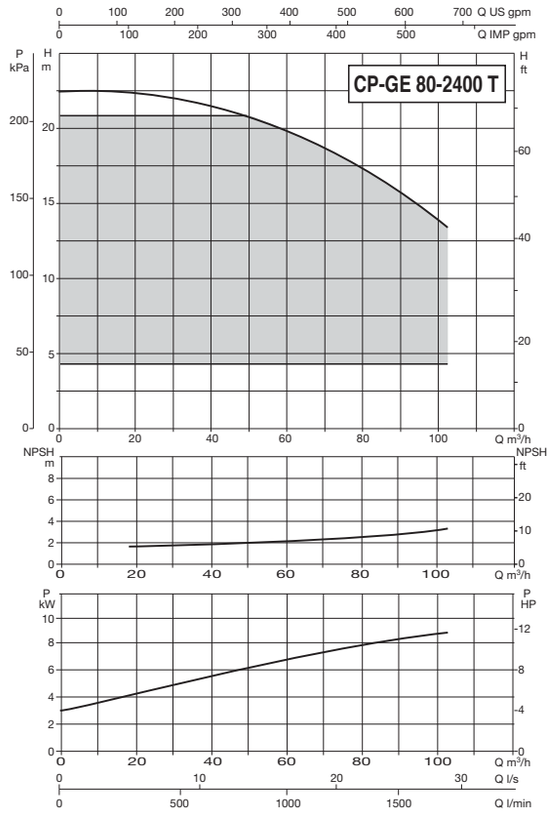


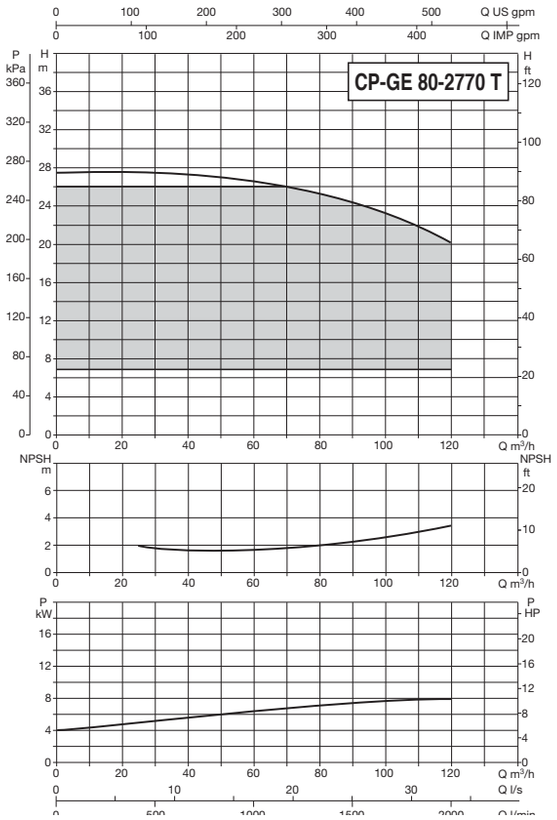


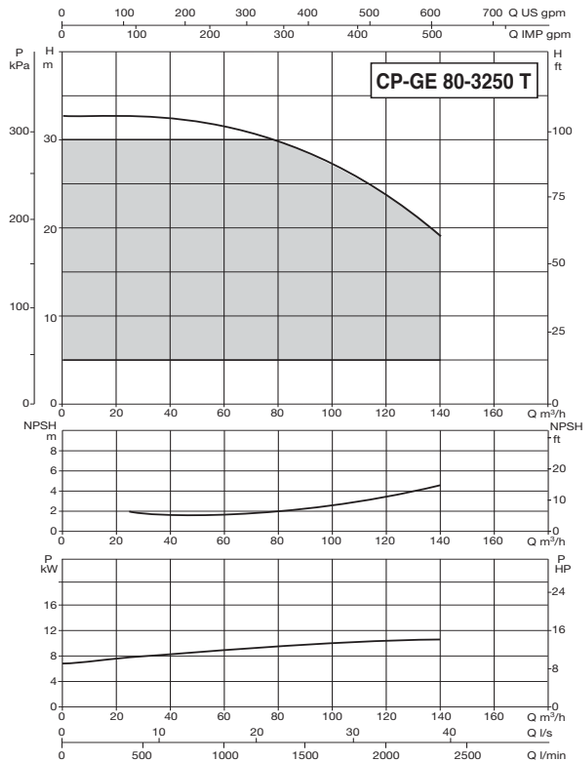
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

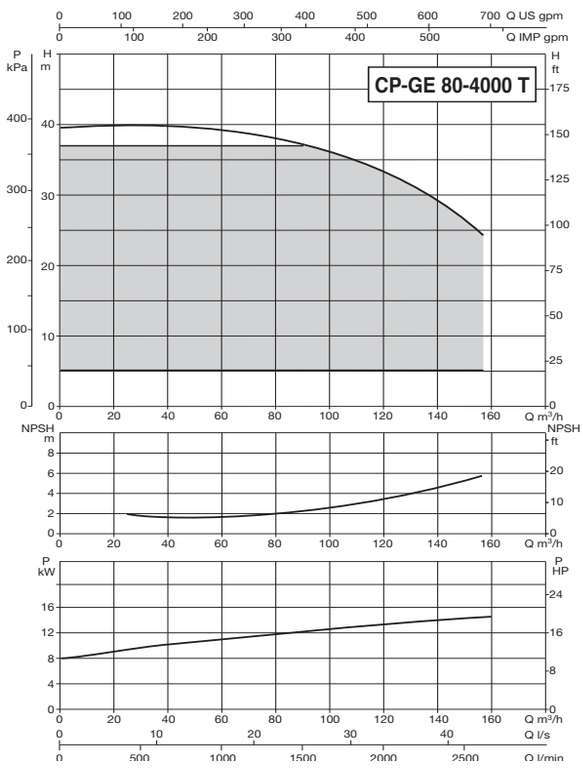
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





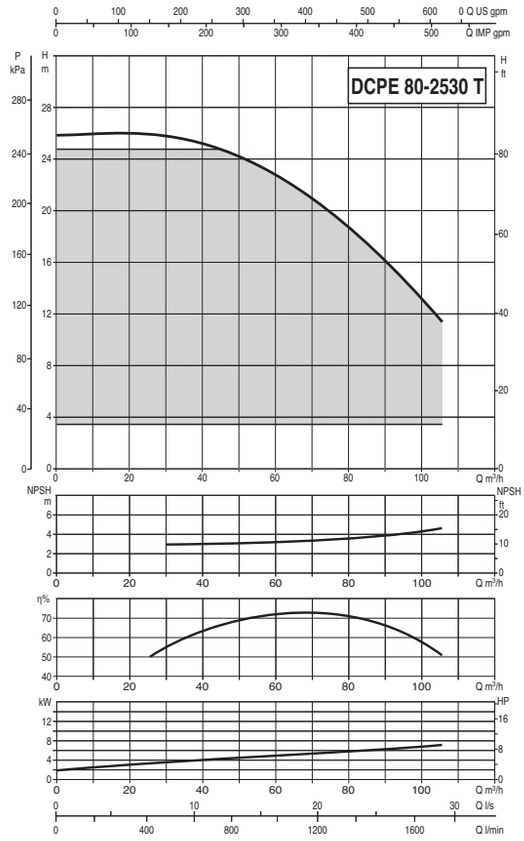


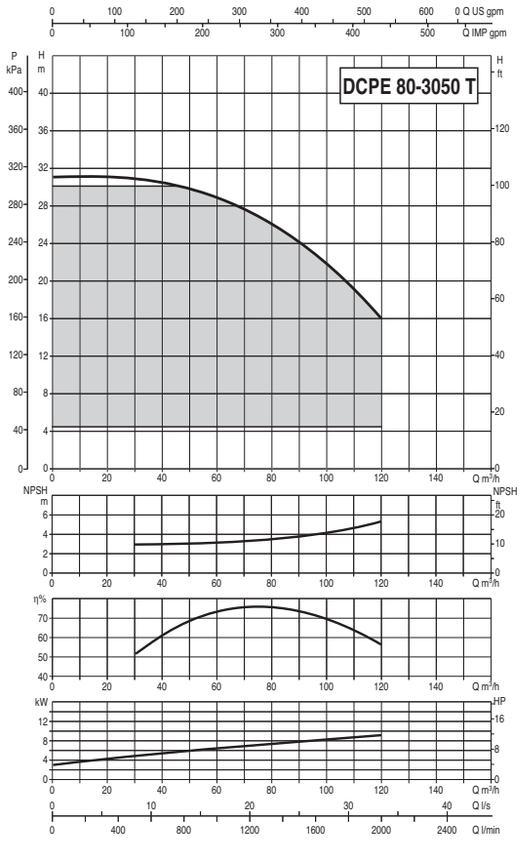


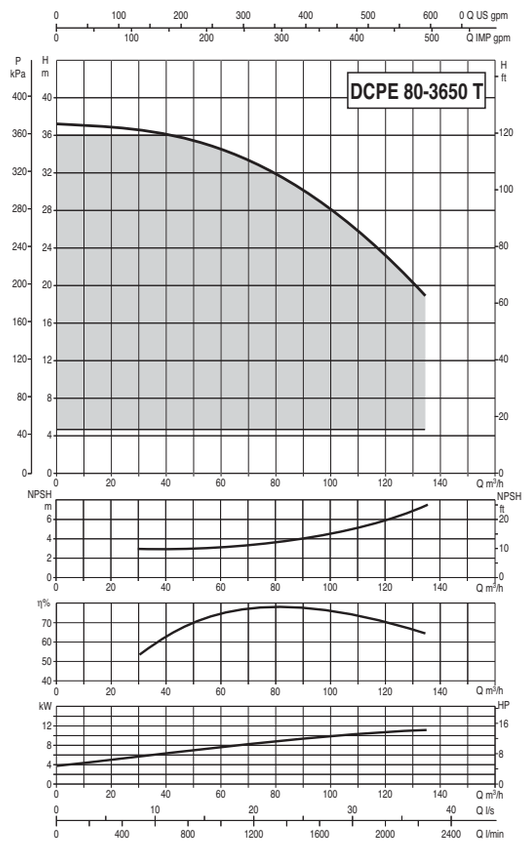
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

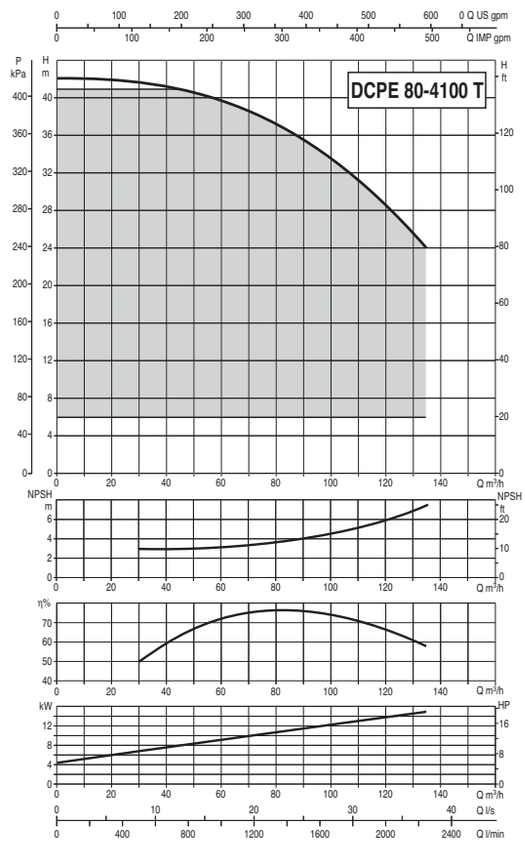
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





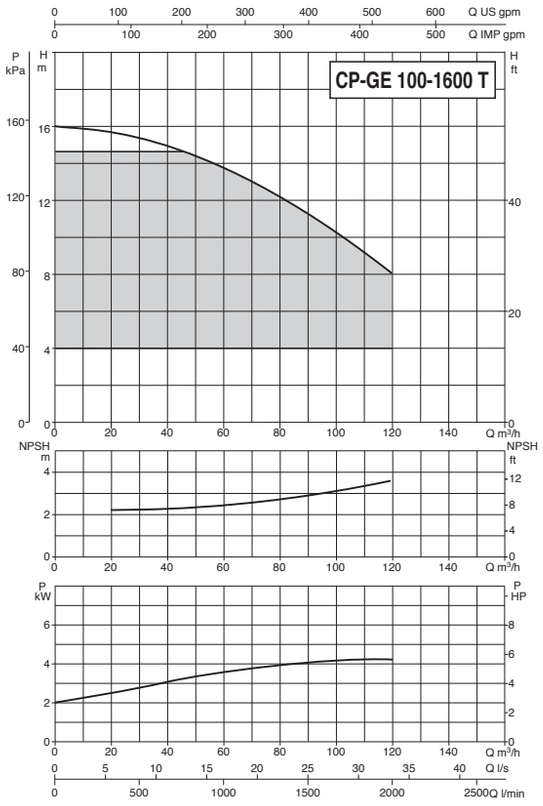


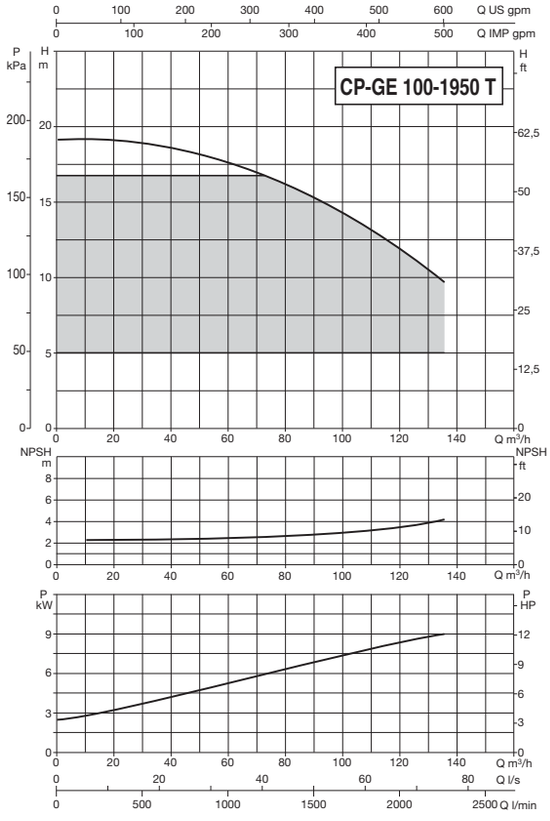


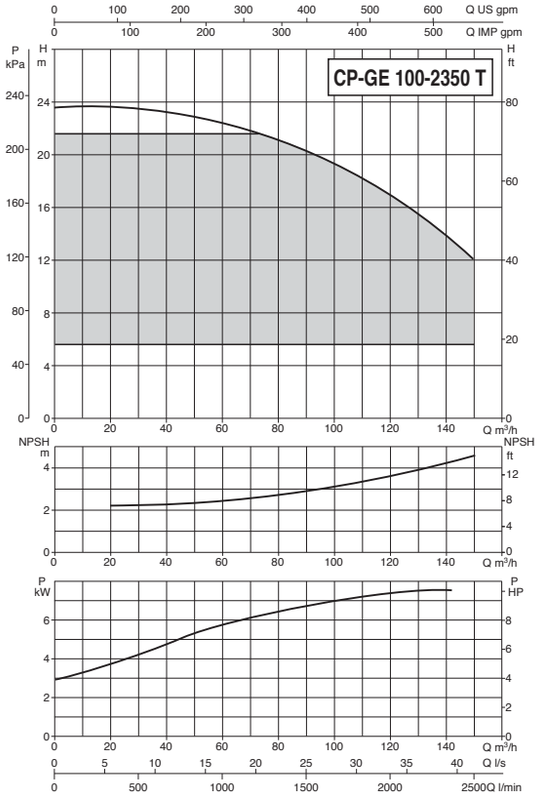
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

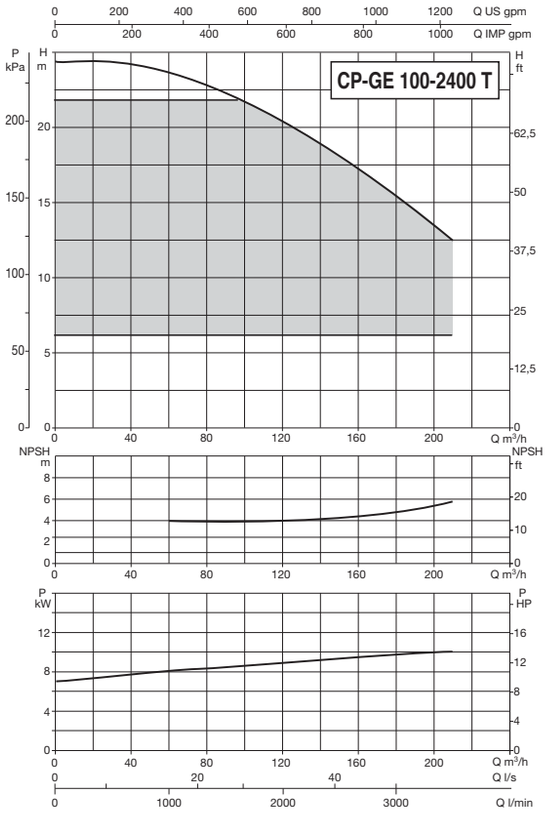
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





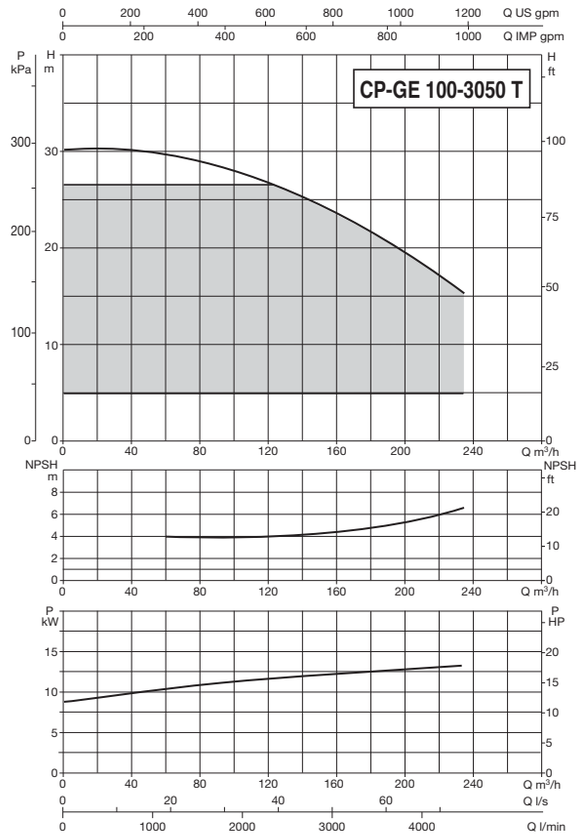


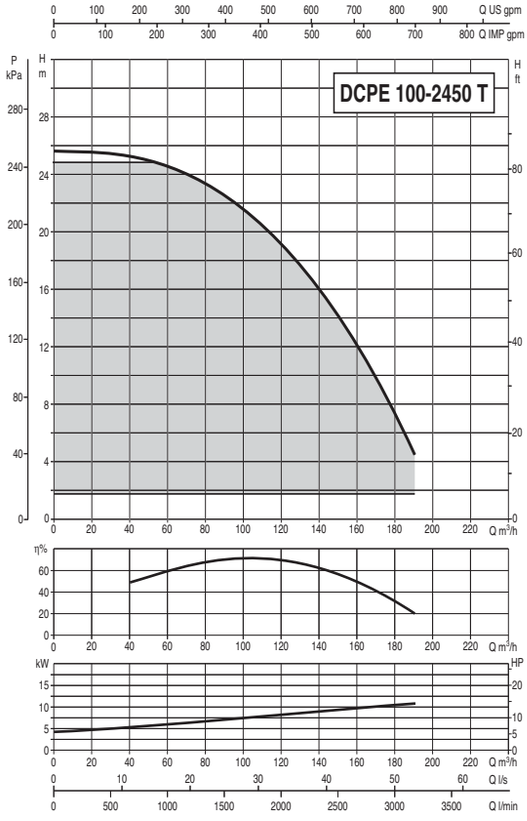


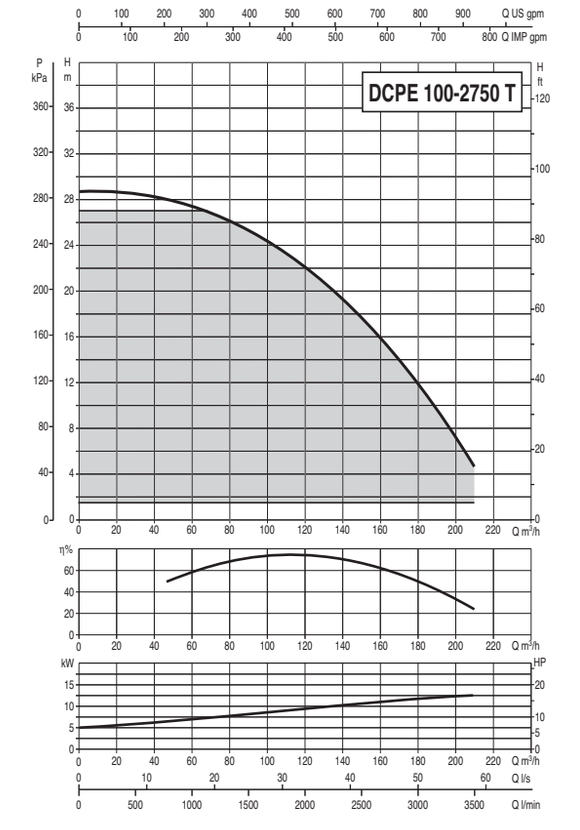
The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

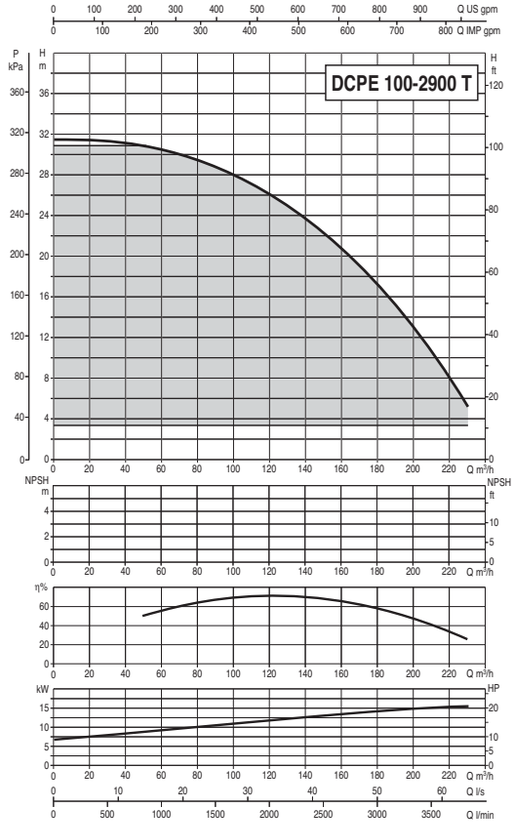
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS





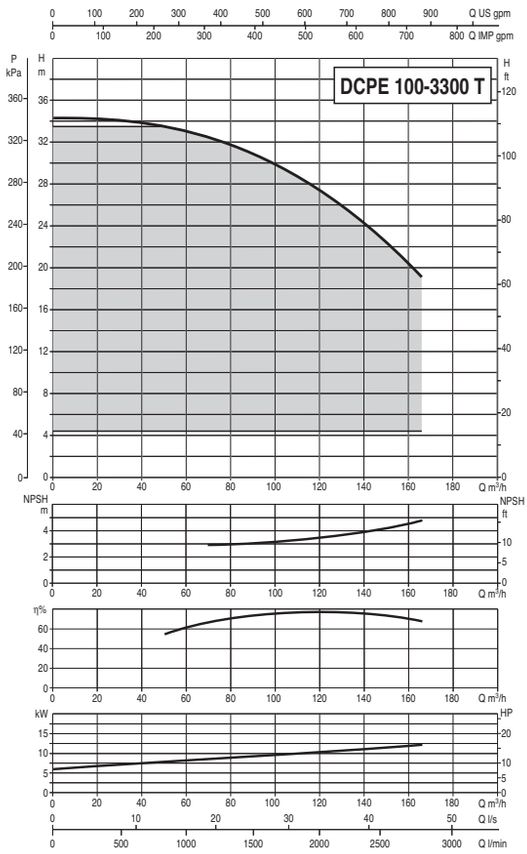


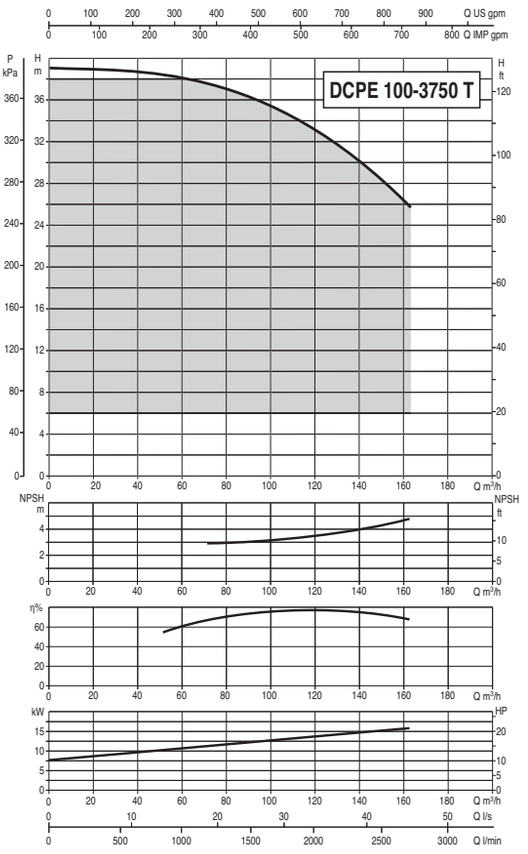


The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS

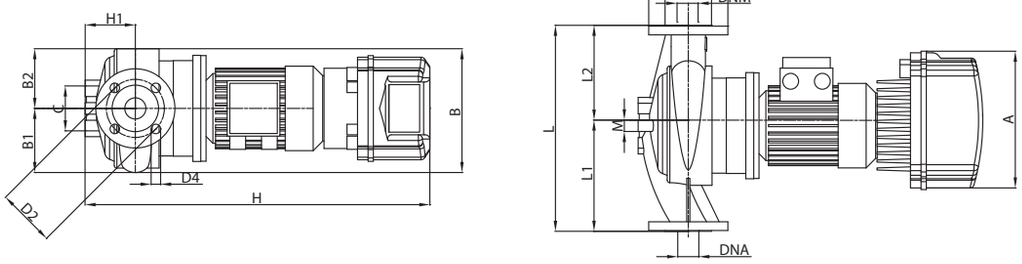




The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Tolerance of curves to ISO 9906.

DIMENSIONS AND WEIGHTS

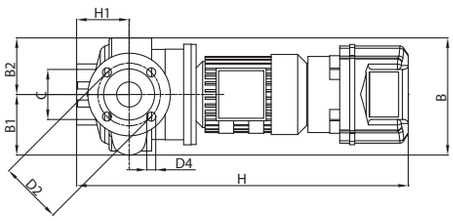
CPE 40

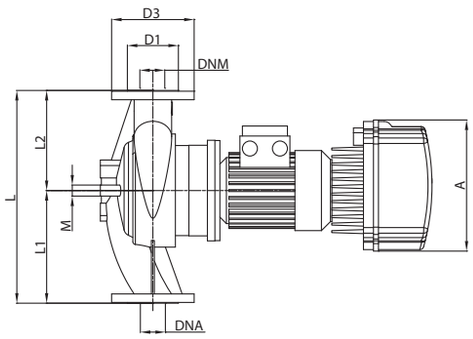


CPE / CP-GE / DCPE

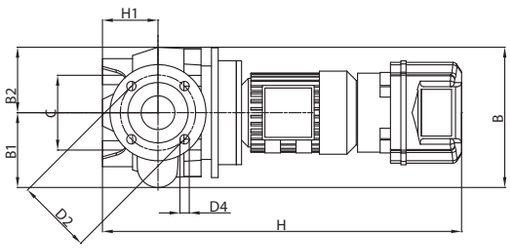
IN-LINE CONSTANT PRESSURE PUMPS

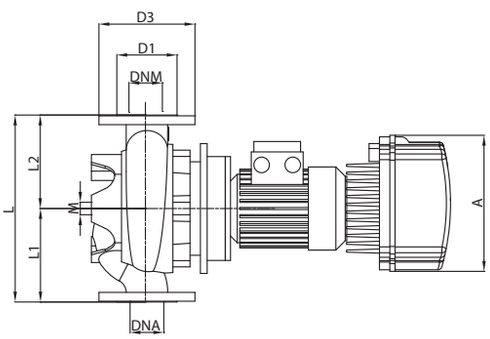
CPE 50



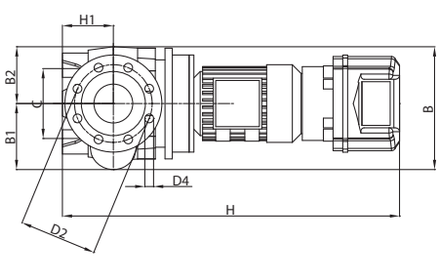


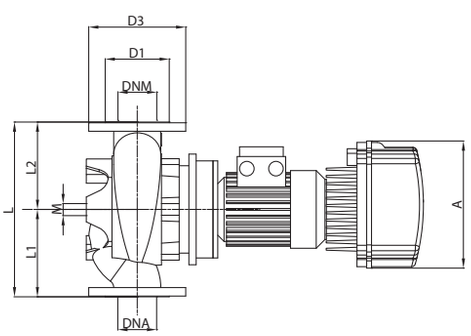
CP-GE 65



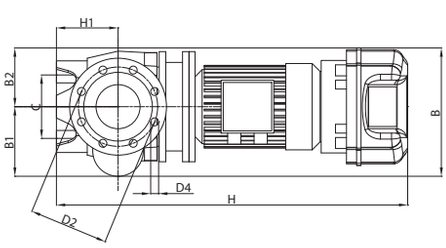


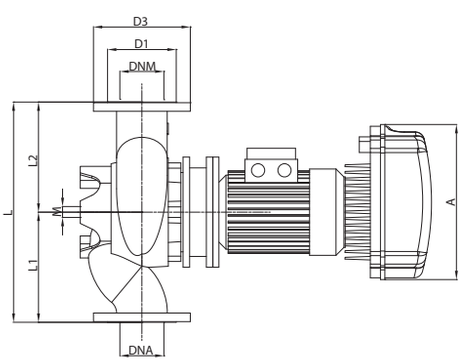
CP-GE 80





CP-GE 100





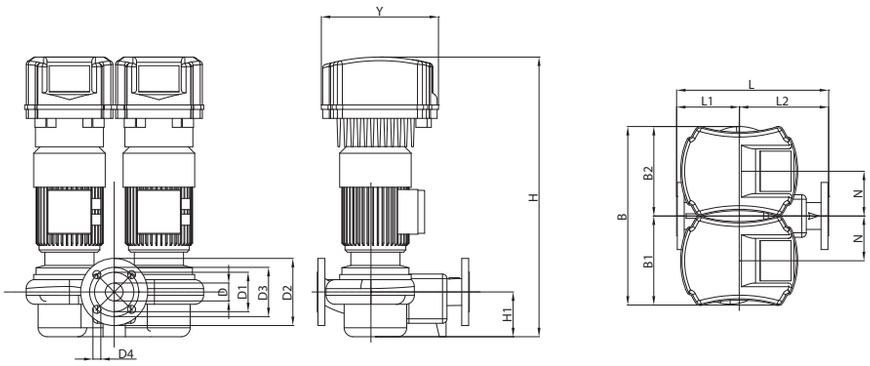
CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS

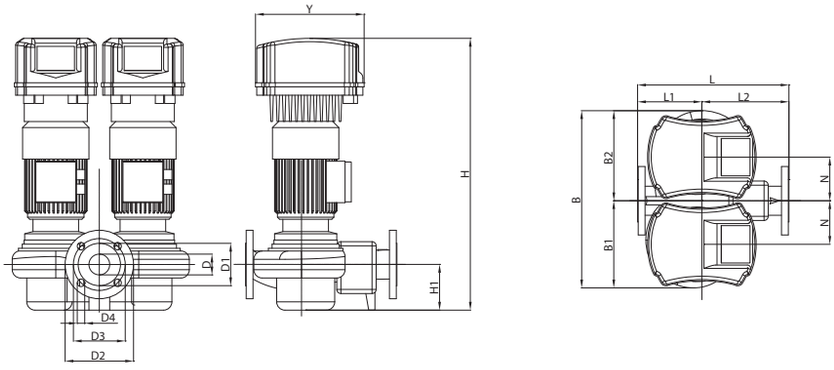
MODEL	A	B	B1	B2	C	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKAGING DIMENSIONS			WEIGHT KG
																L/A	L/B	H	
CPE 40/2300 M MCE11/C	262	231	118	113	85	88	110	150	4X18	663	95	390	200	190	12	500	270	810	49
CPE 40/3500 M MCE22/C	262	231	118	113	85	88	110	150	4X18	663	95	390	200	190	12	500	270	810	52
CPE 40/4700 T MCE55/C	353	286	159	127	-	88	110	150	4X18	735	100	380	200	180	-	650	400	945	58
CPE 40/5500 T MCE55/C	353	286	159	127	-	88	110	150	4X18	735	100	380	200	180	-	650	400	945	63
CPE 40/6200 T MCE110/C	426	286	159	127	-	88	110	150	4X18	785	100	380	200	180	-	650	400	945	64
CPE 50/2600 M MCE15/C	262	233	120	113	100	102	125	165	4X18	663	105	425	225	200	12	500	270	810	49
CPE 50/4100 T MCE55/C	353	233	120	113	100	102	125	165	4X18	737	105	425	225	200	12	500	270	810	62
CPE 50/4600 T MCE55/C	353	290	159	131	-	102	125	165	4X18	745	105	400	220	180	-	650	400	945	64
CPE 50/5650 T MCE110/C	426	341	170,5	170,5	-	102	125	165	4X18	745	105	400	220	180	-	650	400	945	72
CP-GE 65-1470/A/BAQE/1.5 M MCE15/C	262	270	144	126	144	122	145	185	4X18	725	105	360	180	180	16	650	400	945	67
CP-GE 65-2280/A/BAQE/3 T MCE30/C	353	270	144	126	144	122	145	185	4X18	808	105	360	180	180	16	650	400	945	88
CP-GE 65-2640/A/BAQE/4 T MCE55/C	353	270	144	126	144	122	145	185	4X18	808	105	360	180	180	16	650	400	945	95
CP-GE 65-3400/A/BAQE/5.5 T MCE55/C	353	270	144	126	144	122	145	185	4X18	936	105	360	180	180	16	650	400	945	128
CP-GE 65-4100/A/BAQE/7.5 T MCE110/C	426	341	144	126	144	122	145	185	4X18	1024	105	360	180	180	16	650	400	945	131
CP-GE 65-4700/A/BAQE/11 T MCE110/C	426	341	180	164	144	122	145	185	4X18	1099	125	475	237,5	237,5	16	650	400	945	209
CP-GE 65-5500/A/BAQE/15 T MCE150/C	426	341	180	164	144	122	145	185	4X18	1099	125	475	237,5	237,5	16	700	600	970	227
CP-GE 80-1400/A/BAQE/2.2 M MCE22/C	262	252	135	117	144	138	160	200	8X18	753	105	360	180	180	16	650	400	945	86
CP-GE 80-2050/A/BAQE/4 T MCE55/C	353	267	135	117	144	138	160	200	8X18	765	105	360	180	180	16	650	400	945	99
CP-GE 80-2400/A/BAQE/5.5 T MCE55/C	353	267	135	117	144	138	160	200	8X18	873	105	360	180	180	16	650	400	945	133
CP-GE 80-2770/A/BAQE/7.5 T MCE110/C	426	341	178	146	144	138	160	200	8X18	1038	115	440	220	220	16	650	400	945	88
CP-GE 80-3250/A/BAQE/11 T MCE110/C	426	341	178	146	144	138	160	200	8X18	1100	115	440	220	220	16	650	400	945	98
CP-GE 80-4000/A/BAQE/15 T MCE150/C	426	341	178	146	144	138	160	200	8X18	1100	115	440	220	220	16	650	400	945	103
CP-GE 100-1600/A/BAQE/4 T MCE55/C	353	341	158	126	144	158	180	220	8x18	898	140	500	250	250	16	650	400	945	86
CP-GE 100-1950/A/BAQE/5.5 T MCE55/C	353	341	158	126	144	158	180	220	8x18	1026	140	500	250	250	16	650	400	945	92
CP-GE 100-2350/A/BAQE/7.5 T MCE110/C	426	341	158	126	144	158	180	220	8x18	1064	140	500	250	250	16	700	600	970	110
CP-GE 100-2400/A/BAQE/11 T MCE110/C	426	346	193	153	230	158	180	220	8x18	1092	140	550	275	275	16	700	600	970	120
CP-GE 100-3050/A/BAQE/15 T MCE110/C	426	346	193	153	230	158	180	220	8x18	1092	140	550	275	275	16	700	600	970	159

CPE / CP-GE / DCPE
IN-LINE CONSTANT PRESSURE PUMPS

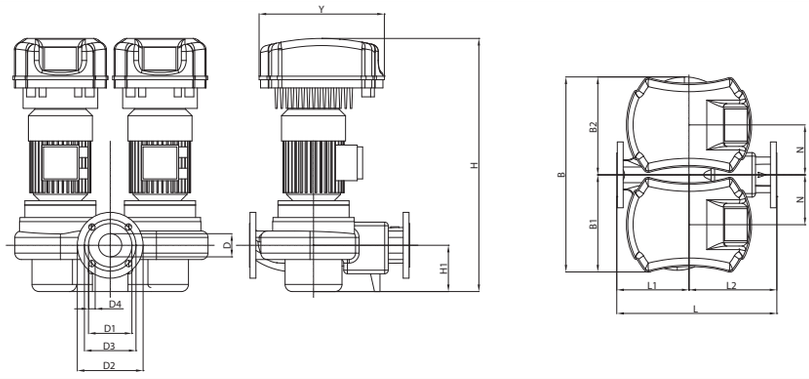
DCPE 40



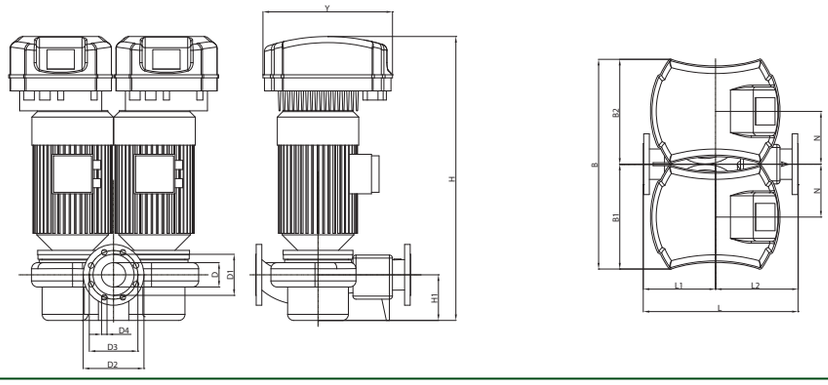
DCPE 50



DCPE 65



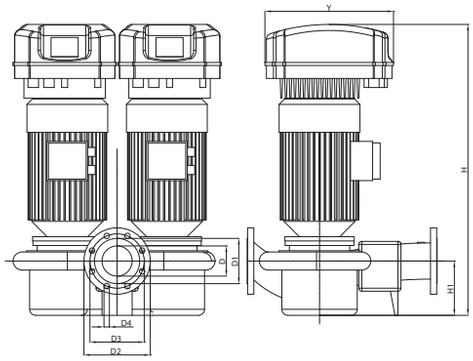
DCPE 80

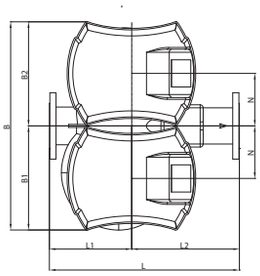


CPE / CP-GE / DCPE

IN-LINE CONSTANT PRESSURE PUMPS

DCPE 100





MODEL	L	L1	L2	B	B1	B2	H	H1	N	D	D1	D2	D3	D4	Y	PACKAGING DIMENSIONS			WEIGHT KG
																L/A	L/B	H	
DCPE 40/1650 M MCE11/C	340	130	210	400	200	200	625	100	100	40 PN16	88	150	110		262	520	400	710	54
DCPE 40/2450 M MCE15/C	340	130	210	400	200	200	625	100	100	40 PN16	88	150	110		262	520	400	710	58
DCPE 50/1550 M MCE15/C	365	145	220	427	217	210	655	110	105	50 PN16	102	165	125		262	520	400	710	60
DCPE 50/2450 T MCE30/C	365	145	220	427	217	210	655	110	105	50 PN16	102	165	125		353	520	400	710	75
DCPE 50/3650 T MCE55/C	410	170	240	480	235	245	735	110	120	50 PN16	102	165	125	4 HOLES Ø18	353	700	600	970	95
DCPE 65/2300 T MCE30/C	450	180	270	543	268	275	685	130	140	65 PN16	122	185	145		353	700	600	970	76
DCPE 65/2650 T MCE55/C	450	180	270	543	268	275	695	130	140	65 PN16	122	185	145		353	700	600	970	90
DCPE 65/3250 T MCE55/C	450	180	270	543	268	275	765	130	140	65 PN16	122	185	145		353	700	600	970	110
DCPE 65/3700 T MCE110/C	450	180	270	701	350,5	350,5	920	130	140	65 PN16	122	185	145		426	700	600	970	138
DCPE 80/2530 T MCE110/C	510	205	305	691	345,5	345,5	920	150	135	80 PN16	138	200	160		426	700	600	970	123
DCPE 80/3050 T MCE110/C	510	205	305	691	345,5	345,5	920	150	135	80 PN16	138	200	160		426	700	700	1100	154
DCPE 80/3650 T MCE150/C	510	205	305	691	345,5	345,5	920	150	135	80 PN16	138	200	160		426	700	700	1100	175
DCPE 80/4100 T MCE150/C	510	205	305	691	345,5	345,5	890	150	135	80 PN16	138	200	160		426	700	700	1100	188
DCPE 100/2450 T MCE110/C	630	240	390	751	375,5	375,5	970	180	165	100 PN16	158	220	180	8 HOLES Ø18	426	700	700	1100	175
DCPE 100/2750 T MCE150/C	630	240	390	751	375,5	375,5	970	180	165	100 PN16	158	220	180		426	700	700	1100	175
DCPE 100/2900 T MCE150/C	630	240	390	751	375,5	375,5	970	180	165	100 PN16	158	220	180		426	700	700	1100	175
DCPE 100/3300 T MCE150/C	630	240	390	751	375,5	375,5	970	180	165	100 PN16	158	220	180		426	700	700	1100	175
DCPE 100/3750 T MCE150/C	630	240	390	751	375,5	375,5	970	180	165	100 PN16	158	220	180		426	700	700	1100	175

DAB PUMPS reserves the right to make modifications without notice

IN-LINE PUMPS
PERFORMANCE RANGE

ALM - ALP - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL		P2 NOMINAL		Q (m^3/h) (l/min)	0	1,2	2,4	3,6	4,8	6	7,2	8,4
SINGLE-PHASE	THREE-PHASE	kW	HP		0	20	40	60	80	100	120	140
ALM 200 M	ALM 200 T	0,059	0,08		1,9	1,65	1					
ALP 800 M	ALP 800 T	0,37	0,5	H (m)	7,7	7,2	6,3	5,8	3,9	2		
ALM 500 M	ALM 500 T	0,25	0,33		5,5	5,4	5,3	4,8	4,1	3	1,5	
ALP 2000 M	ALP 2000 T	0,55	0,75		21,1	20,6	19,6	18	16	13,8	10,5	5,3

KLM - KLP - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL		P2 NOMINAL		Q (m^3/h) (l/min)	0	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
SINGLE-PHASE	THREE-PHASE	kW	HP		0	20	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
KLM 40/300 M	KLM 40/300 T	0,25	0,33		3,4		3,2	3	2,6	2,3	1,7											
KLP 40/600 M	KLP 40/600 T	0,37	0,5		8,2				7,8	7,4	6,9	6,3	5,7	4								
KLP 40/900 M	KLP 40/900 T	0,37	0,5		10,2				9,8	9,4	8,8	8,2	7,4	5,6								
KLP 40/1200 M	KLP 40/1200 T	0,55	0,75		13,7				13,2	12,6	11,9	11,2	10,4	8,4	5,9							
KLM 50/300 M	KLM 50/300 T	0,25	0,33		2,9				2,8	2,7	2,6	2,5	2,3	1,8	1,3							
KLM 50/600 M	KLM 50/600 T	0,25	0,33		5,4				5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
KLP 50/900 M	KLP 50/900 T	0,75	1		8,9					8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
KLP 50/1200 M	KLP 50/1200 T	0,75	1	H (m)	12					12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
–	KLM 65/300 T	0,25	0,33		3,1					3	2,9	2,8	2,7	2,6	2,4	2	1,8					
–	KLM 65/600 T	0,37	0,5		5,5							5,3	5	4,7	4,6	4	3,8	2,5				
–	KLP 65/900 T	1,1	1,5		9								8,8	8,6	8,5	8,1	8	7	5,5	3,5		
–	KLP 65/1200 T	1,1	1,5		12									11,6	11,4	11,2	11	10	8,8	6,7		
–	KLM 80/300 T	0,25	0,33		3,3									3,2	3,1	3	2,9	2,7	2	1,2		
–	KLM 80/600 T	0,75	1		5,7										5,8	5,8	5,7	5,5	5	4,3	2,5	
–	KLP 80/900 T	1,84	2,5		8,8										8,7	8,6	8,5	8,4	8	7,7	6	
–	KLP 80/1200 T	1,84	2,5		11,8													11,6	11,5	11	9,7	7,2

DKLM - DKLP - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL		P2 NOMINAL		Q (m^3/h) (l/min)	0	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
SINGLE-PHASE	THREE-PHASE	kW	HP		0	20	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
DKLM 40/300 M	DKLM 40/300 T	0,25	0,33		3,4		3,2	3	2,6	2,3	1,7											
DKLP 40/600 M	DKLP 40/600 T	0,37	0,5		8,2				7,8	7,4	6,9	6,3	5,7	4								
DKLP 40/900 M	DKLP 40/900 T	0,37	0,5		10,2				9,8	9,4	8,8	8,2	7,4	5,6								
DKLP 40/1200 M	DKLP 40/1200 T	0,55	0,75		13,7				13,2	12,6	11,9	11,2	10,4	8,4	5,9							
DKLM 50/300 M	DKLM 50/300 T	0,25	0,33		2,9				2,8	2,7	2,6	2,5	2,3	1,8	1,3							
DKLM 50/600 M	DKLM 50/600 T	0,25	0,33		5,4				5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
DKLP 50/900 M	DKLP 50/900 T	0,75	1		8,9					8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
DKLP 50/1200 M	DKLP 50/1200 T	0,75	1	H (m)	12					12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
–	DKLM 65/300 T	0,25	0,33		3,1					3	2,9	2,8	2,7	2,6	2,4	2	1,8					
–	DKLM 65/600 T	0,37	0,5		5,5							5,3	5	4,7	4,6	4	3,8	2,5				
–	DKLP 65/900 T	1,1	1,5		9								8,8	8,6	8,5	8,1	8	7	5,5	3,5		
–	DKLP 65/1200 T	1,1	1,5		12									11,6	11,4	11,2	11	10	8,8	6,7		
–	DKLM 80/300 T	0,25	0,33		3,3									3,2	3,1	3	2,9	2,7	2	1,2		
–	DKLM 80/600 T	0,75	1		5,7										5,8	5,8	5,7	5,5	5	4,3	2,5	
–	DKLM 80/900 T	1,84	2,5		8,8										8,7	8,6	8,5	8,4	8	7,7	6	
–	DKLP 80/1200 T	1,84	2,5		11,8													11,6	11,5	11	9,7	7,2

ALM - ALP
IN-LINE PUMPS



CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS

Circulating pumps with in-line **connections**, suitable for civil and industrial installations for heating, air-conditioning and hot water for **domestic use**.
Pump body and motor support in cast iron for ALM 500 and ALP 2000 and in bronze for ALM 200 and ALP 800.
Technopolymer impeller and carbon/ceramic mechanical seal. Two-pole, asynchronous motor for the ALP version and four-pole for the ALM version.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. Three-phase motors should be protected with a suitable overload protection complying with the regulations in force.

Operating range: from 0,6 to 8,4 m³/h with head up to 21 metres.
Liquid temperature range: from +15°C to +120°C.
Pumped liquid characteristics: clean , free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral, close to the characteristics of water.
Maximum ambient temperature: + 40°C
Maximum working pressure: 10 bar (1000 kPa).
Protection level: IP 55
Insulation class: F

TECHNICAL DATA - 200 /800 Single

BRONZE PUMP BODY

ALM - 1400 r.p.m 1/min - 4 poles
ALP - 2800 r.p.m 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA								
		VOLTAGE 50 Hz	MOTOR TYPE	n r.p.m. 1/min	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
						kW	HP		µF	VC
ALM 200 M	105100004	1x220-240 V ~	4 POLES	1480	0,14	0,059	0,08	0,7	8	450
ALM 200 T	105100014	3 x 230 V ~ 3 x 400 V ~	4 POLES	1475	0,08	0,059	0,08	0,53-0,3	-	-
ALP 800 M	105100084	1x220-240 V ~	2 POLES	2925	0,24	0,37	0,5	1,4	10	450
ALP 800 T	105100094	3 x 230 V ~ 3 x 400 V ~	2 POLES	2915	0,20	0,37	0,5	1,2-0,7	-	-

TECHNICAL DATA - 500/ 2000 Single

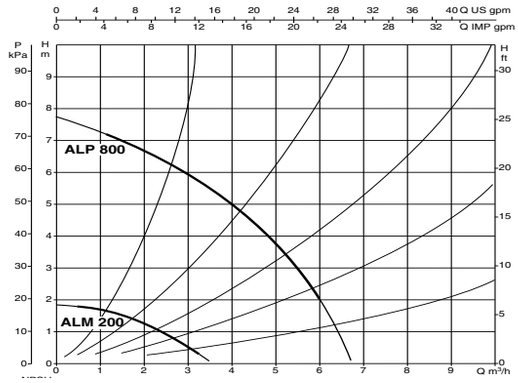
CAST IRON PUMP BODY

ALM - 1400 r.p.m. 1/min - 4 poles
ALP - 2800 r.p.m 1/min - 2 poles

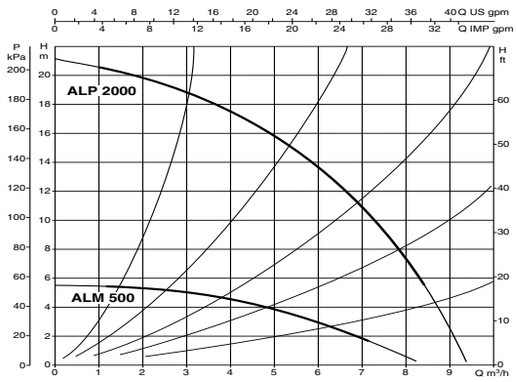
MODEL	CODE	ELECTRICAL DATA								
		VOLTAGE 50 Hz	MOTOR TYPE	n r.p.m. 1/min	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
						kW	HP		µF	VC
ALM 500 M	105100024	1x220-240 V ~	4 POLES	1425	0,22	0,25	0,33	1	8	450
ALM 500 T	105100034	3 x 230 - 400V ~	4 POLES	1465	0,19	0,25	0,33	1-0,6	-	-
ALP 2000 M	105100124	1x220-240 V ~	2 POLES	2870	0,75	0,55	0,75	3,7	16	450
ALP 2000 T	105100134	3 x 230 - 400V ~	2 POLES	2830	0,66	0,55	0,75	2,3-1,3	-	-

ALM - ALP
IN-LINE PUMPS

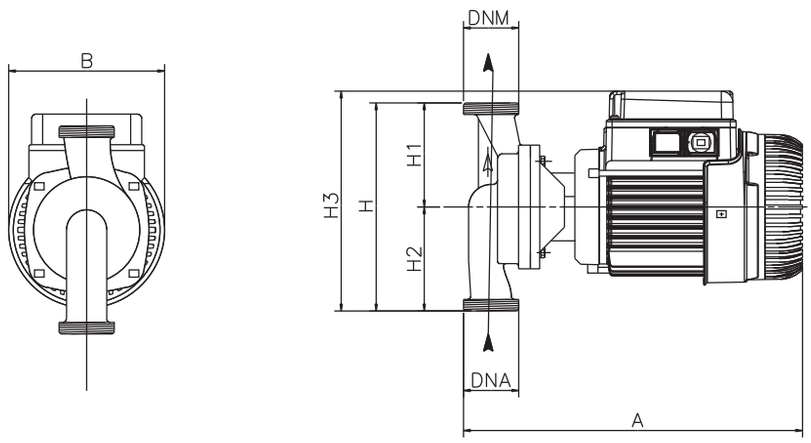
ALM 200 - ALP 800



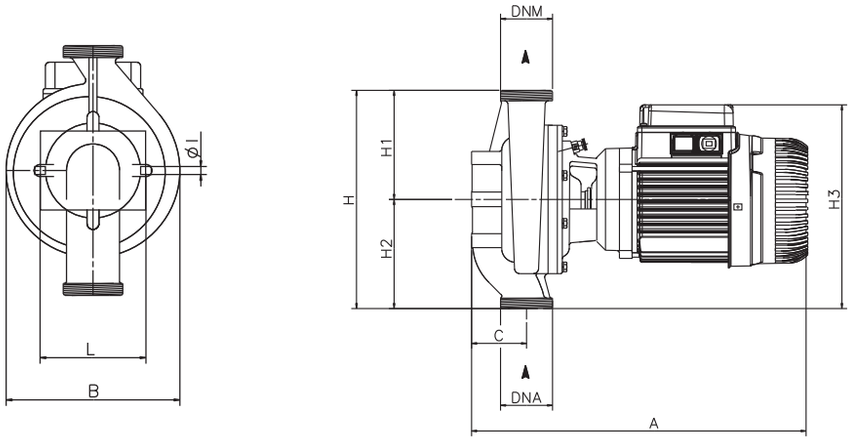
ALM 500 - ALP 2000



DIMENSIONS AND WEIGHTS



ALM 200 - ALP 800



ALM 500 - ALP 2000

MODEL	A	B	C	L	IØ	H	H1	H2	H3	DNA NPT	DNM NPT	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY X PALLET
												L/A	L/B	H		
ALM 200	300	136	–	–	–	180	90	90	190	1 1/2" G-M	1 1/2" G-M	332	202	257	39	7,5
ALP 800	300	136	–	–	–	180	90	90	190	1 1/2" G-M	1 1/2" G-M	332	202	257	39	7,5
ALM 500	386	174	63	95	8	250	125	125	235	2" G-M	2" G-M	492	232	292	21	14,5
ALP 2000	386	174	63	95	8	250	125	125	235	2" G-M	2" G-M	492	232	292	21	14,5

KLM - KLP / DKLM- DKLP

IN-LINE PUMPS



ENERGY EFFICIENCY IE2

CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS

Pump body and motor support in cast iron.
PN10 flanged connections with threaded holes for control pressure gauges. Technopolymer impeller and carbon/ceramic mechanical seal.
Four-pole, asynchronous motor for the KLM and DKLM versions and two-pole for the KLP and DKLP versions.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version.
Three-phase motors should be protected with a suitable overload protection complying with the regulations in force. In the twin version there is a built-in automatic clapet valve on the delivery vent; the standard supply also includes a blank flange.

Operating range: from 2 to 67 m^3/h with head up to 13.7 metres.
Liquid temperature range: from -15°C to +120°C.
Pumped liquid characteristics: clean , free from solids or abrasive substances , not viscous, not aggressive, not crystallised, chemically neutral.
Maximum ambient temperature: +40°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection level: IP 55.
Insulation class: F.
Standard flanging: PN 10/PN 6.
Counter flanges either threaded or with welded collar as requested.

TECHNICAL DATA - KLM/KLP *SINGLE FLANGED*

KLM - 1400 r.p.m. 1/min - 4 poles
KLP - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA				CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
KLM 40-300 M	105110404	1 x 230 V ~	0,25	0,33	0,9	250	DN 40
KLM 40-300 T	105110014	3 x 230 - 400 V ~	0,25	0,33	0,9-0,55	250	DN 40
KLP 40-600 M	105110414	1 x 230 V ~	0,37	0,5	3	250	DN 40
KLP 40-600 T	105110214	3 x 230 - 400 V ~	0,37	0,5	1,7-1	250	DN 40
KLP 40-900 M	105110424	1 x 230 V ~	0,37	0,5	3,2	250	DN 40
KLP 40-900 T	105110224	3 x 230 - 400 V ~	0,37	0,5	1,9-1,1	250	DN 40
KLP 40-1200 M	105110434	1 x 230 V ~	0,55	0,75	3,4	250	DN 40
KLP 40-1200 T	105110234	3 x 230 - 400 V ~	0,55	0,75	2-1,2	250	DN 40
KLM 50-300 M	105110444	1 x 230 V ~	0,25	0,33	0,9	280	DN 50
KLM 50-300 T	105110054	3 x 230 - 400 V ~	0,25	0,33	1-0,6	280	DN 50
KLM 50-600 M	105110454	1 x 230 V ~	0,25	0,33	1,4	280	DN 50
KLM 50-600 T	105110074	3 x 230 - 400 V ~	0,25	0,33	1,2-0,7	280	DN 50
KLP 50-900 M	105110464	1 x 230 V ~	0,75	1	3,3	280	DN 50
KLP 50-900 T*	60145205	3 x 230 - 400 V ~	0,75	1	2,8/1,6	280	DN 50
KLP 50-1200 M	105110474	1 x 230 V ~	0,75	1	4,2	280	DN 50
KLP 50-1200 T*	60145206	3 x 230 - 400 V ~	0,75	1	3,2/1,8	280	DN 50
KLM 65-300 T	105110094	3 x 230 - 400 V ~	0,25	0,33	1/0,6	340	DN 65
KLM 65-600 T	105110114	3 x 230 - 400 V ~	0,37	0,5	1,2/0,7	340	DN 65
KLP 65-900 T*	60145819	3 x 230 - 400 V ~	1,1	1,5	4/2,35	340	DN 65
KLP 65-1200 T*	60145820	3 x 230 - 400 V ~	1,1	1,5	4,7/2,7	340	DN 65
KLM 80-300 T	105110134	3 x 230 - 400 V ~	0,25	0,33	1,2/0,7	360	DN 80
KLM 80-600 T*	60146973	3 x 230 - 400 V ~	0,75	1	2,8/1,6	360	DN 80
KLP 80-900 T*	60145915	3 x 230 - 400 V ~	1,84	2,5	5,2/3	360	DN 80
KLP 80-1200 T*	60145917	3 x 230 - 400 V ~	1,84	2,5	6,6/3,8	360	DN 80

*** NEW IE2 MOTOR**

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - DKLM/DKLP *TWIN FLANGED*

DKLM - 1400 r.p.m. 1/min - 4 poles
DKLP - 2800 r.p.m. 1/min - 2 poles

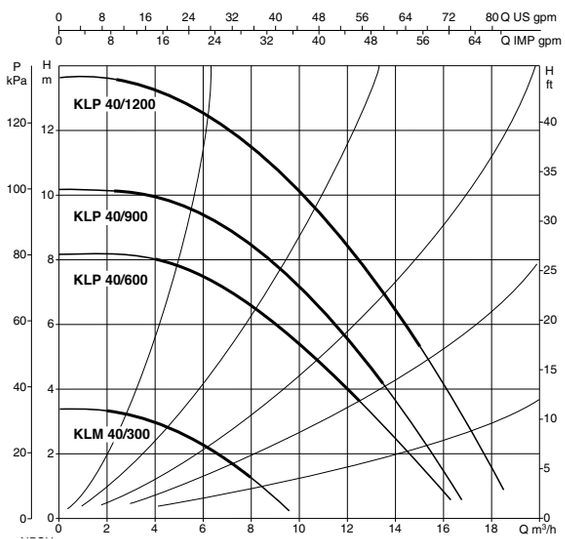
MODEL	CODE	ELECTRICAL DATA				CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
DKLM 40-300 M	105210404	1 x 230 V ~	0,25	0,33	0,9	250	DN 40
DKLM 40-300 T	105210014	3 x 230 - 400 V ~	0,25	0,33	0,9-0,55	250	DN 40
DKLP 40-600 M	105210414	1 x 230 V ~	0,37	0,5	3	250	DN 40
DKLP 40-600 T	105210214	3 x 230 - 400 V ~	0,37	0,5	1,7-1	250	DN 40
DKLP 40-900 M	105210424	1 x 230 V ~	0,37	0,5	3,2	250	DN 40
DKLP 40-900 T	105210224	3 x 230 - 400 V ~	0,37	0,5	1,9-1,1	250	DN 40
DKLP 40-1200 M	105210434	1 x 230 V ~	0,55	0,75	3,4	250	DN 40
DKLP 40-1200 T	105210234	3 x 230 - 400 V ~	0,55	0,75	2-1,2	250	DN 40
DKLM 50-300 M	105210444	1 x 230 V ~	0,25	0,33	0,9	280	DN 50
DKLM 50-300 T	105210054	3 x 230 - 400 V ~	0,25	0,33	1-0,6	280	DN 50
DKLM 50-600 M	105210454	1 x 230 V ~	0,25	0,33	1,4	280	DN 50
DKLM 50-600 T	105210074	3 x 230 - 400 V ~	0,25	0,33	1,2-0,7	280	DN 50
DKLP 50-900 M	105210464	1 x 230 V ~	0,75	1	3,3	280	DN 50
DKLP 50-900 T*	60145209	3 x 230 - 400 V ~	0,75	1	2,8/1,6	280	DN 50
DKLP 50-1200 M	105210474	1 x 230 V ~	0,75	1	4,2	280	DN 50
DKLP 50-1200 T*	60145210	3 x 230 - 400 V ~	0,75	1	3,2/1,8	280	DN 50
DKLM 65-300 T	105210094	3 x 230 - 400 V ~	0,25	0,33	1/0,6	340	DN 65
DKLM 65-600 T	105210114	3 x 230 - 400 V ~	0,37	0,5	1,2/0,7	340	DN 65
DKLP 65-900 T*	60145826	3 x 230 - 400 V ~	1,1	1,5	4/2,35	340	DN 65
DKLP 65-1200 T*	60145827	3 x 230 - 400 V ~	1,1	1,5	4,7/2,7	340	DN 65
DKLM 80-300 T	105210134	3 x 230 - 400 V ~	0,25	0,33	1,2/0,7	360	DN 80
DKLM 80-600 T*	60146983	3 x 230 - 400 V ~	0,75	1	2,8/1,6	360	DN 80
DKLP 80-900 T*	60145933	3 x 230 - 400 V ~	1,84	2,5	5,2/3	360	DN 80
DKLP 80-1200 T*	60145935	3 x 230 - 400 V ~	1,84	2,5	6,6/3,8	360	DN 80

*** NEW IE2 MOTOR**

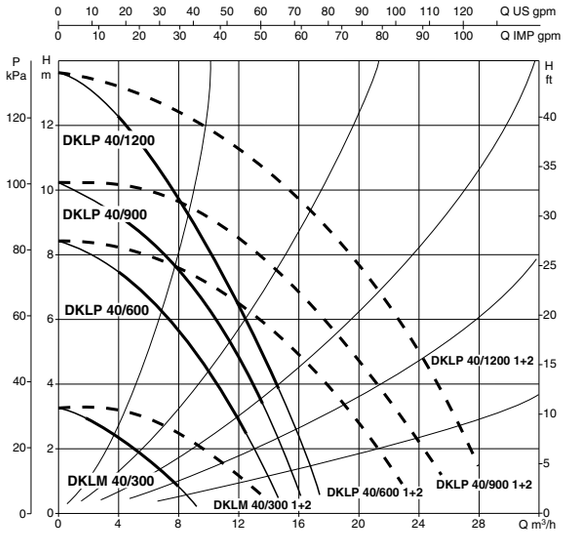
Blank counterflange supplied as standard for twin version

KLM - KLP / DKLM- DKLP
IN-LINE PUMPS

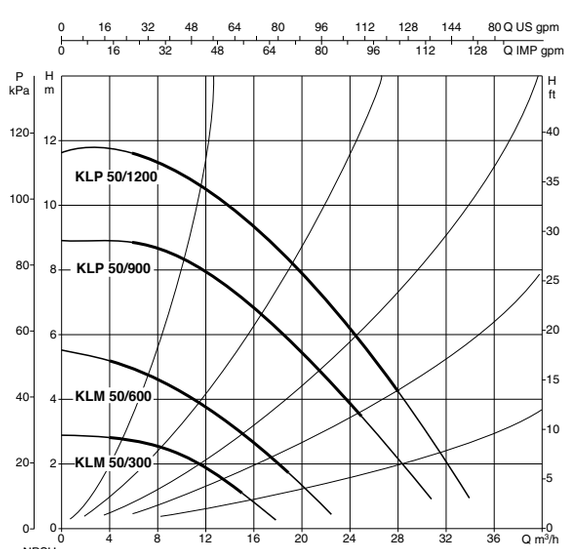
KLM - KLP 40



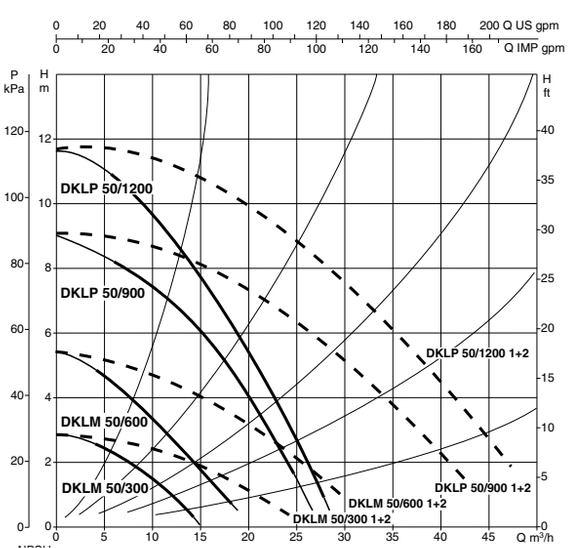
DKLM - DKLP 40



KLM - KLP 50

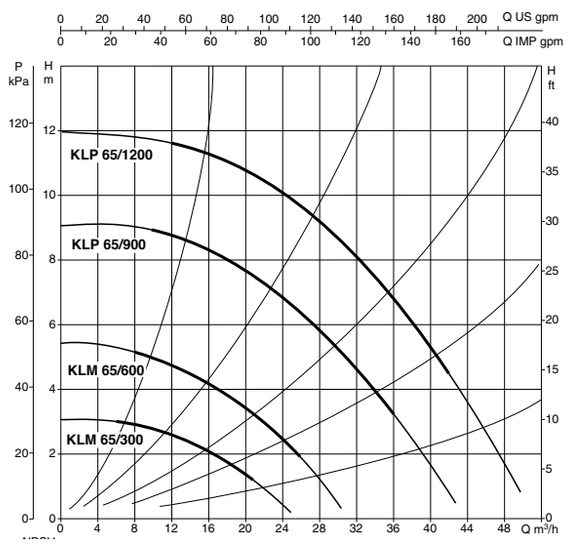


DKLM - DKLP 50

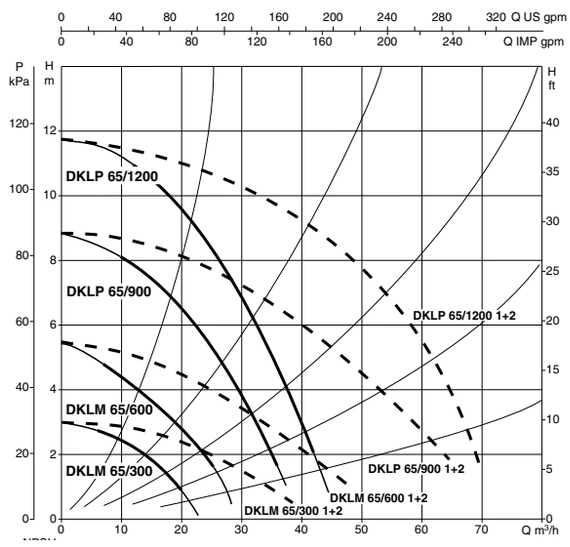


KLM - KLP / DKLM- DKLP
IN-LINE PUMPS

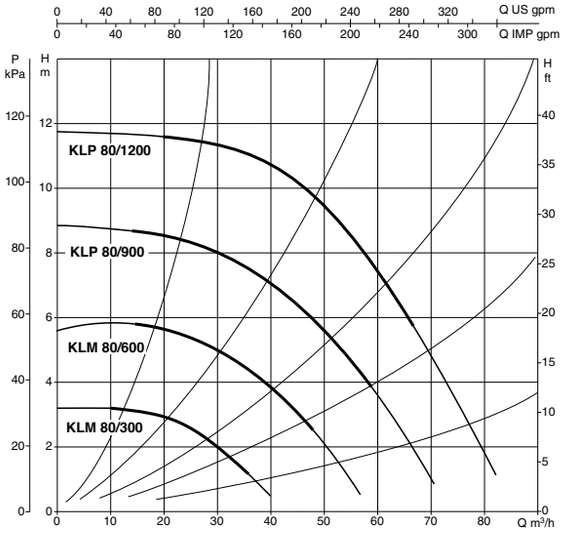
KLM - KLP 65



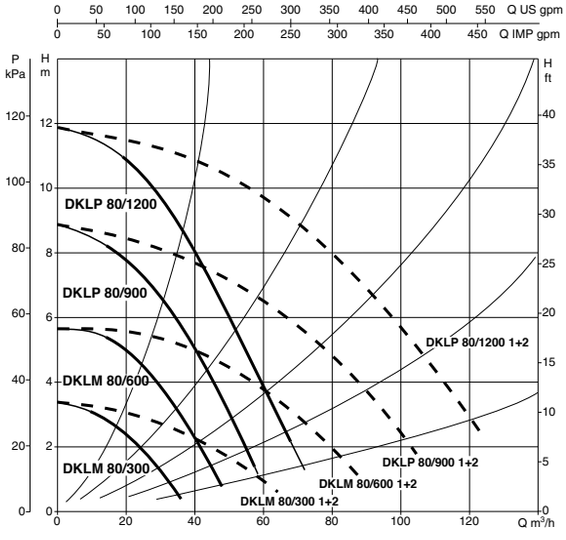
DKLM - DKLP 65



KLM - KLP 80



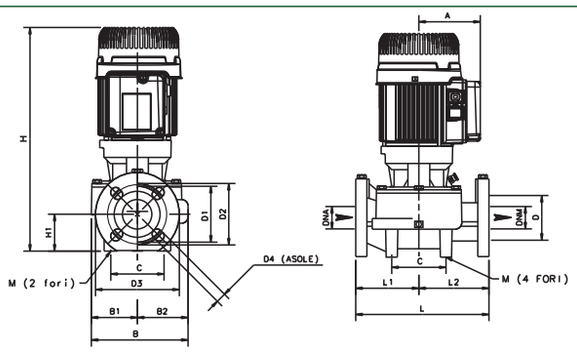
DKLM - DKLP 80



KLM - KLP / DKLM- DKLP
IN-LINE PUMPS

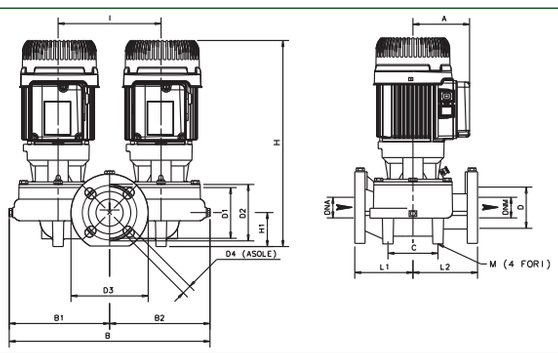
DIMENSIONS AND WEIGHTS

KLM - KLP



MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKAGING DIMESIONS			WEIGHT KG	Q.TY X PALLET
																			L/A	L/B	H		
KLM 40/300	110	179	82	97	100	40	40	80	100	110	150	4 SLOTS 18x23	395	66	250	125	125	2 HOLES 10	470	280	330	21,1	12
KLP 40/600	110	179	82	97	100	40	40	80	100	110	150		395	66	250	125	125		470	280	330	22,5	12
KLP 40/900	110	179	82	97	100	40	40	80	100	110	150		395	66	250	125	125		470	280	330	22,5	12
KLP 40/1200	110	179	82	97	100	40	40	80	100	110	150		395	66	250	125	125		470	280	330	23,2	12
KLM 50/300	110	204	94	110	100	50	50	90	110	125	165	4 SLOTS 18x25,5	414	73	280	140	170	2 HOLES 10	470	280	330	24,6	12
KLM 50/600	110	204	94	110	100	50	50	90	110	125	165		414	73	280	140	170		470	280	330	24,6	12
KLP 50/900	110	204	94	110	100	50	50	90	110	125	165		414	73	280	140	170		470	280	330	26,2	12
KLP 50/1200	110	204	94	110	100	50	50	90	110	125	165		414	73	280	140	170		470	280	330	26,3	12
KLM 65/300	110	228	99	129	100	65	65	110	130	145	185	4 SLOTS 18x25,5	433	82	340	170	170	2 HOLES 12	510	310	470	29,3	8
KLM 65/600	110	228	99	129	100	65	65	110	130	145	185		433	82	340	170	170		510	310	470	29,5	8
KLP 65/900	110	228	99	129	100	65	65	110	130	145	185		433	82	340	170	170		510	310	470	35	8
KLP 65/1200	110	228	99	129	100	65	65	110	130	145	185		433	82	340	170	170		510	310	470	35	8
KLM 80/300	110	229	99	130	115	80	80	128	150	160	200	4 SLOTS 18x23	453	97	360	190	170	2 HOLES 12	510	310	470	32,5	8
KLM 80/600	110	229	99	130	115	80	80	128	150	160	200		453	97	360	190	170		510	310	470	36,7	8
KLP 80/900	110	229	99	130	115	80	80	128	150	160	200		453	97	360	190	170		510	310	470	39,6	8
KLP 80/1200	110	229	99	130	115	80	80	128	150	160	200		453	97	360	190	170		510	310	470	40	8

DKLM - DKLP



MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKAGING DIMESIONS			WEIGHT KG	Q.TY X PALLET
																				L/A	L/B	H		
DKLM 40/300	110	372	185	187	100	40	40	80	100	110	150	4 slots 18x23	400	55	200	250	125	125	4 holes 10	530	280	470	38,2	8
DKLP 40/600	110	372	185	187	100	40	40	80	100	110	150		400	55	200	250	125	125		530	280	470	41,8	8
DKLP 40/900	110	372	185	187	100	40	40	80	100	110	150		400	55	200	250	125	125		530	280	470	41,8	8
DKLP 40/1200	110	372	185	187	100	40	40	80	100	110	150		400	55	200	250	125	125		530	280	470	41,8	8
DKLM 50/300	110	434	217	217	120	50	50	90	110	125	165	4 slots 18x25,5	410	73	240	280	140	140	4 holes 14	540	420	610	51	2
DKLM 50/600	110	434	217	217	120	50	50	90	110	125	165		410	73	240	280	140	140		540	420	610	52	2
DKLP 50/900	110	434	217	217	120	50	50	90	110	125	165		410	73	240	280	140	140		540	420	610	54	2
DKLP 50/1200	110	434	217	217	120	50	50	90	110	125	165		410	73	240	280	140	140		540	420	610	54	2
DKLM 65/300	110	455	226	229	140	65	65	110	130	145	185	4 slots 18x25,5	430	82	240	340	170	170	4 holes 14	540	420	610	55	2
DKLM 65/600	110	455	226	229	140	65	65	110	130	145	185		430	82	240	340	170	170		540	420	610	62	2
DKLP 65/900	110	455	226	229	140	65	65	110	130	145	185		430	82	240	340	170	170		540	420	610	66	2
DKLP 65/1200	110	455	226	229	140	65	65	110	130	145	185		430	82	240	340	170	170		540	420	610	66	2
DKLM 80/300	110	463	230	233	150	80	80	128	150	150	200	4 slots 18x23	445	97	240	360	190	170	4 holes 14	540	420	610	62	2
DKLM 80/600	110	463	230	233	150	80	80	128	150	150	200		445	97	240	360	190	170		540	420	610	70	2
DKLP 80/900	110	463	230	233	150	80	80	128	150	150	200		445	97	240	360	190	170		540	420	610	76	2
DKLP 80/1200	110	463	230	233	150	80	80	128	150	150	200		445	97	240	360	190	170		540	420	610	76	2

CM/CM-G - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48	60	72	84	90	102	114	120	150	180
	kW	HP		0	20	40	50	60	80	100	200	300	400	500	600	700	800	1000	1200	1400	1500	1700	1900	2000	2500	3000
CM 40/440 T	0,7	1		4,4	4,4	4,3	4,3	4,2	3,8	3,5																
CM 40/540 T	0,7	1		5,4	5,4	5,3	5,2	5,1	4,8	4,5																
CM 40/670 T	0,7	1		6,7	6,7	6,7	6,6	6,5	6,2	5,8																
CM 40/870 T	0,7	1		8,7	8,7	8,6	8,6	8,5	8,2	7,9																
CM 40/1300 T	0,8	1					13	12,9	12,5	12,4	9,8	6														
CM 40/1450 T	0,9	1,3							14,4	14,3	11,8	8														
CM 50/510 T	0,7	1						5	4,6	4,2																
CM 50/630 T	0,7	1						6,2	5,8	5,5																
CM 50/780 T	0,7	1						7,7	7,4	7,1																
CM 50/1000 T	0,7	1						10,1	9,8	9,6	6,8															
CM 50/1270 T	1,1	1,5								12,7	11,2	8,5														
CM 50/1420 T	1,1	1,5								14,2	13	10	6													
CM 65-420/A/BAQE/0,25	0,25	0,33		4,2						4,1	3,7	3	2,1													
CM 65-540/A/BAQE/0,37	0,37	0,5		5,4						5,3	5	4,4	3,5													
CM 65-660/A/BAQE/0,55	0,55	0,75		6,6						6,5	6,2	5,7	4,8													
CM 65-760/A/BAQE/0,55	0,55	0,75		7,6						7,7	7,6	6,7	5,5													
CM-G 65-920/A/BAQE/0,75	0,75	1		9,2						9,2	9	8,4	7,4	5,7												
CM-G 65-1080/A/BAQE/1,1	1,1	1,5		10,8							10,8	10,6	10,2	9,5	8,6	7,3										
CM-G 65-1200/A/BAQE/1,5	1,5	2		12							12	11,9	11,5	10,8	10,1	8,9										
CM-G 65-1530/A/BAQE/2,2	2,2	3		15,3							15,3	15,2	14,8	14	13,3	12,1	10,8									
CM-G 65-1680/A/BAQE/3	3	4		16,8							16,8	16,5	16,1	15,5	14,6	13,6	12,4									
CM-G 65-2380/A/BAQE/4	4	5,5	H (m)	23,8							24	23,8	23,4	22,7	21,6	20,4	19									
CM-G 80-550/A/BAQE/0,55	0,55	0,75		5,5							5,2	5	4,7	4,3	3,9	3,3	2,6									
CM-G 80-650/A/BAQE/0,75	0,75	1		6,5							6,3	6,1	5,8	5,5	5	4,5	3,9									
CM-G 80-740/A/BAQE/1,1	1,1	1,5		7,4							7,4	7,3	7,2	6,9	6,7	6,3	5,8	4,4								
CM-G 80-890/A/BAQE/1,5	1,5	2		8,9								8,8	8,7	8,6	8,3	8	7,6	6,6								
CM-G 80-1050/A/BAQE/2,2	2,2	3		10,5									10,4	10,3	10,2	9,9	9,6	8,8								
CM-G 80-1530/A/BAQE/3	3	4		15,3									15,4	15,3	15	14,6	14,1	12,9	11,3							
CM-G 80-1700/A/BAQE/4	4	5,5		17									17,2	17,2	17,1	16,8	16,5	15,7	14,3	12,6						
CM-G 80-2410/A/BAQE/5,5	5,5	7,5		24,1									23,8	23,6	23,3	22,8	22,3	20,8	18,6							
CM-G 80-2700/A/BAQE/7,5	7,5	10		27												26	25,5	24,5	22,7	20,2	19					
CM-G 80-3420/A/BAQE/11	11	15		34,2												33,2	33	32	30,7	29	28	25	21,7			
CM-G 100-510/A/BAQE/0,75	0,75	1		5,1							4,9	4,8	4,7	4,7	4,4	4,2	3,8	3								
CM-G 100-650/A/BAQE/1,1	1,1	1,5		6,5							6,4	6,4	6,3	6,2	6	5,8	5,5	4,6								
CM-G 100-660/A/BAQE/1,5	1,5	2		6,6										6,4	6,3	6,2	6	5,6	5	4,5	4,3	3,7	3			
CM-G 100-865/A/BAQE/2,2	2,2	3		8,6										8,5	8,5	8,3	8,2	7,7	7,2	6,7	6,3	5,7	4,9	4,6		
CM-G 100-1020/A/BAQE/3	3	4		10,2										10,2	10,1	10	9,9	9,7	9,3	8,8	8,6	7,9	7,2	6,7		
CM-G 100-1320/A/BAQE/4	4	5,5		13,2												13,2	13,2	12,9	12,4	11,7	11,3	10,4	9,3	8,7		
CM-G 100-1650/A/BAQE/5,5	5,5	7,5		16,5												16,6	16,5	16,2	16	15,4	15	14,3	13,3	12,7		
CM-G 100-2050/A/BAQE/7,5	7,5	10		20,5												21	21	20,7	20	19,5	19	18	16,7	16		
CM-G 100-2550/A/BAQE/11	11	15		25,5												25,5	25,5	25,1	25	24,2	24	23	21,5	21		
CM-G 100-3290/A/BAQE/15	15	20		32,9														33	32,8	32	31,6	30,5	29,5	28,9	24	
CM-G 100-3680/A/BAQE/18,5	18,5	25		36,8														37	36,8	36,5	36,1	35,5	34,5	34	29,5	
CM-G 100-4100/A/BAQE/22	22	30		41														41,4	41	40,6	40,5	39,8	39	38,5	34,8	29

CM-G - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	60	72	84	90	102	114	120	150	180	210	250	300	360	390	420
	kW	HP		0	1000	1200	1400	1500	1700	1900	2000	2500	3000	3500	4167	5000	6000	6500	7000
CM-G 125-1075/A/BAQE/4	4	5,5		10,8	10,1	10	9,7	9,5	9,1	8,5	8,3	7	5,4						
CM-G 125-1270/A/BAQE/5,5	5,5	7,5		12,7	12,6	12,5	12,4	12,3	12	11,5	11,4	10,1	8,5						
CM-G 125-1560/A/BAQE/7,5	7,5	10		15,6	15,4	15,3	15,1	15	14,7	14,5	14,3	13,3	11,6	9,8					
CM-G 125-2100/A/BAQE/11	11	15		21	21,5	21,5	21,2	21	20,9	20	19,8	18	16						
CM-G 125-2550/A/BAQE/15	15	20		25,5	25,5	25,5	25,1	25,1	25	24,5	24	22,5	20,5	17,5					
CM-G 125-3200/A/BAQE/18,5	18,5	25		32			31,5	31,4	31	30,5	28,8	26	23						
CM-G 125-3600/A/BAQE/22	22	30	H (m)	36			35,5	35,2	35	34,6	33,2	31	28	24					
CM-G 125-4022/A/BAQE/30	30	40		40,2			39,7	39,3	39,1	38,7	37,1	34,6	31,3	26,8					
CM-G 150-955/A/BAQE/5,5	5,5	7,5		9,6				10,1	10,1	10	10	9,8	9,6	9,4	8	5,9			
CM-G 150-1322/A/BAQE/7,5	7,5	10		13,2				13	12,8	12,6	12,5	11,9	11,1	10,1	8,5				
CM-G 150-1600/A/BAQE/11	11	15		16					15,5	15,5	15,4	14,8	14	13	11	9,2			
CM-G 150-1950/A/BAQE/15	15	20		19,5					19,5	19,4	19,3	19,2	18,7	17,8	16	14,1	10,9		
CM-G 150-2200/A/BAQE/18,5	18,5	25		22					22	21,9	21,8	21,7	21,4	20,5	19	17,2	14	12	
CM-G 150-2405/A/BAQE/22	22	30		24,1					23,9	23,9	23,8	23,6	23,2	22,7	21,8	20,2	17,5	15,6	14

DCM - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	0,6	1,2	1,8	2,4	3,0	4,5	6	9	10,5	12	13,5	15	18	24	27	30	36	42	48	54	60	66	72	78	90	105	120
	kW	HP		0	10	20	30	40	50	75	100	150	175	200	225	250	300	400	450	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000
DCM 40/380 T	0,25	0,33					3,8	3,7	3,6	3,15	2,6																				
DCM 40/460 T	0,25	0,33						4,6	4,5	4,1	3,6	2,2																			
DCM 40/620 T	0,25	0,33							6,2	6	5,8	4,5	3,9	3																
DCM 50/460 T	0,25	0,33									4,6	4,3	4,1	3,9	3,6	3,3	2,4														
DCM 50/630 T	0,4	0,5									6,3	6,1	6	5,8	5,5	5,2	4,6														
DCM 50/880 T	0,5	0,7									8,8	8,3	8	7,7	7,3	6,9	5,9														
DCM 65/670 T	0,6	0,7												6,7	6,6	6,4	6,1	5,1	4,3	3,3											
DCM 65/820 T	0,8	1												8,2	8	7,9	7,7	7	6,6	6	4										
DCM 65/900 T	0,9	1,2	H (m)											9	8,9	8,8	8,6	8,1	7,7	7,2	5,5										
DCM 80/630 T	0,8	1															6,3	6,1	5,9	5,6	4,9	4,1	3,2								
DCM 80/730 T	0,9	1,2															7,3	7,1	7	6,8	6,3	5,6	4,8	3,9							
DCM 80/860 T	1,1	1,5															8,6	8,4	8,3	8,2	8	7,5	6,8	6	5						
DCM 80/1020 T	1,5	2															10,2	10	9,9	9,8	9,4	9	8,5	7,7	6,5						
DCM 100/820 T	1,5	2																		8,2	7,8	7,4	7	6,5	6	5,3	4,6	4			
DCM 100/1000 T	2,2	3																			10	9,7	9,3	8,9	8,5	8	7,5	7	6		
DCM 100/1200 T	3,0	4																			12	11,7	11,5	11,3	11	10,5	10	9,5	8,5	7	
DCM 100/1450 T	4	5,5																			14,5	14,2	14	13,8	13,5	13,1	12,7	12,2	11	9	6,5

CM/CM-G/DCM
IN-LINE PUMPS



CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS

Circulating pumps with in-line connections, suitable for civil and industrial installations for heating, air-conditioning and hot water for domestic use. Pump body, motor support, impeller and fan cover in cast iron.
PN 16 flanged suction and delivery connections with threaded holes for control pressure gauges.
Carbon/ceramic mechanical seal.
Three-phase, four-pole, asynchronous motor with external ventilation. To protect the motor it is advisable to use a thermal overload protection complying with the regulations in force.

Operating range: from 1,2 to 420 m³/h with head up to 41 metres.
Liquid temperature range: from -10°C to +140°C.
Pumped liquid characteristics: clean , free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C.
Maximum working pressure: 16 bar (1600 kPa).
Protection level: IP 55.
Insulation class: F.
PN 16 counter flanges on request.

TECHNICAL DATA - CM/CM-G *SINGLE FLANGED*

CM - 1400 r.p.m. 1/min - 4 poles

MODEL	CODE	ELECTRICAL DATA					CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A		
				kW	HP			
CM 40-440 T*	60146975	3 x 230 - 400 V ~	0,28	0,7	1	2,1-1,2	390	DN 40
CM 40-540 T*	60146976	3 x 230 - 400 V ~	0,33	0,7	1	2,1-1,2	390	DN 40
CM 40-670 T*	60146977	3 x 230 - 400 V ~	0,39	0,7	1	2,2-1,3	390	DN 40
CM 40-870 T*	60146978	3 x 230 - 400 V ~	0,51	0,7	1	2,2-1,3	390	DN 40
CM 40-1300 T*	105122100	3 x 230 - 400 V ~	1,1	0,8	1	3,5-2	380	DN 40
CM 40-1450 T*	105122110	3 x 230 - 400 V ~	1,2	0,9	1,3	4,2-2,4	380	DN 40
CM 50-510 T*	60146979	3 x 230 - 400 V ~	0,35	0,7	1	2,1-1,2	425	DN 50
CM 50-630 T*	60146980	3 x 230 - 400 V ~	0,5	0,7	1	2,2-1,3	425	DN 50
CM 50-780 T*	60146981	3 x 230 - 400 V ~	0,5	0,7	1	2,2-1,3	425	DN 50
CM 50-1000 T*	60146982	3 x 230 - 400 V ~	0,64	0,7	1	2,4-1,4	425	DN 50
CM 50-1270 T*	105122120	3 x 230 - 400 V ~	1,4	1,1	1,5	4,5-2,6	400	DN 50
CM 50-1420 T*	105122130	3 x 230 - 400 V ~	1,4	1,1	1,5	4,5-2,6	400	DN 50
CM 65-420/A/BAQE/0,25	1D4111GX3	3 x 230 - 400 V ~	0,4	0,25	0,34	1,46-0,84	360	DN 65
CM 65-540/A/BAQE/0,37	1D4111G13	3 x 230 - 400 V ~	0,6	0,37	0,5	1,86-1,07	360	DN 65
CM 65-660/A/BAQE/0,55	1D4111G23	3 x 230 - 400 V ~	0,8	0,55	0,75	2,54-1,47	360	DN 65
CM 65-760/A/BAQE/0,55	1D4211G23	3 x 230 - 400 V ~	0,8	0,55	0,75	2,64-1,53	360	DN 65
CM-G 65-920/A/BAQE/0,75*	1D4211G3C	3 x 230 - 400 V ~	1,1	0,75	1	3,55-2,05	360	DN 65
CM-G 65-1080/A/BAQE/1,1*	1D4311G4C	3 x 230 - 400 V ~	1,5	1,1	1,5	5,10-3	475	DN 65
CM-G 65-1200/A/BAQE/1,5*	1D4311G5C	3 x 230 - 400 V ~	1,9	1,5	2	6,4-3,7	475	DN 65
CM-G 65-1530/A/BAQE/2,2*	1D4311G6C	3 x 230 - 400 V ~	2,6	2,2	3	8,73-5,04	475	DN 65
CM-G 65-1680/A/BAQE/3*	1D4311G7D	3 x 400 V ~ [1]	3,2	3	4	6	475	DN 65
CM-G 65-2380/A/BAQE/4*	1D4411G8D	3 x 400 V ~ [1]	4,7	4	5,5	10	475	DN 65
CM 80-550/A/BAQE/0,55	1D5111G23	3 x 230 - 400 V ~	0,8	0,55	0,75	2,62-1,51	360	DN 80
CM-G 80-650/A/BAQE/0,75*	1D5111G3C	3 x 230 - 400 V ~	1,1	0,75	1	3,48-2	360	DN 80
CM-G 80-740/A/BAQE/1,1*	1D5211G4C	3 x 230 - 400 V ~	1,5	1,1	1,5	5,10-3	440	DN 80
CM-G 80-890/A/BAQE/1,5*	1D5211G5C	3 x 230 - 400 V ~	1,9	1,5	2	6,4-3,7	440	DN 80
CM-G 80-1050/A/BAQE/2,2*	1D5211G6C	3 x 230 - 400 V ~	3	2,2	3	8,73-5,04	440	DN 80
CM-G 80-1530/A/BAQE/3*	1D5311G7D	3 x 400 V ~ [1]	4	3	4	6	500	DN 80
CM-G 80-1700/A/BAQE/4*	1D5311G8D	3 x 400 V ~ [1]	5,8	4	5,5	10	500	DN 80
CM-G 80-2410/A/BAQE/5,5*	1D5411G9D	3 x 400 V ~ [1]	6,7	5,5	7,5	12,7	620	DN 80

*** NEW IE2 MOTOR**

TECHNICAL DATA - CM/CM-G *SINGLE FLANGED*

CM - 1400 r.p.m. 1/min - 4 poles

MODEL	CODE	ELECTRICAL DATA					CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A		
CM-G 80-2700/A/BAQE/7,5*	1D5511GAD	3 x 400 V ~ [1]	8,9	7,5	10	16	620	DN 80
CM-G 80-3420/A/BAQE/11*	1D5511GBD	3 x 400 V ~ [1]	13	11	15	24	620	DN 80
CM-G 100-510/A/BAQE/0,75*	1D6111G3C	3 x 230 - 400 V ~	1	0,75	1	3,48-2	500	DN 100
CM-G 100-650/A/BAQE/1,1*	1D6111G4C	3 x 230 - 400 V ~	1,5	1,1	1,5	5,10-3	500	DN 100
CM-G 100-660/A/BAQE/1,5*	1D6211G5C	3 x 230 - 400 V ~	1,9	1,5	2	6,4-3,7	550	DN 100
CM-G 100-865/A/BAQE/2,2*	1D6211G6C	3 x 230 - 400 V ~	3	2,2	3	8,73-5,04	550	DN 100
CM-G 100-1020/A/BAQE/3*	1D6211G7D	3 x 400 V ~ [1]	4	3	4	6	550	DN 100
CM-G 100-1320/A/BAQE/4*	1D6311G8D	3 x 400 V ~ [1]	5,8	4	5,5	10	550	DN 100
CM-G 100-1650/A/BAQE/5,5*	1D6311G9D	3 x 400 V ~ [1]	6,7	5,5	7,5	12,7	550	DN 100
CM-G 100-2050/A/BAQE/7,5*	1D6411GAD	3 x 400 V ~ [1]	8,9	7,5	10	16	670	DN 100
CM-G 100-2550/A/BAQE/11*	1D6411GBD	3 x 400 V ~ [1]	13	11	15	24	670	DN 100
CM-G 100-3290/A/BAQE/15*	1D6511GCD	3 x 400 V ~ [1]	17	15	20	31	670	DN 100
CM-G 100-3680/A/BAQE/18,5*	1D6511GDD	3 x 400 V ~ [1]	21	18,5	25	38	670	DN 100
CM-G 100-4100/A/BAQE/22*	1D6511GED	3 x 400 V ~ [1]	25	22	30	44	670	DN 100
CM-G 125-1075/A/BAQE/4*	1D7311G8D	3 x 400 V ~ [1]	5,8	4	5,5	10	620	DN 125
CM-G 125-1270/A/BAQE/5,5*	1D7311G9D	3 x 400 V ~ [1]	6,7	5,5	7,5	12,7	620	DN 125
CM-G 125-1560/A/BAQE/7,5*	1D7311GAD	3 x 400 V ~ [1]	8,9	7,5	10	16	620	DN 125
CM-G 125-2100/A/BAQE/11*	1D7411GBD	3 x 400 V ~ [1]	13	11	15	24	800	DN 125
CM-G 125-2550/A/BAQE/15*	1D7411GCD	3 x 400 V ~ [1]	17	15	20	31	800	DN 125
CM-G 125-3200/A/BAQE/18,5*	1D7511GDD	3 x 400 V ~ [1]	21	18,5	25	38	800	DN 125
CM-G 125-3600/A/BAQE/22*	1D7511GED	3 x 400 V ~ [1]	25	22	30	44	800	DN 125
CM-G 125-4022/A/BAQE/30*	1D7511GFD	3 x 400 V ~ [1]	34	30	40	58	800	DN 125
CM-G 150-955/A/BAQE/5,5*	1D8411G9D	3 x 400 V ~ [1]	6,7	5,5	7,5	12,7	800	DN 150
CM-G 150-1322/A/BAQE/7,5*	1D8411GAD	3 x 400 V ~ [1]	9	7,5	10	16	800	DN 150
CM-G 150-1600/A/BAQE/11*	1D8411GBD	3 x 400 V ~ [1]	13	11	15	24	800	DN 150
CM-G 150-1950/A/BAQE/15*	1D8411GCD	3 x 400 V ~ [1]	17	15	20	31	800	DN 150
CM-G 150-2200/A/BAQE/18,5*	1D8411GDD	3 x 400 V ~ [1]	21	18,5	25	38	800	DN 150
CM-G 150-2405/A/BAQE/22*	1D8411GED	3 x 400 V ~ [1]	25	22	30	44	800	DN 150

*** NEW IE2 MOTOR**

[1] Star (Y) starting is possible

TECHNICAL DATA - DCM *TWIN FLANGED*

CM - 1400 r.p.m. 1/min - 4 poles

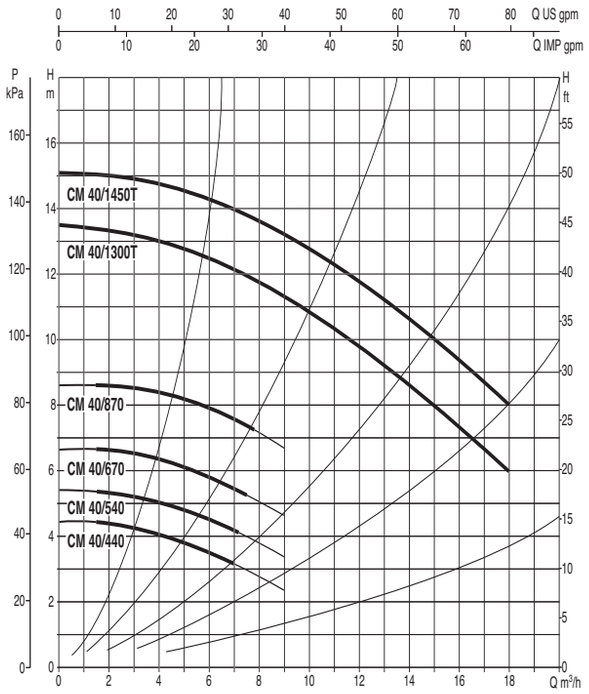
MODEL	CODE	ELECTRICAL DATA					CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A		
DCM 40/380 T	105222100	3 x 230 - 400 V ~	0,41	0,25	0,33	1,46/0,85	340	DN 40
DCM 40/460 T	105222110	3 x 230 - 400 V ~	0,41	0,25	0,33	1,46/0,85	340	DN 40
DCM 40/620 T	105222120	3 x 230 - 400 V ~	0,41	0,25	0,33	1,46/0,85	340	DN 40
DCM 50/460 T	105222130	3 x 230 - 400 V ~	0,41	0,25	0,33	1,46/0,85	365	DN 50
DCM 50/630 T	105222140	3 x 230 - 400 V ~	0,57	0,37	0,50	2/1,15	365	DN 50
DCM 50/880 T	105222150	3 x 230 - 400 V ~	0,79	0,50	0,70	2,8/1,6	410	DN 50
DCM 65/670 T*	105222160	3 x 230 - 400 V ~	0,79	0,55	0,75	2,8/1,6	450	DN 65
DCM 65/820 T*	105222170	3 x 230 - 400 V ~	1,1	0,75	1	3,5/2	450	DN 65
DCM 65/900 T*	105222180	3 x 230 - 400 V ~	1,2	0,9	1,25	4,2/2,4	450	DN 65
DCM 80/630 T*	105222190	3 x 230 - 400 V ~	1,1	0,75	1	3,5/2	510	DN 80
DCM 80/730 T*	105222200	3 x 230 - 400 V ~	1,2	0,9	1,25	4,2/2,4	510	DN 80
DCM 80/860 T*	105222210	3 x 230 - 400 V ~	1,4	1,1	1,5	4,5/2,6	510	DN 80
DCM 80/1020 T*	105222220	3 x 230 - 400 V ~	1,9	1,5	2	6,1/3,5	510	DN 80
DCM 100/820 T*	105222230	3 x 230 - 400 V ~	1,9	1,5	2	6,1/3,5	630	DN 100
DCM 100/1000 T*	105222240	3 x 230 - 400 V ~	2,61	2,2	3	8,9/5,1	630	DN 100
DCM 100/1200 T*	105222250	3 x 230 - 400 V ~	3,58	3	4	12/6,9	630	DN 100
DCM 100/1450 T*	105222260	3 x 230 - 400 V ~	5,16	4	5,5	16/9,2	630	DN 100

*** NEW IE2 MOTOR**

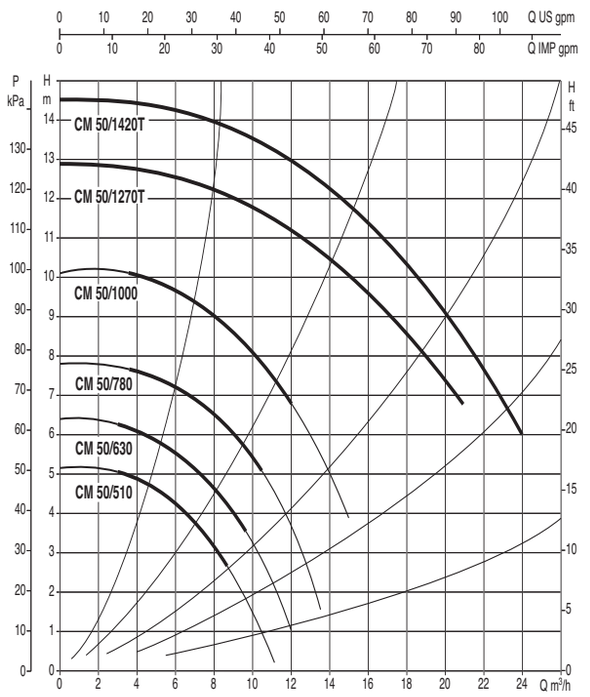
[1] Star (⅄) starting is possible

4 POLES

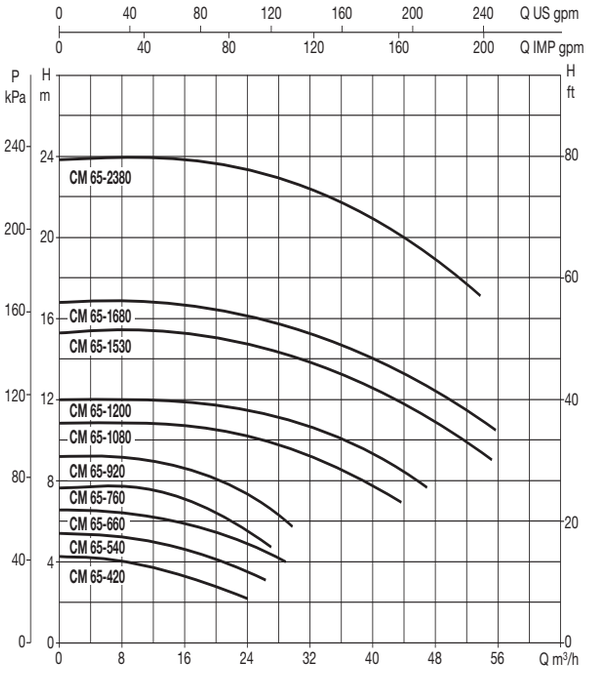
CM 40



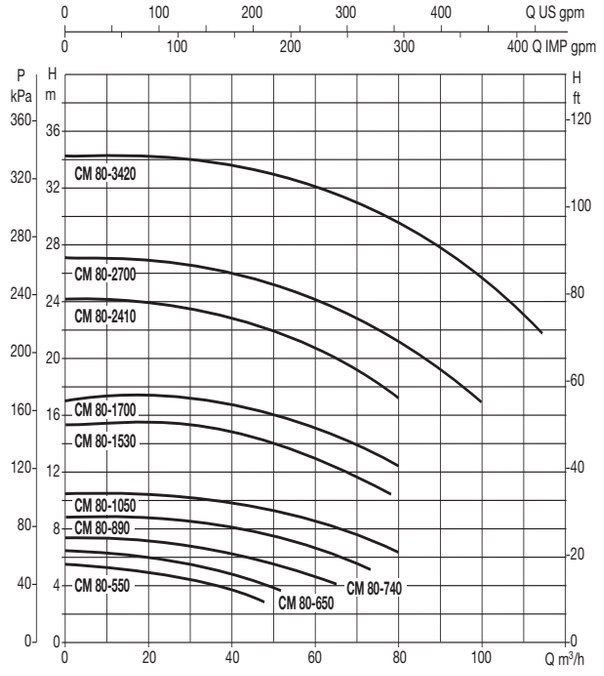
CM 50



CM/CM-G 65



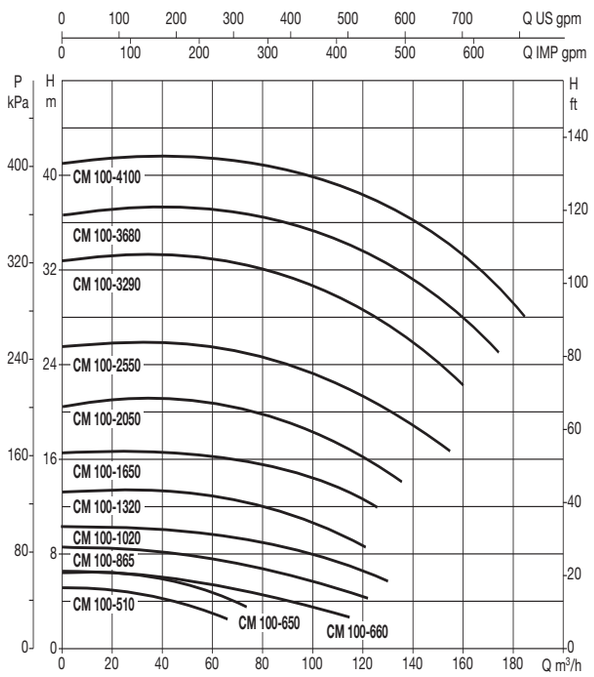
CM-G 80



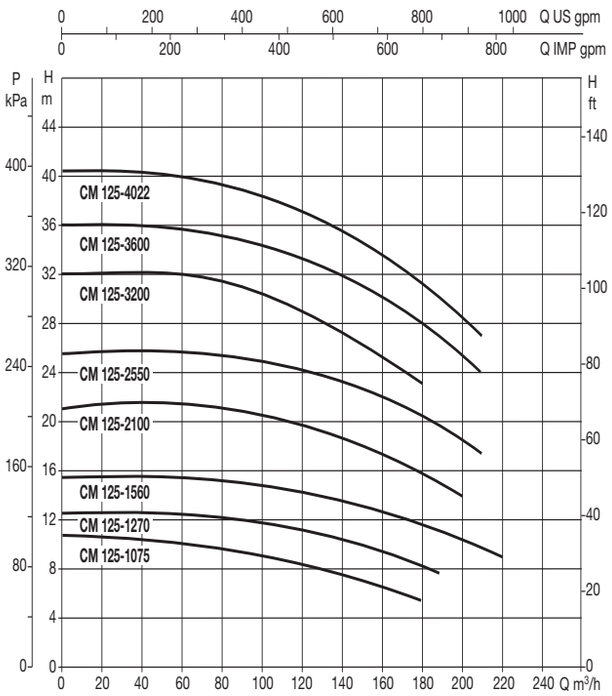
CM/CM-G/DCM
IN-LINE PUMPS

4 POLES

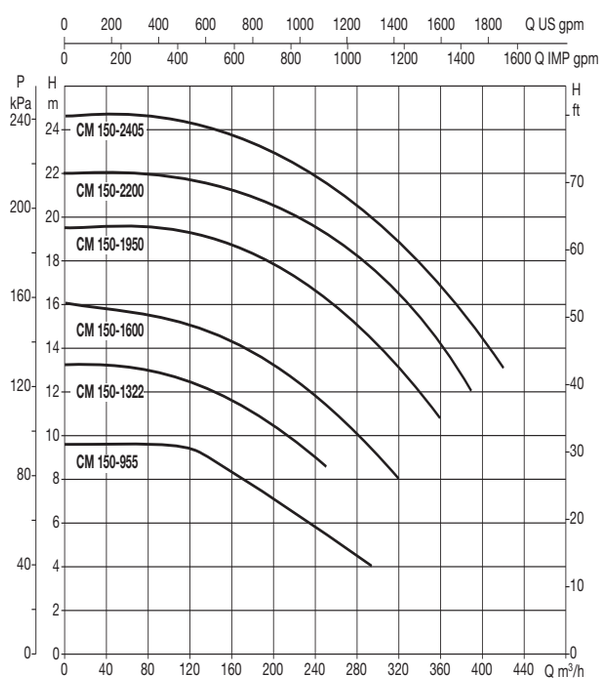
CM-G 100



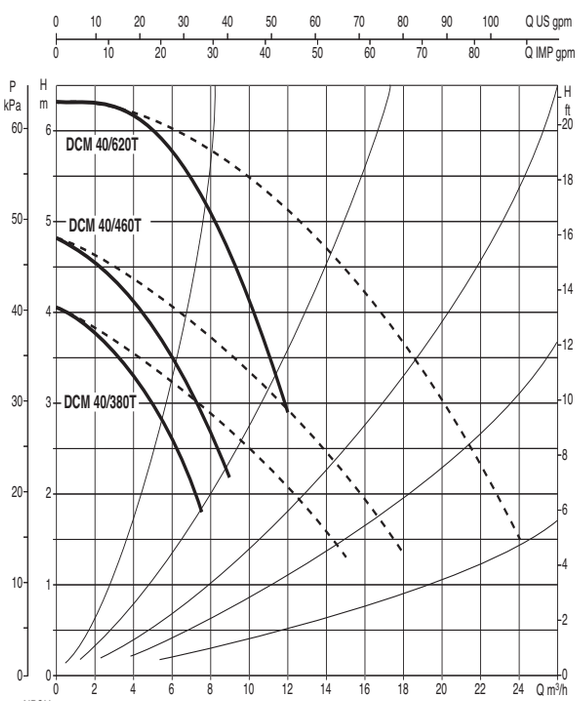
CM-G 125



CM-G 150

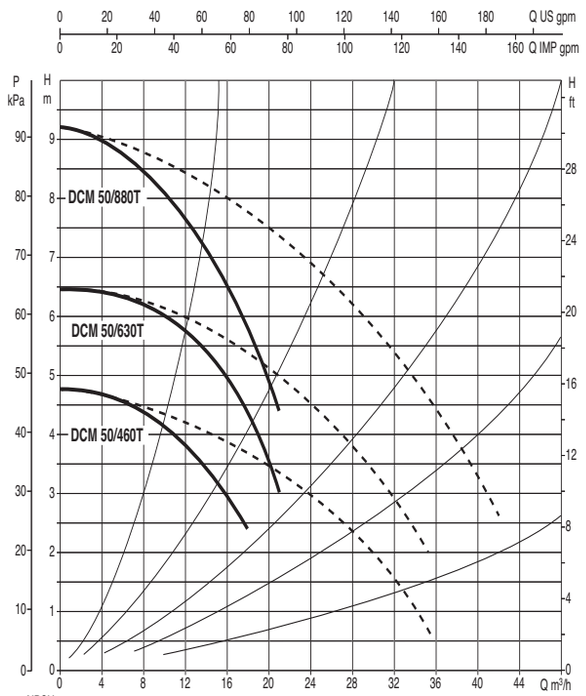


DCM 40

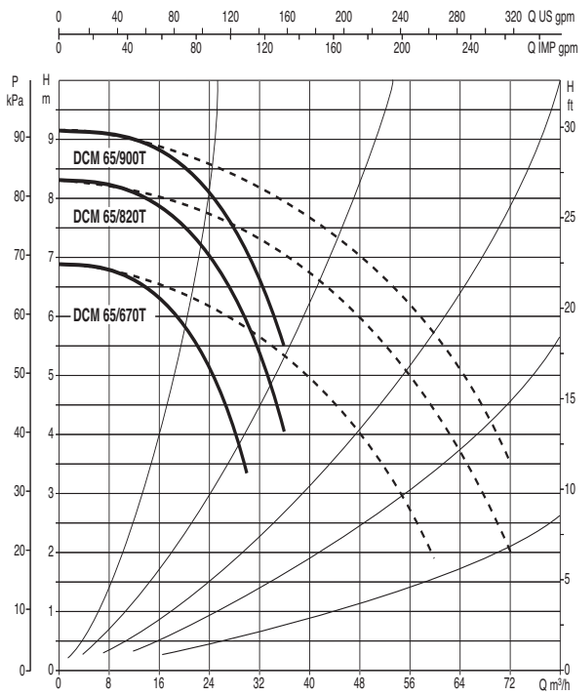


4 POLES

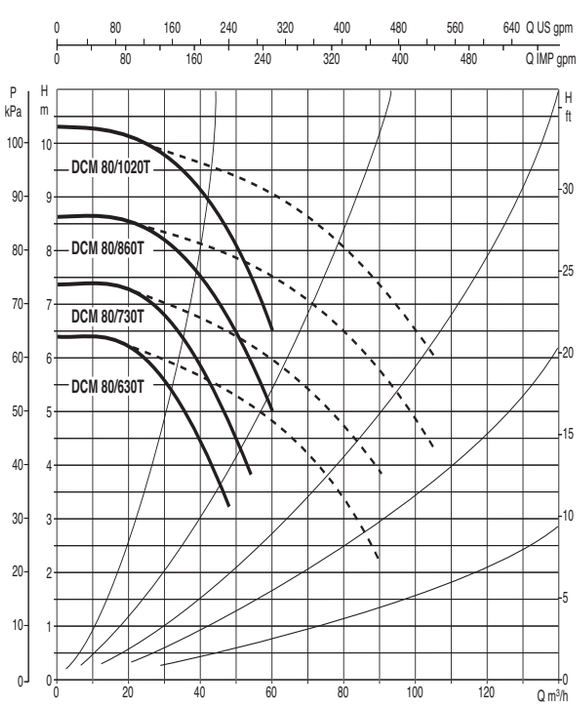
DCM 50



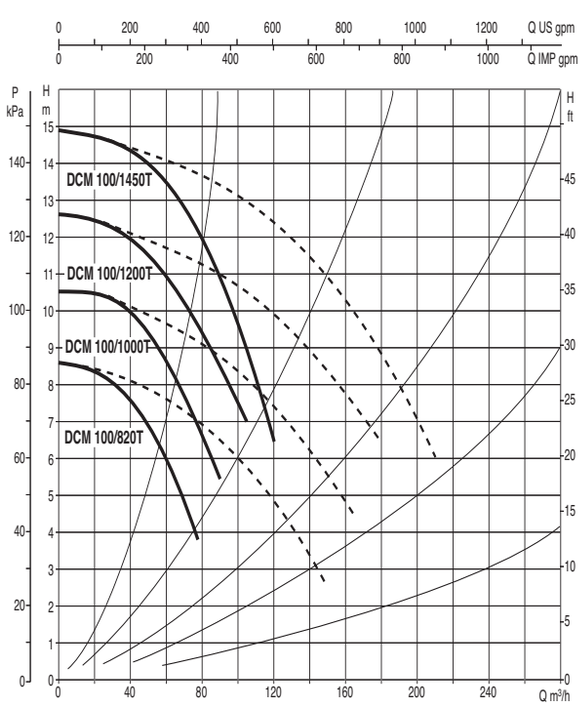
DCM 65



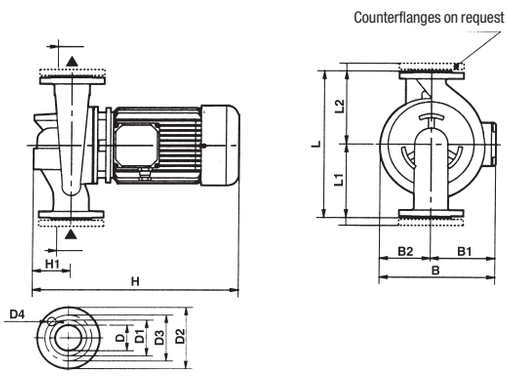
DCM 80



DCM 100

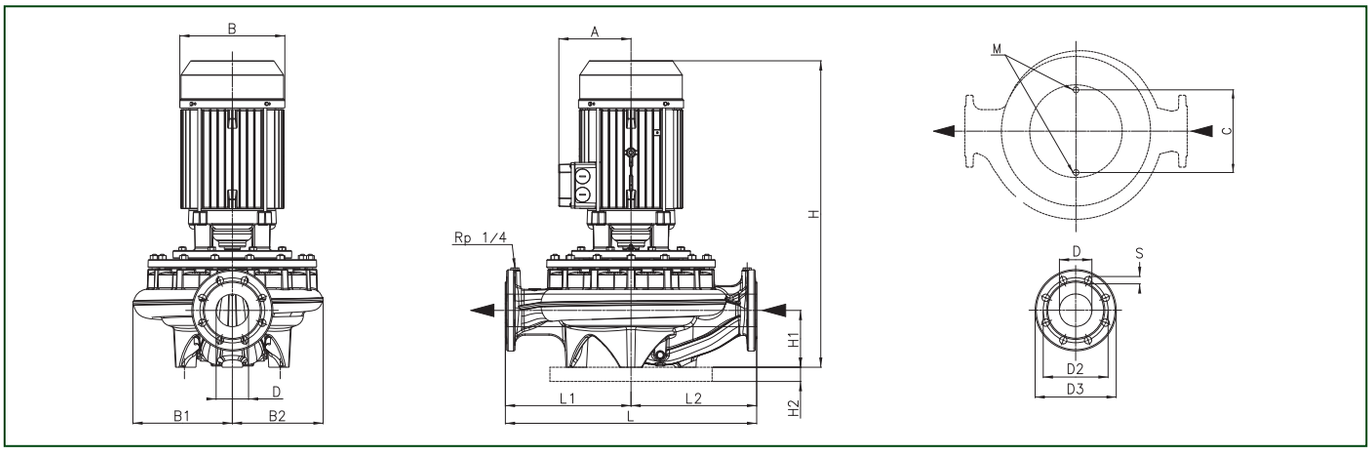


DIMENSIONS AND WEIGHTS



MODEL	DIMENSIONS													PACKAGING DIMENSIONS		
	L	L1	L2	B	B1	B2	H	H1	D	D1	D2	D3	D4 n° Holes	L/A	L/B	H
CM 40/440 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110	4 Ø 18	680	330	580
CM 40/540 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110		680	330	580
CM 40/670 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110		680	330	580
CM 40/870 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110		680	330	580
CM 40/1300 T	380	200	180	245	118	127	445	100	40 PN 6	88	150	110		450	270	465
CM 40/1450 T	380	200	180	245	118	127	445	100	40 PN 6	88	150	110		450	270	465
CM 50/510 T	425	225	200	233	120	113	463	105	50 PN 16	102	165	125	4 Ø 18	680	330	580
CM 50/630 T	425	225	200	233	120	113	463	105	50 PN 16	102	165	125		680	330	580
CM 50/780 T	425	225	200	233	120	113	463	105	50 PN 16	102	165	125		680	330	580
CM 50/1000 T	425	225	200	233	120	113	463	105	50 PN 16	102	165	125		680	330	580
CM 50/1270 T	400	220	180	280	149	131	495	110	50 PN 10	102	165	125		520	320	535
CM 50/1440 T	400	220	180	280	149	131	495	110	50 PN 10	102	165	125		520	320	535

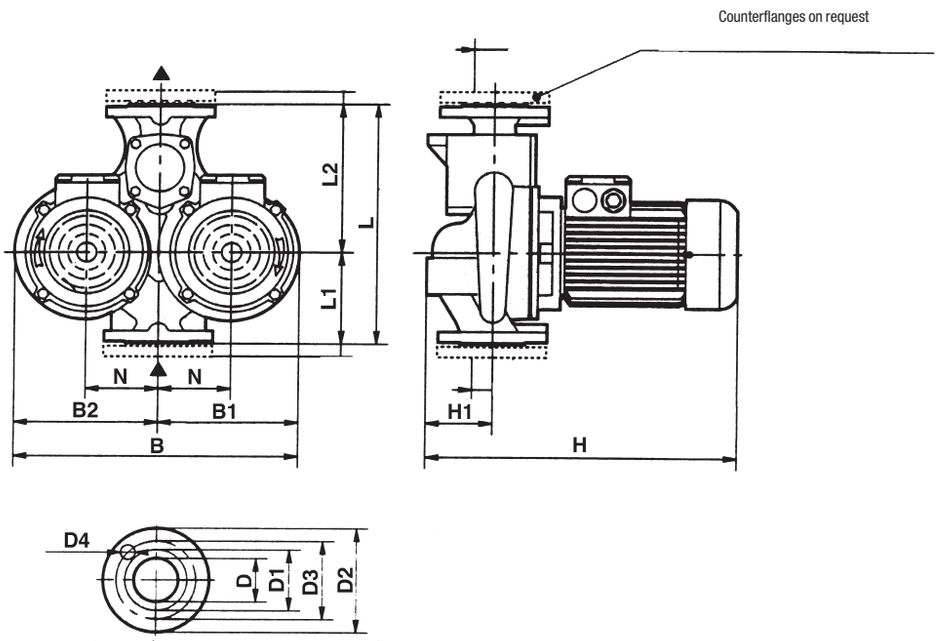
CM/CM-G/DCM
IN-LINE PUMPS



MODEL	DIMENSIONS																	PACKAGING DIMENSIONS		
	A	B	B1	B2	C	D	D2	D3	S	n°Holes	H	H1	H2	L	L1	L2	M	L/A	L/B	H
CM 65-420/A/BAQE/0,25	105	141	144	126	144	65	145	185	18		467	105	35	360	180	180	M16	670	390	710
CM 65-540/A/BAQE/0,37	105	141	144	126	144	65	145	185	18		467	105	35	360	180	180	M16	670	390	710
CM 65-660/A/BAQE/0,55	127	160	144	126	144	65	145	185	18		492	105	35	360	180	180	M16	670	390	710
CM 65-760/A/BAQE/0,55	127	160	144	126	144	65	145	185	18		492	105	35	360	180	180	M16	670	390	710
CM-G 65-920/A/BAQE/0,75	127	160	144	126	144	65	145	185	18		492	105	35	360	180	180	M16	670	390	710
CM-G 65-1080/A/BAQE/1,1	127	160	180	164	144	65	145	185	18	4	505	125	35	475	237,5	237,5	M16	670	390	710
CM-G 65-1200/A/BAQE/1,5	129	176	180	164	144	65	145	185	18		529	125	35	475	237,5	237,5	M16	670	390	710
CM-G 65-1530/A/BAQE/2,2	129	176	180	164	144	65	145	185	18		529	125	35	475	237,5	237,5	M16	670	390	710
CM-G 65-1680/A/BAQE/3	144	193	180	164	144	65	145	185	18		575	125	35	475	237,5	237,5	M16	670	390	710
CM-G 65-2380/A/BAQE/4	144	193	180	164	144	65	145	185	18		575	125	35	475	237,5	237,5	M16	670	390	710
CM-G 80-550/A/BAQE/0,55	127	160	135	117	144	80	160	200	18		495	105	35	360	180	180	M16	520	290	700
CM-G 80-650/A/BAQE/0,75	127	160	135	117	144	80	160	200	18		495	105	35	360	180	180	M16	520	290	700
CM-G 80-740/A/BAQE/1,1	127	160	178	146	144	80	160	200	18		505	115	35	440	220	220	M16	670	390	710
CM-G 80-890/A/BAQE/1,5	129	176	178	146	144	80	160	200	18		530	115	35	440	220	220	M16	670	390	710
CM-G 80-1050/A/BAQE/2,2	129	176	178	146	144	80	160	200	18		530	115	35	440	220	220	M16	670	390	710
CM-G 80-1530/A/BAQE/3	144	193	190	164	144	80	160	200	18		576	115	35	500	250	250	M16	670	390	710
CM-G 80-1700/A/BAQE/4	144	193	190	164	144	80	160	200	18		576	115	35	500	250	250	M16	670	390	710
CM-G 80-2410/A/BAQE/5,5	150	220	245	224	230	80	160	200	18		663	140	35	620	310	310	M16	900	550	1060
CM-G 80-2700/A/BAQE/7,5	178	259	245	224	230	80	160	200	18		755	140	35	620	310	310	M16	900	550	1060
CM-G 80-3420/A/BAQE/11	178	259	245	224	230	80	160	200	18		755	140	35	620	310	310	M16	900	550	1060
CM-G 100-510/A/BAQE/0,75	127	160	158	126	144	100	180	220	18		532	140	35	500	250	250	M16	670	390	710
CM-G 100-650/A/BAQE/1,1	127	160	158	126	144	100	180	220	18		532	140	35	500	250	250	M16	670	390	710
CM-G 100-660/A/BAQE/2,5	129	179	193	153	230	100	180	220	18		552	140	35	550	275	275	M16	670	390	710
CM-G 100-865/A/BAQE/2,2	129	179	193	153	230	100	180	220	18		552	140	35	550	275	275	M16	670	390	710
CM-G 100-1020/A/BAQE/3	144	193	193	153	230	100	180	220	18		598	140	35	550	275	275	M16	670	390	710
CM-G 100-1320/A/BAQE/4	144	193	204	174	230	100	180	220	18		635	140	35	550	275	275	M16	780	460	860
CM-G 100-1650/A/BAQE/5,5	150	220	204	174	230	100	180	220	18		667	140	35	550	275	275	M16	780	460	860
CM-G 100-2050/A/BAQE/7,5	178	259	293	252	230	100	180	220	18		795	175	35	670	335	335	M16	900	550	1060
CM-G 100-2550/A/BAQE/11	178	259	293	252	230	100	180	220	18	8	795	175	35	670	335	335	M16	900	550	1060
CM-G 100-3290/A/BAQE/15	223	309	293	252	230	100	180	220	18		935	175	35	670	335	335	M16	900	550	1060
CM-G 100-3680/A/BAQE/18,5	223	309	293	252	230	100	180	220	18		935	175	35	670	335	335	M16	900	550	1060
CM-G 100-4100/A/BAQE/22	223	309	293	252	230	100	180	220	18		935	175	35	670	335	335	M16	900	550	1060
CM-G 125-1075/A/BAQE/4	144	193	252	205	230	125	210	250	18		716	215	35	620	310	310	M16	900	550	1060
CM-G 125-1270/A/BAQE/5,5	150	220	252	205	230	125	210	250	18		747	215	35	620	310	310	M16	900	550	1060
CM-G 125-1560/A/BAQE/7,5	178	259	252	205	230	125	210	250	18		839	215	35	620	310	310	M16	900	550	1060
CM-G 125-2100/A/BAQE/11	178	259	274	245	230	125	210	250	18		845	215	35	800	400	400	M16	900	550	1060
CM-G 125-2550/A/BAQE/15	223	309	274	245	230	125	210	250	18		985	215	35	800	400	400	M16	900	550	1200
CM-G 125-3200/A/BAQE/18,5	223	309	274	245	230	125	210	250	18		985	215	35	800	400	400	M16	900	550	1200
CM-G 125-3600/A/BAQE/22	223	309	274	245	230	125	210	250	18		985	215	35	800	400	400	M16	900	550	1200
CM-G 125-4022/A/BAQE/30	237	350	274	245	230	125	210	250	18		985	215	35	800	400	400	M16	900	550	1200
CM-G 150-955/A/BAQE/5,5	150	220	299	239	230	150	240	285	22		756	215	35	800	400	400	M16	900	550	1060
CM-G 150-1322/A/BAQE/7,5	178	259	299	239	230	150	240	285	22		848	215	35	800	400	400	M16	900	550	1060
CM-G 150-1600/A/BAQE/11	178	259	299	239	230	150	240	285	22		848	215	35	800	400	400	M16	900	550	1060
CM-G 150-1950/A/BAQE/15	223	309	299	239	230	150	240	285	22		989	215	35	800	400	400	M16	900	550	1200
CM-G 150-2200/A/BAQE/18,5	223	309	299	239	230	150	240	285	22		989	215	35	800	400	400	M16	900	550	1200
CM-G 150-2405/A/BAQE/22	223	309	299	239	230	150	240	285	22		989	215	35	800	400	400	M16	900	550	1200

CM/CM-G/DCM
IN-LINE PUMPS

DCM



MODEL	L	L1	L2	B	B1	B2	H	H1	N	D	D1	D2	D3	D4	PACKAGING DIMENSIONS		
															L/A	L/B	H
DCM 40/380 T	340	130	210	397	197	200	425	100	100	40 PN6	88	150	110	4 Holes Ø 18	520	320	535
DCM 40/460 T	340	130	210	397	197	200	425	100	100	40 PN6	88	150	110		520	320	535
DCM 40/620 T	340	130	210	397	197	200	425	100	100	40 PN6	88	150	110		520	320	535
DCM 50/460 T	365	145	220	427	210	217	435	110	105	50 PN10	102	165	125	4 Holes Ø 18	520	320	535
DCM 50/630 T	4365	145	220	427	210	217	435	110	105	50 PN10	102	165	125		520	320	535
DCM 50/880 T	410	170	240	480	235	245	435	110	120	50 PN10	102	165	125		580	360	585
DCM 65/670 T	450	180	270	543	268	275	475	130	140	65 PN10	122	185	145	4 Holes Ø 18	–	–	–
DCM 65/820 T	450	180	270	543	268	275	475	130	140	65 PN10	122	185	145		–	–	–
DCM 65/900 T	450	180	270	543	268	275	475	130	140	65 PN10	122	185	145		–	–	–
DCM 80/630 T	510	205	305	550	270	280	485	150	135	80 PN10	138	200	160	8 Holes Ø 18	–	–	–
DCM 80/730 T	510	205	305	550	270	280	485	150	135	80 PN10	138	200	160		–	–	–
DCM 80/860 T	510	205	305	550	270	280	535	150	135	80 PN10	138	200	160		–	–	–
DCM 80/1020 T	510	205	305	550	270	280	535	150	135	80 PN10	138	200	160		–	–	–
DCM 100/820 T	630	240	390	670	345	325	605	180	165	100 PN10	158	220	180	8 Holes Ø 18	–	–	–
DCM 100/1000 T	630	240	390	670	345	325	605	180	165	100 PN10	158	220	180		–	–	–
DCM 100/1200 T	630	240	390	670	345	325	515	180	165	100 PN10	158	220	180		–	–	–
DCM 100/1450 T	630	240	390	670	345	325	535	180	165	100 PN10	158	220	180		–	–	–

CP/CP-G - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	3,6	4,8	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150
	kW	HP		0	60	80	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500
CP 40/1900 T	0,8	1		17,6	17,6	17,4	17	14																	
CP 40/2300 T	1,1	1,5		21,8	21,8	21,3	21	18																	
CP 40/2700 T	1,5	2		26,9	26,9	26,7	26,2	23,2																	
CP 40/3500 T	2,2	3		34,8	34,9	34,7	34,2	31,7																	
CP 40/3800 T	3	4					38	35	30																
CP 40/4700 T	4	5,5					47	44	39,5	35															
CP 40/5500 T	5,5	7,5					55	53	48	42															
CP 40/6200 T	7,5	10					62	59	54	49															
CP 50/2200 T	1,1	1,5					20	16,5	11																
CP 50/2600 T	1,5	2					25	22	16																
CP 50/3100 T	2,2	3					31	28,5	24																
CP 50/4100 T	4	5,5					40,7	38,5	34,5	27,7															
CP 50/4600 T	5,5	7,5							44	41,5	37	31													
CP 50/5100 T	7,5	10							50	47,5	42,5	37													
CP 50/5650 T	7,5	10							55,5	53	49	44													
CP-G 65-1470/A/BAQE/1,5	1,5	2		14,7			14,5	14,3	13,8	13	11,8	10,5	8,6	7											
CP-G 65-1900/A/BAQE/2,2	2,2	3		19			18,7	18,4	17,8	17	15,9	14,6	13	11											
CP-G 65-2280/A/BAQE/3	3	4		22,8			22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5										
CP-G 65-2640/A/BAQE/4	4	5,5		26,4			26,2	26	25,6	25	24	23	21,5	19,5	17,5	15									
CP-G 65-3400/A/BAQE/5,5	5,5	7,5	H (m)	34					34	33,5	32,5	31	29,5	27	24										
CP-G 65-4100/A/BAQE/7,5	7,5	10		41					41	41	40	39	37,5	35,5	33	30	26,5								
CP-G 65-4700/A/BAQE/11	11	15		47							45,5	45	44,3	43,3	42	40,8	39	37	35	32,3					
CP-G 65-5500/A/BAQE/15	15	20		55							56	55,5	54	53,5	52	51	49	47,5	45,5	43	41				
CP-G 65-6150/A/BAQE/18,5	18,5	25		61,5							62	62	61,5	60,5	59	58	56,5	55	53	51	48,5	43			
CP-G 65-6750/A/BAQE/22	22	30		67,5							68	67,5	67	66	65,5	64	62,5	61	59,5	57	55	50			
CP-G 65-7350/A/BAQE/22	22	30		73,5							75	74,5	73,8	73,5	71	68,5	67	65	62,5	60	57	49			
CP-G 65-9250/A/BAQE/30	30	40		92,5							94	94	94	93	91	89,4	87,5	85,6	83	81,5	78	72			
CP-G 80-1400/A/BAQE/2,2	2,2	3		14						13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5					
CP-G 80-1700/A/BAQE/3	3	4		17						16,5	16	15,5	15	14,5	13,7	13	12	11	10	9					
CP-G 80-2050/A/BAQE/4	4	5,5		20,5						20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5				
CP-G 80-2400/A/BAQE/5,5	5,5	7,5		24						23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4			
CP-G 80-2770/A/BAQE/7,5	7,5	10		27,7										27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1	
CP-G 80-3250/A/BAQE/11	11	15		32,5										32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6	
CP-G 80-4000/A/BAQE/15	15	20		40										40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9
CP-G 80-5150/A/BAQE/18,5	18,5	25		51,5										52	52	51,5	50,5	50	49	48,5	47,5	45	42,5	41	
CP-G 80-5650/A/BAQE/22	22	30		56,5										58	58	57,5	57	56,5	56	55	54,5	53	51	49	
CP-G 80-6850/A/BAQE/30	30	40		68,5										70	70	70	68,5	69	68,8	68,5	67,5	66	64	63	57
CP-G 80-8600/A/BAQE/37	37	50		86										83	82,5	82,5	82	81,5	81	80	79	76,5	73,5	72	60
CP-G 80-9600/A/BAQE/45	45	60		96										92,5	92	92	91,5	91,5	91	90	89,5	87,5	85	83	72,5
CP-G 80-10200/A/BAQE/55	55	75		102								101,6	101,5	101,3	101,1	100,7	100,3	99,7	99,1	98,3	97,4	95,4	92,9	91,5	83,2

IN-LINE PUMPS
PERFORMANCE RANGE

CP/CP-G - *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
	kW	HP		0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
CP-G 100-1600/A/BAQE/4	4	5,5		16	15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10	9,3	8											
CP-G 100-1950/A/BAQE/5,5	5,5	7,5		19,5	19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12										
CP-G 100-2350/A/BAQE/7,5	7,5	10		23,5	23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12									
CP-G 100-2400/A/BAQE/11	11	15		24										22	21,4	20,4	20	17,4	16,8	12							
CP-G 100-3050/A/BAQE/15	15	20		30,5										29	28,4	27,5	27	24,5	21,3	18,3							
CP-G 100-3550/A/BAQE/18,5	18,5	25		35,5										34,3	33,6	32,6	32,3	29,8	26,8	23,6	20						
CP-G 100-3850/A/BAQE/22	22	30		38,5										37,2	36,8	36	35,8	33,5	30,8	27,5	24						
CP-G 100-4800/A/BAQE/30	30	40		48										48,5	48,2	47,5	47	44,7	41	36	29						
CP-G 100-5600/A/BAQE/37	37	50		56										58	57,5	57,2	57	55	52	48	43						
CP-G 100-6300/A/BAQE/45	45	60		63										65,5	65	64	63	61,9	58,9	55,5	50,6	44,2					
CP-G 100-8300/A/BAQE/55	55	75		83										83,7	83,7	83,7	83,2	80,7	77,3	72,8	66,4	59,5					
CP-G 125-4750/A/BAQE/37	37	50		46,5														45	44	42	39	37	34,5	31	28		
CP-G 125-5300/A/BAQE/45	45	60		51,5														51	50	48,5	46	44	42	39	35	31,5	
CP-G 125-5800/A/BAQE/55	55	75		57,5														57	56	55	53	51	49	46	43	39	36

DCP- *HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS*

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36	42	48	54	60	75	90	105	120	135	150	165	180	195	210	225	225
	kW	HP		100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000
DCP 40/1250 T	0,6	0,8		12,5	11,5	10,5	9,5	8,1	6,8	5,2																						
DCP 40/1650 T	0,8	1		16,5	15,5	14,5	13,5	12,3	11	9,5	6																					
DCP 40/2050 T	1	1,4		20,5	20	19	18	17	16	15	11,5	7,5																				
DCP 40/2450 T	1,5	2		24,5	24	23,5	23	22	21	20	16,5	13																				
DCP 50/1550 T	1,5	2								15,5	15	14,1	13	11,8	10,5	7																
DCP 50/1900 T	2	2,7								19	18,5	17,5	16,5	15,5	14,5	10,5																
DCP 50/2450 T	3	4								24,5	24	23,5	23	22	20,5	17																
DCP 50/3000 T	3	4								30	29	28	26,5	25	23	18																
DCP 50/3650 T	4	5,5								36,5	35,5	34,5	33,5	32,5	31	27																
DCP 65/2300 T	3	4										23	22,5	22	21,5	19,8	17,5	15														
DCP 65/2650 T	4	5,5											26,5	26	25,5	24,3	22,6	20,2	18													
DCP 65/3250 T	5,5	7,5	H (m)										32,5	32	31,5	30,5	29,5	28	26	23,5												
DCP 65/3700 T	7,5	10											37	36,5	36	35	34	32,5	31	29												
DCP 80/2530 T	7,5	10															25,3	24,9	24,1	23,4	20,5	17	12,7									
DCP 80/3050 T	10	13,5															30,5	30	29,5	29	26,5	24	20,5	16								
DCP 80/3650 T	12,5	17															36,5	36	35,5	34,5	33	30	27	23	19							
DCP 80/4100 T	15	20															41	40,5	40	39,5	38	35,5	33	29	24							
DCP 100/3300 T	12,5	17																		33	32,3	31	29	27	24,5	22	19					
DCP 100/3750 T	15	20																			37,5	36,5	35	33	31	28,5	26					
DCP 100/2450 T	10	13,5																		24,5	23,5	22	20,5	18,5	16	13,5	10,5	7	3			
DCP 100/2750 T	12,5	17																		27,5	26,5	25,5	24	22	20	17,5	15	12	8,6	5		
DCP 100/2800 T	15	20																			28	27	25,5	23,5	21,5	19	16,5	13,8	10,8	7,5	3	
DCP 100/2900 T	15	20																				29	28	26	24,5	22	20	17,5	14	11,3	7,5	3,5

CP/CP-G/DCP
IN-LINE PUMPS



CE

HEATING , AIR CONDITIONING SYSTEMS, SOLAR PANEL AND HOT WATER SYSTEMS

Circulating pumps with in-line connections, suitable for civil and industrial installations for heating, air-conditioning and hot water for domestic use.
Pump body and motor support in cast iron.
PN 16 flanged suction and delivery connections with threaded holes for control pressure gauges.
Technopolymer impeller and carbon/ceramic mechanical seal. Three-phase, four-pole, asynchronous motor with external ventilation. To protect the motor it is advisable to use a thermal overload protection complying with the regulations in force.

Operating range: from 3,6 to 420 m³/h with head up to 102 metres.
Liquid temperature range: from -10°C to +140°C.
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C.
Maximum working pressure: 16 bar (1600 kPa).
Protection level: IP 55.
Insulation class: F.
PN 16 counter flanges on request.

TECHNICAL DATA - CP/CP-G *SINGLE FLANGED*

CP/CP-G - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA					CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A		
				kW	HP			
CP 40/1900 T *	60145823	3 x 230 - 400 V ~	1,1	0,75	1	4,5-2,6	390	DN 40
CP 40/2300 T*	60145824	3 x 230 - 400 V ~	1,45	1,1	1,5	5,2-3	390	DN 40
CP 40/2700 T *	60145928	3 x 230 - 400 V ~	1,89	1,5	2	6,4-3,7	390	DN 40
CP 40/3500 T *	60146008	3 x 230 - 400 V ~	2,53	2,21	3	9-5,2	390	DN 40
CP 40/3800 T *	105130300	3 x 230 - 400 V ~	3,54	3	4	11-6,4	380	DN 40
CP 40/4700 T *	105130310	3 x 230 - 400 V ~	4,87	4	5,5	15,2-8,8	380	DN 40
CP 40/5500 T *	105130320	3 x 400 V ~ [1]	6,57	5,5	7,5	11,3	425	DN 40
CP 40/6200 T *	105130330	3 x 400 V ~ [1]	9,18	7,5	10	15,8	425	DN 40
CP 50/2200 T *	60145825	3 x 230 - 400 V ~	1,42	1,1	1,5	5,-29	425	DN 50
CP 50/2600 T *	60145929	3 x 230 - 400 V ~	1,89	1,5	2	6,2-3,6	425	DN 50
CP 50/3100 T *	60146009	3 x 230 - 400 V ~	2,51	2,2	3	9-5,2	400	DN 50
CP 50/4100 T*	60146076	3 x 230 - 400 V ~	3,8	4	5,5	7,4	400	DN 50
CP 50/4600 T*	105130340	3 x 400 V ~ [1]	6,57	5,5	7,5	11,3	360	DN 50
CP 50/5100 T*	105130350	3 x 400 V ~ [1]	9,18	7,5	10	15,8	360	DN 50
CP 50/5650 T*	105130360	3 x 400 V ~ [1]	9,18	7,5	10	15,8	360	DN 50
CP-G 65-1470/A/BAQE/1,5*	1D4111G5A	3 x 230 - 400 V ~	2	1,5	2	6,17-3,56	360	DN 65
CP-G 65-1900/A/BAQE/2,2*	1D4111G6A	3 x 230 - 400 V ~	2,6	2,2	3	7,42-4,29	360	DN 65
CP-G 65-2280/A/BAQE/3*	1D4111G7B	3 x 400 V ~ [1]	3,7	3	4	6,48	360	DN 65
CP-G 65-2640/A/BAQE/4*	1D4111G8B	3 x 400 V ~ [1]	4,9	4	5,5	8,58	360	DN 65
CP-G 65-3400/A/BAQE/5,5*	1D4211G9B	3 x 400 V ~ [1]	6,4	5,5	7,5	10,6	360	DN 65
CP-G 65-4100/A/BAQE/7,5*	1D4211GAB	3 x 400 V ~ [1]	8,7	7,5	10	14,75	360	DN 65
CP-G 65-4700/A/BAQE/11*	1D4311GBB	3 x 400 V ~ [1]	12	11	15	21/12,2	475	DN 65
CP-G 65-5500/A/BAQE/15*	1D4311GCB	3 x 400 V ~ [1]	17	15	20	28,73	475	DN 65
CP-G 65-6150/A/BAQE/18,5*	1D4311GDB	3 x 400 V ~ [1]	21	18,5	25	34,62	475	DN 65
CP-G 65-6750/A/BAQE/22*	1D4311GEB	3 x 400 V ~ [1]	24	22	30	39,3	475	DN 65
CP-G 65-7350/A/BAQE/22*	1D4411GEB	3 x 400 V ~ [1]	24,5	22	30	40,22	475	DN 65

*** NEW IE2 MOTOR**

[1] Star (Y) starting is possible

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - CP/CP-G *SINGLE FLANGED*

CP/CP-G - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA					CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A		
CP-G 65-9250/A/BAQE/30*	1D4411GFB	3 x 400 V ~ [1]	33	30	40	54,1	475	DN 65
CP-G 80-1400/A/BAQE/2,2*	1D5111G6A	3 x 230 - 400 V ~	2,5	2,2	3	7,7-4,45	360	DN 80
CP-G 80-1700/A/BAQE/3*	1D5111G7B	3 x 400 V ~ [1]	3,7	3	4	6,8	360	DN 80
CP-G 80-2050/A/BAQE/4*	1D5111G8B	3 x 400 V ~ [1]	5,3	4	5,5	75,8	360	DN 80
CP-G 80-2400/A/BAQE/5,5*	1D5111G9B	3 x 400 V ~ [1]	6,4	5,5	7,5	10,78	360	DN 80
CP-G 80-2770/A/BAQE/7,5*	1D5211GAB	3 x 400 V ~ [1]	8,7	7,5	10	13,95	440	DN 80
CP-G 80-3250/A/BAQE/11*	1D5211GBB	3 x 400 V ~ [1]	12	11	15	21/12,2	440	DN 80
CP-G 80-4000/A/BAQE/15*	1D5211GCB	3 x 400 V ~ [1]	17	15	20	28,73	440	DN 80
CP-G 80-5150/A/BAQE/18,5*	1D5311GDB	3 x 400 V ~ [1]	21	18,5	25	34,62	500	DN 80
CP-G 80-5650/A/BAQE/22*	1D5311GEB	3 x 400 V ~ [1]	24	22	30	39,3	500	DN 80
CP-G 80-6850/A/BAQE/30*	1D5311GFB	3 x 400 V ~ [1]	33	30	40	54,1	500	DN 80
CP-G 80-8600/A/BAQE/37*	1D5411GGB	3 x 400 V ~ [1]	42	37	50	70	620	DN 80
CP-G-G 80-9600/A/BAQE/45*	1D5411GHB	3 x 400 V ~ [1]	49	45	60	78,2	620	DN 80
CP-G-G 80-10200/A/BAQE/55*	1D5511GKB	3 x 400 V ~ [1]	59	55	75	95,9	620	DN 80
CP-G 100-1600/A/BAQE/4*	1D6111G8B	3 x 400 V ~ [1]	4,9	4	5,5	8,58	500	DN 100
CP-G 100-1950/A/BAQE/5,5*	1D6111G9B	3 x 400 V ~ [1]	6,4	5,5	7,5	10,6	500	DN 100
CP-G 100-2350/A/BAQE/7,5*	1D6111GAB	3 x 400 V ~ [1]	8,7	7,5	10	14,75	500	DN 100
CP-G 100-2400/A/BAQE/11*	1D6211GBB	3 x 400 V ~ [1]	12	11	15	21/12,2	550	DN 100
CP-G 100-3050/A/BAQE/15*	1D6211GCB	3 x 400 V ~ [1]	17	15	20	28,73	550	DN 100
CP-G 100-3550/A/BAQE/18,5*	1D6211GDB	3 x 400 V ~ [1]	21	18,5	25	34,62	550	DN 100
CP-G 100-3850/A/BAQE/22*	1D6211GEB	3 x 400 V ~ [1]	24	22	30	39,3	550	DN 100
CP-G 100-4800/A/BAQE/30*	1D6311GFB	3 x 400 V ~ [1]	33	30	40	54,1	550	DN 100
CP-G 100-5600/A/BAQE/37*	1D6311GGB	3 x 400 V ~ [1]	42	37	50	70	550	DN 100
CP-G 100-6300/A/BAQE/45*	1D6311GHB	3 x 400 V ~ [1]	49	45	60	78,2	550	DN 100
CP-G-G 100-8300/A/BAQE/55*	1D6411GKB	3 x 400 V ~ [1]	59	55	75	95,9	670	DN 100
CP 125-4750/A/BAQE/37*	1D7311GGB	3 x 400 V ~ [1]	42	37	50	70	620	DN 125
CP-G 125-5300/A/BAQE/45*	1D7311GHB	3 x 400 V ~ [1]	49	45	60	78,2	620	DN 125
CP-G 125-5800/A/BAQE/55*	1D7311GKB	3 x 400 V ~ [1]	59	55	75	95,9	620	DN 125

*** NEW IE2 MOTOR**

1 Star (⅄) starting is possible

TECHNICAL DATA - DCP *TWIN FLANGED*

CP/CP-G - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	ELECTRICAL DATA					CENTRE DISTANCE mm	PUMP COUPLINGS
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A		
DCP 40/1250 T	105230300	3 x 230 - 400 V ~	0,83	0,55	0,75	2,8-1,6	340	DN 40
DCP 40/1650 T	105230310	3 x 230 - 400 V ~	1,05	0,75	1	3,3-1,9	340	DN 40
DCP 40/2050 T	105230320	3 x 230 - 400 V ~	1,33	1	1,35	4,2-2,4	340	DN 40
DCP 40/2450 T	105230330	3 x 230 - 400 V ~	2,07	1,5	2	6,2-3,6	340	DN 40
DCP 50/1550 T	105230340	3 x 230 - 400 V ~	2,07	1,5	2	6,2-3,6	365	DN 50
DCP 50/1900 T	105230350	3 x 230 - 400 V ~	2,53	2	2,7	7,7-4,4	365	DN 50
DCP 50/2450 T	105230360	3 x 230 - 400 V ~	3,54	3	4	11-6,4	365	DN 50
DCP 50/3000 T	105230370	3 x 230 - 400 V ~	3,54	3	4	11-6,4	365	DN 50
DCP 50/3650 T	105230380	3 x 230 - 400 V ~	4,87	4	5,5	15,2-8,8	410	DN 50
DCP 65/2300 T	105230390	3 x 230 - 400 V ~	3,54	3	4	11-6,4	410	DN 65
DCP 65/2650 T	105230400	3 x 230 - 400 V ~	4,87	4	5,5	15,2-8,8	450	DN 65
DCP 65/3250 T	105230410	3 x 400 V ~ [1]	6,57	5,5	7,5	11,3	450	DN 65
DCP 65/3700 T	105230420	3 x 400 V ~ [1]	9,18	7,5	10	15,8	450	DN 65
DCP 80/2530 T	105230430	3 x 400 V ~ [1]	9,18	7,5	10	15,8	450	DN 80
DCP 80/3050 T	105230440	3 x 400 V ~ [1]	12,46	10	13,5	22,5	510	DN 80
DCP 80/3650 T	105230450	3 x 400 V ~ [1]	15,13	12,5	17	27	510	DN 80
DCP 80/4100 T	105230460	3 x 400 V ~ [1]	17,94	15	20	32	510	DN 80
DCP 100/3300 T	105230470	3 x 400 V ~ [1]	15,13	12,5	17	27	630	DN 100
DCP 100/3750 T	105230480	3 x 400 V ~ [1]	17,94	15	20	32	630	DN 100
DCP 100/2450 T	105230490	3 x 400 V ~ [1]	12,46	10	13,5	22,5	630	DN 100
DCP 100/2750 T	105230500	3 x 400 V ~ [1]	15,13	12,5	17	27	630	DN 100
DCP 100/2800 T	105230510	3 x 400 V ~ [1]	17,94	15	20	32	630	DN 100
DCP 100/2900 T	105230520	3 x 400 V ~ [1]	17,94	15	20	32	630	DN 100

*** NEW IE2 MOTOR**

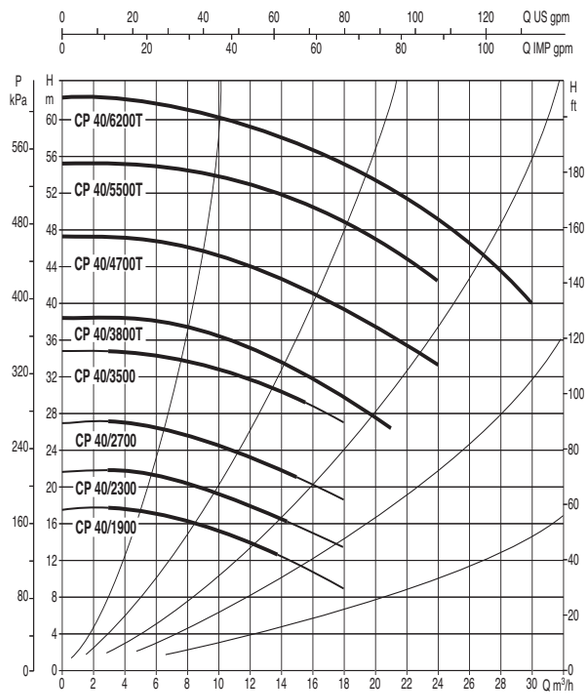
1 Star (⅄) starting is possible

DAB PUMPS reserves the right to make modifications without notice

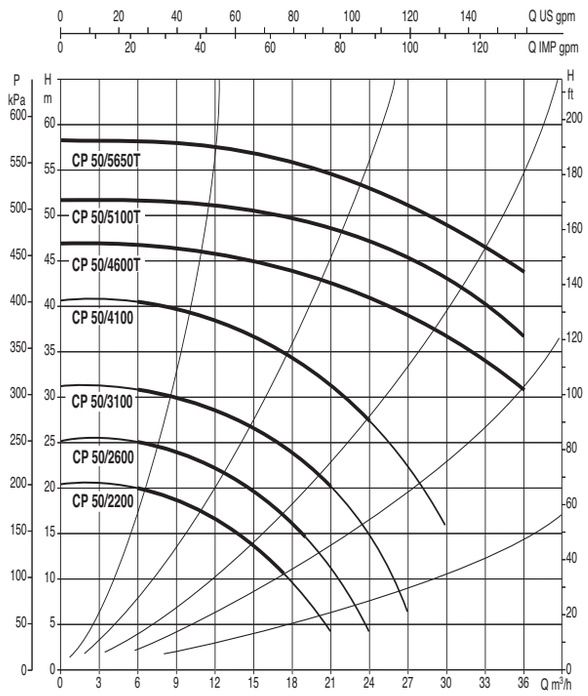
CP/CP-G/DCP
IN-LINE PUMPS

2 POLES

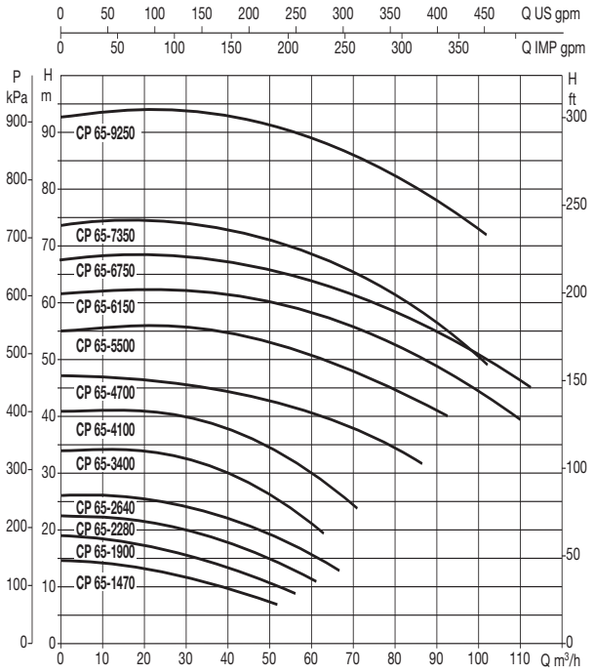
CP 40



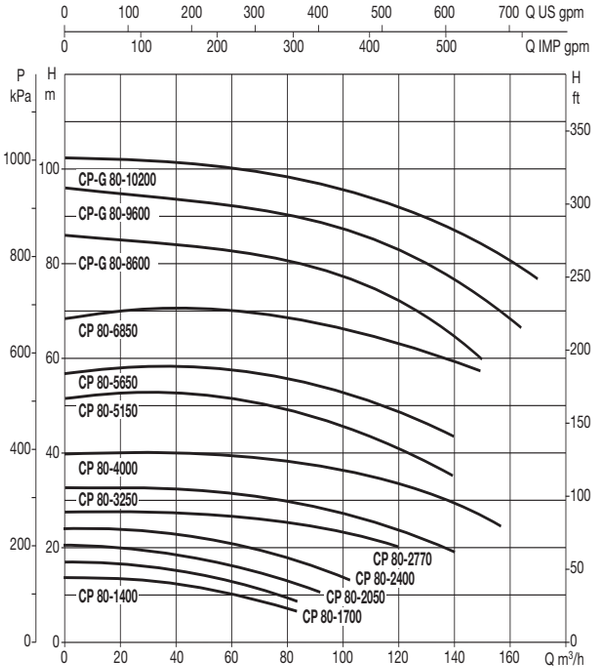
CP 50



CP-G 65

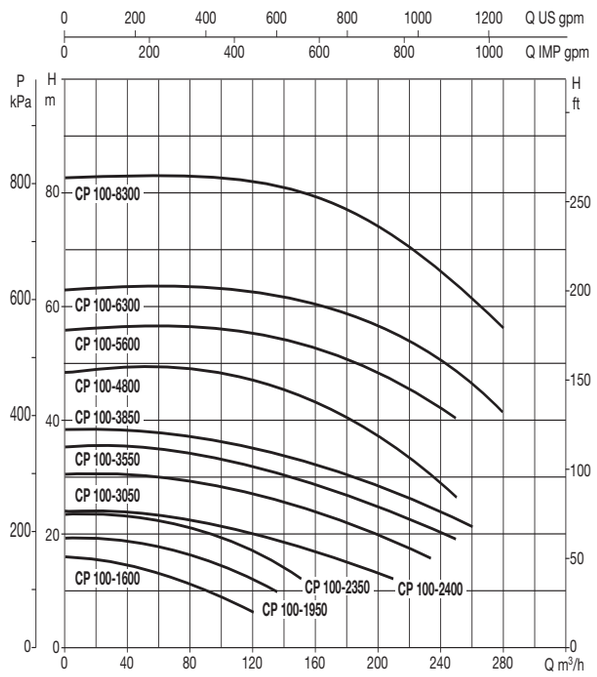


CP-G 80

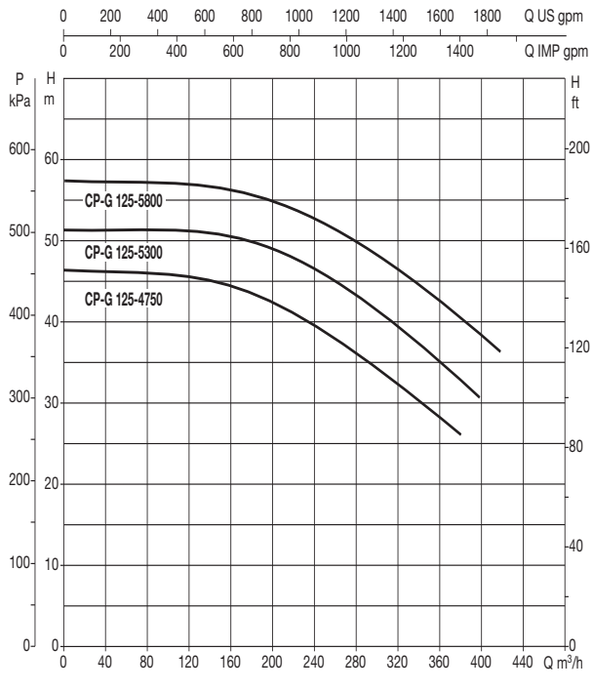


2 POLES

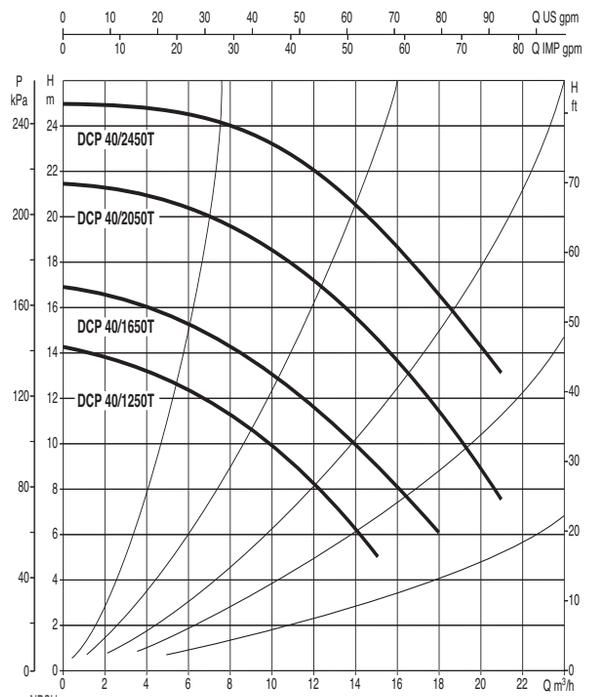
CP-G 100



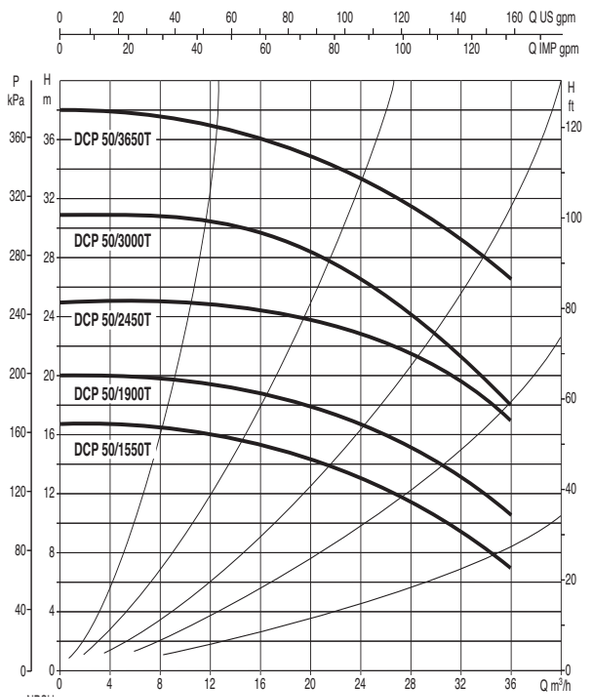
CP-G 125



DCP 40



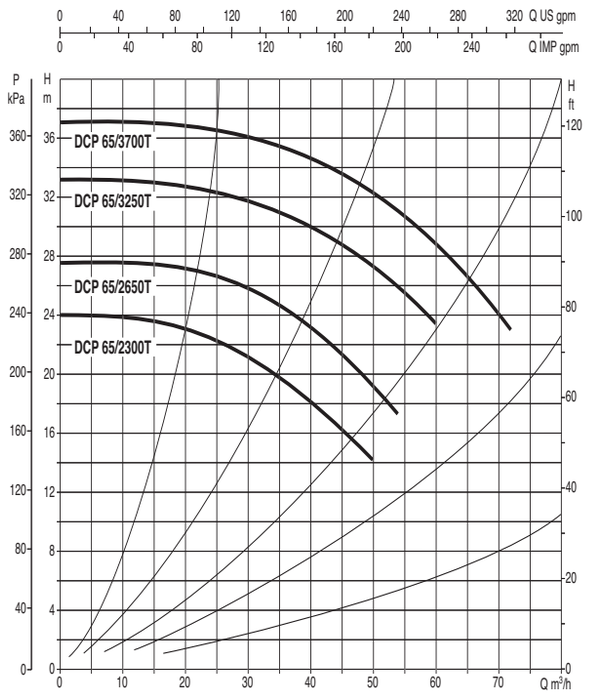
DCP 50



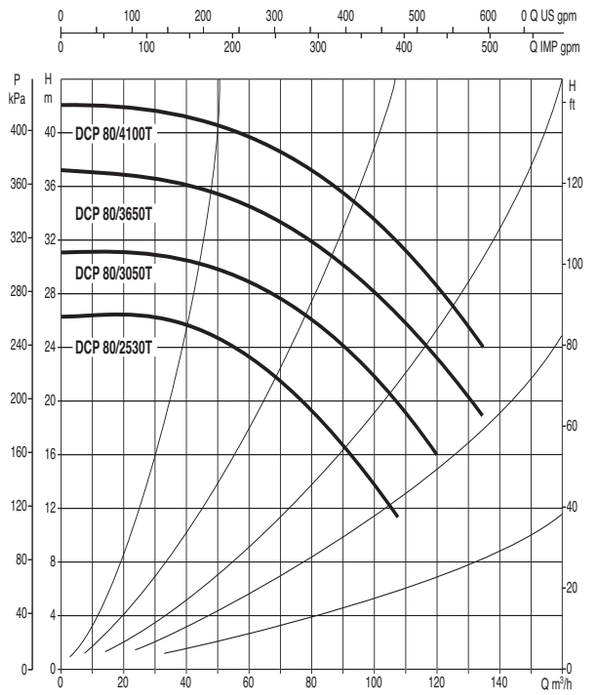
CP/CP-G/DCP
IN-LINE PUMPS

2 POLES

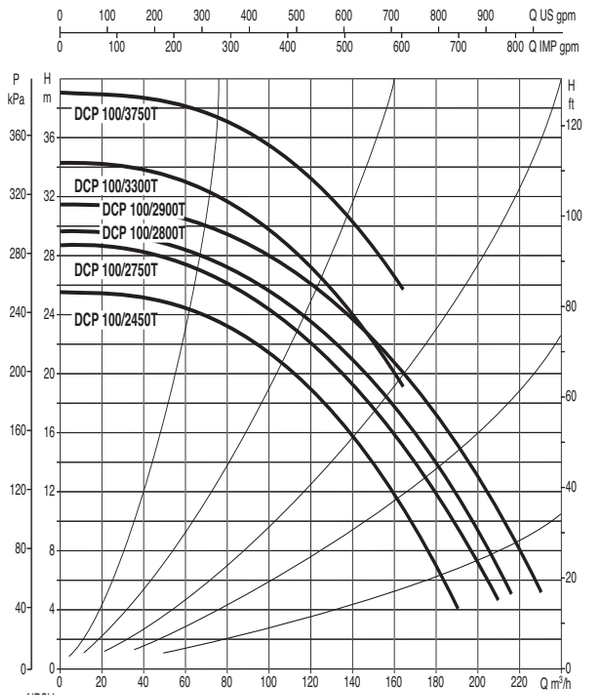
DCP 65



DCP 80

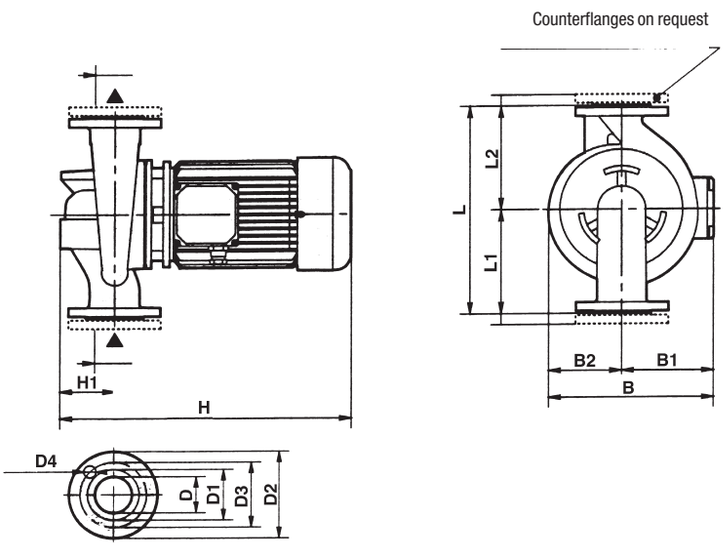


DCP 100



DIMENSIONS AND WEIGHTS

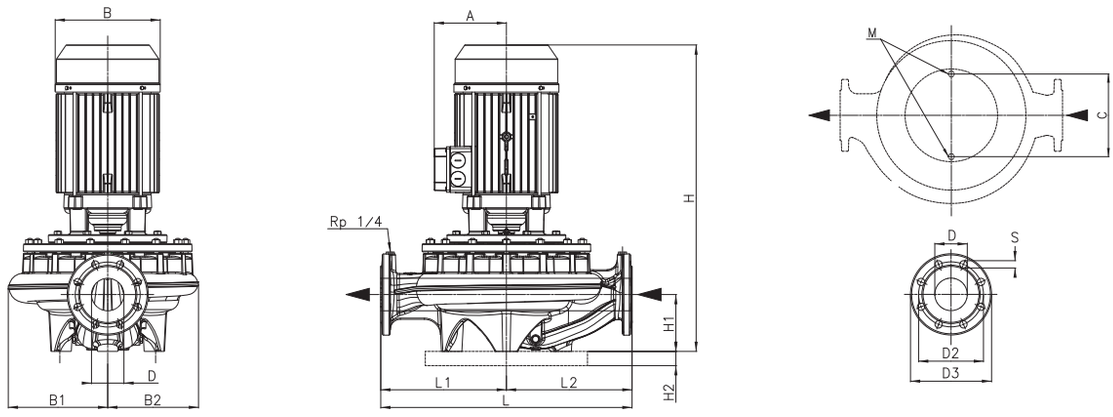
CP



MODEL	DIMENSIONS													PACKAGING DIMENSIONS		
	L	L1	L2	B	B1	B2	H	H1	D	D1	D2	D3	D4 n° Holes	L/A	L/B	H
CP 40/1900 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110	4 Ø 14	680	330	580
CP 40/2300 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110		680	330	580
CP 40/2700 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110		680	330	580
CP 40/3500 T	390	200	190	231	118	113	453	95	40 PN 16	88	150	110		680	330	580
CP 40/3800 T	320	170	150	257	149	108	485	100	40 PN 6	88	150	110		450	270	465
CP 40/4700 T	380	200	180	286	159	127	535	100	40 PN 6	88	150	110		450	270	465
CP 40/5500 T	380	200	180	286	159	127	535	100	40 PN 6	88	150	110		450	270	465
CP 40/6200 T	380	200	180	286	159	127	535	100	40 PN 6	88	150	110		450	270	465
CP 50/2200 T	425	225	200	233	120	113	463	105	50 PN 16	102	165	125	4 Ø 18	680	330	580
CP 50/2600 T	425	225	200	233	120	113	463	105	50 PN 16	102	165	125		680	330	580
CP 50/3100 T	425	225	200	233	120	113	537	105	50 PN 16	102	165	125		680	330	580
CP 50/4100 T	425	225	200	233	120	113	537	105	50 PN 16	102	165	125		680	330	580
CP 50/4600 T	400	220	180	290	159	131	545	110	50 PN 10	102	165	125		520	320	535
CP 50/5100 T	400	220	180	290	159	131	545	110	50 PN 10	102	165	125		520	320	535
CP 50/5650 T	400	220	180	290	159	131	545	110	50 PN 10	102	165	125		520	320	535

CP/CP-G/DCP
IN-LINE PUMPS

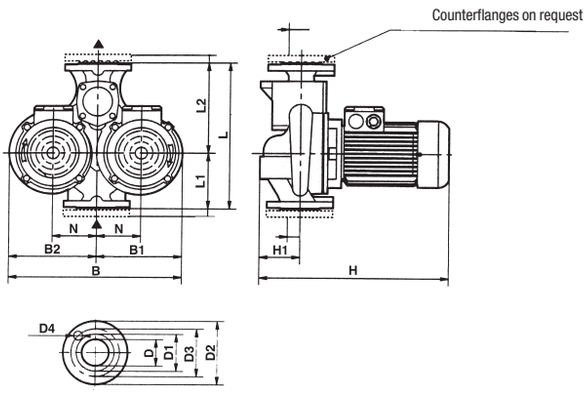
CP-G



MODEL	DIMENSIONS																	PACKAGING DIMENSIONS		
	A	B	B1	B2	C	D	D2	D3	S	n° Holes	H	H1	H2	L	L1	L2	M	L/A	L/B	H
CP-G 65-1470/A/BAQE/1,5	127	160	144	126	144	65	145	185	18		492	105	35	360	180	180	M16	670	390	710
CP-G 65-1900/A/BAQE/2,2	127	160	144	126	144	65	145	185	18		492	105	35	360	180	180	M16	670	390	710
CP-G 65-2280/A/BAQE/3	129	176	144	126	144	65	145	185	18		516	105	35	360	180	180	M16	670	390	710
CP-G 65-2640/A/BAQE/4	144	193	144	126	144	65	145	185	18		562	105	35	360	180	180	M16	670	390	710
CP-G 65-3400/A/BAQE/5,5	150	220	144	126	144	65	145	185	18		582	105	35	360	180	180	M16	670	390	710
CP-G 65-4100/A/BAQE/7,5	178	259	144	126	144	65	145	185	18		664	105	35	360	180	180	M16	780	460	860
CP-G 65-4700/A/BAQE/11	178	259	180	164	144	65	145	185	18	4	677	125	35	475	237,5	237,5	M16	780	460	860
CP-G 65-5500/A/BAQE/15	178	259	180	164	144	65	145	185	18		677	125	35	475	237,5	237,5	M16	780	460	860
CP-G 65-6150/A/BAQE/18,5	223	309	180	164	144	65	145	185	18		830	125	35	475	237,5	237,5	M16	900	550	1060
CP-G 65-6750/A/BAQE/22	223	309	180	164	144	65	145	185	18		830	125	35	475	237,5	237,5	M16	900	550	1060
CP-G 65-7350/A/BAQE/22	223	309	180	164	144	65	145	185	18		830	125	35	475	237,5	237,5	M16	900	550	1060
CP-G 65-9250/A/BAQE/30	223	309	180	164	144	65	145	185	18		830	125	35	475	237,5	237,5	M16	900	550	1060
CP-G 80-1400/A/BAQE/2,2	127	160	135	117	144	80	160	200	18		495	105	35	360	180	180	M16	520	290	700
CP-G 80-1700/A/BAQE/3	129	176	135	117	144	80	160	200	18		519	105	35	360	180	180	M16	520	290	700
CP-G 80-2050/A/BAQE/4	144	193	135	117	144	80	160	200	18		565	105	35	360	180	180	M16	520	290	700
CP-G 80-2400/A/BAQE/5,5	150	220	135	117	144	80	160	200	18		585	105	35	360	180	180	M16	520	290	700
CP-G 80-2770/A/BAQE/7,5	178	259	178	146	144	80	160	200	18		678	115	35	440	220	220	M16	780	460	860
CP-G 80-3250/A/BAQE/11	178	259	178	146	144	80	160	200	18		678	115	35	440	220	220	M16	780	460	860
CP-G 80-4000/A/BAQE/15	178	259	178	146	144	80	160	200	18		678	115	35	440	220	220	M16	780	460	860
CP-G 80-5150/A/BAQE/18,5	223	309	190	164	144	80	160	200	18		830	115	35	500	250	250	M16	900	550	1060
CP-G 80-5650/A/BAQE/22	223	309	190	164	144	80	160	200	18		830	115	35	500	250	250	M16	900	550	1060
CP-G 80-6850/A/BAQE/30	223	309	190	164	144	80	160	200	18		830	115	35	500	250	250	M16	900	550	1060
CP-G 80-8600/A/BAQE/37	341	400	245	224	230	80	160	200	18		1142	140	35	620	310	310	M16	900	550	1200
CP-G 80-9600/A/BAQE/45	360	463	245	224	230	80	160	200	18		1190	140	35	620	310	310	M16	900	550	1200
CP-G 80-10200/A/BAQE/55	390	516	245	224	230	80	160	200	18		1305	140	35	620	310	310	M16	900	550	1400
CP-G 100-1600/A/BAQE/4	144	193	158	126	144	100	180	220	18	8	602	140	35	500	250	250	M16	780	460	860
CP-G 100-1950/A/BAQE/5,5	150	220	158	126	144	100	180	220	18		622	140	35	500	250	250	M16	780	460	860
CP-G 100-2350/A/BAQE/7,5	178	259	158	126	144	100	180	220	18		704	140	35	500	250	250	M16	780	460	860
CP-G 100-2400/A/BAQE/11	178	259	193	153	230	100	180	220	18		670	140	35	550	275	275	M16	780	460	860
CP-G 100-3050/A/BAQE/15	178	259	193	153	230	100	180	220	18		670	140	35	550	275	275	M16	780	460	860
CP-G 100-3550/A/BAQE/18,5	223	309	193	153	230	100	180	220	18		852	140	35	550	275	275	M16	900	550	1060
CP-G 100-3850/A/BAQE/22	223	309	193	153	230	100	180	220	18		852	140	35	550	275	275	M16	900	550	1060
CP-G 100-4800/A/BAQE/30	223	309	204	174	230	100	180	220	18		900	140	35	550	275	275	M16	900	550	1060
CP-G 100-5600/A/BAQE/37	341	400	204	174	230	100	180	220	18		1182	140	35	550	275	275	M16	900	550	1200
CP-G 100-6300/A/BAQE/45	360	463	204	174	230	100	180	220	18		1195	140	35	550	275	275	M16	900	550	1200
CP-G 100-8300/A/BAQE/55	390	516	293	252	230	100	180	220	18		1345	175	35	670	335	335	M16	900	550	1400
CP-G 125-4750/A/BAQE/37	341	400	252	205	230	100	210	250	18		1126	215	35	620	310	310	M16	900	550	1200
CP-G 125-5300/A/BAQE/45	360	463	252	205	230	125	210	250	18		1275	215	35	620	310	310	M16	900	550	1400
CP-G 125-5800/A/BAQE/55	390	516	252	205	230	125	210	250	18		1389	215	35	620	310	310	M16	900	550	1400

CP/CP-G/DCP
IN-LINE PUMPS

DCP



MODEL	L	L1	L2	B	B1	B2	H	H1	N	D	D1	D2	D3	D4	PACKAGING DIMENSIONS			WEIGHT KG
															L/A	L/B	H	
DCP 40/1250 T	340	130	210	397	200	197	425	100	100	40 PN6	88	150	110	4 Holes Ø 18	520	320	535	50
DCP 40/1650 T	340	130	210	397	200	197	425	100	100	40 PN6	88	150	110		520	320	535	50
DCP 40/2050 T	340	130	210	397	200	197	445	100	100	40 PN6	88	150	110		520	320	535	52
DCP 40/2450 T	340	130	210	397	200	197	445	100	100	40 PN6	88	150	110		520	320	535	54
DCP 50/1550 T	365	145	220	427	217	210	455	110	105	50 PN10	102	165	125	4 Holes Ø 18	520	320	535	56
DCP 50/1900 T	365	145	220	427	217	210	455	110	105	50 PN10	102	165	125		520	320	535	58
DCP 50/2450 T	365	145	220	427	217	210	455	110	105	50 PN10	102	165	125		520	320	535	66
DCP 50/3000 T	365	145	220	480	217	210	495	110	105	50 PN10	102	165	125		580	360	585	56
DCP 50/3650 T	410	170	240	480	245	235	535	110	120	50 PN10	102	165	125		580	360	585	86
DCP 65/2300 T	410	170	240	543	245	235	485	110	120	65 PN10	122	185	145	4Holes Ø 18	580	360	585	67
DCP 65/2650 T	450	180	270	543	275	268	495	130	140	65 PN10	122	185	145		–	–	–	81
DCP 65/3250 T	450	180	270	543	275	268	565	130	140	65 PN10	122	185	145		–	–	–	101
DCP 65/3700 T	450	180	270	543	275	268	670	130	140	65 PN10	122	185	145		–	–	–	125
DCP 80/2530 T	450	180	270	550	275	268	565	130	135	80 PN10	138	200	160	8 Holes Ø 18	–	–	–	110
DCP 80/3050 T	510	205	305	550	280	270	690	150	135	80 PN10	138	200	160		–	–	–	141
DCP 80/3650 T	510	205	305	550	280	270	690	150	140	80 PN10	138	200	160		–	–	–	162
DCP 80/4100 T	510	205	305	670	280	270	690	150	135	80 PN10	138	200	160		–	–	–	175
DCP 100/3300 T	630	240	390	670	325	345	720	180	165	100 PN10	158	220	180	8 Holes Ø 18	–	–	–	162
DCP 100/3750 T	630	240	390	670	325	345	720	180	165	100 PN10	158	220	180		–	–	–	162
DCP 100/2450 T	630	240	390	670	325	345	720	180	165	100 PN10	158	220	180		–	–	–	162
DCP 100/2750 T	630	240	390	670	325	345	720	180	165	100 PN10	158	220	180		–	–	–	162
DCP 100/2800 T	630	240	390	670	325	345	720	180	165	100 PN10	158	220	180		–	–	–	162
DCP 100/2900 T	630	240	390	670	325	345	720	180	165	100 PN10	158	220	180		–	–	–	162

DAB PUMPS reserves the right to make modifications without notice

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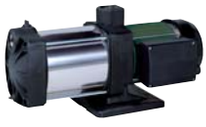
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MULTISTAGE CENTRIFUGAL AND SELF-PRIMING PUMPS

PERFORMANCE RANGE

JET - JETINOX - JETCOM - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL		Q (m³/h)	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2	9	9,6	10,5
	kW	HP	(l/min)	0	10	20	30	40	50	60	70	80	100	120	150	160	175
JET 62 M	0,44	0,6		42	35	29,2	25,6	22,9	21,1								
JET 82 M - T	0,6	0,8		47	40	34	30	26,2	23,5	20,3							
JET 102 M - T	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8							
JET 112 M - T	1	1,36		61	54	47,8	42,8	38,8	34,8	20							
JET 92 M	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17					
JET 132 M - T	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2					
JETINOX 82 M - T	0,6	0,8		47	40	34	30	26,2	23,5	20,3							
JETINOX 102 M - T	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8							
JETINOX 112 M - T	1	1,36		61	54	47,8	42,8	38,8	34,8	20							
JETINOX 92 M	0,75	1	H	36,2	33,5	31	28,4	26	24	21,8	19,6	17,5					
JETINOX 132 M - T	1	1,36	(m)	48,3	45,6	42,8	40	37,6	35	32,5	30	27,2					
JETCOM 62 M	0,44	0,6		42	35	29,2	25,6	22,9	13								
JETCOM 82 M	0,6	0,8		47	40	34	30	26,2	23,5	20							
JETCOM 102 M - T	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8							
JETCOM 92 M	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5					
JETCOM 132 M - T	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2					
JET 151 M - T	1,1	1,5		61	58,2	56	53	50	46	43	36						
JET 251 M - T	1,85	2,5		62	60	58	56	54	51	48,5	46	43,5	39	34,2			
JET 200 M - T	1,5	2		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3
JET 300 M - T	2,7	2,2		51			48	47	46	44,5	43	42	40	37	33	32	29

DP - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL		EJECTOR TYPE	SUCTION DEPTH	HYDRAULIC DATA (n ~ 2800 1/min.) Delivery pressure in bar											
					1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7
	kW	HP			Capacity table in l/h											
DP 82 M - T	0,6	0,8	E 25	9	1813	1080	446	33	–	–	–	–	–	–	–	–
				12	1426	225	–	–	–	–	–	–	–	–	–	–
				15	900	326	–	–	–	–	–	–	–	–	–	–
			E 30	9	1753	1286	812	524	261	12	–	–	–	–	–	–
				12	1345	965	608	329	162	0	–	–	–	–	–	–
				15	1166	761	452	228	45	–	–	–	–	–	–	–
DP 102 M - T	0,75	1	E 25	9	2386	1756	1097	515	126	–	–	–	–	–	–	–
				12	1930	1190	536	87	–	–	–	–	–	–	–	–
				15	1459	773	252	–	–	–	–	–	–	–	–	–
			E 30	12	–	1240	872	566	329	156	–	–	–	–	–	–
				15	–	1028	701	449	255	96	–	–	–	–	–	–
				18	–	785	527	302	150	15	–	–	–	–	–	–
				21	–	635	374	180	39	–	–	–	–	–	–	–
DP 151 M - T	1,1	1,5	E 20	9	–	–	–	3470	2890	2220	1500	750	–	–	–	–
				12	–	–	–	3110	2510	1850	1100	300	–	–	–	–
				15	–	–	–	2710	2100	1380	640	–	–	–	–	–
				18	–	–	–	2360	1700	950	–	–	–	–	–	–
			E 25	15	–	–	–	2800	2330	1830	1350	900	520	–	–	–
				18	–	–	–	2530	2050	1550	1090	680	300	–	–	–
				21	–	–	–	2280	1800	1300	860	470	–	–	–	–
			E 30	21	–	–	–	1820	1650	1410	1160	910	700	520	–	–
				24	–	–	–	1680	1520	1260	1020	780	580	420	–	–
				27	–	–	–	1550	1360	1110	880	680	490	330	–	–
DP 251 M - T	1,85	2,5	E 20	9	–	–	–	4300	3600	2900	2180	1400	640	–	–	–
				12	–	–	–	3750	3140	2540	1700	940	–	–	–	–
				15	–	–	–	–	2780	2040	1300	500	–	–	–	–
				18	–	–	–	–	2340	1610	820	–	–	–	–	–
			E 25	15	–	–	–	–	2920	2400	1900	1400	950	570	–	–
				18	–	–	–	–	2600	2110	1620	1150	720	360	–	–
				21	–	–	–	–	2350	1850	1350	900	510	–	–	–
				24	–	–	–	–	2050	1550	1080	660	300	–	–	–
			E 30	21	–	–	–	–	–	1710	1480	1220	980	770	590	420
				24	–	–	–	–	–	1580	1330	1080	850	670	490	330
				27	–	–	–	–	–	1440	1200	950	750	560	400	250

GARDENJET - GARDEN INOX - GARDEN COM - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q m³/h l/min	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3,0 50	3,6 60	4,2 70	4,8 80
GARDENJET 82	0,6	0,8		47	40	34	30	26,2	23,5	20,3		
GARDENJET 102	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8		
GARDENJET 92	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5
GARDENJET 132	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2
GARDEN-INOX 82	0,6	0,8		47	40	34	30	26,2	23,5	20,3		
GARDEN-INOX 102	0,75	1	H (m)	53,8	47	41	36,3	32,4	28,8	25,8		
GARDEN-INOX 92	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5
GARDEN-INOX 132	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2
GARDEN-COM 62	0,44	0,6		42,7	35	29,2	25,6	22,9	13			
GARDEN-COM 82	0,6	0,8		47	40	34	30	26,2	23,5	20,3		
GARDEN-COM 102	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8		

EURO - EUROINOX - EUROCOM - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h) (l/min)	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3,0 50	3,6 60	4,2 70	4,8 80	6 100	7,2 120	9 150	9,6 160	10,5 175
EURO 25/30 M	0,37	0,5		34,4	31,7	28,3	23,5	17,5	11								
EURO 30/30 M	0,54	0,74		46	42,2	37,8	31,2	23,3	14,3								
EURO 40/30 M	0,55	0,75		57	52,7	47	38,8	29	17,7								
EURO 30/50 M - T	0,55	0,75		42,5	40,2	38,2	36,2	33,8	30	24,8	19,5	14					
EURO 40/50 M - T	0,75	1		57,5	55,3	52,8	50,1	47,1	42,7	35,8	28	19					
EURO 50/50 M - T	1	1,36		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26					
EURO 25/80 M	0,55	0,75		34		33	32	30,5	28,5	26	23,5	21	14,5	6,5			
EURO 30/80 M - T	0,8	1,1		47		46,5	45	43,5	41	38	34,5	31	23	12			
EURO 40/80 M - T	1	1,36		59		57	56	54	51	47	43,5	39	29,5	16,5			
EUROINOX 25/30 M - T	0,37	0,5		34	31,7	28,3	23,5	17,5	11								
EUROINOX 30/30 M - T	0,45	0,6		46	42,2	37,8	31,2	23,3	14,3								
EUROINOX 40/30 M - T	0,55	0,75		57	52,7	47	38,8	29	17,7								
EUROINOX 30/50 M - T	0,55	0,75	H (m)	42	40,2	38,2	36,2	33,8	30	24,8	19,5	14					
EUROINOX 40/50 M - T	0,75	1		58	55,3	52,8	50,1	47,1	42,7	35,8	28	19					
EUROINOX 50/50 M - T	1	1,36		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26					
EUROINOX 25/80 M - T	0,55	0,75		34		33	32	30,5	28,5	26	23,5	21	14,5	6,5			
EUROINOX 30/80 M - T	0,8	1,1		47		46,5	45	43,5	41	38	34,5	31	23	12			
EUROINOX 40/80 M - T	1	1,36		59		57	56	54	51	47	43,5	39	29,5	16,5			
EUROCOM 25/30 M	0,37	0,5		34,4	31,7	28,3	23,5	17,5	11								
EUROCOM 30/30 M	0,45	0,6		46	42,2	37,8	31,2	23,3	14,3								
EUROCOM 30/50 M	0,55	0,75		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14					
EUROCOM 40/50 M - T	0,75	1		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2					
EUROCOM 25/80 M - T	0,55	0,75		34		33	32	30,5	28,5	26	23,5	21	14,5	6,5			
EUROCOM 30/80 M - T	0,8	1,1		47		46,5	45	43,5	41	38	34,5	31	23	12			

MULTI INOX - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h) (l/min)	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	3,6 60	4,2 70	4,8 80	5,4 90	6 100
MULTI INOX 3 M	0,55	0,75		33	32	30	29	27	22	19	14	10	5	
MULTI INOX 4 M	0,75	1	H (m)	46	45	43	40	38	33	28	22	16	9	
MULTI INOX 5 M	1	1,36		59	58	56	53	49	45	38	32	25	13	

MULTI 4 SW - *SALT WATER*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h) (l/min)	0 0	0,6 10	1,2 20	1,8 30	2,4 40	3 50	3,6 60	4,2 70	4,8 80	5,4 90	6 100
MULTI 4 SW M	0,75	1	H (m)	46	45	43	40	38	33	28	22	16	9	

MULTISTAGE CENTRIFUGAL AND SELF-PRIMING PUMPS
PERFORMANCE RANGE

ACQUAJET - ACQUAJET INOX - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q m³/h / l/min	0 / 0	0,6 / 10	1,2 / 20	1,8 / 30	2,4 / 40	3,0 / 50	3,6 / 60	4,2 / 70	4,8 / 80
AQUAJET 82 M	0,6	0,8	H (m)	47	40	34	30	26,2	23,5	20,3		
AQUAJET 102 M	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8		
AQUAJET 112 M	1	1,36		61	54	47,8	42,8	38,8	34,8	22		
AQUAJET 92 M	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5
AQUAJET 132 M	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2
AQUAJET-INOX 82 M	0,6	0,8		47	40	34	30	26,2	23,5	20,3		
AQUAJET-INOX 102 M	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8		
AQUAJET-INOX 112 M	1	1,36		61	54	47,8	42,8	38,8	34,8	20		
AQUAJET-INOX 92 M	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5
AQUAJET-INOX 132 M	1	1,36		4,3	45,6	42,8	40	37,6	35	32,5	30	27,2

ACTIVE SYSTEM - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q m³/h / l/min	0 / 0	0,6 / 10	1,2 / 20	1,8 / 30	2,4 / 40	3 / 50	3,6 / 60	4,2 / 70	4,8 / 80	6 / 100	7,2 / 120
ACTIVE J 62 M	0,44	0,6	H (m)	42,7	35	29,2	25,6	22,9	13					
ACTIVE J 82 M	0,6	0,8		47	40	34	30	26,2	23,5	20,3				
ACTIVE J 102 M	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8				
ACTIVE J 92 M	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5		
ACTIVE J 132 M	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2		
ACTIVE JI 82 M	0,6	0,8		47	40	34	30	26,2	23,5	20,3				
ACTIVE JI 102 M	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8				
ACTIVE JI 92 M	0,75	1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5		
ACTIVE JI 132 M	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2		
ACTIVE JC 82 M	0,6	0,8		47	40	34	30	26,2	23,5	20,3				
ACTIVE JC 102 M	0,75	1		53,8	47	41	36,3	32,4	28,8	25,8				
ACTIVE JC 132 M	1	1,36		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2		
ACTIVE E 25/30 M	0,37	0,5		34,4	31,7	28,3	23,5	17,5	11					
ACTIVE E 30/30 M	0,45	0,6		46	42,2	37,8	31,2	23,3	14,3					
ACTIVE E 40/30 M	0,55	0,75		57	52,7	47	38,8	29	17,7					
ACTIVE E 30/50 M	0,55	0,75		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14		
ACTIVE E 40/50 M	0,8	1,1		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2		
ACTIVE EI 25/30 M	0,37	0,5		34,4	31,7	28,3	23,5	17,5	11					
ACTIVE EI 30/30 M	0,45	0,6		46	42,2	37,8	31,2	23,3	14,3					
ACTIVE EI 40/30 M	0,55	0,75		57	52,7	47	38,8	29	17,7					
ACTIVE EI 30/50 M	0,55	0,75		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14		
ACTIVE EI 40/50 M	0,8	1,1		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2		
ACTIVE EI 25/80 M	0,55	0,75		34		33	32	30,5	28,5	26	23,5	21	14,5	6,5
ACTIVE EI 30/80 M	0,8	1,31		47		46,5	45	43,5	41	38	34,5	31	23	12
ACTIVE EC 30/30 M	0,45	0,6		46	42,2	37,8	31,2	23,3	14,3					
ACTIVE EC 40/50 M	0,8	1,1		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2		
ACTIVE EC 30/80 M	0,8	1,1		47		46,5	45	43,5	41	38	34,5	31	23	12

MULTISTAGE CENTRIFUGAL AND SELF-PRIMING PUMPS

PERFORMANCE RANGE

BOOSTER SILENT - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q (m^3/h)	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6
			(l/min)	0	10	20	30	40	50	60	70	80	90	100
BOOSTER SILENT 3 M	0,55	0,75	H (m)	37	34	32	31	27	23	19	15	8		
BOOSTER SILENT 4 M	0,75	1		47	43	40	35	31	27	22	17	9		
BOOSTER SILENT 5 M	1	1,36		57	52	48	43	38	31	25	18	10		

ACTIVE SWITCH - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q m^3/h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8
			l/min	0	10	20	30	40	50	60	70	80
ACTIVE SWITCH 30/50	0,55	0,75	H (m)	42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14

AQUAPROF - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	m^3/h	0	0,6	1,2	1,8	2,4	3,0	3,3	3,6	4,2	4,8
			l/min	0	10	20	30	40	50	55	60	70	80
AQUAPROF BASIC 30/50	0,55	0,75	H (m)	42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14
AQUAPROF BASIC 40/50	0,75	1		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2
AQUAPROF TOP 30/50	0,55	0,75		42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14
AQUAPROF TOP 40/50	0,75	1		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2

EUROSWIM - *PUMPS FOR SWIMMING POOL*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q (m^3/h)	0	3	6	9	12	18	21	24	30	36	42
			(l/min)	0	50	100	150	200	300	350	400	500	600	700
EUROSWIM 50 M	0,33	0,5	H (m)	12,0	11,7	11,2	10,5	9,3	5,3					
EUROSWIM 75 M	0,5	0,75		13,8	13,5	13,1	12,4	11,1	7,5	5				
EUROSWIM 75 T	0,5	0,75		13,8	13,5	13,1	12,4	11,1	7,5	5				
EUROSWIM 100 M	0,75	1		15,4	15,4	15	14,2	13,1	10,0	7,8	5,6			
EUROSWIM 100 T	0,75	1		15,4	15,4	15	14,2	13,1	10,0	7,8	5,6			
EUROSWIM 150 M	1,1	1,5		16,2	15,9	15,4	14,9	14,2	12,4	11,1	9,3	5,3		
EUROSWIM 150 T	1,1	1,5		16,2	15,6	15,2	14,6	13,9	12,4	11,1	9,3	5,3		
EUROSWIM 200 M	1,5	2		18,6	18,2	17,7	17,1	16,5	15,0	14,1	12,8	9,0	4	
EUROSWIM 200 T	1,5	2		18,6	18,2	17,7	17,1	16,5	15,0	14,1	12,8	9,0	4	
EUROSWIM 300 M	2,2	3		22,0	21,9	21,7	21,3	20,8	19,6	18,9	18,1	15,9	12,5	8,6
EUROSWIM 300 T	2,2	3		22,0	21,9	21,7	21,3	20,8	19,6	18,9	18,1	15,9	12,5	8,6

EUROCOVER - *PUMPS FOR SWIMMING POOL*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q m^3/h	0	1,2	2,4	3,6	4,8	6
EUROCOVER	0,22	0,3	H (m)	6,5	5,1	4	3	1,9	0,5

JETCOM SP - EUROCOM SP - *PUMPS FOR SWIMMING POOL*

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	Q m^3/h	0	0,6	1,2	1,8	2,4	3	3,3	3,6	4,2	4,8
			l/min	0	10	20	30	40	50	55	60	75	80
JETCOM SP 102 M	0,75	1	H (m)	53,8	47	41	36,3	32,4	28,8		25,8		
JETCOM SP 102 T	0,75	1											
EUROCOM SP 30/50 M	0,55	0,75		42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14
EUROCOM SP 30/50 T	0,55	0,75											
EUROCOM SP 40/50 M	0,75	1		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2
EUROCOM SP 40/50 T	0,75	1											

DAB PUMPS reserves the right to make modifications without notice

JET - JETINOX - JETCOM

SELF-PRIMING CENTRIFUGAL PUMPS

ENERGY EFFICIENCY IE2



JET



JETINOX



JETCOM

CE

DOMESTIC WATER SUPPLY

Self-priming centrifugal pump with excellent suction capacity even when there are air bubbles. Particularly suitable for water supply in domestic installations, small-scale agriculture, gardening and wherever self- priming operation is necessary.
Jet: cast iron pump body.
Jetinox: stainless steel pump body.
Jetcom: technopolymer pump body.
Motor support in cast iron, technopolymer impeller, diffuser, Venturi tube and sand guard. Stainless steel adjustment rings.
Carbon/ceramic mechanical seal. Asynchronous motor closed and cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range: two-poles from 0.4 to 10.5 m^3/h with head up to 62 metres
Liquid temperature range:
from 0°c to +35°C for domestic use
from 0°C to +40°C for other use
Pumped liquid characteristics: clean , free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C
Maximum working pressure:
6 bar (600 kPa) for Jet and Jetcom
8 bar (800 kPa) for Jetinox
Protection level: IP 44 (IP 55 terminal board protection).
Insulation class: F

TECHNICAL DATA - JET

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JET 62 M	**102660000**	1X220-240 V~	0,72	0,44	0,6	3,12	12,5	450
JET 82 M	**102660020**	1X220-240 V~	0,85	0,6	0,8	3,8	12,5	450
JET 82 T	**102660030**	3X230-400 V~	0,86	0,6	0,8	2,8-1,6	-	-
JET 102 M	**102660040**	1X220-240 V~	1,13	0,75	1	5,1	16	450
JET 102 T*	**60145173**	3X230-400 V~	1,04	0,75	1	3,3-1,9	-	-
JET 112 M	**102660060**	1X220-240 V~	1,4	1	1,36	6,2	25	450
JET 112 T*	**60145276**	3X230-400 V~	1,35	1	1,36	4,3-2,5	-	-
JET 92 M	**102660080**	1X220-240 V~	0,94	0,75	1	4,2	14	450
JET 132 M	**102660100**	1X220-240 V~	1,49	1	1,36	6,6	25	450
JET 132 T*	**60145277**	3X230-400 V~	1,43	1	1,36	4,7-2,7	-	-

*** NEW IE2 MOTOR**

TECHNICAL DATA - JETINOX

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JETINOX 82 M	102640020	1X220-240 V~	0,85	0,6	0,8	3,8	12,5	450
JETINOX 82 T	102640030	3X230-400 V~	0,86	0,6	0,8	2,8-1,6	-	-
JETINOX 102 M	102640040	1X220-240 V~	1,13	0,75	1	5,1	16	450
JETINOX 102 T*	60145172	3X230-400 V~	1,04	0,75	1	3,3-1,9	-	-
JETINOX 112 M	102640060	1X220-240 V~	1,4	1	1,36	6,2	25	450
JETINOX 112 T*	60145274	3X230-400 V~	1,35	1	1,36	4,3-2,5	-	-
JETINOX 92 M	102640080	1X220-240 V~	0,94	0,75	1	4,2	14	450
JETINOX 132 M	102640100	1X220-240 V~	1,49	1	1,36	6,6	25	450
JETINOX 132 T*	60145275	3X230-400 V~	1,43	1	1,36	4,7-2,7	-	-

* NEW IE2 MOTOR

TECHNICAL DATA - JETCOM

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JETCOM 62 M	102670000	1X220-240 V~	0,72	0,44	0,6	3,12	12,5	450
JETCOM 82 M	102670020	1X220-240 V~	0,85	0,6	0,8	3,8	12,5	450
JETCOM 102 M	102670040	1X220-240 V~	1,13	0,75	1	5,1	16	450
JETCOM 102 T*	60145176	3X230-400 V~	1,04	0,75	1	3,3-1,9	-	-
JETCOM 92 M	102670080	1X220-240 V~	0,94	0,75	1	4,2	14	450
JETCOM 132 M	102670100	1X220-240 V~	1,49	1	1,36	6,6	25	450
JETCOM 132 T*	60145278	3X230-400 V~	1,43	1	1,36	4,7-2,7	-	-

* NEW IE2 MOTOR

JET - JETINOX - JETCOM
SELF-PRIMING CENTRIFUGAL PUMPS


JET 151-251

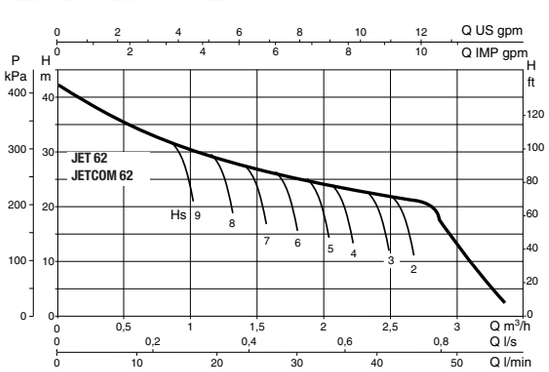

JET 200-300

TECHNICAL DATA - JET 200...251

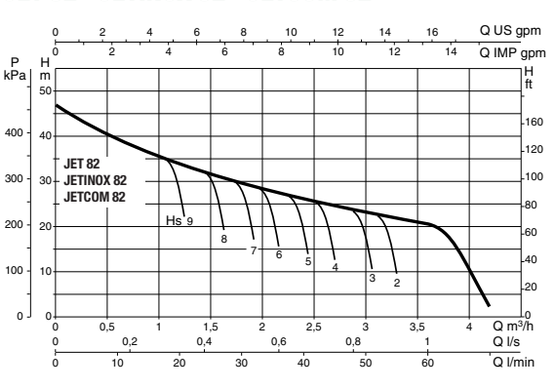
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JET 200 M	102160142	1X220-240 V~	2,0	1,5	2	9	31,5	450
JET 200 T*	60145850	3X230-400 V~	2,0	1,5	2	6,8-3,9	-	-
JET 300 M	102160162	1X220-240 V~	2,7	2,2	3	12	40	450
JET 300 T*	60145907	3X230-400 V~	2,7	2,2	3	8,5-4,9	-	-
JET 151 M	102160062	1X220-240 V~	1,6	1,1	1,5	7,2	31,5	450
JET 151 T*	60145787	3X230-400 V~	1,6	1,1	1,5	5,2-3	-	-
JET 251 M	102160092	1X220-240 V~	2,2	1,85	2,5	10	40	450
JET 251 T*	60145849	3X230-400 V~	2,2	1,85	2,5	6,9-4	-	-

*** NEW IE2 MOTOR**

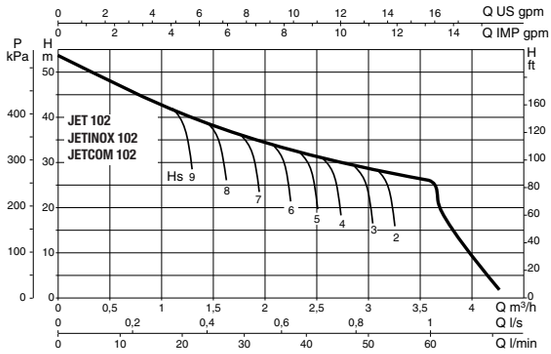
JET 62 - JETCOM 62



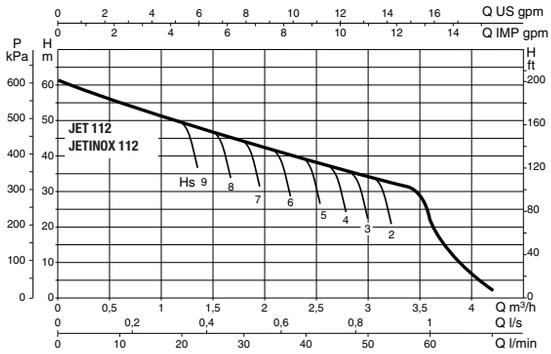
JET 82 - JETINOX 82 - JETCOM 82



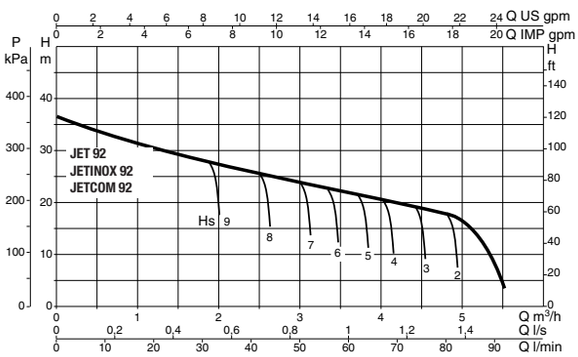
JET 102 - JETINOX 102 - JETCOM 102



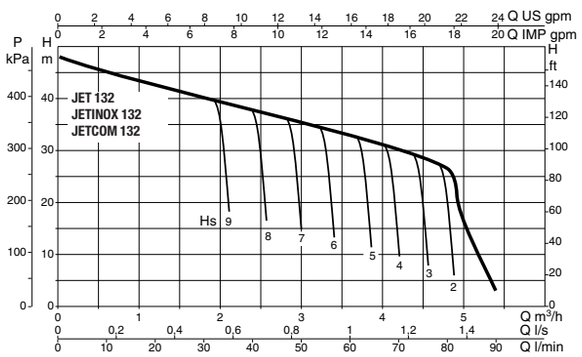
JET 112 - JETINOX 112



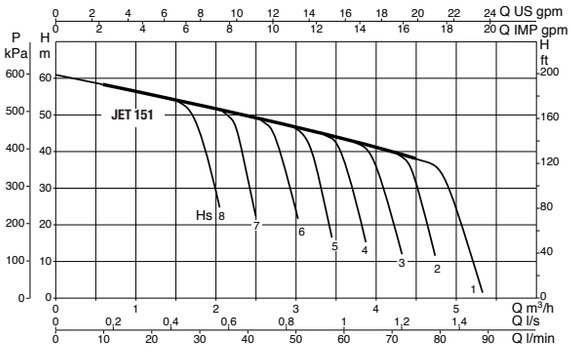
JET 92 - JETINOX 92 - JETCOM 92



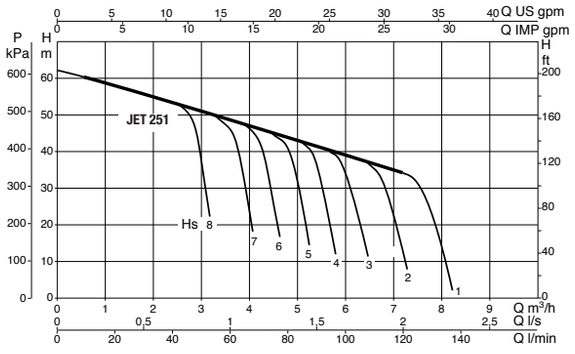
JET 132 - JETINOX 132 - JETCOM 132



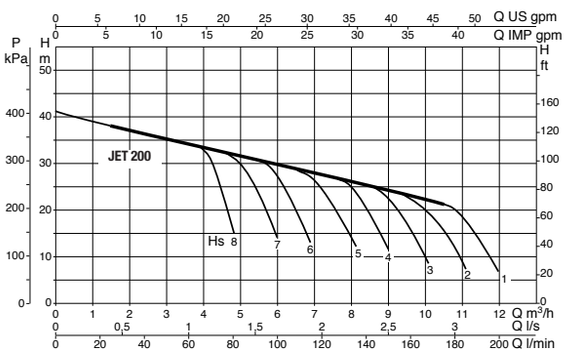
JET 151



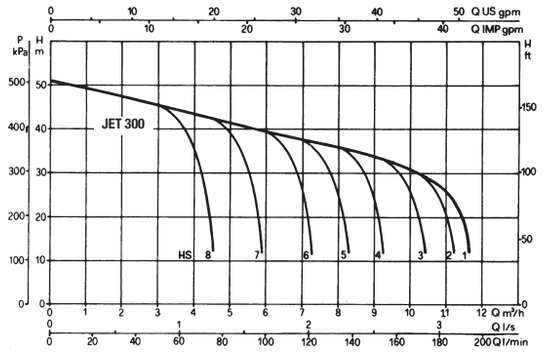
JET 251



JET 200

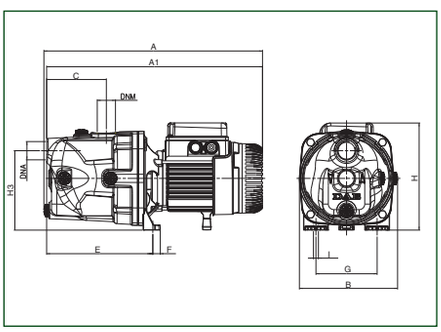


JET 300

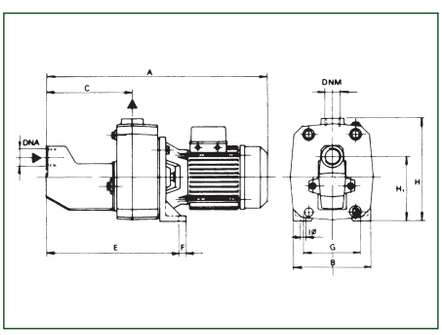


DIMENSIONS AND WEIGHTS

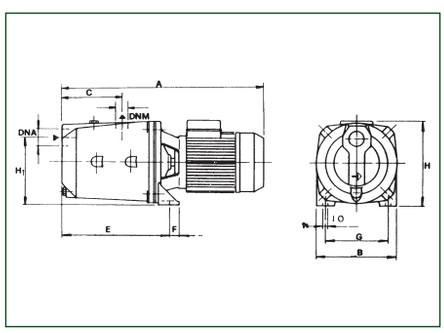
JET 62 -82-102-112-92-132



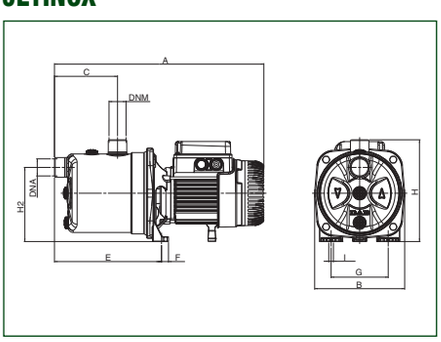
JET 151 - 251



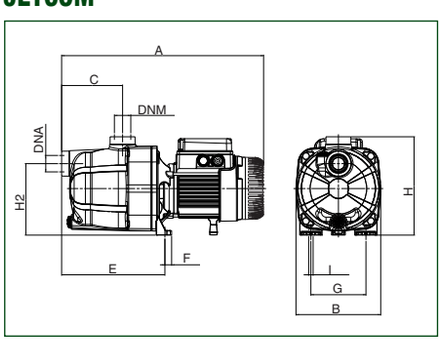
JET 200 - 300



JETINOX



JETCOM



MODEL	A	A1	B	C	E	F	G	H	H1	H3	I Ø	DNA	DNM	L/A	L/B	H	WEIGHT KG	Q.TY x PALLET
JET 62	395	390	178	108	192	14	111	193	–	144	9	1" G	1" G	470	240	240	10,5	28
JET 82	395	395	178	108	192	14	111	193	–	144	9	1" G	1" G	470	240	240	10,7	28
JET 102	414	409	178	108	197	14	111	203	–	144	9	1" G	1" G	470	240	240	12,5	28
JET 112	414	409	178	108	192	14	111	203	–	144	9	1" G	1" G	470	240	240	13,5	28
JET 92	395	390	178	108	192	14	111	193	–	144	9	1" G	1" G	470	240	240	11,7	28
JET 132	414	409	263	108	192	14	111	203	–	144	9	1" G	1" G	470	240	240	13,5	28
JET 151	558	210	221	350	20	145	11	255	158	–	–	1 1/4" G	1 " G	612	248	279	31	18
JET 251 M	632	210	221	350	20	145	11	255	158	–	–	1 1/4" G	1 " G	657	248	279	35	15
JET 251 T	558	210	221	350	20	145	11	255	158	–	–	1 1/4" G	1 " G	657	248	279	30,8	18
JET 200	521	214	151	282	20	160	11	227	175	–	–	1 1/2" G	1 1/4" G	612	248	279	27,1	18
JET 300 M	595	214	151	282	20	160	11	235	175	–	–	1 1/2" G	1 1/4" G	657	248	279	31,5	15
JET 300 T	521	214	151	282	20	160	11	227	175	–	–	1 1/2" G	1 1/4" G	612	248	279	27	18
JETINOX 82	406	174	122	207	14	111	197	–	144	9	–	1" G	1" G	470	240	240	7,8	28
JETINOX 102	424	174	122	207	14	111	197	–	144	9	–	1" G	1" G	470	240	240	9,6	28
JETINOX 112	424	174	122	207	14	111	197	–	144	9	–	1" G	1" G	470	240	240	10,6	28
JETINOX 92	406	174	122	207	14	111	197	–	144	9	–	1" G	1" G	470	240	240	8,8	28
JETINOX 132	424	174	122	207	14	111	197	–	144	9	–	1" G	1" G	470	240	240	10,6	28
JETCOM 62	406	170	122	208	14	111	198	–	144	9	–	1" G	1" G	470	240	240	7,5	28
JETCOM 82	406	170	122	208	14	111	198	–	144	9	–	1" G	1" G	470	240	240	7,7	28
JETCOM 102	425	170	122	208	14	111	203	–	144	9	–	1" G	1" G	470	240	240	9,5	28
JETCOM 92	425	170	122	208	14	111	203	–	144	9	–	1" G	1" G	470	240	240	8,7	28
JETCOM 132	425	170	122	208	14	111	203	–	144	9	–	1" G	1" G	470	240	240	10,5	28

DP
PUMPS FOR DEEP SUCTION

ENERGY EFFICIENCY IE2



CE

DOMESTIC WATER SUPPLY

Self-priming centrifugal pump for suction up to 27 metres , reached by means of an ejector. Cast iron pump body and motor support. Technopolymer impeller and diffusers. Stainless steel adjustment rings.
Carbon/ceramic mechanical seal.
Cast iron ejector body, technopolymer Venturi tube and brass nozzle.
Asynchronous motor closed and cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range: from 0.15 to 4.3 m^3/h
Liquid temperature range:
from 0°C to +40°C for other uses
from 0°C to +35° C for domestic use
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C
Maximum working pressure:
6 bar (600 kPa) for DP 80 - DP 100
8 bar (800 kPa) for DP 151 - DP 251
Protection level: IP 44
Insulation class: F

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
DP 82 M	102660860	1x220-240 V ~	0,73	0,6	0,8	3,4	12,5	450
DP 82 T	102660870	3x230-400 V ~	0,73	0,6	0,8	2,6-1,5	–	–
DP 102 M	102660880	1x220-240 V ~	0,79	0,75	1	3,8	16	450
DP 102 T	60145174	3x230-400 V ~	0,64	0,75	1	2,6-1,5	–	–
DP 151 M	102161042	1x220-240 V ~	1,56	1,1	1,5	7	31,5	450
DP 151 T	60145799	3x230-400 V ~	1,45	1,1	1,5	4,7-2,7	–	–
DP 251 M	102161072	1x220-240 V ~	–	1,85	2,5	8,3	40	450
DP 251 T	60145851	3x230-400 V ~	–	1,85	2,5	5,6-3,2	–	–

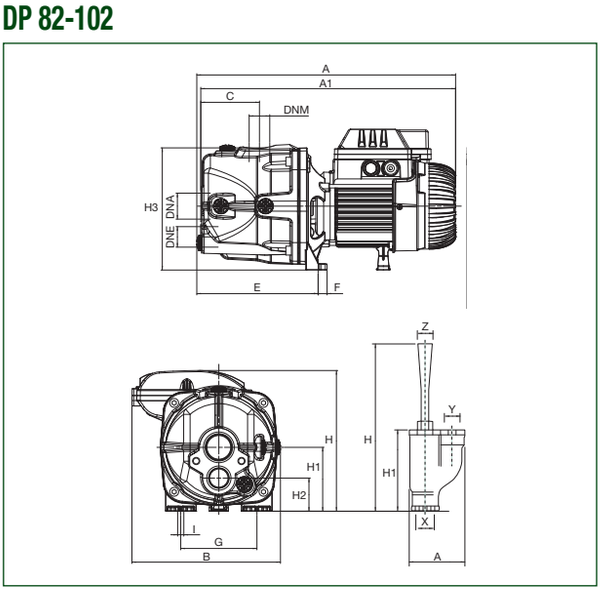
*** NEW IE2 MOTOR**

PERFORMANCE RANGE

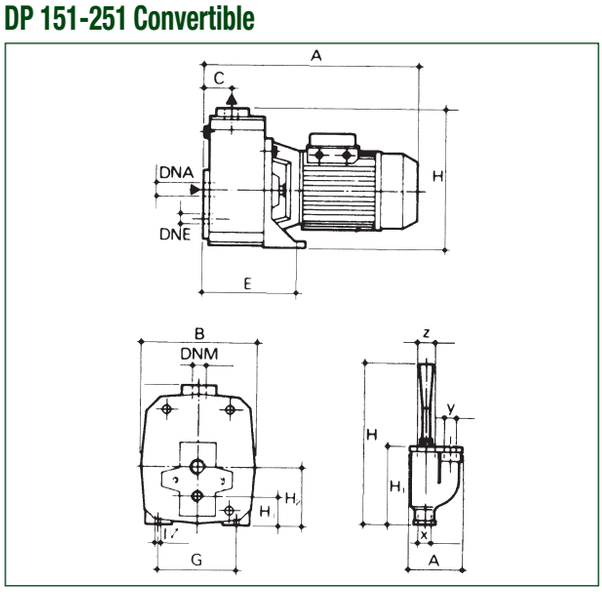
HYDRAULIC DATA (n _ 2800 1/min.)														
MODEL	P2 NOMINAL		EJECTOR TYPE	SUCTION DEPTH	Delivery pressure in bar												
	kW	HP			1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7
					Capacity table in l/h												
DP 82 M - T	0,6	0,8	E 25	9	1813	1080	446	33	–	–	–	–	–	–	–	–
				12	1426	225	–	–	–	–	–	–	–	–	–	–
				15	900	326	–	–	–	–	–	–	–	–	–	–
			E 30	9	1753	1286	812	524	261	12	–	–	–	–	–	–
				12	1345	965	608	329	162	0	–	–	–	–	–	–
				15	1166	761	452	228	45	–	–	–	–	–	–	–
DP 102 M - T	0,75	1	E 25	9	2386	1756	1097	515	126	–	–	–	–	–	–	–
				12	1930	1190	536	87	–	–	–	–	–	–	–	–
				15	1459	773	252	–	–	–	–	–	–	–	–	–
			E 30	12	–	1240	872	566	329	156	–	–	–	–	–	–
				15	–	1028	701	449	255	96	–	–	–	–	–	–
				18	–	785	527	302	150	15	–	–	–	–	–	–
				21	–	635	374	180	39	–	–	–	–	–	–	–
DP 151 M - T	1,1	1,5	E 20	9	–	–	–	3470	2890	2220	1500	750	–	–	–	–
				12	–	–	–	3110	2510	1850	1100	300	–	–	–	–
				15	–	–	–	2710	2100	1380	640	–	–	–	–	–
				18	–	–	–	2360	1700	950	–	–	–	–	–	–
			E 25	15	–	–	–	2800	2330	1830	1350	900	520	–	–	–
				18	–	–	–	2530	2050	1550	1090	680	300	–	–	–
				21	–	–	–	2280	1800	1300	860	470	–	–	–	–
			E 30	21	–	–	–	1820	1650	1410	1160	910	700	520	–	–
				24	–	–	–	1680	1520	1260	1020	780	580	420	–	–
				27	–	–	–	1550	1360	1110	880	680	490	330	–	–
DP 251 M - T	1,85	2,5	E 20	9	–	–	–	4300	3600	2900	2180	1400	640	–	–	–
				12	–	–	–	3750	3140	2540	1700	940	–	–	–	–
				15	–	–	–	–	2780	2040	1300	500	–	–	–	–
				18	–	–	–	–	2340	1610	820	–	–	–	–	–
			E 25	15	–	–	–	–	2920	2400	1900	1400	950	570	–	–
				18	–	–	–	–	2600	2110	1620	1150	720	360	–	–
				21	–	–	–	–	2350	1850	1350	900	510	–	–	–
				24	–	–	–	–	2050	1550	1080	660	300	–	–	–
			E 30	21	–	–	–	–	–	1710	1480	1220	980	770	590	420
				24	–	–	–	–	–	1580	1330	1080	850	670	490	330
				27	–	–	–	–	–	1440	1200	950	750	560	400	250

DIMENSIONS AND WEIGHTS

DP 82-102

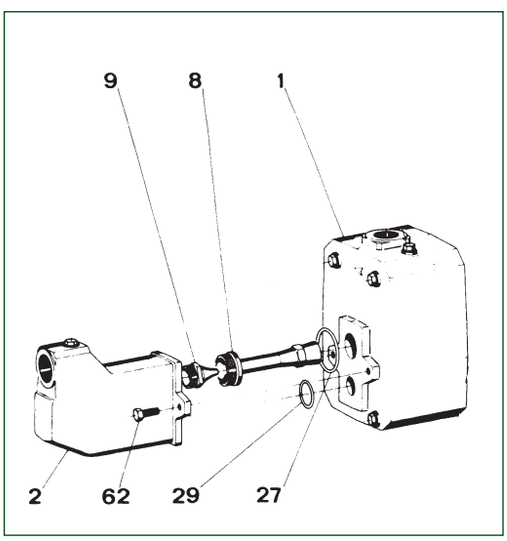


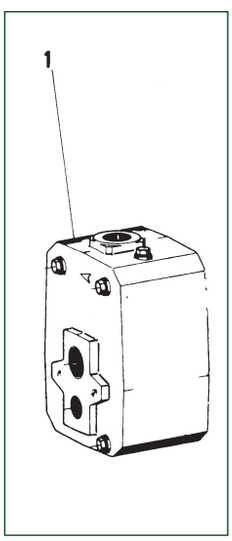
DP 151-251 Convertible



MODEL	A	A1	B	C	E	G	I Ø	H	H1	H2	H3	I	DNA	DNM	DNE	EJECTOR						PACKAGING DIMENSIONS		
																A	H	H1	x	y	z	L/A	L/B	H
DP 82	377	371	175	86	177	111	–	194	94	49	179	9	1¼"G	1"G	1"G	97	295	143	1"G	1"G	1¼"G	480	240	240
DP 102	398	392	175	86	177	111	–	203	94	49	179	9	1¼"G	1"G	1"G	97	295	143	1"G	1"G	1¼"G	480	240	240
DP 151	388	–	210	50	197	145	11	155	52	108	–	–	1¼"G	1"G	1"G	97	295	143	1"G	1"G	1¼"G	–	–	–
DP 251 M	462	–	210	50	197	145	11	155	53	108	–	–	1¼"G	1"G	1"G	97	295	143	1"G	1"G	1¼"G	–	–	–
DP 251 M	388	–	210	50	197	145	11	155	53	108	–	–	1¼"G	1"G	1"G	97	295	143	1"G	1"G	1¼"G	–	–	–

INSTRUCTION FOR CONVERTION





Conversion from DP 151-251 to JET 151-251
Screw the nozzle (9) into place on the ejector's body (2) and the Venturi tube (8). Put the O-rings (27) and (29) in their respective places and fix the ejector body (2) to the pump body (1) using the two screws (62).

Conversion from JET 151-251 to DP 151-251
Loosen and remove the two screws (62) connecting the ejector body (2) to the pump body (1).
Save the O-rings (27) and (29), the Venturi tube (8) and the nozzle (9).

GARDENJET - GARDEN INOX - GARDEN COM

SELF-PRIMING CENTRIFUGAL PUMPS



GARDENJET



GARDEN-INOX



GARDEN-COM

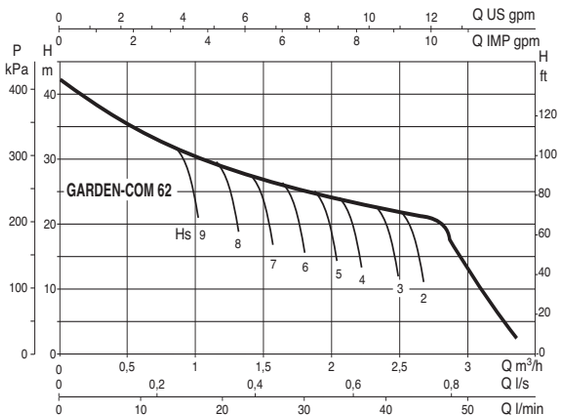
CE

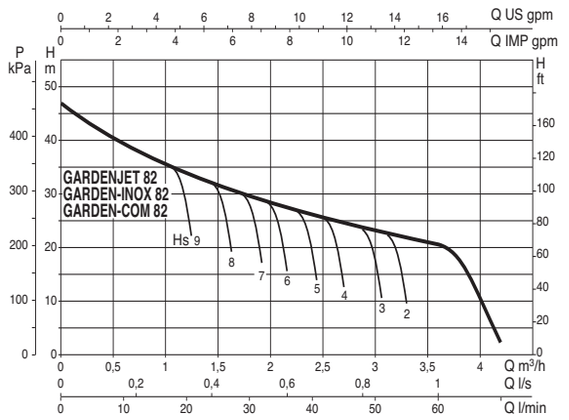
DOMESTIC WATER SUPPLY

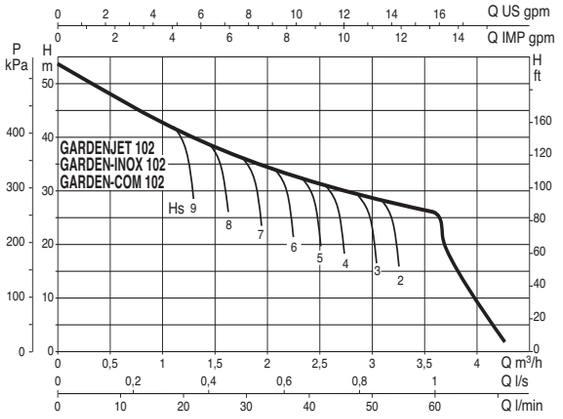
Portable self-priming centrifugal electropump for gardening, vegetable gardens, washing and hobbies.
Equipped with a handle for easy transport and 2-metre power cable type H07 RN-F complete with plug and switch. Compact and easy to install, self-priming so that it can take up water from tanks, wells or streams, tolerating air bubbles and water with small particles of sand.
Gardenjet: Cast iron pump body and die-cast aluminium motor support.
Garden-com: Technopolymer pump body and die-cast aluminium motor support.
Garden-inox: Stainless steel pump body. Die-cast aluminium motor support.
Technopolymer impeller, diffuser and Venturi tube.
Stainless steel seal disc and pressure discs.
Carbon/ceramic mechanical seal.
nduction motor, closed and cooled with external ventilation.
Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Built-in thermal and current overload protection and a capacitor permanently in circuit.
Manufactured according to CEI 2-3 and CEI 61-69 standards (EN 60335-2-41).
Motor protection: IP 44
Terminal box protection: IP 55
Insulation class: F
Standard voltage: single-phase220-240 V/50 Hz
Operating range: from 0.4 to 5.4 m3/h with head up to 54 metres.
Liquid quality requirements: clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallizeneutral, close to the characteristics of water.
Liquid temperature range:
from 0°C to +35°C for domestic use (EN 60335-2-41)
from 0°C to +40°C for other uses
Maximum ambient temperature: +40°C
Maximum suction depth: 8 metres
Maximum operating pressure:
8 bar (800 kPa)
6 bar (600 kPa) only for technopolymer models (JETCOM)
Installation: fixed or portable in a horizontal position.
Special executions on request: other voltages and/or frequencies.

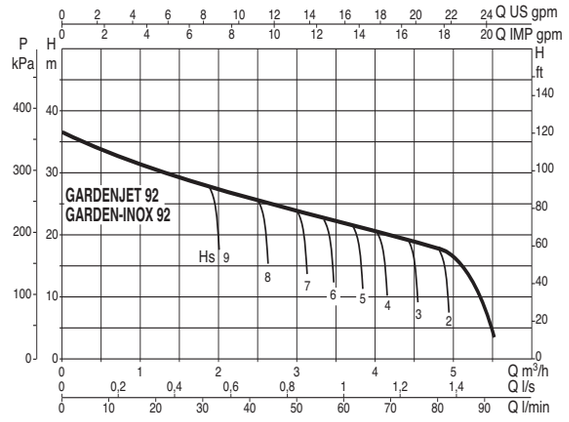
TECHNICAL DATA - JET

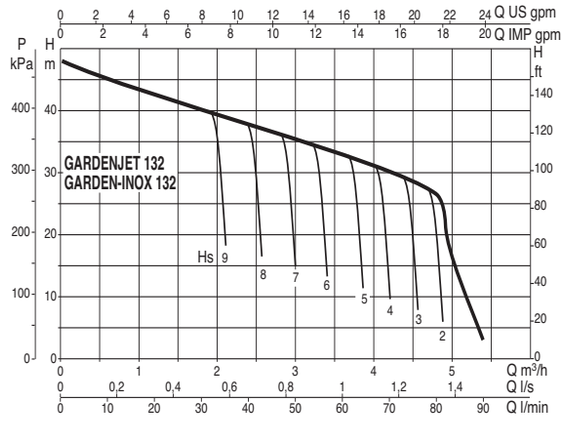
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
GARDENJET 82 M	102652010	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
GARDENJET 102 M	102652020	1x220-240 V ~	1,13	0,75	1	5,1	16	450
GARDENJET 92 M	102652030	1x220-240 V ~	0,94	0,75	1	4,2	14	450
GARDENJET 132 M	102652040	1x220-240 V ~	1,49	1	1,36	6,6	25	450
GARDENJET-INOX 82 M	102657010	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
GARDENJET-INOX 102 M	102657020	1x220-240 V ~	1,13	0,75	1	5,1	16	450
GARDENJET-INOX 92 M	102657030	1x220-240 V ~	0,94	0,75	1	4,2	14	450
GARDENJET-INOX 132 M	102657040	1x220-240 V ~	1,49	1	1,36	6,6	25	450
GARDENJET-COM 62 M	102682000	1x220-240 V ~	0,72	0,44	0,6	3,12	12,5	450
GARDENJET-COM 82 M	102682010	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
GARDENJET-COM 102	102682020	1x220-240 V ~	1,13	0,75	1	5,1	16	450
GARDEN-INOX 40/50 M	102970740	1x220-240 V ~	1,2	0,8	1,1	5,3	20	450


Q US gpm
Q IMP gpm
P kPa
H m
H ft
GARDEN-COM 62
Hs 9 8 7 6 5 4 3 2
Q m³/h
Q l/s
Q l/min


Q US gpm
Q IMP gpm
P kPa
H m
H ft
GARDENJET 82
GARDEN-INOX 82
GARDEN-COM 82
Hs 9 8 7 6 5 4 3 2
Q m³/h
Q l/s
Q l/min

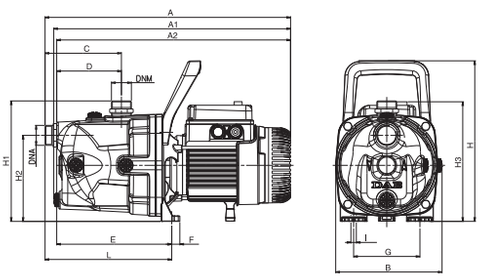

Q US gpm
Q IMP gpm
P kPa
H m
H ft
GARDENJET 102
GARDEN-INOX 102
GARDEN-COM 102
Hs 9 8 7 6 5 4 3 2
Q m³/h
Q l/s
Q l/min


Q US gpm
Q IMP gpm
P kPa
H m
H ft
GARDENJET 92
GARDEN-INOX 92
Hs 9 8 7 6 5 4 3 2
Q m³/h
Q l/s
Q l/min

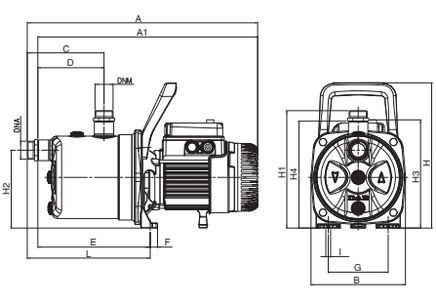

Q US gpm
Q IMP gpm
P kPa
H m
H ft
GARDENJET 132
GARDEN-INOX 132
Hs 9 8 7 6 5 4 3 2
Q m³/h
Q l/s
Q l/min

DIMENSIONS AND WEIGHTS

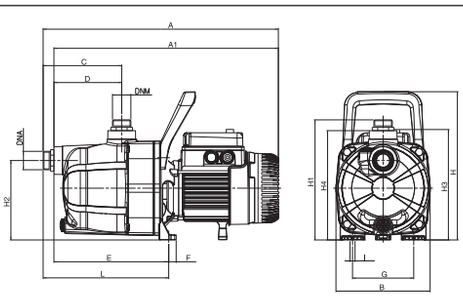
GARDEN-JET



GARDEN-INOX



GARDEN-COM



MODEL	A	A1	A2	B	C	D	E	F	G	H	H1	H2	H3	I Ø	L	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
																		L/A	L/B	H		
GARDENJET 82	410	395	390	178	127	108	192	14	111	268	201	144	199	9	212	1"G	1"G	470	240	240	11	28
GARDENJET 102	429	414	409	178	127	108	192	14	111	268	200	144	209	9	212	1"G	1"G	470	240	240	12,8	28
GARDENJET 92	410	395	390	178	127	108	192	14	111	268	201	144	199	9	212	1"G	1"G	470	240	240	12	28
GARDENJET 132	429	414	409	178	127	108	192	14	111	268	200	144	209	9	212	1"G	1"G	470	240	240	13,8	28
GARDEN-INOX 82	424	406	174	142	122	207	14	111	268	216	144	199	197	9	227	1"G	1"G	470	240	240	10,7	28
GARDEN-INOX 102	444	424	174	142	122	207	14	111	268	216	144	209	197	9	227	1"G	1"G	470	240	240	12,5	28
GARDEN-INOX 92	425	406	174	142	122	207	14	111	268	216	144	199	197	9	227	1"G	1"G	470	240	240	11,7	28
GARDEN-INOX 132	444	424	174	142	122	207	14	111	268	216	144	209	197	9	227	1"G	1"G	470	240	240	13,5	28
GARDEN-COM 62	425	406	170	142	122	208	14	111	268	217	144	199	198	9	227	1"G	1"G	470	240	240	10,7	28
GARDEN-COM 82	425	406	170	142	122	208	14	111	268	217	144	199	198	9	227	1"G	1"G	470	240	240	10,7	28
GARDEN-COM 102	444	406	170	142	122	208	14	111	268	217	144	209	203	9	227	1"G	1"G	470	240	240	12,5	28

EURO-EUROINOX-EUROCOM

MULTISTAGE CENTRIFUGAL PUMPS

ENERGY EFFICIENCY IE2



EURO



EUROCOM



EUROINOX

CE

DOMESTIC WATER SUPPLY

Multistage horizontal centrifugal pump, featuring extremely silent running suitable for domestic use for water supply and pressurisation, irrigation of gardens and vegetable gardens, and moving water in general.
Euro: pump body in 200 UNI ISO 185 cast iron.
Euroinox: stainless steel pump body.
Eurocom: technopolymer pump body.
Motor support in die-cast aluminium, seal holder in AISI 304 steel. Mechanical seal in carbon/ceramic. Rotor shaft in AISI 304 steel. Rotors, diffuser bodies and diffusers in technopolymer. Adjustment rings in stainless steel.

Protection level of motor: IP 44
Protection level of terminal board: IP 55
Insulation class: F
Operating range: from 10 to 120 l/min. with a head of up to 72 m.
Pumped liquid characteristics: clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.
Liquid temperature range:
from 0°C to +35°C C for domestic use (EN 60335-2-41)
from 0°C to +40°C for other uses.
Maximum ambient temperature: +40°C
Maximum operating pressure: 8 bar (800 kPa)
Euroinox: self-priming.other uses.
Maximum ambient temperature: +40°C
Maximum operating pressure: 8 bar (800 kPa)
Euroinox: self-priming.

TECHNICAL DATA - EURO

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
EURO 25/30 M	102970000	3	1x220-240V ~	0,510	0,37	0,5	2,4	10	450
EURO 30/30 M	102970020	4	1x220-240V ~	0,74	0,45	0,6	3,2	12,5	450
EURO 40/30 M	102970040	5	1x220-240V ~	0,870	0,55	0,75	3,9	12,5	450
EURO 30/50 M	102970060	3	1x220-240V ~	0,880	0,55	0,75	3,9	12,5	450
EURO 30/50 T	102970070	3	3x230-400V ~	0,870	0,55	0,75	2,8/1,6	-	-
EURO 40/50 M	102970080	4	1x220-240V ~	1,200	0,75	1	5,3	25	450
EURO 40/50 T*	60145283	4	3x230-400V ~	1,180	0,75	1	3,8/2,2	-	-
EURO 50/50 M	102970100	5	1x220-240V ~	1,480	1	1,36	6,3	25	450
EURO 50/50 T*	60145284	5	3x230-400V ~	1,440	1	1,36	4,4/2,5	-	-
EURO 25/80 M	102970120	3	1x220-240V ~	0,880	0,55	0,75	3,9	12,5	450
EURO 30/80 M	102970140	4	1x220-240V ~	1,2	0,8	1,1	5,3	25	450

*** NEW IE2 MOTOR**

EURO-EUROINOX-EUROCOM
MULTISTAGE CENTRIFUGAL PUMPS

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
EURO 30/80 T*	60145285	4	3x230-400 V ~	1,18	0,8	1,1	3,8/2,2	-	-
EURO 40/80 M	102970160	4	1x220-240 V ~	1,48	1	1,36	6,3	25	450
EURO 40/80 T*	60145286	5	3x230-400 V ~	1,44	1	1,36	4,4/2,5	-	-

*** NEW IE2 MOTOR**

TECHNICAL DATA - EUROINOX

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
EUROINOX 25/30 M	102970200	3	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450
EUROINOX 25/30 T	102970210	3	3x230-400 V ~	0,510	0,37	0,5	1,9-1,1	-	-
EUROINOX 30/30 M	102970220	4	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450
EUROINOX 30/30 T	102970230	4	3x230-400 V ~	0,700	0,45	0,6	2,2-1,3	-	-
EUROINOX 40/30 M	102970240	5	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
EUROINOX 40/30 T	102970250	5	3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-
EUROINOX 30/50 M	102970260	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
EUROINOX 30/50 T	102970270	3	3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-
EUROINOX 40/50 M	102970280	4	1x220-240 V ~	1,200	0,75	1	5,3	25	450
EUROINOX 40/50 T*	60145287	4	3x230-400 V ~	1,180	0,75	1	3,8-2,2	-	-
EUROINOX 50/50 M	102970300	5	1x220-240 V ~	1,480	1	1,36	6,3	25	450
EUROINOX 50/50 T*	60145288	5	3x230-400 V ~	1,440	1	1,36	4,4-2,5	-	-
EUROINOX 25/80 M	102970320	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
EUROINOX 25/80 T	102970330	3	3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-
EUROINOX 30/80 M	102970340	4	1x220-240 V ~	1,200	0,8	1,1	5,3	12,5	450

*** NEW IE2 MOTOR**

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
EUROINOX 30/80 T*	60145289	4	3x230-400 V ~	1,18	0,8	1,1	3,8 - 2,2	-	-
EUROINOX 40/80 M	102970360	5	1x220-240 V ~	1,48	1	1,36	6,5	25	450
EUROINOX 40/80 T*	60145290	5	3x230-400 V ~	1,44	1	1,36	4,4-2,5	-	-

*** NEW IE2 MOTOR**

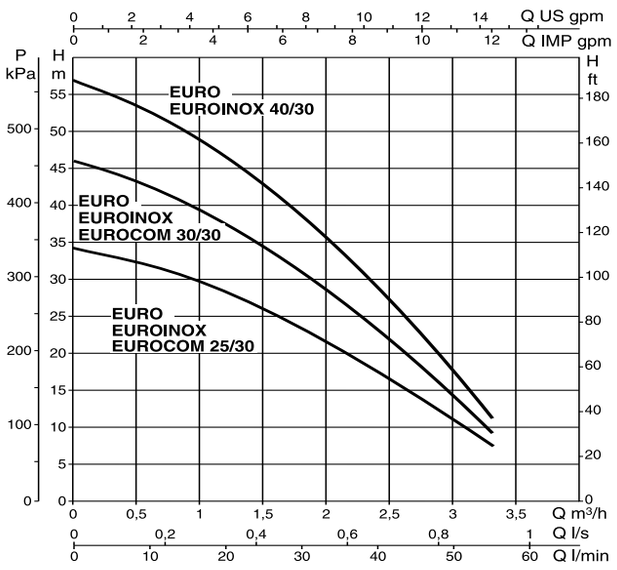
TECHNICAL DATA - EUROCOM

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
EUROCOM 25/30 M	102960000	3	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450
EUROCOM 30/30 M	102960020	4	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450
EUROCOM 30/50 M	102960060	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
EUROCOM 40/50 M	102960080	4	1x220-240 V ~	1,200	0,75	1	5,3	25	450
EUROCOM 40/50 T*	60145279	4	3x230-400 V ~	1,180	0,75	1	3,8-2,2	-	2
EUROCOM 25/80 M	102960120	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
EUROCOM 30/80 M	102960140	4	1x220-240 V ~	1,140	0,8	1,1	5,2	25	450
EUROCOM 30/80 T*	60145280	4	3x230-400 V ~	1,040	0,8	1,1	3,3-1,9	-	-

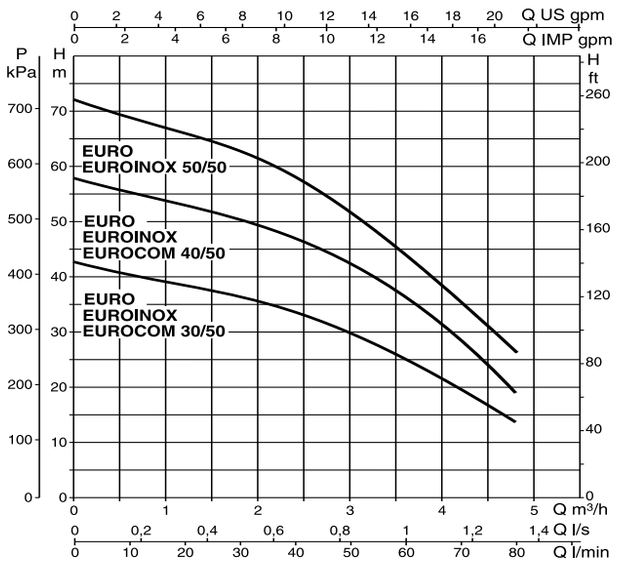
*** NEW IE2 MOTOR**

EURO-EUROINOX-EUROCOM
MULTISTAGE CENTRIFUGAL PUMPS

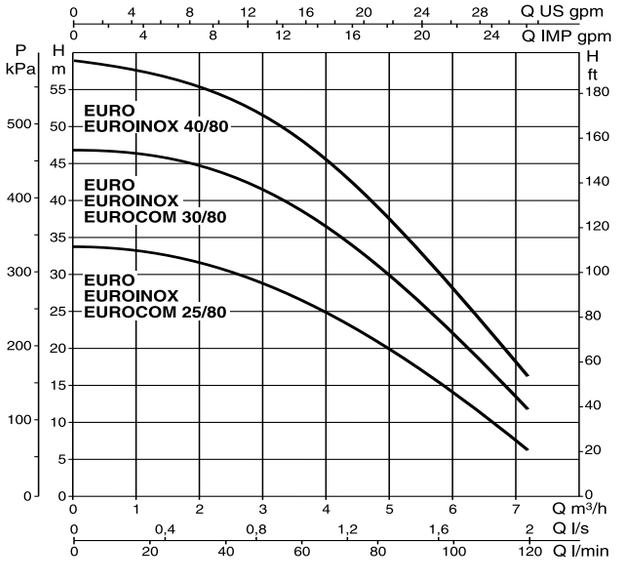
EURO - EUROINOX - EUROCOM 30



EURO - EUROINOX - EUROCOM 50

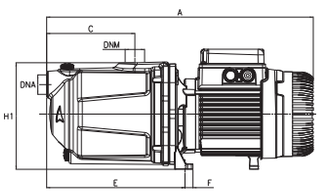


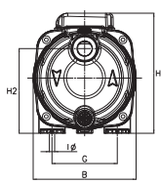
EURO - EUROINOX - EUROCOM 80



DIMENSIONS AND WEIGHTS

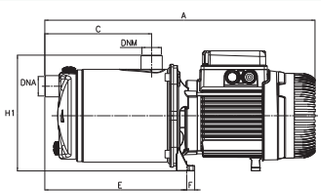
EURO

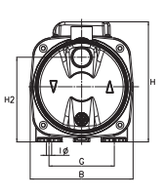




MODEL	A	B	C	E	F	G	IØ	H	H1	H2	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
													L/A	L/B	H		
EURO 25/30	378	175	94,5	180	13,5	111	9	194	179	143,5	1" G	1" G	440	206	245	10,7	28
EURO 30/30	433	175	149,5	235	13,5	111	9	194	179	143,5	1" G	1" G	480	212	265	12,7	28
EURO 40/30	433	175	149,5	235	13,5	111	9	194	179	143,5	1" G	1" G	480	212	265	12,8	28
EURO 30/50	378	175	94,5	180	13,5	111	9	194	179	143,5	1" G	1" G	440	206	245	11,7	28
EURO 40/50	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	15,6	28
EURO 50/50	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	16,2	28
EURO 25/80	378	175	94,5	180	13,5	111	9	194	179	143,5	1" G	1" G	440	206	245	15,6	28
EURO 30/80	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	15,6	28
EURO 40/80	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	16,2	28

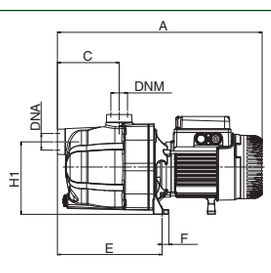
EUROINOX

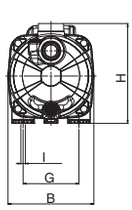




MODEL	A	B	C	E	F	G	IØ 4 HOLES	H	H1	H2	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
													L/A	L/B	H		
EUROINOX 25/30	384	174	108	186	13,5	111	9	193	196	143	1" G	1" G	440	206	245	9,7	28
EUROINOX 30/30	439	174	166	241	13,5	111	9	193	196	143	1" G	1" G	480	212	265	11,7	28
EUROINOX 40/30	439	174	166	241	13,5	111	9	193	196	143	1" G	1" G	480	212	265	11,9	28
EUROINOX 30/50	384	174	108	186	13,5	111	9	193	196	143	1" G	1" G	440	206	245	10,5	28
EUROINOX 40/50	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	14,6	28
EUROINOX 50/50	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	15,1	28
EUROINOX 25/80	384	174	108	186	13,5	111	9	193	196	143	1" G	1" G	440	206	245	10,5	28
EUROINOX 30/80	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	14,6	28
EUROINOX 40/80	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	15,1	28

EUROCOM





MODEL	A	B	C	E	F	G	IØ 4 HOLES	H	H1	H2	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
													L/A	L/B	H		
EUROCOM 25/30	406	170	122	208	14	111	9	198	144	–	1" G	1" G	470	240	240	8	28
EUROCOM 30/30	406	170	122	208	14	111	9	198	144	–	1" G	1" G	470	240	240	8,8	28
EUROCOM 30/50	406	170	122	208	14	111	9	198	144	–	1" G	1" G	470	240	240	8,8	28
EUROCOM 40/50	425	170	122	208	14	111	9	203	144	–	1" G	1" G	470	240	240	11	28
EUROCOM 25/80	406	170	122	208	14	111	9	198	144	–	1" G	1" G	470	240	240	8,8	28
EUROCOM 30/80	425	170	122	208	14	111	9	203	144	–	1" G	1" G	470	240	240	11	28

MULTI INOX

SEL-PRIMING HORIZONTAL MULTISTAGE PUMPS

CE

DOMESTIC WATER SUPPLY

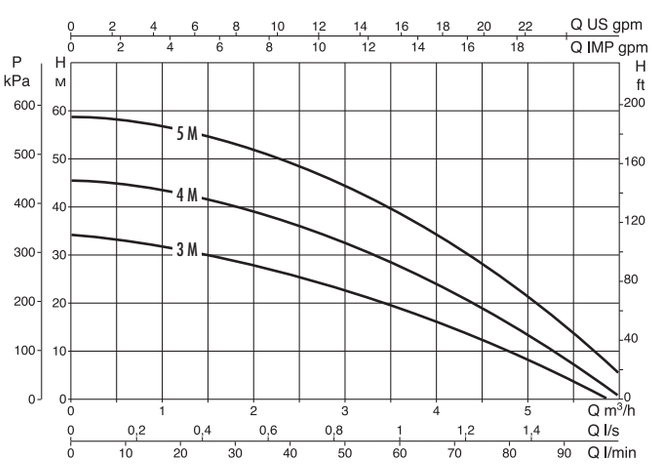


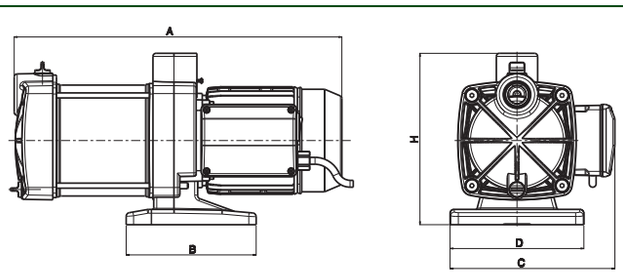
Self-priming multistage pumps ideal for water supply in domestic and garden applications. High performances. Available with 3 - 4 – 5 **impellers in AISI 304 stainless steel**.
Materials resistant to corrosion and oxidation.
Motor with thermal overload protection.
Double insulation between motor and hydraulic section.

Optimal resistance to low temperatures.
Supplied complete with power cable and plug.
Liquid temperature range:
from 0°C to +35°C (for domestic use)
(EN 60335-2-41)
from 0°C to +40°C (for other uses).

TECHNICAL DATA

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
MULTI INOX 3 M	**60122692**	3	1x220-240 V ~	0,80	0,55	0,75	3,7	12,5	450
MULTI INOX 4 M	**60122693**	4	1x220-240 V ~	1,00	0,75	1	4,5	16	450
MULTI INOX 5 M	**60122694**	5	1x220-240 V ~	1,25	1	1,36	5,5	20	450





MODEL	A	B	C	D	H	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
						L/A	L/B	H		
MULTI INOX 3 M	380	170	215	175	220	460	230	270	8,8	21
MULTI INOX 4 M	430	170	215	175	220	460	230	270	11,3	21
MULTI INOX 5 M	455	170	215	175	220	460	230	270	12,5	21

MULTI 4 SW

SEL-PRIMING HORIZONTAL MULTISTAGE PUMPS



CE

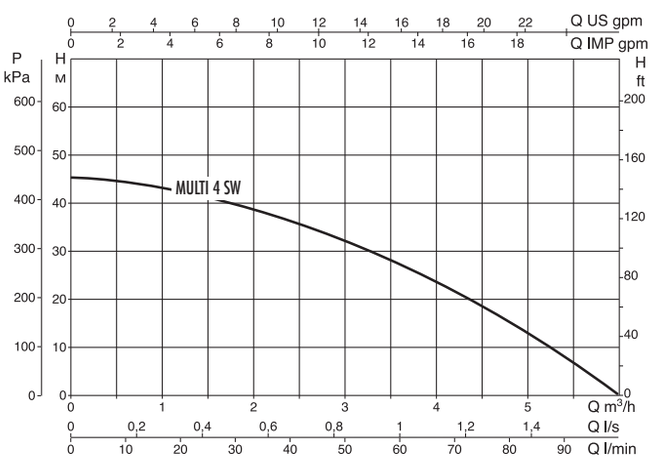
SALT WATER

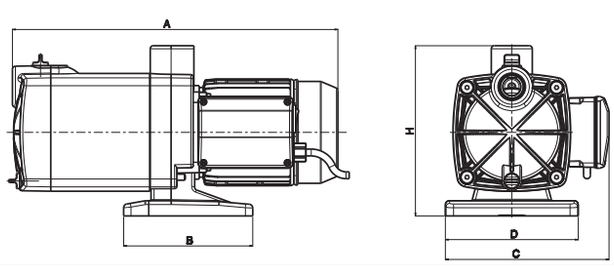
Is a self-priming multistage surface pump specifically constructed to pump salt water. Low noise and high pressure performance. **Available with 4-Noryl impeller.**
Anti-corrosive and rust-proof materials.
Motor with thermic overload protection.

Double sealing system between motor and hydraulic part.
High resistance to frost and icing.
Supplied with power cable with plug, and self-sealing fitting.
Supplied complete with power cable and plug.

TECHNICAL DATA

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
MULTI 4 SW M	**60122695**	4	1x220-240 V ~	1,00	0,75	1	4,5	16	450





MODEL	A	B	C	D	H	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
						L/A	L/B	H		
MULTI INOX 4 M	430	170	215	175	220	460	230	270	10,6	21

JET - JET INOX / EURO - EUROINOX M-P

CENTRIFUGAL PUMPS FITTED



ENERGY EFFICIENCY IE2

CE

DOMESTIC WATER SUPPLY

SINGLE-PHASE VERSION
Self-priming pump equipped with gauge, pressure switch, power supply cable with plug and three-way brass fitting for connecting to a tank.

THREE-PHASE VERSION
Self-priming electropump equipped with gauge, pressure switch, overload cutout and three-way brass fitting for connecting to a tank

JET M-P



JETINOX M-P



JET 151-251 M-P



JET 151-251 T-P

TECHNICAL DATA - JET M-P - JETINOX M-P

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JET 62 M-P	102662000	1x220-240 V ~	0,72	0,44	0,6	3,12	12,5	450
JET 82 M-P	102662020	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
JET 102 M-P	102662040	1x220-240 V ~	1,13	0,75	1	5,1	16	450
JET 112 M-P	102662060	1x220-240 V ~	1,4	1	1,36	6,2	25	450
JET 132 M-P	102662100	1x220-240 V ~	1,49	1	1,36	6,6	25	450
JET 200 M-P	102162182	1x220-240 V ~	2	1,5	2	9	31,5	450
JET 200 T-P	60147316	3x400 V~	2	1,5	2	3,9	-	-
JET 300 M-P	102162192	1x220-240 V ~	2,7	2,2	3	12	40	450
JET 300 T-P	60147318	3x400 V~	2,7	2,2	3	8,5-4,9	-	-
JET 151 M-P	102162062	1x220-240 V ~	1,6	1,1	1,5	7,2	31,5	450
JET 151 T-P	60147315	3x400 V~	1,6	1,1	1,5	5,2-3	-	-
JET 251 M-P	102162082	1x220-240 V ~	2,2	1,85	2,5	10	40	450
JET 251 T-P	60147317	3x400 V~	2,2	1,85	2,5	6,9-4	-	-
JETINOX 82 M-P	102642020	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
JETINOX 102 M-P	102642040	1x220-240 V ~	1,13	0,75	1	5,1	16	450
JETINOX 112 M-P	102642060	1x220-240 V ~	1,4	1	1,36	6,2	25	450
JETINOX 132 M-P	102642100	1x220-240 V ~	1,49	1	1,36	6,6	25	450

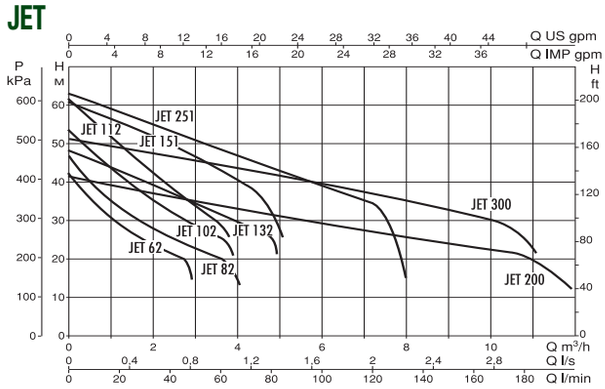
*** NEW IE2 MOTOR**

TECHNICAL DATA - EURO M-P - EUROINOX M-P

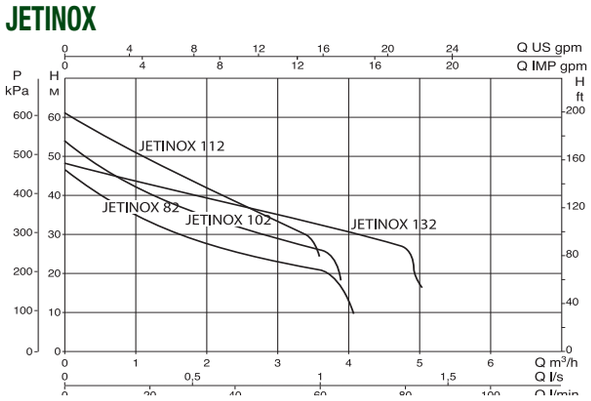
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
EURO 30/50 M-P	102972060	1 x 220-240 V~	0,88	0,55	0,75	3,9	12,5	450
EURO 40/50 M-P	102972080	1 x 220-240 V~	1,2	0,8	1,1	5,3	25	450
EURO 30/80 M-P	102972140	1 x 220-240 V~	1,2	0,75	1	5,3	25	450
EURO 40/80 M-P	102972160	1 x 220-240 V~	1,48	1	1,36	6,3	25	450
EUROINOX 30/30 M-P	102972220	1 x 220-240 V~	0,72	0,45	0,6	3,2	12,5	450
EUROINOX 40/30 M-P	102972240	1 x 220-240 V~	0,88	0,55	0,75	3,9	12,5	450
EUROINOX 30/50 M-P	102972260	1 x 220-240 V~	0,88	0,55	0,75	3,9	12,5	450
EUROINOX 40/50 M-P	102972280	1 x 220-240 V~	1,2	0,8	1,1	5,3	25	450
EUROINOX 50/50 M-P	102972300	1 x 220-240 V~	1,48	1	1,36	6,3	25	450
EUROINOX 25/80 M-P	102972320	1 x 220-240 V~	0,88	0,55	0,75	3,9	12,5	450
EUROINOX 30/80 M-P	102972340	1 x 220-240 V~	1,2	0,75	1	5,3	25	450
EUROINOX 40/80 M-P	102972360	1 x 220-240 V~	1,48	1	1,36	6,3	25	450

*** NEW IE2 MOTOR**

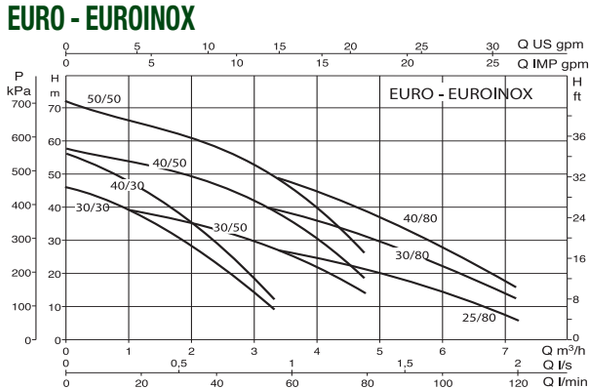
JET



JETINOX

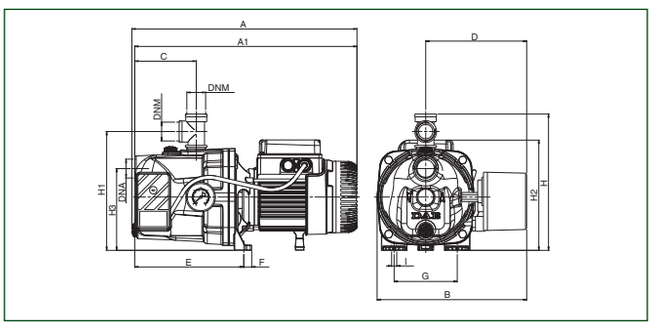


EURO - EUROINOX

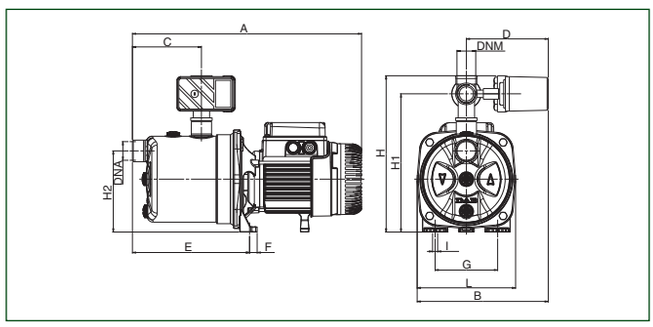


DIMENSIONS AND WEIGHTS

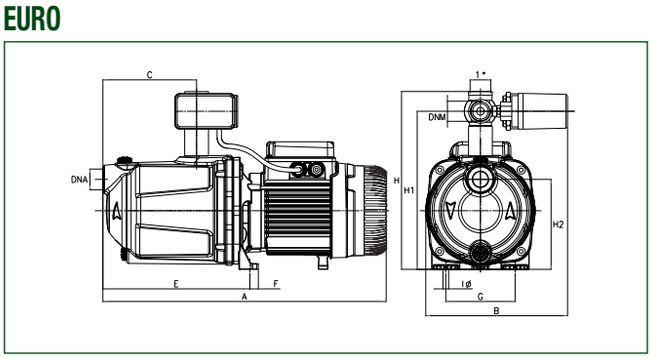
JET



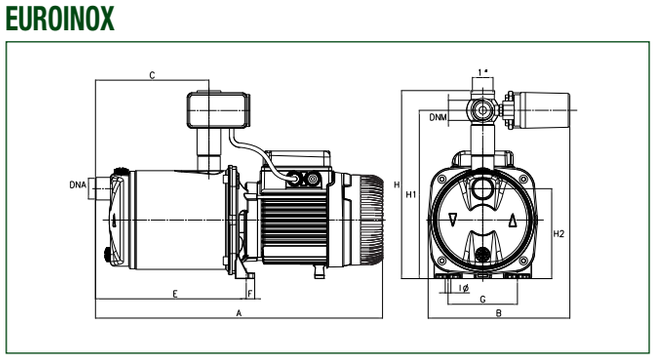
JETINOX



EURO



EUROINOX



MODEL	A	A1	B	C	D	E	F	G	IØ	H	H1	H2	H3	I	DNA GAS	DNM GAS	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
																	L/A	L/B	H		
JET 62 M-P	395	390	263	108	177	192	14	111	–	239	209	193	144	9	1"	1"	440	295	235	11,9	24
JET 82 M-P	395	390	263	108	177	192	14	111	–	239	209	193	144	9	1"	1"	440	295	235	12,1	24
JET 102 M-P	414	390	263	108	177	192	14	111	–	239	209	203	144	9	1"	1"	440	295	235	13,9	24
JET 112 M-P	414	390	263	108	177	192	14	111	–	239	209	203	144	9	1"	1"	440	295	235	14,9	24
JET 132 M-P	414	390	263	108	177	192	14	111	–	239	209	203	144	9	1"	1"	440	295	235	14,9	24
JET 200 M-P	521	–	294	151	–	282	20	160	11	275	175	–	–	11	1"1/2	1"1/4	600	236	267	27,5	9
JET 200 T-P	521	–	294	151	–	282	20	160	11	275	175	–	–	11	1"1/2	1"1/4	600	236	267	28	9
JET 300 M-P	595	–	294	151	–	282	20	160	11	275	175	–	–	11	1"1/2	1"1/4	660	236	267	31,5	9
JET 300 T-P	521	–	294	151	–	282	20	160	11	275	175	–	–	11	1"1/2	1"1/4	600	236	267	30	9
JET 151 M-P	558	–	290	220	–	367	15	145	11	305	165	–	–	11	1"1/4	1"	600	236	267	31,5	18
JET 151 T-P	558	–	290	220	–	367	15	145	11	305	165	–	–	11	1"1/4	1"	600	236	267	33	18
JET 251 M-P	632	–	290	220	–	367	15	145	11	305	165	–	–	11	1"1/4	1"	645	236	267	36	15
JET 251 T-P	558	–	290	220	–	367	15	145	11	305	165	–	–	11	1"1/4	1"	600	236	267	34	15
JETINOX 82 M-P	406	–	232	122	145	207	14	111	9	276	244	144	–	–	1"	1"				13,6	18
JETINOX 102 M-P	424	–	232	122	145	207	14	111	9	276	244	144	–	–	1"	1"				14,8	18
JETINOX 112 M-P	424	–	232	122	145	207	14	111	9	276	244	144	–	–	1"	1"				15,8	18
JETINOX 132 M-P	424	–	232	122	145	207	14	111	9	276	244	144	–	–	1"	1"				15,8	18
EURO 30/50 M-P	378	–	226	94,5	–	180	13,5	111	9	281	250	143,5	–	–	1"	1"				13,2	12
EURO 40/50 M-P	452	–	226	149,5	–	235	13,5	111	9	281	250	143,5	–	–	1"	1"				17	12
EURO 30/80 M-P	452	–	226	149,5	–	235	13,5	111	9	281	250	143,5	–	–	1"	1"				17	12
EURO 40/80 M-P	452	–	226	149,5	–	235	13,5	111	9	281	250	143,5	–	–	1"	1"				17,7	12
EUROINOX 30/30 M-P	439	–	226	108	–	241	13,5	111	9	300	268	143	–	–	1"	1"				15	12
EUROINOX 40/30 M-P	439	–	226	108	–	241	13,5	111	9	300	268	143	–	–	1"	1"				15,5	12
EUROINOX 30/50 M-P	384	–	226	108	–	186	13,5	111	9	300	268	143	–	–	1"	1"				11,4	12
EUROINOX 40/50 M-P	458	–	226	108	–	241	13,5	111	9	300	268	143	–	–	1"	1"				14,5	12
EUROINOX 50/50 M-P	458	–	226	108	–	241	13,5	111	9	300	268	143	–	–	1"	1"				17,5	12
EUROINOX 25/80 M-P	384	–	226	108	–	186	13,5	111	9	300	268	143	–	–	1"	1"				11,4	12
EUROINOX 30/80 M-P	458	–	226	108	–	241	13,5	111	9	300	268	143	–	–	1"	1"				14,5	12
EUROINOX 40/80 M-P	458	–	226	108	–	241	13,5	111	9	300	268	143	–	–	1"	1"				17,5	12

AQUAJET - AQUAJET-INOX
SELFPRIMING AUTOMATIC BOOSTER



DOMESTIC WATER SUPPLY

Automatic water lifting units, suitable for domestic use, small installations for civil, agricultural, industrial use, washing and hobby applications.

The unit is equipped with a JET or JETINOX type self-priming electropump, vessel, pressure switch for automatic operation, pressure gauge, fitting kit between pump and motor, all pre-assembled.

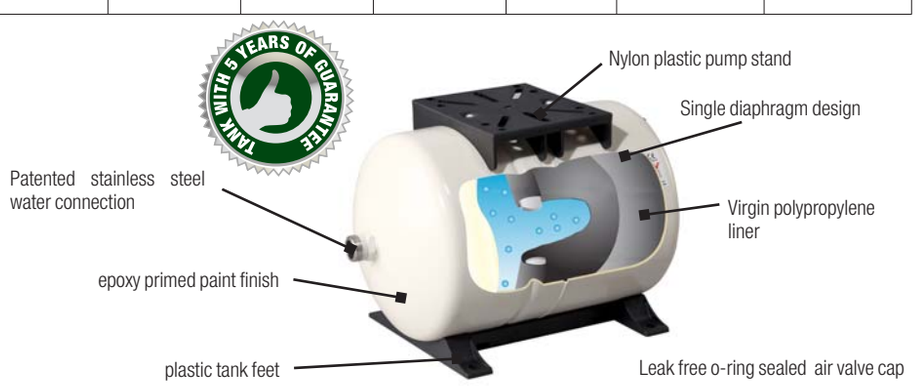
Tank: horizontal, 20 litres capacity type, inner single diaphragm high-grade butyl membrane and virgin polypropylene liner, complete with stands at the bottom and brackets for fixing the pump to the top.

Operating range: up to 5.4 m^3/h with head up to 61 metres
Liquid temperature range:
from 0°C to +35°C for domestic use
from 0°C to +40°C for other use
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C
Maximum working pressure: 8 bar (800 kPa)
Protection level: IP 44 (IP 55 terminal board protection).
Insulation class: F.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
AQUAJET 82 M - G	**60121345**	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
AQUAJET 102 M - G	**60121344**	1x220-240 V ~	1,13	0,75	1	5,1	16	450
AQUAJET 112 M - G	**60141881**	1x220-240 V ~	1,4	1	1,36	6,2	25	450
AQUAJET 92 M - G	**60141882**	1x220-240 V ~	0,94	0,75	1	4,2	14	450
AQUAJET 132 M - G	**60141883**	1x220-240 V ~	1,49	1	1,36	6,6	25	450

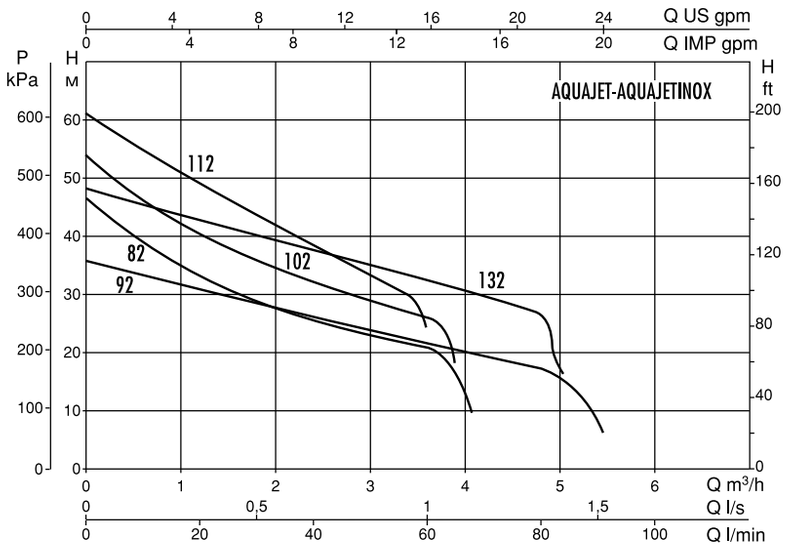




MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
AQUAJET-INOX 82 M - G	60141884	1x220-240 V ~	0,85	0,6	0,8	3,8	12,5	450
AQUAJET-INOX 102 M - G	60141885	1x220-240 V ~	1,13	0,75	1	5,1	16	450
AQUAJET-INOX 112 M - G	60141886	1x220-240 V ~	1,4	1	1,36	6,2	25	450
AQUAJET-INOX 92 M - G	60141887	1x220-240 V ~	0,94	0,75	1	4,2	14	450
AQUAJET-INOX 132 M - G	60141888	1x220-240 V ~	1,49	1	1,36	6,6	25	450

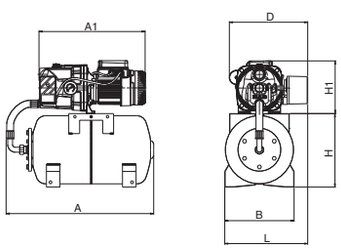
DAB PUMPS reserves the right to make modifications without notice

AQUAJET - AQUAJET-INOX
SELFPRIMING AUTOMATIC BOOSTER

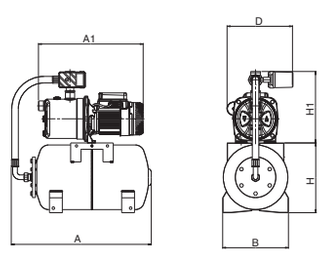


DIMENSIONS AND WEIGHTS

AQUAJET



AQUAJET-INOX



MODEL	A	A1	B	D	H	H1	L	PACKAGING DIMENSIONS			Ø		WEIGHT KG	Q.TY x PALLET
								L/A	L/B	H	DNA	DNM		
AQUAJET 82 M - G	482	390	289	288	289	239	320	566	360	510	1"	1"	18,2	12
AQUAJET 102 M - G	482	409	289	293	289	239	320	566	360	510	1"	1"	20,0	12
AQUAJET 112 M - G	482	409	289	293	289	239	320	566	360	510	1"	1"	21,0	12
AQUAJET 92 M - G	482	390	289	288	289	239	320	566	360	510	1"	1"	19,2	12
AQUAJET 132 M - G	482	409	289	293	289	239	320	566	360	510	1"	1"	21,0	12
AQUAJET-INOX 82 M - G	482	406	289	-	289	276	-	566	360	590	1"	1"	15,3	12
AQUAJET-INOX 102 M - G	482	424	289	260	289	276	-	566	360	590	1"	1"	17,1	12
AQUAJET-INOX 112 M - G	482	424	289	260	289	276	-	566	360	590	1"	1"	18,1	12
AQUAJET-INOX 92 M - G	482	406	289	-	289	276	-	566	360	590	1"	1"	15,3	12
AQUAJET-INOX 132 M - G	482	424	289	260	289	276	-	566	360	590	1"	1"	18,1	12

ACTIVE SYSTEM

ON/OFF AUTOMATIC ELECTRONIC BOOSTER SYSTEMS



ACTIVE J



ACTIVE EI

CE

DOMESTIC WATER SUPPLY

Automatic lifting units, particulary suitable for domestic use, small systems for civil, agricultural and industrial use, washing systems and hobby applications.
They are characterised by the use of:
- self-priming motor-driven pumps JET, JETINOX, JETCOM, EUROINOX that can even work when there are bubbles of air or gas. They are essential for drawing from artesian wells or wherever suction difficulties arise.
The EURO - EUROCOM multistage centrifugal pumps are particularly appropriate for low-noise underwater operation.
The **ACTIVE** system helps increase pressure in systems where it is insufficient or irregular.
The **ACTIVE** system is a built-in, easy-to-install, and ready-to-use device which:
- controls it
- commands it automatically
- controls its operation
- limits starts
- guarantees pressure stability inside the hydraulic circuit.
- electronically controls starting pressure.

FUNCTIONING
The **ACTIVE** system is a dual-control device featuring an electronic circuit which picks up and processes water pressure and flow data, thereby allowing the pump to work in constantly ideal conditions.
Even with a minimum water draw by a user, it starts the pump after system pressure has dropped to the set value, adjustable by the user (1.5 to 2.5 bar).

In the event of system leaks, dripping, overflows or small water draws, the ACTIVE system limits the number of pump starts.
Hammering is eliminated: when water is no longer being taken the motor-driven pump is stopped (delayed) when the flow rate is nil.
If no water is being sucked up the **ACTIVE** system will **trigger stopping the pump from running dry.**
On returned normal functioning conditions, **ACTIVE** automatically restores operation.
The ACTIVE system requires no adjustment or maintenance.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
ACTIVE J 62 M	102690000	1x220-240 V ~	0,720	0,44	0,6	3,12	12,5	450
ACTIVE J 82 M	102690010	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450
ACTIVE J 102 M	102690020	1x220-240 V ~	1,130	0,75	1	5,1	16	450
ACTIVE J 92 M	102690040	1x220-240 V ~	0,940	0,75	1	4,2	14	450
ACTIVE J 132 M	102690050	1x220-240 V ~	1,490	1	1,36	6,6	25	450
ACTIVE JI 82 M	102690210	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450
ACTIVE JI 102 M	102690220	1x220-240 V ~	1,130	0,75	1	5,1	16	450
ACTIVE JI 92 M	102690240	1x220-240 V ~	0,940	0,75	1	4,2	14	450
ACTIVE JI 132 M	102690250	1x220-240 V ~	1,490	1	1,36	6,6	25	450
ACTIVE JC 82 M	102690410	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450
ACTIVE JC 102 M	102690420	1x220-240 V ~	1,130	0,75	1	5,1	16	450

ACTIVE SYSTEM

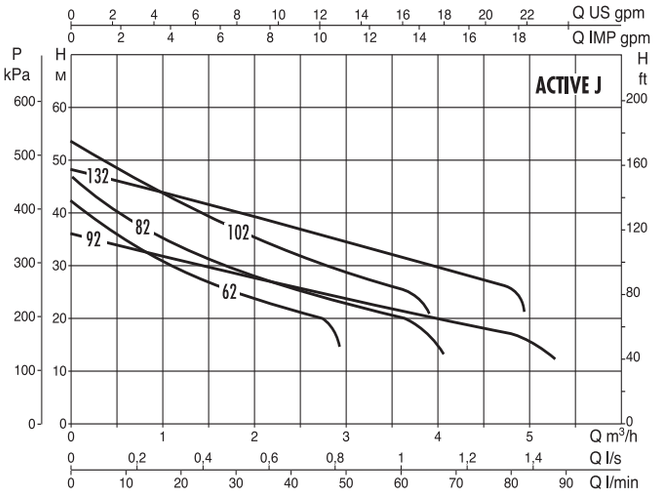
ON/OFF AUTOMATIC ELECTRONIC BOOSTER SYSTEMS

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
ACTIVE JC 132 M	**102690450**	1x220-240 V ~	1,490	1	1,36	6,6	25	450
ACTIVE E 25/30 M	**102690600**	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450
ACTIVE E 30/30 M	**102690610**	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450
ACTIVE E 40/30 M	**102690620**	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
ACTIVE E 30/50 M	**102690630**	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
ACTIVE E 40/50 M	**102690640**	1x220-240 V ~	1,200	0,8	1,1	5,3	25	450
ACTIVE EI 25/30 M	**102690800**	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450
ACTIVE EI 30/30 M	**102690810**	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450
ACTIVE EI 40/30 M	**102690820**	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
ACTIVE EI 30/50 M	**102690830**	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
ACTIVE EI 40/50 M	**102690840**	1x220-240 V ~	1,200	0,8	1,1	5,3	25	450
ACTIVE EI 25/80 M	**102690860**	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
ACTIVE EI 30/80 M	**102690870**	1x220-240 V ~	1,200	0,8	1,1	5,3	25	450
ACTIVE EC 30/30 M	**102691010**	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450
ACTIVE EC 40/50 M	**102691040**	1x220-240 V ~	1,200	0,8	1,1	5,3	25	450
ACTIVE EC 30/80 M	**102691070**	1x220-240 V ~	1,200	0,8	1,1	5,3	25	450

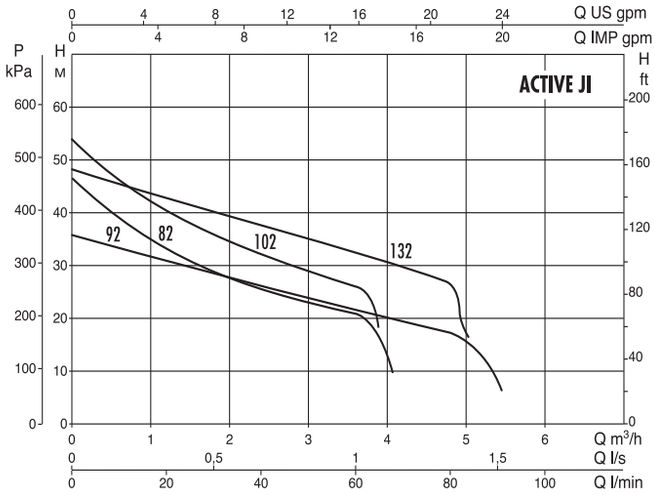
ACTIVE SYSTEM

ON/OFF AUTOMATIC ELECTRONIC BOOSTER SYSTEMS

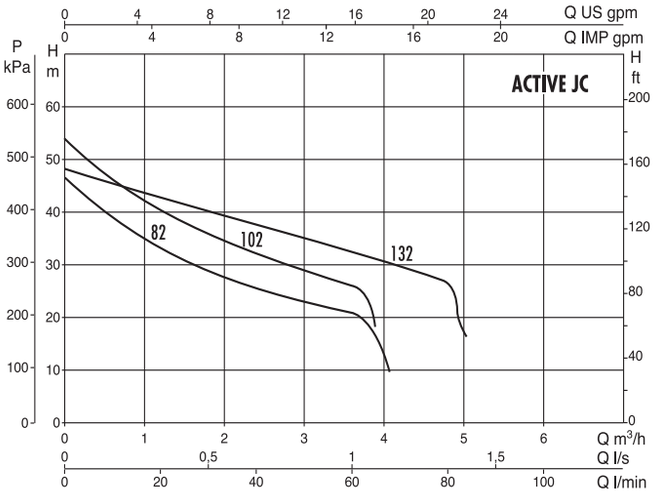
ACTIVE J



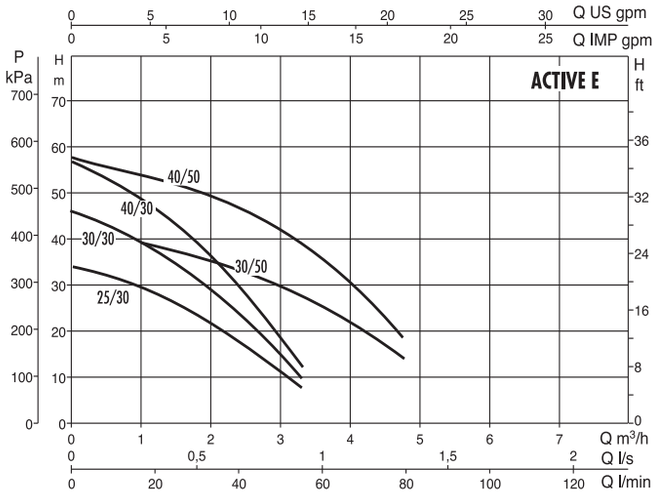
ACTIVE JI



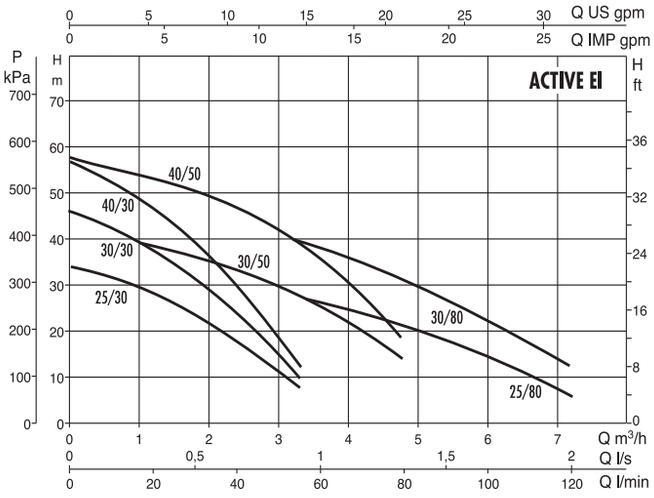
ACTIVE JC



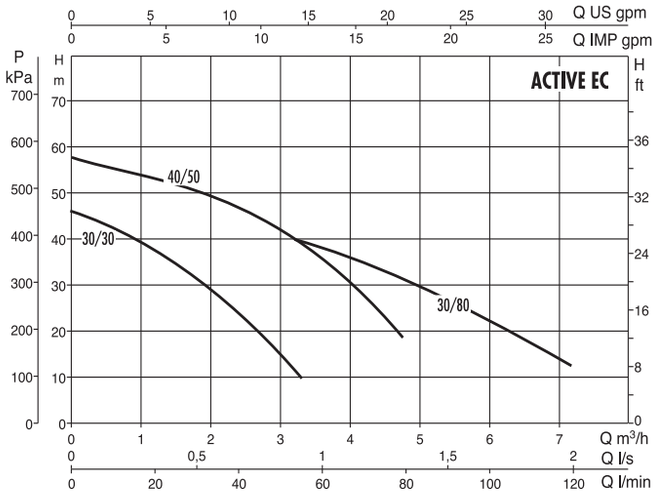
ACTIVE E



ACTIVE EI



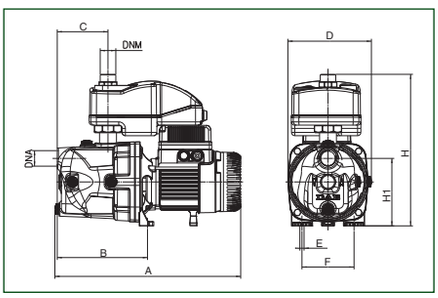
ACTIVE EC



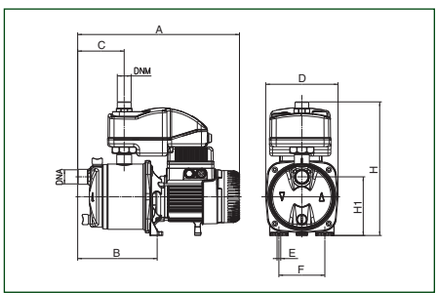
ACTIVE SYSTEM

ON/OFF AUTOMATIC ELECTRONIC BOOSTER SYSTEMS

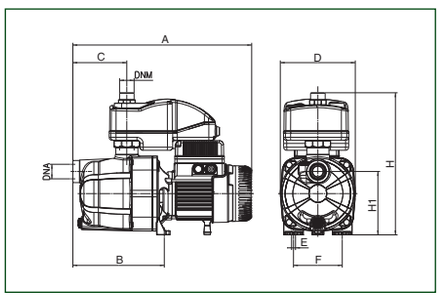
ACTIVE J



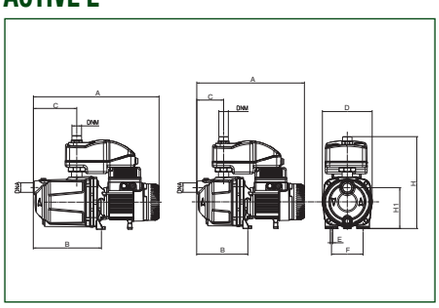
ACTIVE JI



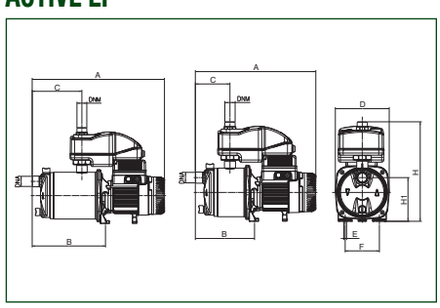
ACTIVE JC



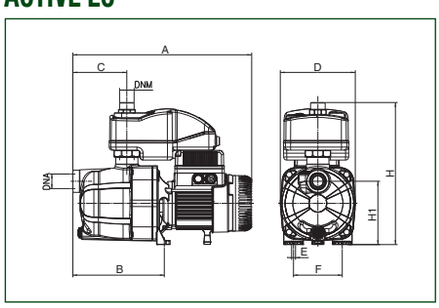
ACTIVE E



ACTIVE EI



ACTIVE EC



MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
											L/A	L/B	H		
ACTIVE J 62 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	10,50	14
ACTIVE J 82 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	13,20	14
ACTIVE J 102 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	12,50	14
ACTIVE J 92 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	11,70	14
ACTIVE J 132 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	13,50	14
ACTIVE JI 82 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	10,70	14
ACTIVE JI 102 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	12,50	14
ACTIVE JI 92 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	11,70	14
ACTIVE JI 132 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	13,50	14
ACTIVE JC 82 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	10,70	14
ACTIVE JC 102 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	12,50	14
ACTIVE JC 132 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	13,50	14
ACTIVE E 25/30 M	377	180	94	175	9	111	322	144	1" G	1" G	476	234	348	10,90	14
ACTIVE E 30/30 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	12,90	14
ACTIVE E 40/30 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	13,00	14
ACTIVE E 30/50 M	377	180	94	175	9	111	322	144	1" G	1" G	476	234	348	11,70	14
ACTIVE E 40/50 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	15,60	14
ACTIVE EI 25/30 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	10,90	14
ACTIVE EI 30/30 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	13,50	14
ACTIVE EI 40/30 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	14,00	14
ACTIVE EI 30/50 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	10,00	14
ACTIVE EI 40/50 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	15,50	14
ACTIVE EI 25/80 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	9,50	14
ACTIVE EI 30/80 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	15,50	14
ACTIVE EC 30/30 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	9,00	14
ACTIVE EC 40/50 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	11,00	14
ACTIVE EC 30/80 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	11,00	14

BOOSTER SILENT

ON/OFF AUTOMATIC ELECTRONIC BOOSTER SYSTEMS



DOMESTIC WATER SUPPLY

The world's quietest (67 dB) multi-impeller (3-4-5) self-priming pumps, with integral electronics for water supplies in homes and gardens.

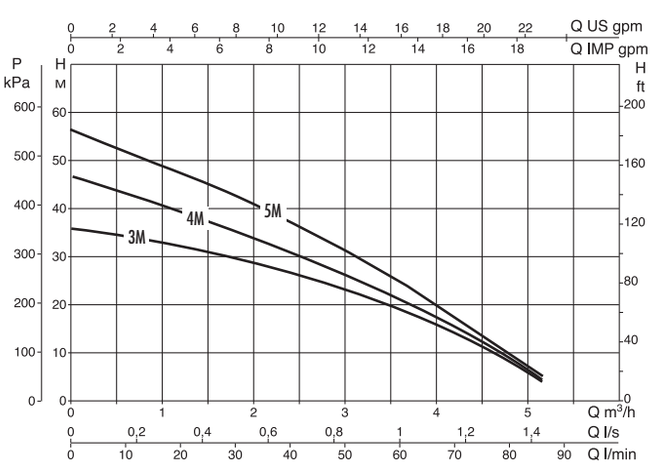
Equipped with an electronic safety device to prevent dry running.
Integral check valve on suction.

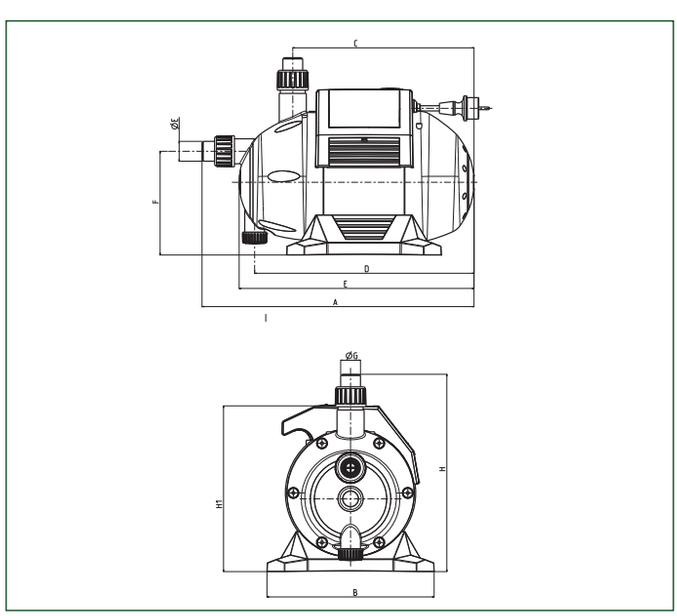
Automatic Starting and Stopping when tap is turned on or turned off.
Manual and automatic reset

Supplied complete with power cable and plug.
Supplied with 2 l tank.

TECHNICAL DATA

MODEL	CODE	N° IMPELLER	ELECTRICAL DATA				
			VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A
					kW	HP	
BOOSTER SILENT 3 M	**60122696**	3	1 x 230 V ~	0,8	0,55	0,75	3,7
BOOSTERSILENT 3 M 1,5 BAR	**60141493**	3	1 x 230 V ~	0.8	0,55	0,5	3,7
BOOSTER SILENT 4 M	**60122698**	4	1 x 230 V ~	1	0,75	1	4,7
BOOSTER SILENT 5 M	**60122699**	5	1 x 230 V ~	1,25	1	1,36	5,7





MODEL	A	B	C	D	E	F	ØG	H	H1	PACKAGING DIMENSIONS			WEIGHT Kg	Q.TY x PALLET
										L/A	L/B	H		
BOOSTER SILENT 3 M	455	280	305	370	395	175	33	330	280	480	300	470	11,5	18
BOOSTER SILENT 3 M 5 bar	455	280	305	370	395	175	33	330	280	480	300	470	11,5	18
BOOSTER SILENT 4 M	455	280	305	370	395	175	33	330	280	480	300	470	11,5	18
BOOSTER SILENT 5 M	455	280	305	370	395	175	33	330	280	480	300	470	11,5	18

JET - EURO CON ACTIVE DRIVER

AUTOMATIC BOOSTER SYSTEM WITH INVERTER



CE

DOMESTIC WATER SUPPLY

Automatic water lifting units, particularly suitable for domestic use, small installations for civil, agricultural, industrial use, washing and hobby applications.
The units are characterised by the use of JET, JETINOX, JETCOM and EUROINOX self-priming pumps **coupled directly to the device Active Driver**.
Active Driver is an innovative integrated variable speed control system capable of maintaining constant pressure in relation to flow rate variations. The operating pressure can be adjusted and the various settings and related error warnings can be viewed, thanks to a simple and immediate user interface.
Active Driver is made up of: an inverter, a pressure sensor and a flow sensor.

Liquid temperature range:
from 0°C to 35°C (for domestic use)
from 0°C to +40°C (for other uses)

Pumped liquid:
clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Supplied as standard with 2L expansion vessel plus coupling.

ACTIVE DRIVER
PAG. 2

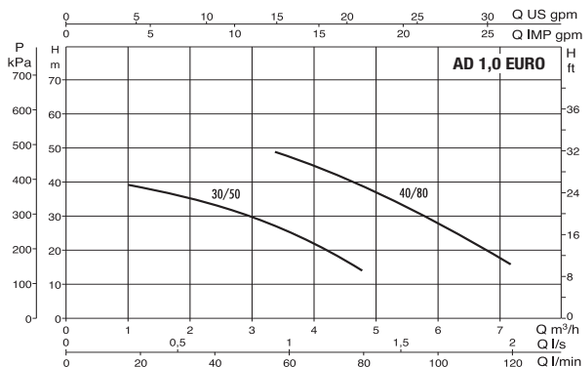
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
AD M/M JET 82 M	60122712	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450
AD M/M JET 132 M	60116735	1x220-240 V ~	1,490	1,0	1,36	6,6	25	450
AD M/M JETINOX 82 M	60122713	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450
AD M/M JETINOX 132 M	60122714	1x220-240 V ~	1,490	1,0	1,36	6,6	25	450
AD M/M JETCOM 82 M	60122715	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450
AD M/M JETCOM 132 M	60118199	1x220-240 V ~	1,490	1,0	1,36	6,6	25	450
AD M/M EURO 30/50 M	60122716	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
AD M/M EURO 40/80 M	60122717	1x220-240 V ~	1,480	1,0	1,36	6,3	25	450
AD M/M EUROINOX 30/50 M	60122718	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
AD M/M EUROINOX 40/80 M	60116734	1x220-240 V ~	1,480	1,0	1,36	6,3	25	450
AD M/M EUROCOM 30/50 M	60122719	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450
AD M/T EURO 30/50 M	502971030	1x220-240 V ~	0,880	0,55	0,75	3,9	-	-
AD M/T EURO 40/80 M	502971080	1x220-240 V ~	1,480	1,0	1,36	6,3	-	-
AD M/T EUROINOX 30/50 M	502971230	1x220-240 V ~	0,880	0,55	0,75	3,9	-	-
AD M/T EUROINOX 40/80 M	502971280	1x220-240 V ~	1,480	1,0	1,36	6,3	-	-

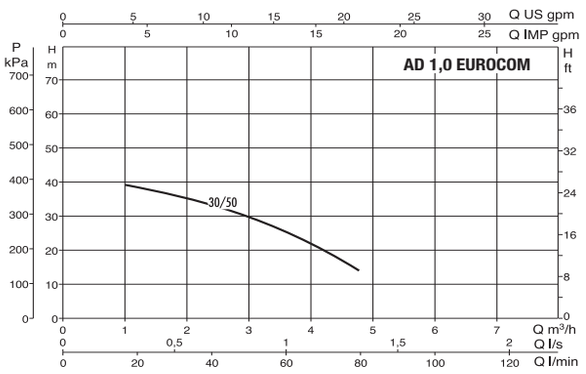
JET - EURO CON ACTIVE DRIVER

AUTOMATIC BOOSTER SYSTEM WITH INVERTER

AD 1.0 EURO - AD 1.0 EUROINOX

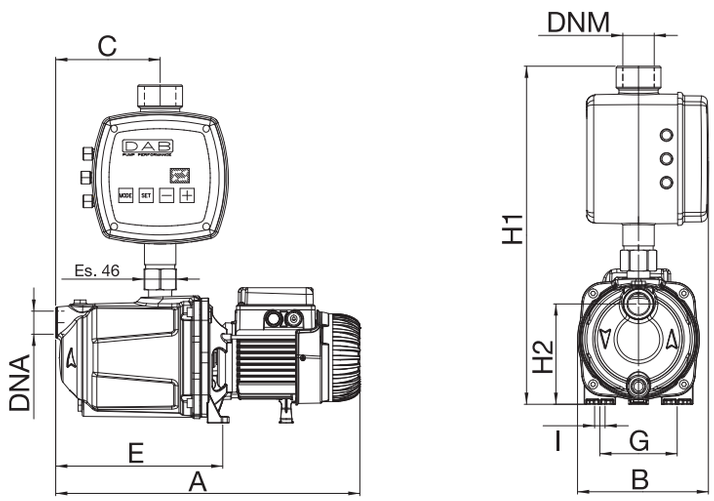


AD 1.0 EUROCOM



DIMENSIONS AND WEIGHTS

AD 1.0 JET - AD 1.0 EURO



MODEL	A	B	C	E	G	I	H1	H2	DNA	DNM	WEIGHT Kg	Q.TY x PALLET
AD1.0 M/M JET 82M	395	185	108	192	111	9	485	144	1" G	1"1/2 G	15,9	12
AD1.0 M/M JET 132M	414	185	108	192	111	9	485	144	1" G	1"1/2 G	18,8	12
AD1.0 M/M JETINOX 82M	406	187	122	207	111	9	502	144	1" G	1"1/2 G	13,2	12
AD1.0 M/M JETINOX 132M	424	187	122	207	111	9	502	144	1" G	1"1/2 G	16,2	12
AD1.0 M/M JETCOM 82M	406	185	122	208	111	9	503	144	1" G	1"1/2 G	10,7	12
AD1.0 M/M JECOM 132M	425	185	122	208	111	9	503	144	1" G	1"1/2 G	16,1	12
AD1.0 M/M EURO 30/50M	378	187	95	235	111	9	485	144	1" G	1"1/2 G	16,8	12
AD1.0 M/M EURO 40/80M	452	187	150	235	111	9	485	144	1" G	1"1/2 G	21,6	12
AD1.0 M/M EUROINOX 30/50M	384	187	108	186	111	9	503	144	1" G	1"1/2 G	14,4	12
AD1.0 M/M EUROINOX 40/80M	458	187	166	241	111	9	503	144	1" G	1"1/2 G	17,4	12
AD1.0 M/M EUROCOM 30/50M	406	185	122	208	111	9	503	144	1" G	1"1/2 G	9,3	12

NBB

MOUNTING KIT FOR WATER COLLECTION AND PRESSURIZATION



CE

DOMESTIC WATER SUPPLY

NBB is the solution for a domestic pressurizing system.
The basic concept is is the modularity of its components such as :
the NBB TANK KIT, the submerged or the surface pump, the inverter (in case the pump is without integrated electronics) and an assembling kit including the expansion tank (where this is not integrated in the pump itself).
In all its different configuration the NBB is characterized by its compact dimension , great comfort and, in the version with inverter, also by an important aspect in terms of energy saving.

NBB TANK KIT consists of:
- 280 Lt. tank suitable for potable water compliant with the european norms EN1717 e EN13077
- Equipped with Filling valve and overflow valve
- Protection grid

Choosing the ADDITIONAL TANK KIT, consisting of a 280 liter tank, the junction elbow plus gasket and a belt, it's possible to double the capacity of the system.

In addition to the NBB it is necessary to chose the assembling kit corresponding to the type of pump (or pump with inverter) to be utilized.
The pump to be installed , as well as the inverter, are not included in the kit and must be order separately.

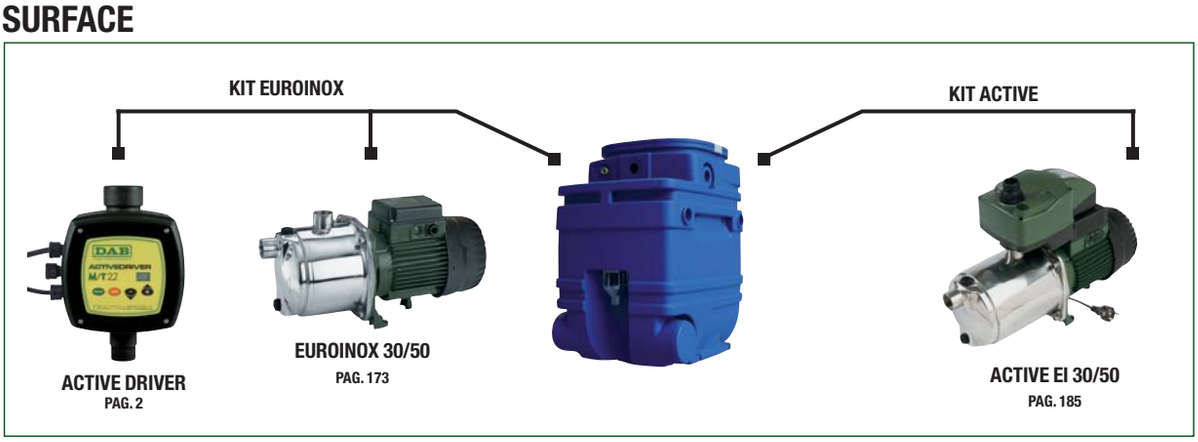
the installation kit comprehends all the accessories necessary for the installation of the pump (or the inverter) to the NBB TANK KIT
For the PULSAR and EUROINOX installation kits. also a 4 liter expansion tank is included.

ACTIVE DRIVER
PAG. 2

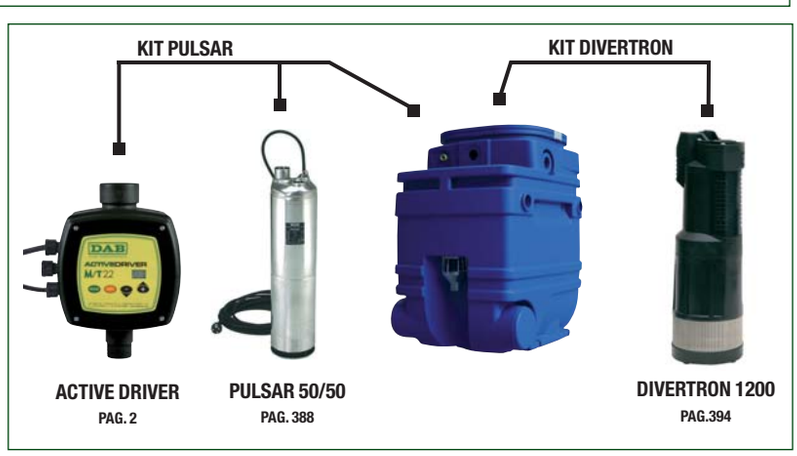
MODEL	CODE
KIT NBB - WRAS TANK 280 LT.	60149355
KIT ACTIVE FOR NBB	60116646
KIT EUROINOX FOR NBB	60123882
KIT PULSAR FOR NBB	60116638
KIT DIVERTRON FOR NBB	60123662
KIT ADDITIONAL TANK	60123556

Ilnsatallation kit are designed for exclusive use with pump models specified below

SURFACE







SUBMERSIBLE

AQUAPROF

RAIN WATER SYSTEM



CE

DOMESTIC WATER SUPPLY

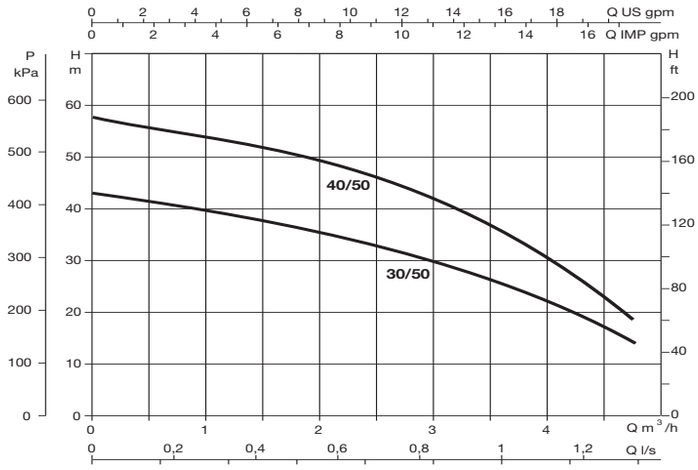
Aquaprof is a complete and pre-assembled system for using rainwater in one or two-family houses. The system comprises a recyclabe polyethilene console, a completely automatic electronic control unit, three-way automatic valve and electropump Eurolnox 30/50 M or Eurolnox 40/50 M series. Supplied with wall bracket as a standard and float switch with 20 mt of cable for Aquaprof Basic version, or probe sensor level with 20 mt. of cable for Aquaprof TOP.

Protection Level: IP 42
Working ambient temperature:
min. +5°C - max. +40°C
Max. Flow: 80 lt/min.
Max. Head: 42,2 m. (Aquaprof 30/50)
57,7 m. (Aquaprof 40/50)
Liquid temperature range: from + 5°C up to +35°C
Max. Working pressure of the system: 6 bar (600kPA)
Max. Pressure of main supply line: 4 bar (400kPA)
Max. Height of working uses: 15 meters
Potable water connector: 3/4"
Pump suction and delivery ports 1"

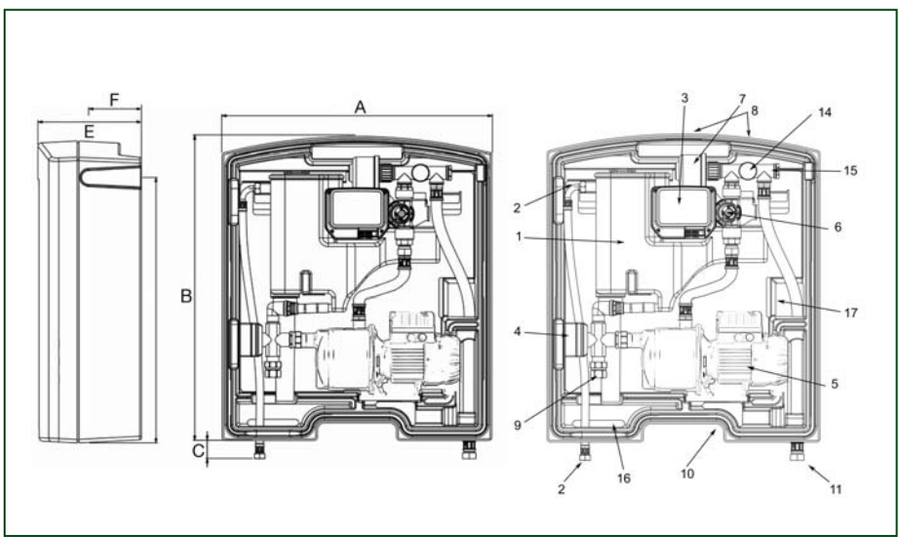
TECHNICAL DATA

MODEL	CODE	N° IMPELLER	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
AQUAPROF BASIC 30/50	503150200	3	1x220-240 V ~	0,88	0,55	0,75	3,9	12,5	450
AQUAPROF BASIC 40/50	503150210	4	1x220-240 V ~	1,2	0,75	1	5,3	20	450
AQUAPROF TOP 30/50	503150300	3	1x220-240 V ~	0,88	0,55	0,75	3,9	12,5	450
AQUAPROF TOP 40/50	503150310	4	1x220-240 V ~	1,2	0,75	1	5,3	20	450





DIMENSIONS AND WEIGHTS



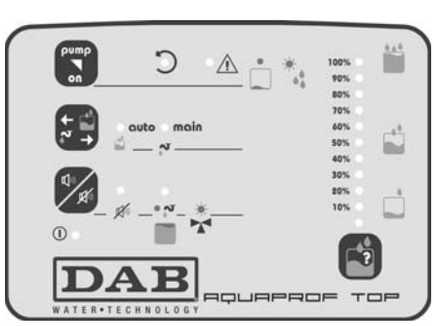
1.mains water tank
2.mains water inlet
3.control panel
4.3-way valve
5.pump
6.pump hydraulic control system
7.anti-dripping plenum
8.hot air outlet
9.rain water suction
10.pump cooling air intake
11.pressurised water outlet
12.rear casing
13.emergency overflow
14.pressure gauge
15.horizontal outlet
16.pipes and electrical cable opening
17.delivery pipe opening
18.pump filler plug

MODEL	A	B	C	D	E	F	WEIGHT KG	Q.TY x PALLET
AQUAPROF BASIC 30/50	750	850	50,5	747	290	148	28	3
AQUAPROF BASIC 40/50	750	850	50,5	747	290	148	32	3
AQUAPROF TOP 30/50	750	850	50,5	747	290	148	28	3
AQUAPROF TOP 40/50	750	850	50,5	747	290	148	32	3

CONTROL PANEL



AQUAPROF BASIC



AQUAPROF TOP

ACTIVE SWITCH

RAIN WATER SYSTEM



CE

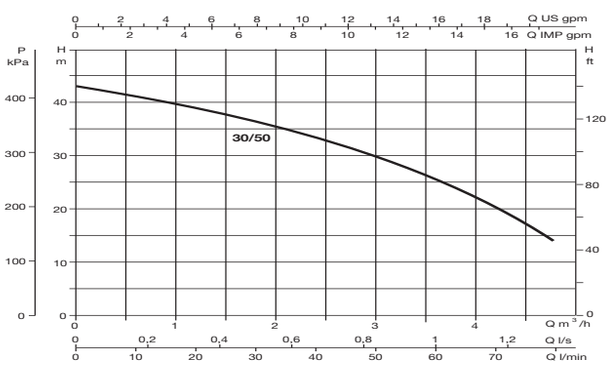
DOMESTIC WATER SUPPLY

Active Switch is a complete and pre-assembled system for using rainwater in one or two-family houses. The system comprises a recyclabe polyethilene tank, an automatic pump Active EI 30/50 M serie and a three-way automatic valve assembled on suction port of the pump.
The system has been designed to be wall-mounted. Supplied with wall bracket and float swich, with 20 mt. of cable, as a standard
Working ambient temperature: min +5°C - max +40°C
Max. Flow: 80 l/min
Max. Head: 42,2 m

Liquid temperature range: from +5°C up +35°C
Max. Working pressure of the system: 6 bar (600kPA)
Max. Pressure of main supply line: 4 bar (400kPA)
Max. Height of working uses: 15 meters
Potable water connector: 3/4"
Pump suction and delivery ports: 1"

TECHNICAL DATA

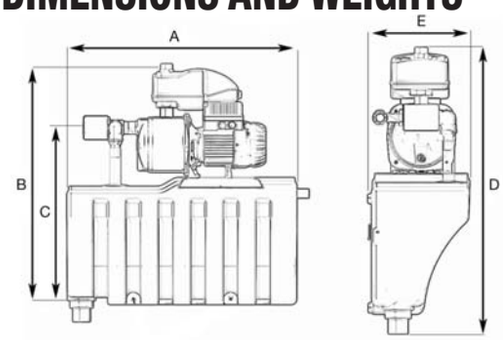
MODEL	CODE	N° IMPELLER	ELECTRICAL DATA						
			VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
ACTIVE SWITCH 30/50 M	503150100	4	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450

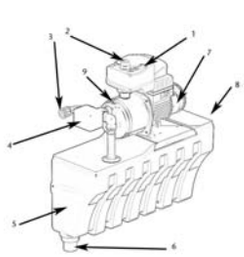


CONTROL PANEL



DIMENSIONS AND WEIGHTS





1. pump control panel
2. pressurised water outlet
3. recovery tank suction
4. 3-way valve
5. mains water collection tank
6. trap overflow
7. pump
8. mains water inlet
9. pump filler plug

MODEL	A	B	C	D	E	WEIGHT KG	Q.TY x PALLET
ACTIVE SWITCH 30/50	650	666,5	501,5	731,5	260	18	4

EUROSWIM

SWIMMING POOL CENTRIFUGAL PUMPS

FILTRATION SYSTEM IN THE PUBLIC AND PRIVATE POOL , INDUSTRIAL APPLICATIONS



ENERGY EFFICIENCY IE2

High efficiency self-priming centrifugal pumps with built-in large capacity prefilter. Extremely quiet running and great reliability, developed for water circulation and filtration in domestic and residential swimming pools. Suitable also for special applications that call for handling of aggressive liquids, in fish farms, agriculture and industry. Pump body in fibreglass reinforced technopolymer. Strainer cover in clear antioxidant polycarbonate to guarantee constant visibility through time. Nylon strainer. Impeller in fibreglass-reinforced technopolymer developed to ensure total coverage and isolation of the motor shaft from the pumped liquid. Diffuser in reinforced technopolymer. Mechanical seal in carbon / alumina / NBR / AISI 316. Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304. Butterfly drain plugs that can be removed and refitted without tools.

Asynchronous continuous duty 2-pole motor (S1) with generous range of power ratings from 0.5 HP to 3 HP, single phase and three-phase (see technical specifications). Motor casing in die cast aluminium with electrophoresic surface treatment to prevent oxidation even in aggressive environmental conditions. Baseplate supplied as standard with rubber mounts to reduce vibration transmission.

Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.

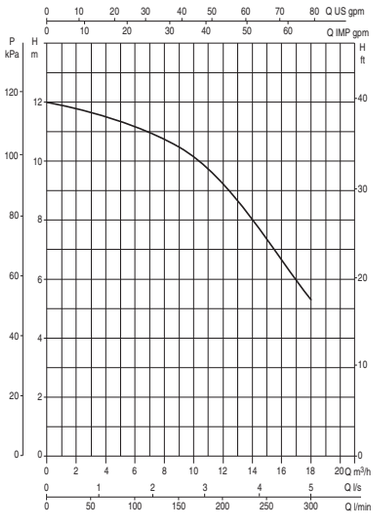
Motor and terminal box protection rating: IP55
Insulation class: F
Ball bearings:
water-proof, sealed, resistant to water and humidity.
Motor construction to EN 60335-2-41 standards
Standard voltage: Single phase 220-240V 50Hz
Three-phase 230/400V 50Hz
Operating range: up to 42 m^3/h with pressure head of up to 22 m
Pumped fluid: clean water or water slightly contaminated with suspended particulate, long fibre; highly aggressive water with high percentage contents of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolytic process.
Liquid temperature range: up to 60°C
Maximum ambient temperature: +50°C
Maximum operating pressure: 2,5 bar
Installation: fixed or portable in horizontal position
Special executions on request: alternative voltages and/or frequencies
Fittings on request: 2"/50 - 63 kit (two fittings + O-ring - see "Accessories")
Reference standard: IEC – 60364

TECHNICAL DATA

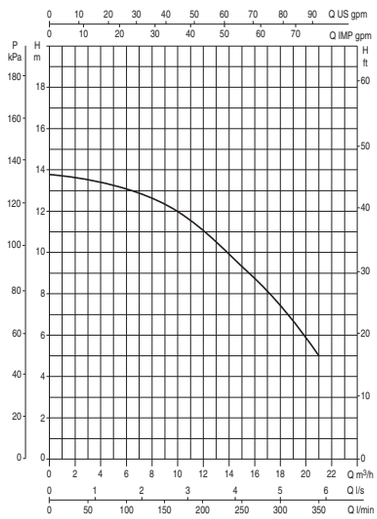
MODEL	CODE	ELECTRICAL DATA							MAX NOISE LEVEL dB (A)
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A	CAPACITOR		
				kW	HP		µF	Vc	
EUROSWIM 50 M	60118028	1x220-240 V ~	900	0,33	0,5	4,2	16	450	53
EUROSWIM 75 M	60118029	1x220-240 V ~	1000	0,5	0,75	5	20	450	56
EUROSWIM 75 T*	60145192	3x230-400 V ~	950	0,5	0,75	3,5 / 2	–	–	56
EUROSWIM 100 M	60118030	1x220-240 V ~	1300	0,75	1	6,3	25	450	57
EUROSWIM 100 T*	60145258	3x230-400 V ~	1200	0,75	1	4 / 2,4	–	–	57
EUROSWIM 150 M	60118032	1x220-240 V ~	1600	1,1	1,5	7	31,5	450	59
EUROSWIM 150 T*	60146030	3x230-400 V ~	1500	1,1	1,5	5 / 2,9	–	–	59
EUROSWIM 200 M	60118033	1x220-240 V ~	1900	1,5	2	8,6	40	450	62
EUROSWIM 200 T*	60146035	3x230-400 V ~	1900	1,5	2	6 / 3,5	–	–	62
EUROSWIM 300 M	60122213	1x220-240 V ~	2800	2,2	3	12	40	450	64
EUROSWIM 300 T*	60146024	3x230-400 V ~	2800	2,2	3	8,7 / 5	–	–	64

*** NEW IE2 MOTOR**

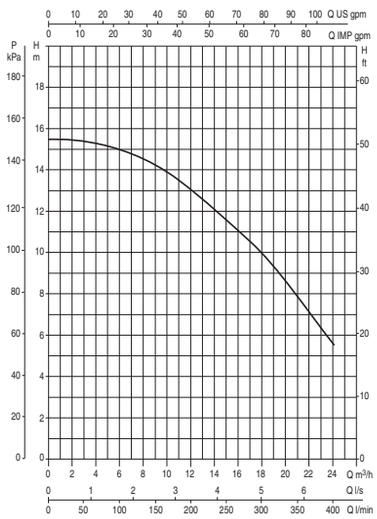
EUROSWIM 50



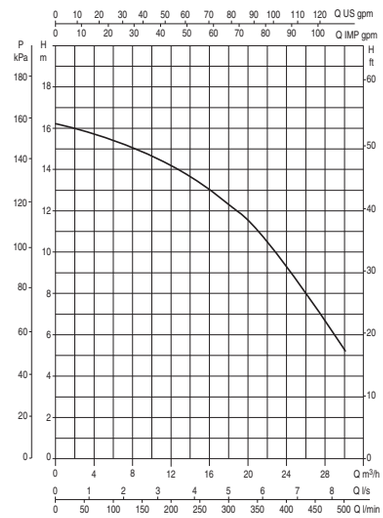
EUROSWIM 75



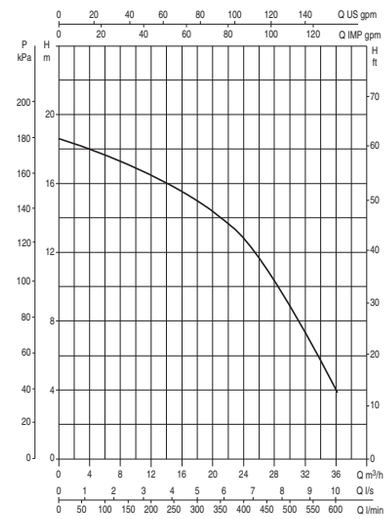
EUROSWIM 100



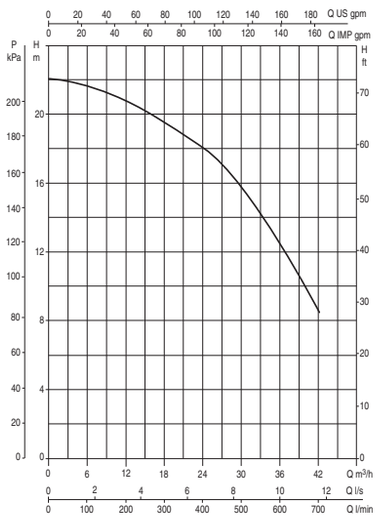
EUROSWIM 150



EUROSWIM 200

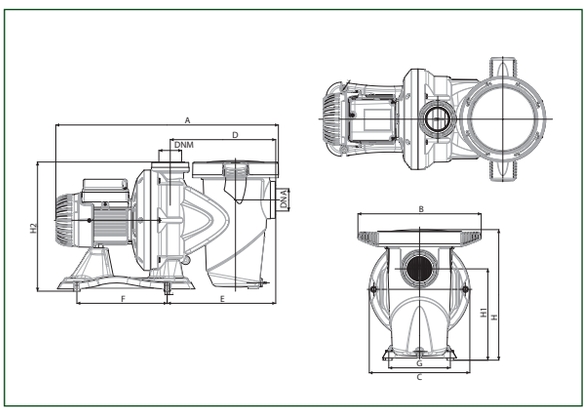


EUROSWIM 300

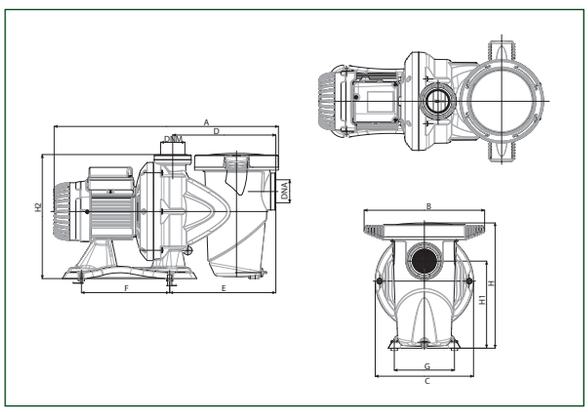


EUROSWIM
SWIMMING POOL CENTRIFUGAL PUMPS

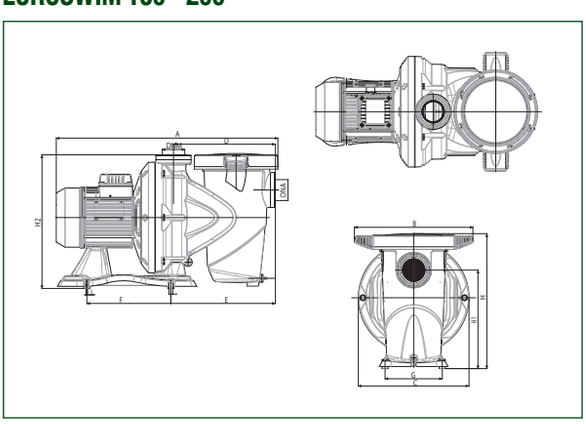
EUROSWIM 50



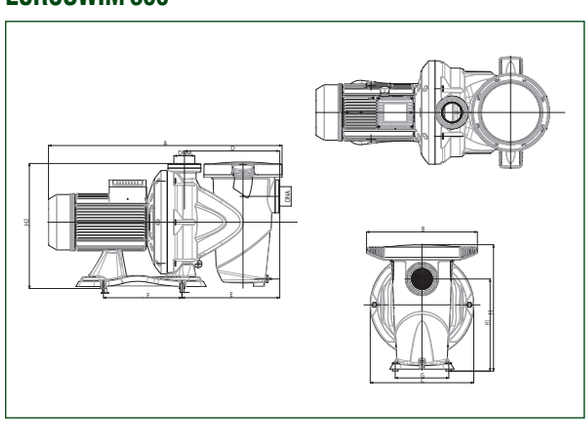
EUROSWIM 75 - 100



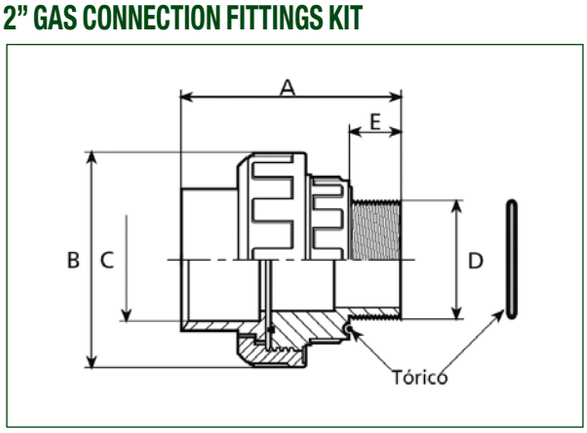
EUROSWIM 150 - 200



EUROSWIM 300



2" GAS CONNECTION FITTINGS KIT



MODEL	A	B	C	D	E	F	G	H	H1	H2	I	L	DNA GAS	DNM GAS	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
															L	B	H		
EUROSWIM 50 M	536	242	242	257	265	220	150	351	222	314	11	6,5	2"	2"	600	360	400	11,1	8
EUROSWIM 75 M	552	242	245	257	265	220	150	351	222	314	11	6,5	2"	2"	600	360	400	12,1	8
EUROSWIM 75 T	552	242	245	257	265	220	150	351	222	314	11	6,5	2"	2"	600	360	400	12,1	8
EUROSWIM 100 M	552	242	245	257	265	220	150	351	222	314	11	6,5	2"	2"	600	360	400	13,8	8
EUROSWIM 100 T	552	242	245	257	265	220	150	351	222	314	11	6,5	2"	2"	600	360	400	13,8	8
EUROSWIM 150 M	574	250	290	267	274	220	150	387	258	350	11	6,5	2"	2"	720	350	430	17,9	6
EUROSWIM 150 T	574	250	290	267	274	220	150	387	258	350	11	6,5	2"	2"	720	350	430	16,7	6
EUROSWIM 200 M	648	250	290	267	274	220	150	387	258	350	11	6,5	2"	2"	720	350	430	20	6
EUROSWIM 200 T	574	250	290	267	274	220	150	387	258	350	11	6,5	2"	2"	720	350	430	17,6	6
EUROSWIM 300 T	648	252	290	267	274	220	150	387	258	350	11	6,5	2"	2"	720	350	430	19,9	6
2" GAS FITTINGS KIT	99	99	50/63	2"	20	-	-	-	-	-	-	-	-	-	-	-	-	23,9	6

EUROCOVER

SUBMERSIBLE SWIMMING POOL PUMPS



CE

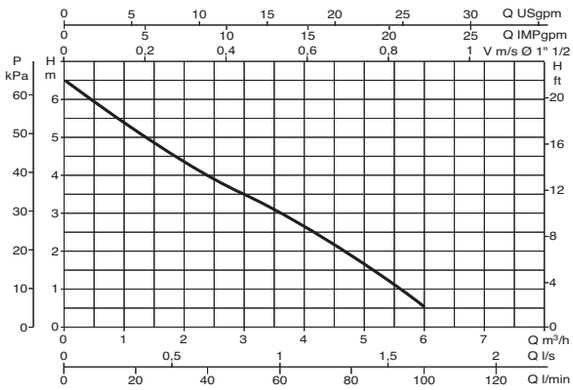
SWIMMING POOL COVER DRAINAGE

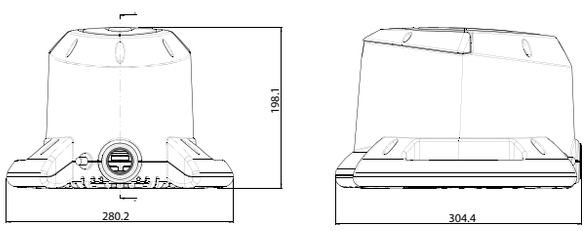
Totally automatic submersible electric pump, with wide support base specially designed to increase stability and to offer the possibility to operate also in positions which are not perfectly perpendicular to the ground.
Suitable for use during the winter period above the pool covers, to remove rainwater and avoid damage to the cover due to the excessive weight of the accumulated water.
Electric pump made of resistant thermoplastic material.
Motor, shaft, bolts and screws in stainless steel.
Triple interposed ring seal with oil precombustion chamber.
Incorporated float for automatic operation.
Submersible with continuous duty asynchronous motor.
Stator positioned in stainless steel enclosure with cap to cover wiring and capacitor

Protection rating: IP68
Insulation class: F
Input voltage: 230V - 50Hz single phase
Supplied with 10m cable and Schuko plug / 10 m rope for positioning on sheets
Multi-hose fitting with clapet valve
Operating range: From 0.5 to 6 m³/h with head up to 6.5 m
Liquid temperature range: From 0 to 35 °C (EN 60335-2-41)
Installation: fixed or portable in vertical position (max. inclination 10°)
Particle size: 5 mm
Automatic start/stop: start 55 mm - stop 35 mm

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		CAPACITOR	
				kW	HP	µF	Vc
EUROCOVER	**60115704**	230 V ~	250	0,22	0,3	8	-





MODEL	A	B	C	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
				L	B	H		
EUROCOVER	542	300	245	290	230	320	4,6	36

JETCOM SP - EUROCOM SP
PUMPS FOR SWIMMING POOL

ENERGY EFFICIENCY IE2

CE

SWIMMING POOL WATER SUPPLY



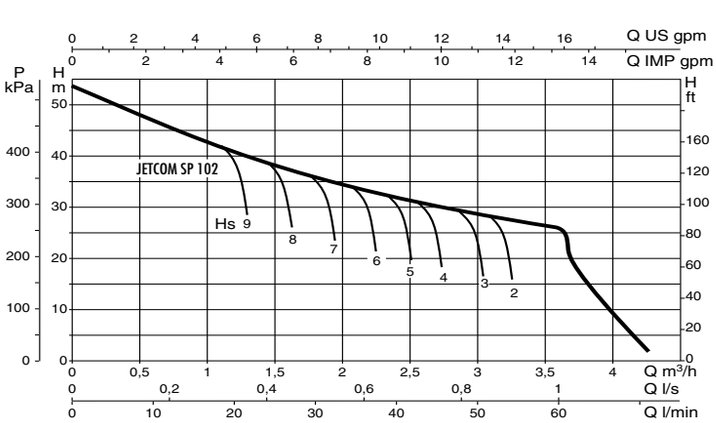
Self-priming centrifugal (Jetcom) or multistage (Eurocom) pump with excellent suction capacity even when there are air bubbles. Suitable for use with water containing small sand impurities. Especially suitable for water supplies in domestic systems: handling of aggressive water in general with chlorine contents (swimming pools). Pump body in technopolymer.
Support and seal-carrier in AISI 316 STAINLESS STEEL.
Carbon/ceramic mechanical seal.
Rotor shaft in AISI 316 STAINLESS STEEL.
Impellers, diffuser, Venturi tube, and sand guard in technopolymer. Clearance rings in stainless steel.
Continuous duty asynchronous motor.
Built-in motor overload cut out and a capacitor permanently on in the single-phase version.
Protection for the three-phase version is the responsibility of the user.

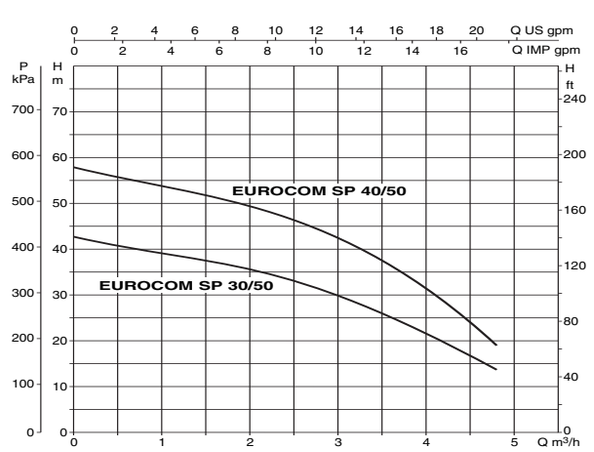
Motor protection level: IP 44
Terminals protection level: IP 55
Insulation class: F
Standard voltage:
220/240V - 50 Hz single-phase
230/400V - 50 Hz three-phase
Operating range: from 10 to 80 l/min with head of up to 58 m depending on the model
Liquid quality requirements: clean, free of solid or abrasive contaminants, swimming pool water (containing chlorine).
Liquid temperature range:
from 0°C to +35°C for domestic use (EN 60335-2-41)
from 0°C to +40°C for other uses.
Maximum ambient temperature: +40°C
Maximum operating pressure: 6 bar (600 kPa)
Installation: fixed or portable in horizontal position

TECHNICAL DATA

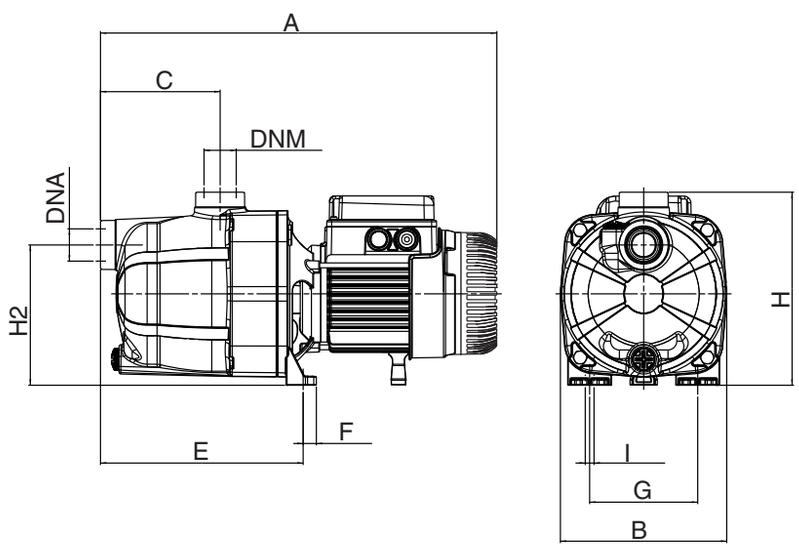
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JETCOM 102 SP M	**102676030**	1x220-240 V ~	1,13	0,75	1	5,1	16	450
EUROCOM SP 30/50 M	**102966260**	1x220-240 V ~	880	0,55	0,75	3,9	12,5	450
EUROCOM SP 30/50 T	**102966270**	3x230-400 V ~	870	0,55	0,75	2,8-1,6	–	–
EUROCOM SP 40/50 M	**102966280**	1x220-240 V ~	1200	0,75	1	5,3	20	450
EUROCOM SP 40/50 T*	**60145281**	3x230-400 V ~	1180	0,75	1	3,8-2,2	–	–

*** NEW IE2 MOTOR**





DIMENSIONS AND WEIGHTS



MODEL	A	B	C	E	F	G	IØ / 4 HOLES	H	H1	DNA GAS	DNM GAS	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
												L/A	L/B	H		
JETCOM SP 102	425	170	122	208	14	111	9	203	144	1"	1"	470	240	240	9,5	28
EUROCOM SP 30/50	406	170	122	208	14	111	9	198	144	1"	1"	470	240	240	8,8	28
EUROCOM SP 40/50	425	170	122	208	14	111	9	203	144	1"	1"	470	240	240	11,3	28

E-BOX
CONTROL PANEL



CE

SUBMERSIBLE PUMPS/ PRESSURE PUMPS

SUBMERSIBLE PUMPS
- Ideal for filling/draining stations
- designed for Single-phase and three-phase pumps
- Working with float switches (max.5)
- Working with level probes (max.5)
- Working with depths sensors(0-10V / 4...20mA)
- Amperometric protection
- Exchange of the pumps starting order (each start)

PRESSURE PUMPS
- Ideal to drive 2 pumps booster sets
- designed for Single-phase and three-phase pumps
- Working with pressure switches (max. 4)
- Working with depths sensors (0-10V / 4...20mA)
- Amperometric protection
- Exchange of the pumps starting order (each start)

TECHNICAL DATA

MODEL	CODE	VOLTAGE 50 HZ	STARTING	P2 NOMINAL		MAX CURRENT	N° connectable floats	N° connectable pumps
				kW x2	HP x2	A		
E-Box 2D M/T	**60114868**	1 X 230 V	DIRECT	2,2	3	12 + 12	2 - 3 - 4	1/2
		3 x 400 V		5,5	7,5			
E-Box 2D 40uF	**60114869**	1 X 230 V	DIRECT	2,2	3	12 + 12	2 - 3 - 4	1/2

SMART PRESS
ON/OFF CONTROLLER



CE

DOMESTIC WATER SUPPLY

SMART PRESS is an ON/OFF electronic device designed to switch the pump ON/OFF without using an expansion vessel.
The device protects the pump against dry running without using level probes or float switch.

It has an adjustable cut-in pressure and even with a high flow the pressure losses are small.
All the SMART PRESS models have a MANUAL AND AUTOMATIC RESTART.

TECHNICAL DATA

MODEL	CODE	SETTING PRESSURE bar	DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
SMART PRESS WG 1,5 - AUTOM. RESET - WITHOUT CABLE	**60114808**	1,5	1 " M	1 " ¼ F	1,3	100
SMART PRESS WG 1,5 - AUTOM. RESET - WITH CABLE	**60113308**	1,5	1 " M	1 " ¼ F	1,6	100
SMART PRESS WG 3.0 - AUTOM. RESET - WITHOUT CABLE	**60114809**	1,5	1 " M	1 " ¼ F	1,3	100
SMART PRESS WG 3.0 - AUTOM. RESET. - WITH CABLE	**60113922**	1,5	1 " M	1 " ¼ F	1,6	100

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KPA
SELF-PRIMING PERIPHERAL PUMPS
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KPS - KPF - KP NEW
PERIPHERAL PUMPS
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KP
PERIPHERAL PUMPS
PAG. 206



K
SINGLE IMPELLER CENTRIFUGAL PUMPS
PAG. 208



K
TWIN IMPELLERS CENTRIFUGAL PUMPS
PAG. 211



KC - KCV NEW
CENTRIFUGAL PUMPS FOR AIR CONDITIONING
PAG. 214



NKM-GE 4 POLES NEW
ENBLOC ELECTRONIC CENTRIFUGAL PUMPS
PAG. 218

NKP-GE 2 POLES NEW
ENBLOC ELECTRONIC CENTRIFUGAL PUMPS
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KDNE 4-2 POLES NEW
STANDARDISED ELECTRONIC CENTRIFUGAL PUMPS ON SKID
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KCE - KCVE NEW
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NKM-G NKP-G
STANDARDISED ENBLOC CENTRIFUGAL PUMPS
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KDN
STANDARDISED CENTRIFUGAL PUMPS
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KDN OVERSIZE
STANDARDISED CENTRIFUGAL PUMPS
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KVC - KVCX
MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS
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KV 3 - KV 6 - KV 10
MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS
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NKV 10 - NKV 15 - NKV 20
MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS
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KV 50
MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS
PAG. 325

KPA - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL		Q m3/h	0	0,3	0,6	0,9	1,2	1,8	2,4	3,6
	kW	HP	l/min	0	5	10	15	20	30	40	60
KPA 40/20 M	0,75	1	H (m)	53	51	48	43	38	27	16	
KPA 40/20 T	0,75	1		53	51	48	43	38	27	16	

KPS - KPF - KP - *DOMESTIC WATER SUPPLY*

MODEL		P2 NOMINAL		Q m3/h	0	0,3	0,6	0,9	1,2	1,8	2,4	3,6
SINGLE-PHASE	THREE-PHASE	kW	HP	l/min	0	5	10	15	20	30	40	60
KPS 30/16 M	KPS 30/16 T	0,3	0,4	H (m)	32,5	31	25	22	17,5	10		
KPF 30/16 M	KPF 30/16 T	0,37	0,5		32,5	31	25	22	17,5	10		
KP 38/18 M	KP 38/18 T	0,6	0,8		54	50	46	41	36	27,5	17,5	
KPF 45/20 M	KPF 45/20 T	1,0	1,34		84	76	68	62	56	38	24	
KP 60/6 M	KP 60/6 T	0,37	0,5		87	57	33	13				
KP 60/12 M	KP 60/12 T	0,75	1		107	91	74	58	43	17		

K - *DOMESTIC, CIVIL AND INDUSTRIAL WATER SUPPLY*

MODEL		P2 NOMINAL		Q m3/h	0	0,3	0,6	0,9	1,2	1,8	2,4	3,6	4,8	6	7,2	9	9,6	10,8	12	15	18	24	30	36	42	60	72	84	96
SINGLE-PHASE	THREE-PHASE	kW	HP	l/ min	0	5	10	15	20	30	40	60	80	100	120	150	160	180	200	250	300	400	500	600	700	1000	1200	1400	1600
K 30/70 M	K 30/70 T	0,75	1	H (m)	31,8					29,5	28,9	27	24,2	19,8	13,5														
K 30/100 M	K 30/100 T	1,1	1,5		29,2						29	28,8	28	26,8	25,3	22,5	21,5	18,5										
K 36/100 M	K 36/100 T	1,85	2,5		34,9						34,8	34,6	34	33	32	29,8	29	26,5										
K 12/200 M	K 12/200 T	0,75	1		18,4						17,2	16,5	16	15,3	14,7	13,5	13,1	12,3	11,4	8,9	5,5							
-	K 36/200 T	2,2	3		36,6								36	35,5	35	34	33,3	32,5	31,5	28	23,5							
-	K 40/200 T	3	4		41,3								41	40,5	40	39	38,8	38	37	33,5	29							
-	K 55/200 T	4	5,5		54									54	53,9	53,2	53	52	51,5	48,5	45							
K 14/400 M	K 14/400 T	1,85	2,5		19														18,8	18,5	18	16,3	13,8	10				
-	K 11/500 T	2,2	3		24,5														22,5	21,5	20	16,5	11,5	6,5				
-	K 18/500 T	3	4		29,6														29,2	28,5	27,4	24	19,5	13,8				
-	K 28/500 T	4	5,5		35														34,5	34	32,8	29,3	25,2	20				
-	K 40/400 T	5,5	7,5		50,5														49	48	45	37	24					
-	K 50/400 T	7,5	10		62														61	60	59	54,5	46					
-	K 30/800 T	7,5	10		44																	42	40	38	35	21,5		
-	K 40/800 T	9,2	12,5		51,5																	50	48	47	43,5	32,5	21	
-	K 50/800 T	11	15		58																	56,5	55	53,5	51	41	31	
-	K 20/1200 T	7,5	10		37,5																	36,5	36	35	34	30	26	21	15
-	K 25/1200 T	9,2	12,5		40,7																	39	38,5	38	37	33,5	30	25	18
-	K 35/1200 T	11	15		45																			43	42,5	38,5	35	31,5	27
K 35/40 M	K 35/40 T	0,75	1		43,5				41,5	40	38	33	23,5															
K 45/50 M	K 45/50 T	1,1	1,5		51				49	47,5	46	42	37	30														
K 55/50 M	K 55/50 T	1,85	2,5		62				60	58	57	52	45	34														
K 35/100 M	K 35/100 T	1,1	1,5		38,5						37,5	36,5	35	32	28,5	18,5	17,5											
K 40/100 M	K 40/100 T	1,85	2,5		44						43,4	42,5	41	39	35,7	29	26	18,5										
-	K 55/100 T	2,2	3		62						59,5	57	54,5	51	47	39	36											
-	K 66/100 T	3	4		73						70	67,5	64	60,5	57	49	47											
-	K 90/100 T	4	5,5		83,5						82	79,5	76,5	72,5	68	61	58											
-	K 70/300 T	5,5	7,5		76									74	73	72	71,5	70	69	65	60,5	43,5						
-	K 80/300 T	7,5	10		95									93	92,2	91	90,5	90	89,5	87	82	68						
-	K 70/400 T	9,2	12,5		86											84	83,2	82,5	82	79	76	65	47					
-	K 80/400 T	11	15		97												95	94,5	94	92	89	80	64					

KPA
SELF-PRIMING PERIPHERAL PUMPS

ENERGY EFFICIENCY IE2

CE

DOMESTIC WATER SUPPLY



Self-priming peripheral pump with star impeller, with a great suction capacity. Cast iron body with brass ring. Motor support and impeller in brass to avoid the risk of blocking. Driving shaft in stainless steel. Carbon/ceramic mechanical seal.
Asynchronous, closed motor, cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

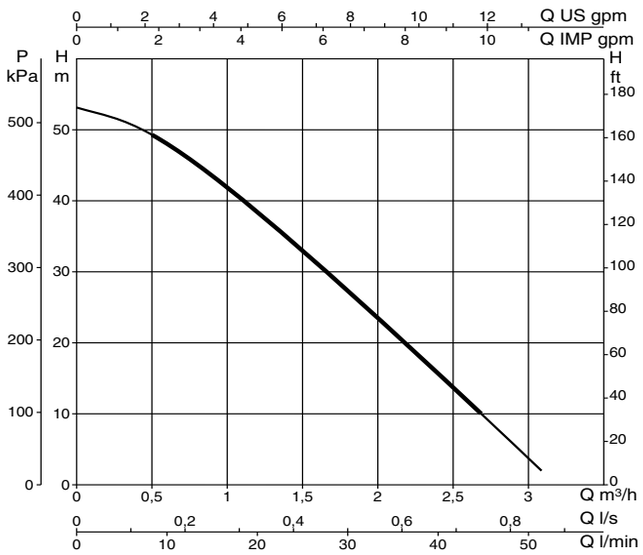
Operating range: from 8 to 45 l/min. with head up to 53 metres.
Liquid temperature range: from -10°C to +80°C from 0°C to +35°C for domestic use.
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C.
Maximum working pressure: 10 bar (1000 kPa).
Protection level: IP 44 (IP 55 terminal board protection).
Insulation class: F.

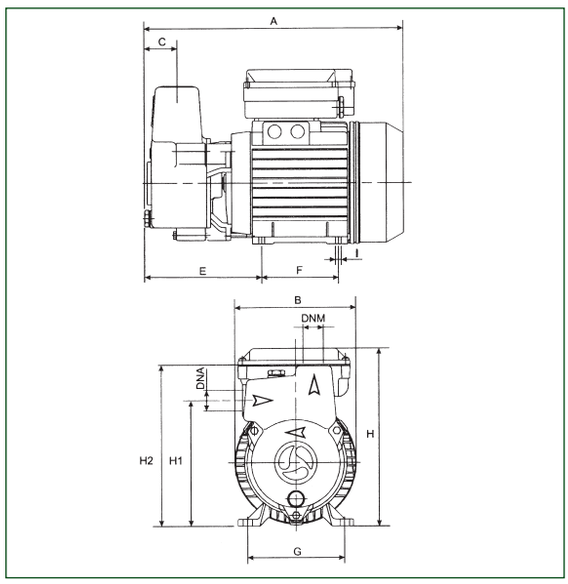
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
KPA 40/20 M	101120000	1 x 230 V ~	1,85	0,75	1	4,7	20	450
KPA 40/20 T*	60145185	3 x 230 - 400 V ~	1	0,75	1	3,5-2,1	-	-

*** NEW IE2 MOTOR**

DIMENSIONS AND WEIGHTS





MODEL	A	B	C	E	F	G	IØ	H	HH1	H2	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
													L/A	L/B	H		
KPA 40/20	301	142	38	136	90	112	7	206	146	187	1"G	1"G	406	267	402	12,40	39

KPS - KPF - KP
PERIPHERAL PUMPS


KPF


KPS

NEW

ENERGY EFFICIENCY IE2

CE

DOMESTIC WATER SUPPLY

Peripheral centrifugal pump, reduced encumbrance, able to generate high heads, it is suitable for domestic use and small industrial uses.
Pump body and motor support in brass for the KP 60 version, in cast iron for the KPS 30 and KP 38 versions. Brass impeller. Mechanical seal in carbon/ceramic.
Asynchronous, closed motor, cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range: from 1 to 50 l/min. with head up to 107 metres.
Liquid temperature range: from 0°C to +35°C for domestic use, from -10°C to +80°C (from -10°C to +50°C for the KPS 30 and KP 38 versions) for other uses.
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C.
Maximum working pressure: 10 bar (6 bar for the KPS 30/16 version and KP 60/12).
Protection level: IP 44.
Insulation class: F.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
KPF 30/16 M	101110400	1 x 230 V ~	0,53	0,37	0,5	2,37	8	450
KPF 30/16 T	101110410	3 x 230 - 400 V ~	0,47	0,37	0,5	1,45-0,82	–	–
KPS 30/16 M	101110024	1 x 230 V ~	0,47	0,37	0,5	2	8	450
KPS 30/16 T	101110014	3 x 230 - 400 V ~	0,47	0,37	0,5	1,4-0,8	–	–
KPS 30/16 M-P**	101112224	1 x 230 V ~	0,47	0,37	0,5	2	8	450
KP 38/18 M	101110060	1 x 230 V ~	0,89	0,6	0,8	4	12,5	450
KP 38/18 T	101110050	3 x 230 - 400 V ~	0,86	0,6	0,8	2,9-1,7	–	–
KPF 45/20 M	60141934	1 x 230 V ~	1,5	1,0	1,34	5,9	25	450
KPF 45/20 T*	60145268	3 x 230 - 400 V ~	1,4	1,0	1,34	–	–	–

*** NEW IE2 MOTOR**
** KPS-fitted Pump fitted with a pressure gauge, pressure switch, power supply cable with plug and five-way fitting for connection to a tank.

KP
PERIPHERAL PUMPS

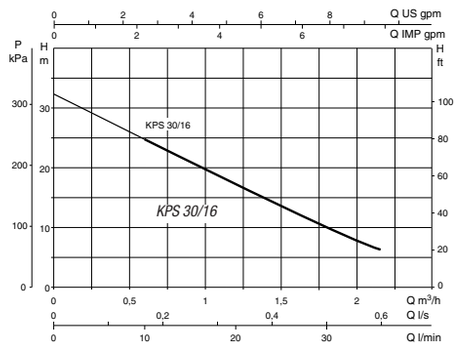

KP 60/6 - 60/12

ENERGY EFFICIENCY IE2

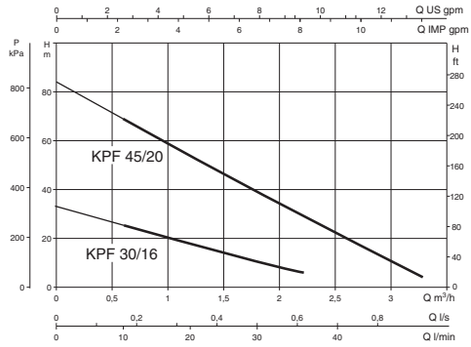
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
KP 60/6 M	101110280	1 x 230 V ~	0,54	0,37	0,5	2,4	10	450
KP 60/6 T	101110290	3 x 230 - 400 V ~	0,52	0,37	0,5	1,8-1	–	–
KP 60/12 M	101110320	1 x 230 V ~	1,15	0,75	1	5,2	20	450
KP 60/12 T*	60145184	3 x 230 - 400 V ~	1,12	0,75	1	3,8-2,2	–	–

*** NEW IE2 MOTOR**

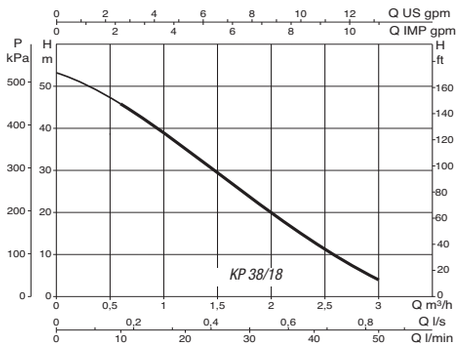
KPS



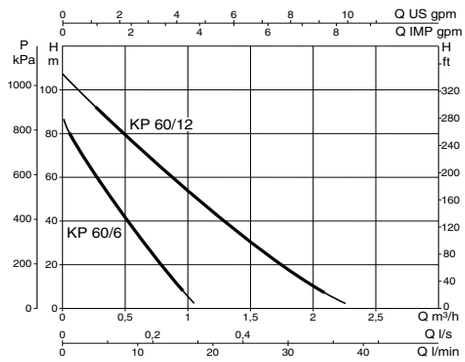
KPF



KP 38/18

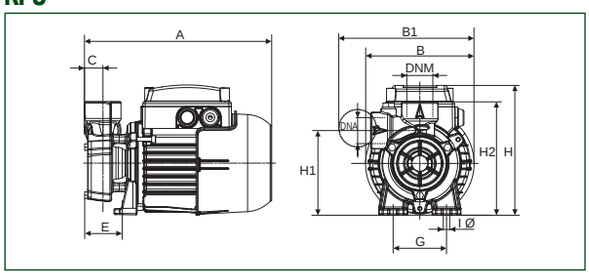


KP 60/6 - 60/12

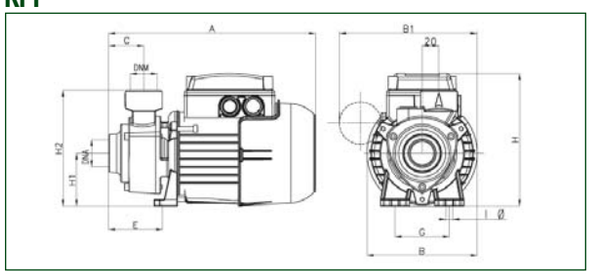


DIMENSIONS AND WEIGHTS

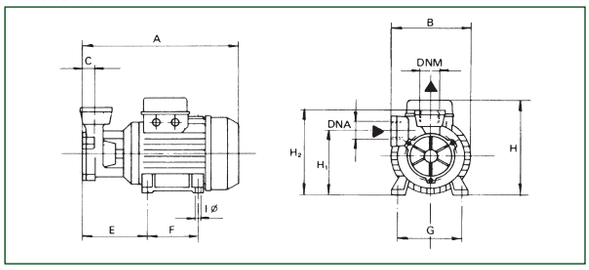
KPS



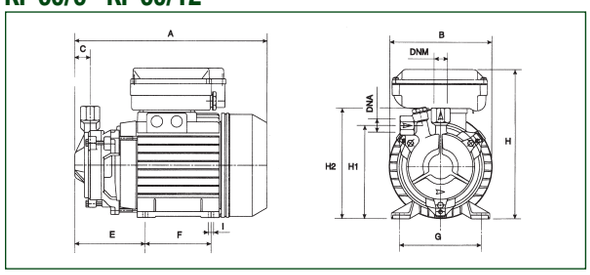
KPF



KP 30/16



KP 60/6 - KP 60/12



MODEL	A	B	B1	C	E	F	G	IØ	H	H1	H2	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT KG	Q.TY x PALLET
														L/A	L/B	H		
KPS 30/16	228	132	165	22	46	–	65	8	158	103	138	1"G	1"G	259	164	197	5,4	120
KPF 30/16	247	132	165	42	64	–	65	8	158	63	138	1"G	1"G	262	140	180	5,3	110
KP 38/18	255	130	–	26	106	80	100	7	186	108	153	1" G	1" G	271	176	209	7,5	68
KPF 45/20 M	315	155	–	55	95	–	112	7	188	78	163	1" G	1" G	325	165	198	9,0	39
KPF 45/20 T	315	155	–	55	95	–	112	7	188	78	163	1" G	1" G	325	165	198	9,0	39
KP 60/6 M	262	142	–	21	96	90	112	7	204	127	151	1/2" G	1/2" G	406	267	402	8,2	39
KP 60/6 T	262	142	–	21	96	90	112	7	173	127	151	1/2" G	1/2" G	406	267	402	7,9	39
KP 60/12 M	262	142	–	20	96	90	112	7	204	126	161	3/4" G	3/4" G	406	267	402	10,1	39
KP 60/12 T	262	142	–	20	96	90	112	7	173	126	161	3/4" G	3/4" G	406	267	402	9,90	39

DAB PUMPS reserves the right to make modifications without notice

K

SINGLE IMPELLER CENTRIFUGAL PUMPS

ENERGY EFFICIENCY IE2



K 30/70 M



K 35/1200 T

DOMESTIC, CIVIL AND INDUSTRIAL WATER SUPPLY

Twin impeller centrifugal pump designed for use in pressurisation units for water supply systems for domestic, civil and industrial use. Suitable for sprinkling irrigation and other water supply applications. Cast iron pump body and motor support. Technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range: from 1.2 to 30 m^3/h with head up to 97 metres.

Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.

Liquid temperature range:
from -10°C to +50°C: for K 35/40, K 45/50, K 35/100, K 40/100, K 55/100
from -15°C to +110°C: for K 55/50, K 66/100, K 90/100, K 70/300, K 80/300, K 70/400, K 80/400.

Maximum operating range:
K 35/40, K 35/100, K 40/100: 6 bar (600 kPa)
K 45/50, K 55/50: 8 bar (800 kPa)
K 55/100, K 66/100: 10 bar (1000 kPa)
K 90/100, K 70/300, K 80/300 K 70/400, K 80/400: 12 bar (1200 kPa).

Maximum ambient temperature: +40°C.
Protection level: IP 44.
Terminal board protection level: IP 55.
Insulation class: F.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
K 20/41 M	102110004	1 x 230 V ~	0,65	0,37	0,5	3	10	450
K 20/41 T	102110014	3 x 230 - 400 V ~	0,64	0,37	0,5	2,3/1,3	–	–
K 30/70 M	102110024	1 x 230 V ~	1,3	0,75	1	6	20	450
K 30/70 T*	60145269	3 x 230 - 400 V ~	1,2	0,75	1	4,3/2,5	–	–
K 30/70 M-P**	102112024	1 x 230 V ~	1,3	0,75	1	6	20	450
K 30/100 M	102110042	1 x 230 V ~	1,6	1,1	1,5	7,1	31,5	450
K 30/100 T*	60145771	3 x 230 - 400 V ~	1,63	1,1	1,5	5,5/3	–	–
K 36/100 M	102110162	1 x 230 V ~	2,1	1,85	2,5	8,8	40	450
K 36/100 T*	60145837	3 x 230 - 400 V ~	2	1,85	2,5	6,9/4	–	–
K 12/200 M	103110004	1 x 230 V ~	1,05	0,75	1	4,6	20	450
K 12/200 T*	60145307	3 x 230 - 400 V ~	1,02	0,75	1	3,6/2,1	–	–
K 36/200 T*	60146040	3 x 230 - 400 V ~	3	2,2	3	9/5,2	–	–
K 40/200 T*	60146050	3 x 230 - 400 V ~	3,5	3	4	11,1-6,4	–	–
K 55/200 T*	60146064	3 x 230 - 400 V ~	4,9	4	5,5	16,3-9,4	40	–
K 14/400 M	102130402	1 x 230 V ~	2,1	1,85	2,5	9,5	–	450
K 14/400 T*	60145845	3 x 230 - 400 V ~	2,1	1,85	2,5	7,4	–	–
K 11/500 T*	60146044	3 x 230 - 400 V ~	2,6	2,2	3	9,1-5,8	–	–
K 18/500 T*	60146057	3 x 230 - 400 V ~	3,4	3	4	10,2-5,9	–	–
K 28/500 T*	60146073	3 x 230 - 400 V ~	4,5	4	5,5	14,7-8,5	–	–
K 40/400 T*	60146093	3 x 400 V ~ [1]	7	5,5	7,5	11,5	–	–
K 50/400 T*	60146100	3 x 400 V ~ [1]	9,4	7,5	10	15	–	–
K 30/800 T*	60146101	3 x 400 V ~ [1]	8,3	7,5	10	14	–	–
K 40/800 T*	60146110	3 x 400 V ~ [1]	11	9,2	12,5	18	–	–
K 50/800 T*	60146116	3 x 400 V ~ [1]	12,75	11	15	20,5	–	–
K 20/1200 T*	60146102	3 x 400 V ~ [1]	8,9	7,5	10	15,4	–	–
K 25/1200 T*	60146111	3 x 400 V ~ [1]	10	9,2	12,5	18	–	–
K 35/1200 T*	60146117	3 x 400 V ~ [1]	11,4	11	15	19,3	–	–

*** NEW IE2 MOTOR**

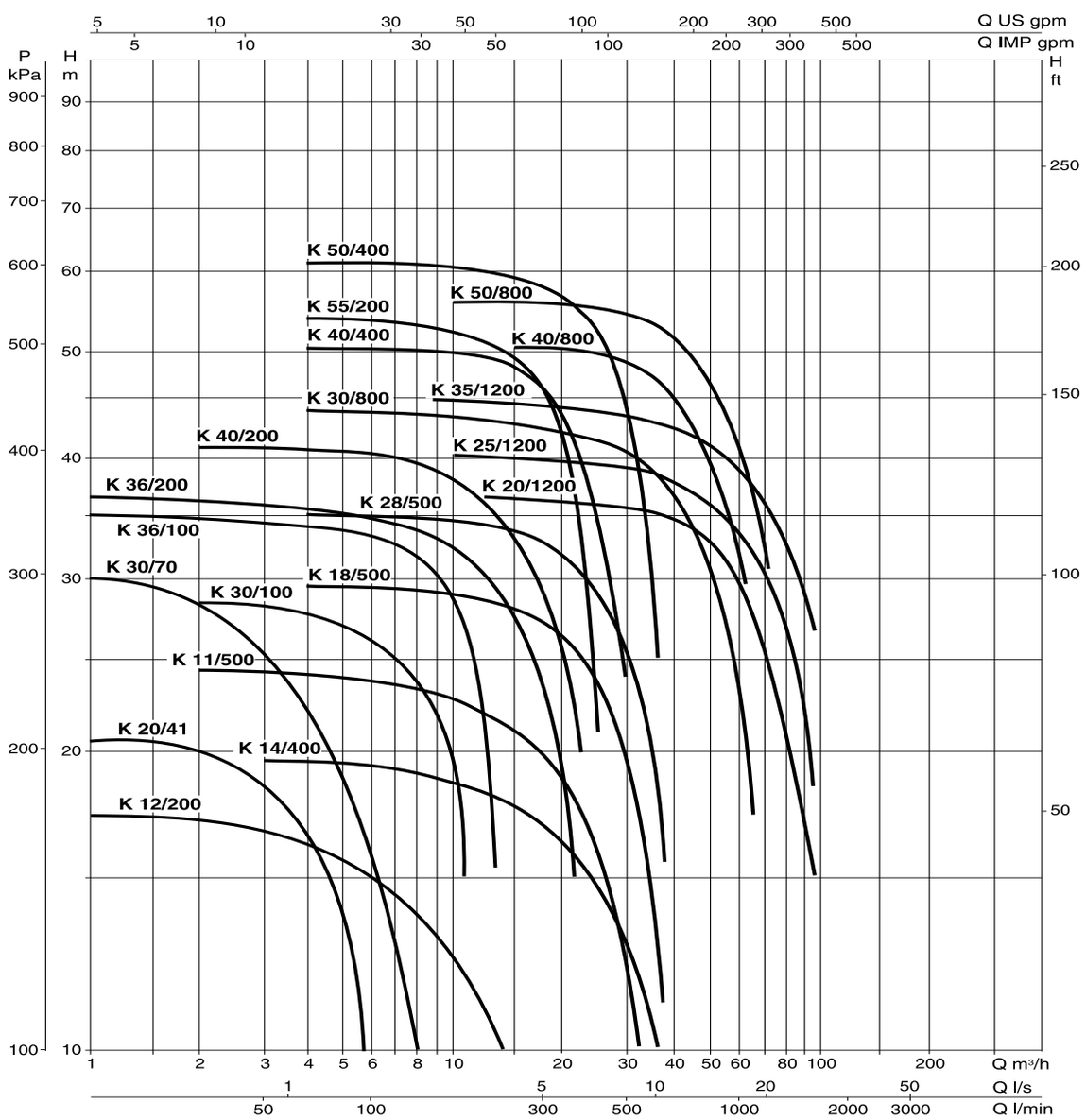
** Pump equipped with pressure gauge, pressure switch, power cable with plug and five -way fitting to use for connecting to a tank.

[1] Star delta starting

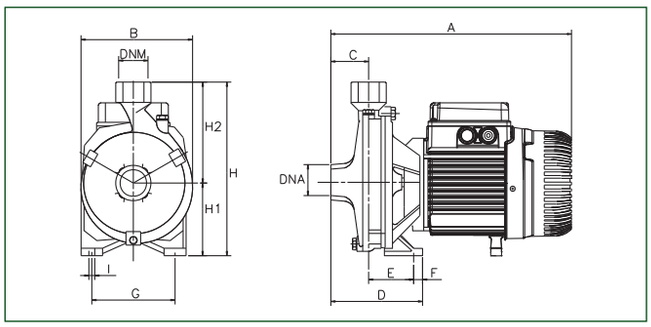
PERFORMANCE COMPARISON series K / NKP-G

MODEL	CODE	P2 kW	Q m³/h	H m
K 40/400 T	60146093	5,5	12-30	49-25
K 50/400 T	60146100	7,5	13-34	61-36
K 30/800 T	60146101	7,5	18-63	43-18
K 40/800 T	60146110	9,2	24-66	50-27
K 50/800 T	60146116	11	24-78	56,7-25
K 20/1200 T	60146102	7,5	30-92	36-17
K 25/1200 T	60146111	9,2	32-94	39-19
K 35/1200 T	60146117	11	34-96	43-27

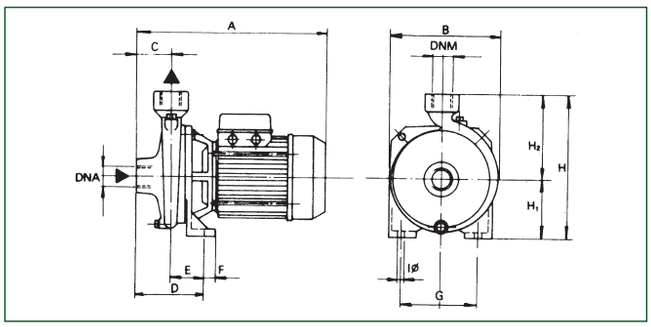
MODEL	CODE	P2 kW	Q m³/h	H m
NKP-G 32-200/190/ 5.5 /2	1D1311B9B	5,5	3,6-36	46,5-29
NKP-G 32-200/210/ 7.5 /2	1D1311BAB	7,5	3,6-36	58,5-44,5
NKP-G 40-160/172/ 7,5 /2	1D2211BAB	7,5	6,7-67	42-26
NKP-G 40-200/210/11/2	1D2311BBB	11	6,7-67	58-38,8
NKP-G 40-200/210/11 /2	1D2311BBB	11	6,7-67	58-38,8
NKP-G 50-160/153/ 7.5 /2	1D3211BAB	7,5	9,0-90	32-23,5
NKP-G 50-160/169/11/2	1D3211BBB	11	10,0-100	39,5-30,5
NKP-G 50-200/200/15 /2	1D3311BCB	15	9,2-92	56-40



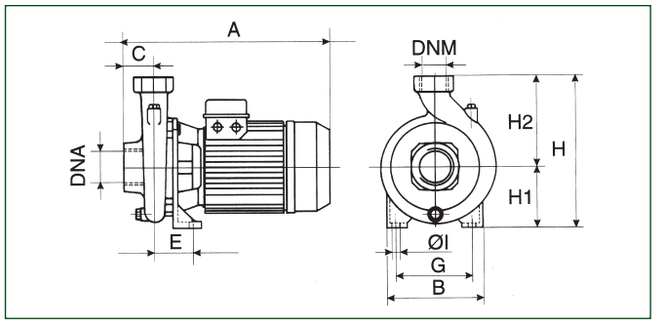
K 20/41 - 30/70 - 12/200



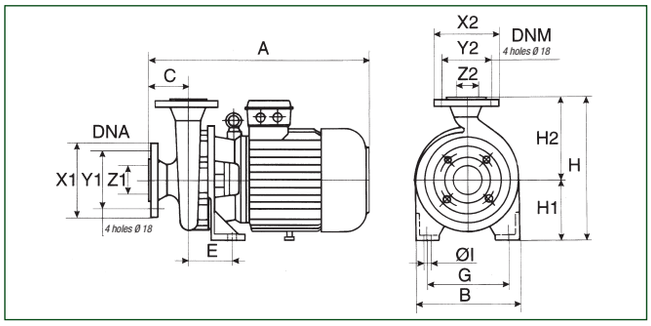
K 30/100 - 36/100



K 36/200 - 40/200 - 55/200
14/400 - 11/500 - 18/500 - 28/500



K 40/400 - 50/400 - 30/800 - 40/800
50/800 - 20/1200 - 25/1200 - 35/1200



MODEL	A	B	C	D	E	G	ØI	H	H1	DNA	DNM	WEIGHT KG	Q.TY x PALLET
K 20/41	275	160	50	100	50	110	9	205	85	1" G	1" G	10	39
K 30/70	300	185	50	108	58	140	9	235	100	1" G	1" G	13,9	30
K 30/100	333	200	50	114	64	140	9	255	105	1 1/2" G	1" G	18,5	21
K 36/100	333	200	50	114	64	140	9	255	105	1 1/2" G	1" G	23,3	18
K 12/200	312	169	45	114	69	110	9	218	85	1 1/2" G	1 1/2" G	13,7	30
K 36/200	425	250	55	–	86	175	14	320	135	2" G	1 1/4" G	33,1	18
K 40/200	425	250	55	–	86	175	14	320	135	2" G	1 1/4" G	34,9	18
K 55/200	425	250	55	–	86	175	14	320	135	2" G	1 1/4" G	39	18
K 14/400 M	430	200	62	–	74	120	11	270	105	2" G	2" G	24,5	18
K 14/400 T	358	200	62	–	74	120	11	270	105	2" G	2" G	22	21
K 11/500	440	240	62	–	100	155	14	312	132	2 1/2" G	2" G	34,2	18
K 18/500	440	240	62	–	100	155	14	312	132	2 1/2" G	2" G	36,6	18
K 28/500	440	240	62	–	100	155	14	312	132	2 1/2" G	2" G	40,6	18
K 40/400	560	273	100	–	110	212	14	360	160	65	50	79	6
K 50/400	560	273	100	–	110	212	14	360	160	65	50	87	6
K 30/800	600	273	100	–	110	212	14	385	160	80	65	91	6
K 40/800	600	273	100	–	110	212	14	385	160	80	65	95	6
K 50/800	600	273	100	–	110	212	14	385	160	80	65	105	6
K 20/1200	600	273	100	–	110	212	14	385	160	80	65	88	6
K 25/1200	600	273	100	–	110	212	14	385	160	80	65	94	6
K 35/1200	600	273	100	–	110	212	14	385	160	80	65	100	6



K 35/40 M

ENERGY EFFICIENCY IE2



K 70/300 T

DOMESTIC, CIVIL AND INDUSTRIAL WATER SUPPLY

Twin impeller centrifugal pump designed for use in pressurisation units for water supply systems for domestic, civil and industrial use. Suitable for sprinkling irrigation and other water supply applications. Cast iron pump body and motor support. Technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.
Operating range: from 1.2 to 30 m^3/h with head up to 97 metres.
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.

Liquid temperature range:
from -10°C to +50°C: for K 35/40, K 45/50, K 35/100, K 40/100, K 55/100
from -15°C to +110°C: for K 55/50, K 66/100, K 90/100, K 70/300, K 80/300, K 70/400, K 80/400.
Maximum operating range:
K 35/40, K 35/100, K 40/100:6 bar (600 kPa)
K 45/50, K 55/50: 8 bar (800 kPa)
K 55/100, K 66/100: 10 bar (1000 kPa)
K 90/100, K 70/300, K 80/300 K 70/400, K 80/400: 12 bar (1200 kPa).
Maximum ambient temperature: +40°C.
Protection level: IP 44.
Terminal board protection level: IP 55.
Insulation class: F.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
K 35/40 M	102120004	1 x 230 V ~	1,2	0,75	1	5,5	20	450
K 35/40 T	60145196	3 x 230 - 400 V ~	1,2	0,75	1	3,8-2,2	–	–
K 35/40 M-P**	102122004	1 x 230 V ~	1,2	0,75	1	5,5	20	450
K 45/50 M	102120022	1 x 230 V ~	1,86	1,1	1,5	8,3	31,5	450
K 45/50 T	60145774	3 x 230 - 400 V ~	1,96	1,1	1,5	6-3,5	–	–
K 45/50 M-P**	102122022	1 x 230 V ~	1,86	1,1	1,5	8,3	31,5	450
K 45/50 T-P **	60147310	3 x 230 - 400 V ~	1,96	1,1	1,5	6-3,5	–	–
K 55/50 M	102120162	1 x 230 V ~	2,7	1,85	2,5	12,8	40	450
K 55/50 T	60145840	3 x 230 - 400 V ~	2,5	1,85	2,5	8,4-4,8	–	–
K 55/50 M-P**	102122030	1 x 230 V ~	2,7	1,85	2,5	12,8	40	450
K 55/50 T-P **	60147311	3 x 230 - 400 V ~	2,5	1,85	2,5	8,4-4,8	–	–

*** NEW IE2 MOTOR**

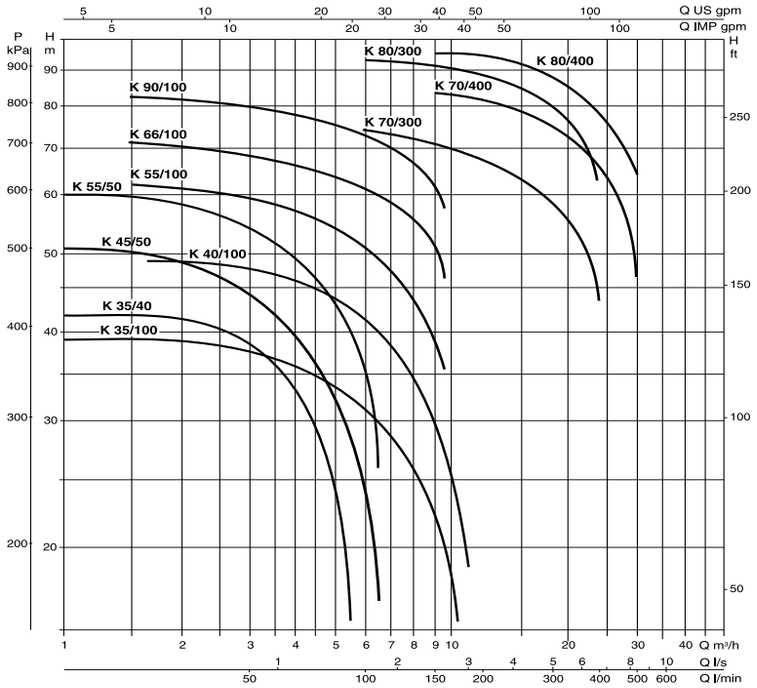
** Pump equipped with pressure gauge, pressure switch, power cable with plug and five -way fitting to use for connecting to a tank.

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
K 35/100 M	102121002	1 x 230 V ~	1,56	1,1	1,5	7,1	25	450
K 35/100 T	60145775	3 x 230 - 400 V ~	1,56	1,1	1,5	5,36-3,1	–	–
K 40/100 M	102121032	1 x 230 V ~	2	1,85	2,5	9	40	450
K 40/100 T	60145841	3 x 230 - 400 V ~	2	1,85	2,5	6,2-3,6	–	–
K 55/100 T	60146054	3 x 230 - 400 V ~	3,9	2,2	3	11,6-6,7	–	–
K 66/100 T	60146067	3 x 230 - 400 V ~	4,7	3	4	14,6-8,4	–	–
K 90/100 T	60146068	3 x 230 - 400 V ~	5,4	4	5,5	16,5-9,5	–	–
K 70/300 T*	60146091	3 x 400 V ~ [1]	7,1	5,5	7,5	12,9	–	–
K 80/300 T*	60146097	3 x 400 V ~ [1]	9,9	7,5	10	15	–	–
K 70/400 T*	60146108	3 x 400 V ~ [1]	10,7	9,2	12,5	18	–	–
K 80/400 T*	60146114	3 x 400 V ~ [1]	12,5	11	15	21	–	–

*** NEW IE2 MOTOR**

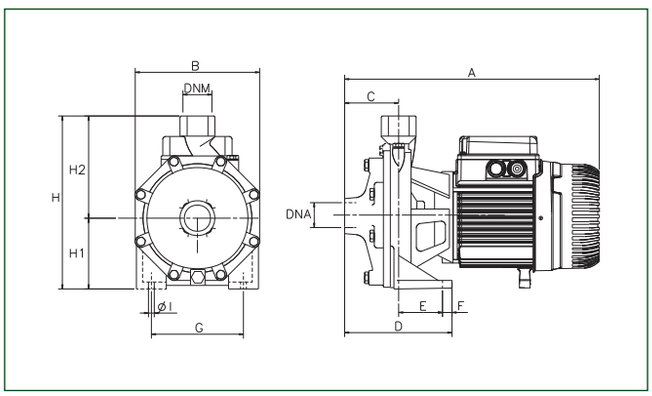
** Pump equipped with pressure gauge, pressure switch, power cable with plug and five -way fitting to use for connecting to a tank.

[1] Star delta starting

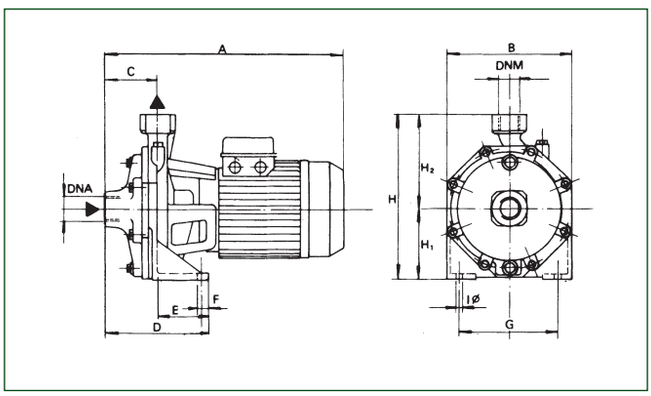


DIMENSIONS AND WEIGHTS

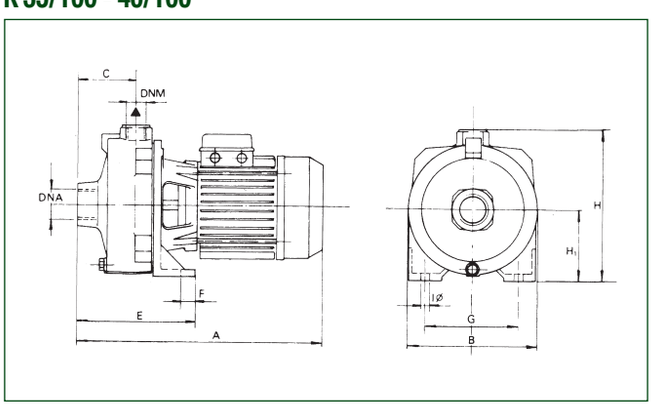
K 35/40



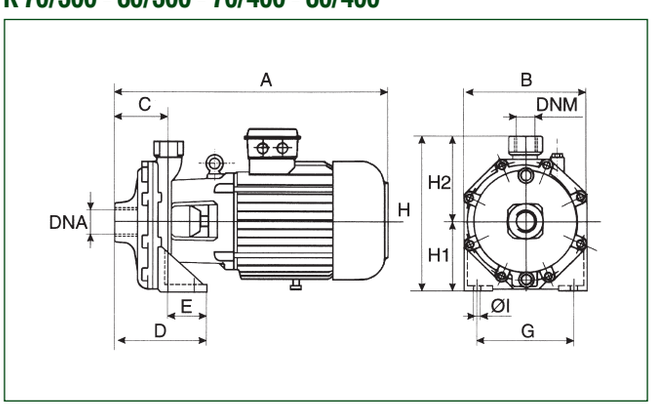
K 45/50 - 55/50 - 66/100 - 90/100



K 35/100 - 40/100



K 70/300 - 80/300 - 70/400 - 80/400



MODEL	A	B	C	D	E	F	G	ØI	H	H1	H2	DNA	DNM	WEIGHT KG	Q.TY x PALLET
K 35/40	342	180	76	148	72	15	148	9,5	235	100	135	1" G	1" G	15,9	27
K 45/50	370	210	75	144	69	15	165	11,5	268	118	150	1 1/4" G	1" G	23,3	21
K 55/50	370	210	75	114	69	15	165	11,5	268	118	150	1 1/4" G	1" G	27,2	18
K 35/100	387	205	88	–	179	20	145	11	233	108	–	1 1/2" G	1" G	22	21
K 40/100 M	461	205	88	–	179	20	145	11	233	108	–	1 1/2" G	1" G	25,9	18
K 40/100 T	387	205	88	–	179	20	145	11	233	108	–	1 1/2" G	1" G	22	21
K 55/100	450	256	88	160	72	18	200	14	312,5	140	172,5	1 1/2" G	1" G	38,1	18
K 66/100	450	256	88	160	72	18	200	14	312,5	140	172,5	1 1/2" G	1" G	40,7	18
K 90/100	450	256	88	160	72	18	200	14	312,5	140	172,5	1 1/2" G	1" G	44	18
K 70/300	595	270	122	182	60	20	210	14	340	160	180	2" G	1 1/4" G	72	6
K 80/300	595	270	122	182	60	20	210	14	340	160	180	2" G	1 1/4" G	79	6
K 70/400	635	270	122	182	60	20	210	14	340	160	180	2" G	1 1/4" G	75	6
K 80/400	635	270	122	182	60	20	210	14	340	160	180	2" G	1 1/4" G	79	6

KC - KCV

CENTRIFUGAL PUMPS FOR AIR CONDITIONING

NEW

CE

AIR-CONDITIONING AND IRRIGATION





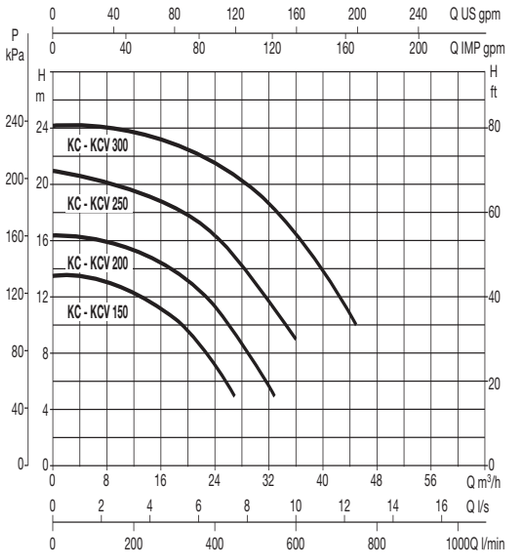
ENERGY EFFICIENCY IE2

Pumping of water or other non-aggressive non-explosive liquids that do not contain solid particles or fibre.
Especially suitable for handling water and glycol solutions in air conditioning circuits.
- **PLUS**
VERSATILE: thanks to the high quality construction materials and oversized motors, the KC and KCV series of pumps can be used in surroundings with temperatures up to 65°C and a glycol percentage of as much as 40% in the handled liquid.
RELIABLE: all components are sized to guarantee a working life of at least 50,000 duty hours (with the exception of the bearings and mechanical seals, the manufacturers of which guarantee an average life of 25,000 hours in the most severe duty conditions).
RUST PROOF: all components in contact with the liquid are made of thermoplastic (polypropylene or reinforced Noryl) and the pump shaft is made of AISI 304 stainless steel.
FLEXIBLE: facility to rotate the pump body in steps of 90° for greater installation flexibility.
Complete hydraulic section (pump body, seal holder flange, impeller, diffuser) made of fibreglass reinforced technopolymer, shaft extension in contact with liquid in AISI 304 stainless steel, mechanical seal in silicon carbide/graphite.
O-rings in EPDM Externally cooled asynchronous motor for continuous duty (S1), 2 poles.
Maximum ambient temperature: 65°C.
Motor protection rating: IP55.
Insulation class: F (copper wire with class H insulation).
Standard input voltage: three-phase 230-400 V/50 Hz Sealed, water resistant and humidity resistant ball bearings Motor construction to EN 60335-2-41.
Operating range: from 3 to 45 m^3/h.
Maximum head: 24 m.
Maximum working pressure: 6.5 bar.
Liquid temperature range: from -10 to +55°C.
Maximum glycol contents: up to 40%.
Installation: fixed or portable in horizontal position.
Maximum ambient temperature: 65 °C.
Special versions on request: alternative voltages and/or frequencies.

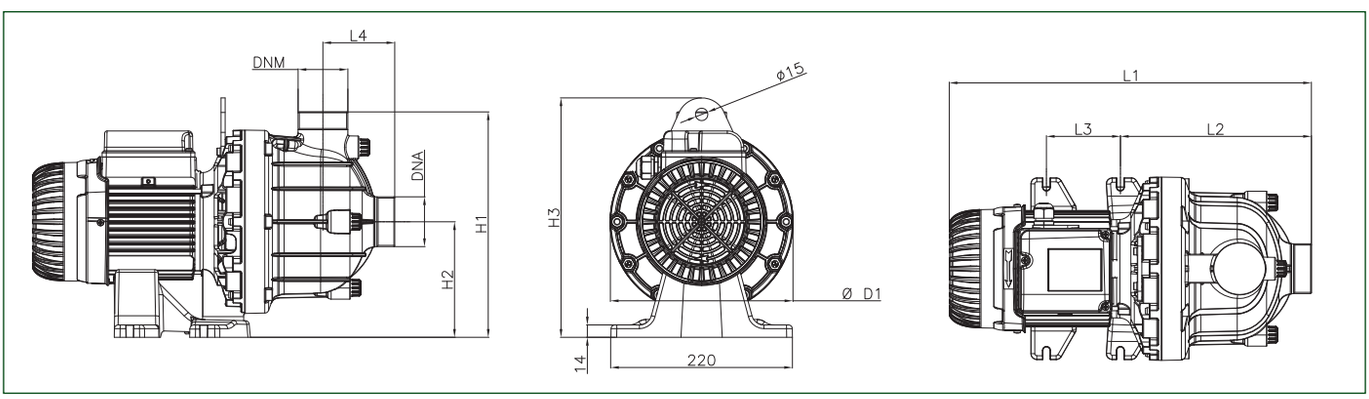
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 Hz	P1 MAX kW	P2 (W)	In A	STARTER MOTOR RESISTANCE (Ohm)
KC 150 T*	60145266	3 x 230 - 400 V ~	1,2	870	2,3	6,28
KC 200 T*	60145901	3 x 230 - 400 V ~	1,2	870	2,3	6,28
KC 250 T*	60145977	3 x 230 - 400 V ~	1,5	1260	3,1	3,51
KC 300 T*	60146015	3 x 230 - 400 V ~	1,5	1260	3,1	3,51
KCV 150 T*	60145267	3 x 230 - 400 V ~	2,3	1900	4,3	2,55
KCV 200 T*	60145904	3 x 230 - 400 V ~	2,3	1900	4,3	2,55
KCV 250 T*	60145980	3 x 230 - 400 V ~	3	2560	5,8	1,72
KCV 300 T*	60146020	3 x 230 - 400 V ~	3	2560	5,8	1,72

*** NEW IE2 MOTOR**



DIMENSIONS AND WEIGHTS



MODEL	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	D1 (mm)	WEIGHT Kg	DNA	DNM
KC 150 T	439	231	90	87	273	140	290	222	14	2" m gas	2" m gas
KCV 150 T	439	231	90	87	273	140	290	222	14	2" Victaulic	2" Victaulic
KC 200 T	439	231	74	87	273	140	290	222	16	2" m gas	2" m gas
KCV 200 T	439	231	74	87	273	140	290	222	16	2" Victaulic	2" Victaulic
KC 250 T	513	231	74	87	273	140	290	222	18	2" m gas	2" m gas
KCV 250 T	513	231	74	87	273	140	290	222	18	2" Victaulic	2" Victaulic
KC 300 T	563	282	177	114	355	170	320	300	23	2" m gas	2" m gas
KCV 300 T	563	282	177	114	355	170	320	300	23	2" Victaulic	2" Victaulic

DAB PUMPS reserves the right to make modifications without notice

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS - NKM-GE 4 POLES

PERFORMANCE RANGE

≅ 1450 1/min

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000
NKM-GE 32-125.1/140/A/BAQE/0.25/4 M MCE11/C	0.25	0.33	H (m)	6.2	5.8	4.2								
NKM-GE 32-125/142/A/BAQE/ 0.37/4 M MCE11/C	0.37	0.5		7	6.75	5.85	4.2							
NKM-GE 32-160.1/169/A/BAQE/0.37/4 M MCE11/C	0.37	0.5		8.9	8.2	4.6								
NKM-GE 32-160/169/A/BAQE/0,55/4 M MCE11/C	0.55	0.75		9.4	9	7.9	5.6							
NKM-GE 32-200.1/200/A/BAQE/0,55/4 M MCE11/C	0.55	0.75		12.7	11.2	7.2								
NKM-GE 32-200/219/A/BAQE/1,1/4 M MCE11/C	1.1	1.5		16	15.4	14.3	12.2							
NKM-GE 40-125/142/A/BAQE/0.55/4 M MCE11/C	0.55	0.75		6.6	6.5	6.2	5.7	4.8						
NKM-GE 40-160/166/A/BAQE/0.75/4 M MCE11/C	0.75	1		9.2	9.2	9	8.4	7.4	5.7					
NKM-GE 40-200/219/A/BAQE/1,5 /4 M MCE15/C	1.5	2		15.6	15.6	15.3	14.7	13.4	11.8	9.8				
NKM-GE 40-250/260/A/BAQE/3/4 T MCE30/C	3	4		23.3	23.1	22.8	22.2	20.8	19					
NKM-GE 50-125/141/A/BAQE/0.75/4 M MCE11/C	0.75	1		6.5		6.3	6.1	5.8	5.5	5	4.5	3.9		
NKM-GE 50-160/177/A/BAQE/1,5/4 M MCE15/C	1.5	2		10.7		10.7	10.7	10.5	10.2	9.8	9.2	8.3		
NKM-GE 50-200/219/A/BAQE/ 3 /4 T MCE30/C	3	4		16.8		16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9	
NKM-GE 50-250/263/A/BAQE/4/4 T MCE55/C	4	5.5		23.8		23.8	23.8	23.4	22.7	21.6	20.4	19	17.1	
NKM-GE 65-125/144A/BAQE/1.1/4 M MCE11/C	1.1	1.5		6.5		6.4	6.4	6.3	6.2	6	5.75	5.5	5.1	4.65
NKM-GE 65-160/153/A/BAQE/1,1/4 M MCE11/C	1.1	1.5		7.4		7.4	7.3	7.15	6.9	6.65	6.25	5.8	5.3	4.4
NKM-GE 65-160/177/A/BAQE/2,2/4 M MCE22/C	2.2	3		10.5				10.4	10.3	10.2	9.9	9.6	9.2	8.75
NKM-GE 65-200/210/A/BAQE/ 3 /4 T MCE30/C	3	4		15.3				15.2	15.2	15.1	14.6	14.1	13.5	12.9
NKM-GE 65-200/219/A/BAQE/ 4/4 T MCE55/C	4	5.5		17				17	16.9	16.8	16.4	16.2	15.8	15.2
NKM-GE 65-250/263/A/BAQE/5,5/4 T MCE55/C	5.5	7.5		24.1				23.8	23.6	23.3	22.8	22.3	21.5	20.8
NKM-GE 65-315/309/A/BAQE/11/4 T MCE110/C	11	15		34.2							33.2	33	32.5	32
NKM-GE 80-160/163/A/BAQE/2,2/4 M MCE22/C	2.2	3		8.65					8.5	8.45	8.3	8.15	7.9	7.7
NKM-GE 80-160/177/A/BAQE/3/4 T MCE30/C	3	4		10.2					10.2	10.1	10	9.9	9.75	9.65
NKM-GE 80-200/222/A/BAQE/5,5/4 T MCE55/C	5.5	7.5		16.6							16.5	16.5	16.4	16.2
NKM-GE 80-250/270/A/BAQE/11/4 T MCE110/C	11	15		25.6							25.5	25.5	25.4	25.1
NKM-GE 80-315/305/A/BAQE/15/4 T MCE150/C	15	20		32.9									32.7	32.6
NKM-GE 100-200/200/A/BAQE/5.5/4 T MCE55/C	5.5	7.5		12.7										12.6
NKM-GE 100-200/214A/BAQE/7.5/4 T MCE110/C	7.5	10		15.6										15.4
NKM-GE 100-250/250/A/BAQE/11/4 T MCE110/C	11	15		21.1										21
NKM-GE 100-250/270/A/BAQE/15/4 T MCE150/C	15	20		25.5										25.5
NKM-GE 125-250/243/A/BAQE/15/4 T MCE150/C	15	20		19.5										
NKM-GE 150-200/218/A/BAQE/11/4 T MCE110/C	11	15		13.2										

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS - NKM-GE 4 POLES

PERFORMANCE RANGE

66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
4.2	3.75																
8.2	7.4	6.6															
12.2	11.3																
14.3	13.8	12.6															
19.7	18.6	17.3															
31.5	30.7	29.8	29	28	25	21.7											
7.4	7.2	6.9	6.65	6.3	5.7	4.9	4.6										
9.5	9.25	9	8.8	8.6	7.9	7.2	6.7										
16.1	16	15.7	15.4	15	14.3	13.3	12.7										
25	24.8	24.6	24.2	24	23	21.5	21										
32.6	32.5	32.4	32	31.6	30.5	29.5	28.9	24									
12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5								
15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8							
21	21	21	21	21	20.9	20	19.8	18	16								
25.5	25.5	25.3	25.1	25.1	25	24.5	24	22.5	20.5	17.5							
					19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9		
					13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7

NKM-GE NKP-GE

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

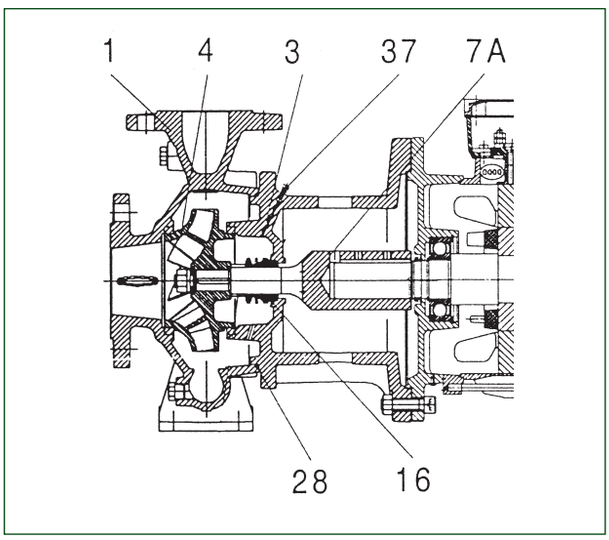


ENERGY EFFICIENCY IE2

CONDITIONING, IRRIGATION, INDUSTRIAL APLLICATION

Enbloc electric centrifugal pumps with coupling, designed for a wide range of applications such as:
- Circulation of hot water for heating.
- Circulation of cold water for air conditioning.
- Circulation of cold water for cooling.

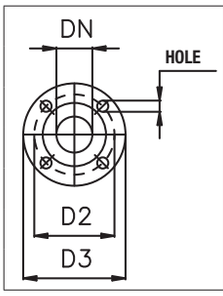
Highly versatile pumps thanks to the use of the MCE/C inverter, to guarantee performance able to automatically adapt to the various system requirements, while maintaining constant differential pressure. Spiral single-stage body in cast iron according to DIN-EN 733 (ex DIN 24255), cast iron support, flanges according to DIN 2533 and DIN 2532 for DN 200. Cast iron impeller, sealed and dynamically balanced with compensation of the axial thrust via balancing holes, operating (on request) on interchangeable wear rings.
Pump shaft in AISI 304 stainless steel. Seal: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with O-rings in EPDM. Asynchronous, closed motor cooled by external ventilation, construction design B3/B5, 2-pole for NKPGE and 4-pole for NKM-GE. Rotor mounted on generously sized ball bearings to ensure silent and durable operation.
Speed of rotation: 1450 - 2900 1/min.
Operating range: from 1 a 450 m^3/h head up to 72 metri.
Liquid temp. range: from -10°C to +140°C.
Pumped liquid: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.
Installation: normally horizontal or vertical provided the motor is always above the pump.
Max. ambient temperature: +40°C.
Maximum operating pressure: 16 bar - 1600 kPa (for DN 200 max. 10 bar).
Protection rating: IP 55.
Insulation class: F.
Flanging: PN 16 DIN 2533.
Special versions on request:
Pumps for liquids other than water.
Other voltages and/or frequencies.
Inverter modulation with 0-10V signal



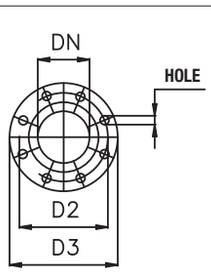
N.	PARTS	MATERIALS *(STANDARD VERSION)*
1	PUMP BODY	250 UNI ISO 185 CAST IRON
3	SUPPORT	250 UNI ISO 185 CAST IRON
4	IMPELLER	250 UNI ISO 185 CAST IRON
7A	PUMP SHAFT	AISI 304 - UNI 6900/71 STAINLESS STEEL
16	MECHANICAL SEAL	CARBON/CARBORUNDUM - EPDM
28	O RING	VITON
37	BLEED COCK	AISI 304 - UNI 6900/71 STAINLESS STEEL

N.	PARTS	MATERIALS *(STANDARD VERSION)*
4	IMPELLER	BRONZE GCuSn5Zn5Pb5 UNI 7013/8a-72
16	MECHANICAL SEAL	CARBON/CARBORUNDUM - PTFE CARBORUNDUM/CARBORUNDUM - VITON CARBON/CARBORUNDUM - VITTON

FLANGE DIMENSIONS (mm)



		Nominal diameter			
		DIN 2533 PN 16			
DN		32	40	50	65
D2		100	110	125	145
D3		140	150	165	185
Hole	Ø	18			
	N°	4			



Nominal diameter				
DIN 2533 PN 16				DIN 2532 PN 16
80	100	125	150	200
160	180	210	240	295
200	220	250	285	340
18				22
8				8

TECHNICAL DATA - NKM-GE 4 POLES

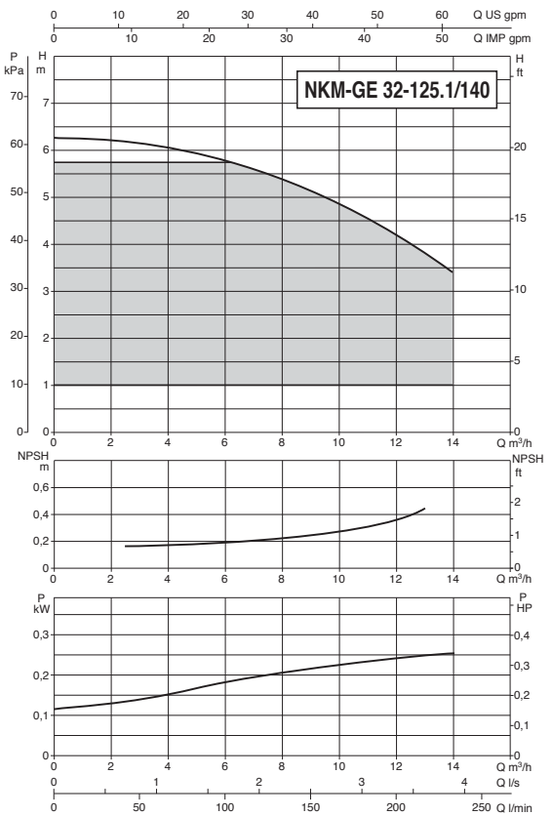
MODEL	CODE	ELECTRICAL DATA					MOTOR SIZE	Ø mm MECHANICAL SEAL	DNA	DNM
		VOLTAGE 50 Hz	P1 PUMPS+INVERTER [KW]	P2 NOMINAL kW	P2 NOMINAL HP	In A				
NKM-GE 32-125.1/140/A/BAQE/0.25/4 M MCE11/C	60142859	1x220-240 V ~	0,44	0,25	0,33	4,7	MEC71	28	50	32
NKM-GE 32-125/142/A/BAQE/ 0.37/4 M MCE11/CMCE11/C	60143037	1x220-240 V ~	0,55	0,37	0,50	5,5	MEC71	28	50	32
NKM-GE 32-160.1/169/A/BAQE/0.37/4 M MCE11/C	60143038	1x220-240 V ~	0,55	0,37	0,50	5,5	MEC71	28	50	32
NKM-GE 32-160/169/A/BAQE/0,55/4 M MCE11/C	60142862	1x220-240 V ~	0,78	0,55	0,75	6,9	MEC80	28	50	32
NKM-GE 32-200.1/200/A/BAQE/0,55/4 M MCE11/C	60142863	1x220-240 V ~	0,78	0,55	0,75	6,9	MEC80	28	50	32
NKM-GE 32-200/219/A/BAQE/1,1/4 M MCE11/C* [1]	60142865	1x220-240 V ~	1,46	1,10	1,50	11,2	MEC90S	28	50	32
NKM-GE 40-125/142/A/BAQE/0.55/4 M MCE11/C	60142868	1x220-240 V ~	0,78	0,55	0,75	6,9	MEC80	28	65	40
NKM-GE 40-160/166/A/BAQE/0.75/4 M MCE11/C* [1]	60142870	1x220-240 V ~	1,04	0,75	1,00	8,6	MEC80	28	65	40
NKM-GE 40-200/219/A/BAQE/1,5 /4 M MCE15/C* [1]	60142872	1x220-240 V ~	1,98	1,50	2,00	14,6	MEC90L	28	65	40
NKM-GE 40-250/260/A/BAQE/3/4 T MCE30/C*	60142874	3x400 V ~	3,80	3,00	4,00	7,0	MEC100L	28	65	40
NKM-GE 50-125/141/A/BAQE/0.75/4 M MCE11/C* [1]	60142877	1x220-240 V ~	1,04	0,75	1,00	8,6	MEC80	28	65	50
NKM-GE 50-160/177/A/BAQE/1,5/4 M MCE15/C* [1]	60142879	1x220-240 V ~	1,98	1,50	2,00	14,6	MEC90L	28	65	50
NKM-GE 50-200/219/A/BAQE/ 3 /4 T MCE30/C*	60142881	3x400 V ~	3,80	3,00	4,00	7,0	MEC100L	28	65	50
NKM-GE 50-250/263/A/BAQE/4/4 T MCE55/C*	60142882	3x400 V ~	4,95	4,00	5,50	9,3	MEC112M	28	65	50
NKM-GE 65-125/144A/BAQE/1.1/4 M MCE11/C* [1]	60142884	1x220-240 V ~	1,46	1,10	1,50	11,2	MEC90S	28	80	65
NKM-GE 65-160/153/A/BAQE/1,1/4 M MCE11/C* [1]	60142886	1x220-240 V ~	1,46	1,10	1,50	11,2	MEC90S	28	80	65
NKM-GE 65-160/177/A/BAQE/2,2/4 M MCE22/C* [1]	60142891	1x220-240 V ~	2,79	2,20	3,00	19,8	MEC100L	28	80	65
NKM-GE 65-200/210/A/BAQE/ 3 /4 T MCE30/C*	60142892	3x400 V ~	3,80	3,00	4,00	7,0	MEC100L	28	80	65
NKM-GE 65-200/219/A/BAQE/ 4/4 T MCE55/C*	60142893	3x400 V ~	4,95	4,00	5,50	9,3	MEC112M	28	80	65
NKM-GE 65-250/263/A/BAQE/5,5/4 T MCE55/C*	60142894	3x400 V ~	6,55	5,50	7,50	12,5	MEC132S	38	80	65
NKM-GE 65-315/309/A/BAQE/11/4 T MCE110/C*	60142897	3x400 V ~	13,01	11,00	15,00	25,7	MEC160M	38	80	65
NKM-GE 80-160/163/A/BAQE/2,2/4 M MCE22/C* [1]	60142899	1x220-240 V ~	2,79	2,20	3,00	19,8	MEC100L	28	100	80
NKM-GE 80-160/177/A/BAQE/3/4 T MCE30/C*	60142900	3x400 V ~	3,80	3,00	4,00	7,0	MEC100L	28	100	80
NKM-GE 80-200/222/A/BAQE/5,5/4 T MCE55/C*	60142902	3x400 V ~	6,55	5,50	7,50	12,5	MEC132S	38	100	80
NKM-GE 80-250/270/A/BAQE/11/4 T MCE110/C*	60142904	3x400 V ~	13,01	11,00	15,00	25,7	MEC160M	38	100	80
NKM-GE 80-315/305/A/BAQE/15/4 T MCE150/C*	60142919	3x400 V ~	17,48	15,00	20,00	34,7	MEC160L	38	100	80
NKM-GE 100-200/200/A/BAQE/5.5/4 T MCE55/C*	60142923	3x400 V ~	6,55	5,50	7,50	12,5	MEC132S	38	125	100
NKM-GE 100-200/214A/BAQE/7.5/4 T MCE110/C*	60142921	3x400 V ~	8,90	7,50	10,00	17,3	MEC132M	38	125	100
NKM-GE 100-250/250/A/BAQE/11/4 T MCE110/C*	60142924	3x400 V ~	13,01	11,00	15,00	25,7	MEC160M	38	125	100
NKM-GE 100-250/270/A/BAQE/15/4 T MCE150/C*	60142925	3x400 V ~	17,48	15,00	20,00	34,7	MEC160L	38	125	100
NKM-GE 125-250/243/A/BAQE/15/4 T MCE150/C*	60142926	3x400 V ~	17,48	15,00	20,00	34,7	MEC160L	38	150	125
NKM-GE 150-200/218/A/BAQE/11/4 T MCE110/C*	60142927	3x400 V ~	13,01	11,00	15,00	25,7	MEC160M	38	200	150

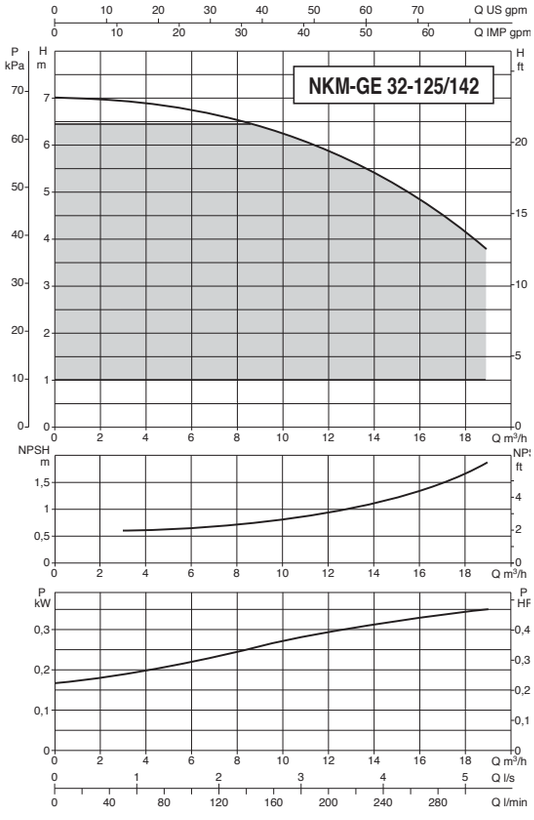
*** NEW IE2 MOTOR**

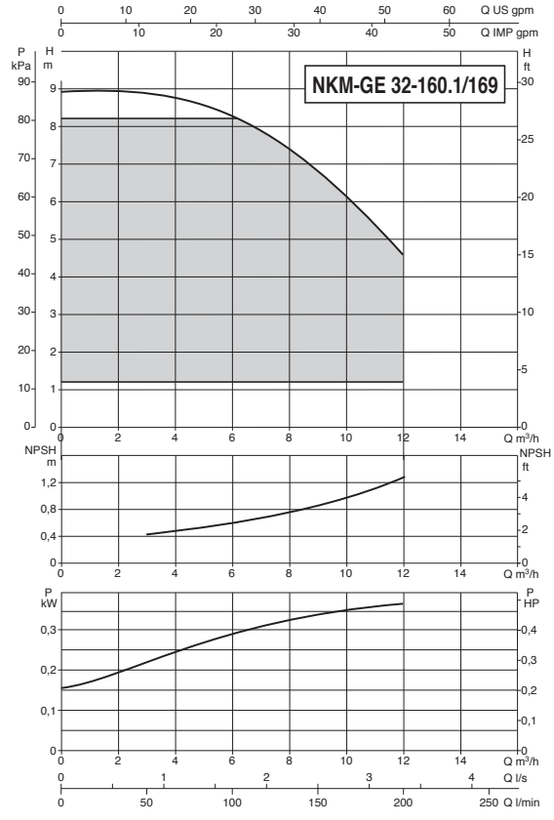
[1] Three-phase versions available on request.

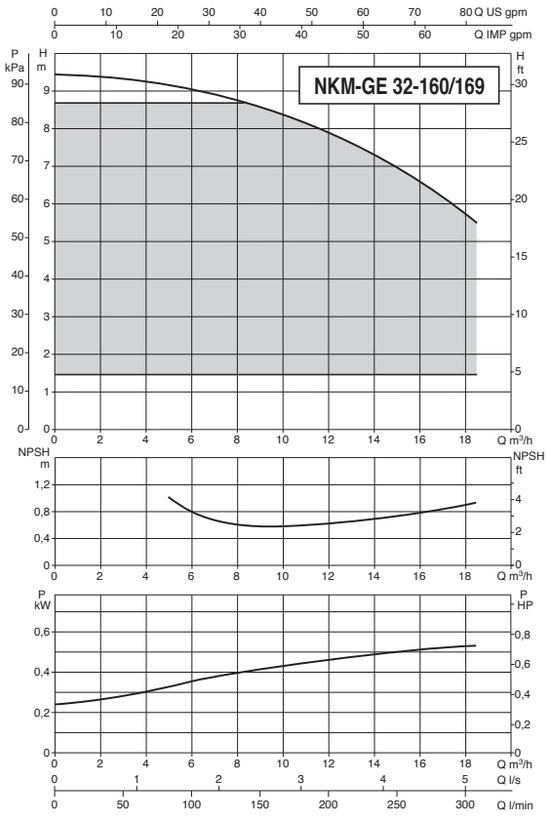
NKM-GE 4 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

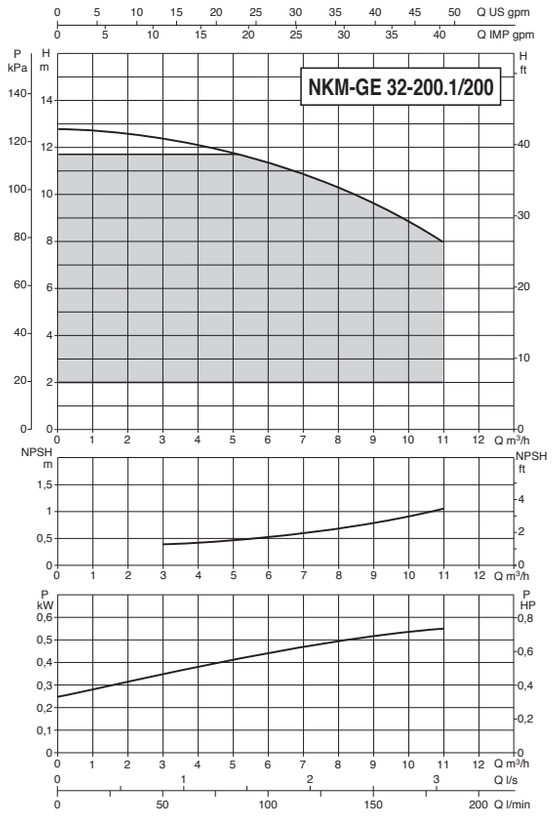


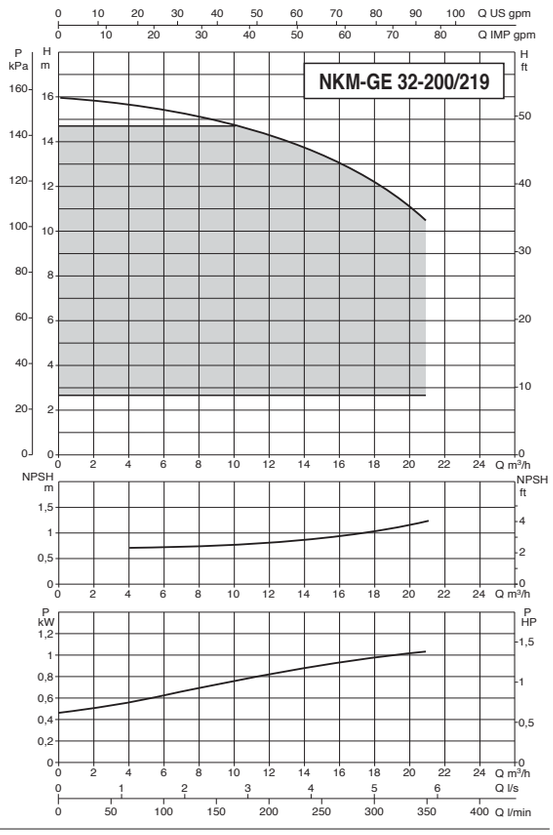


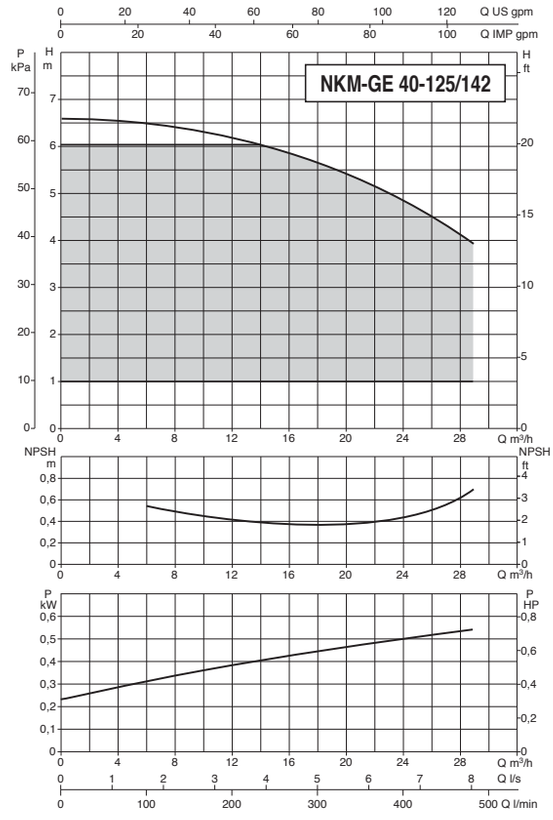


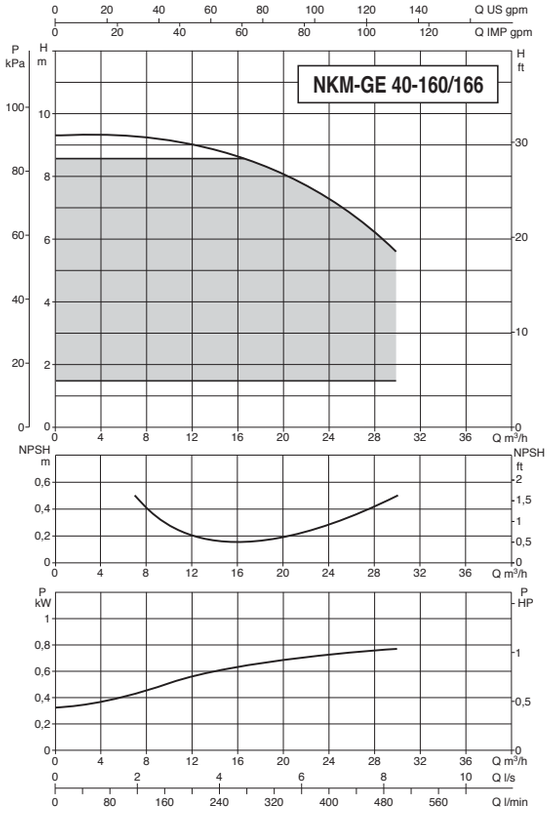


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.





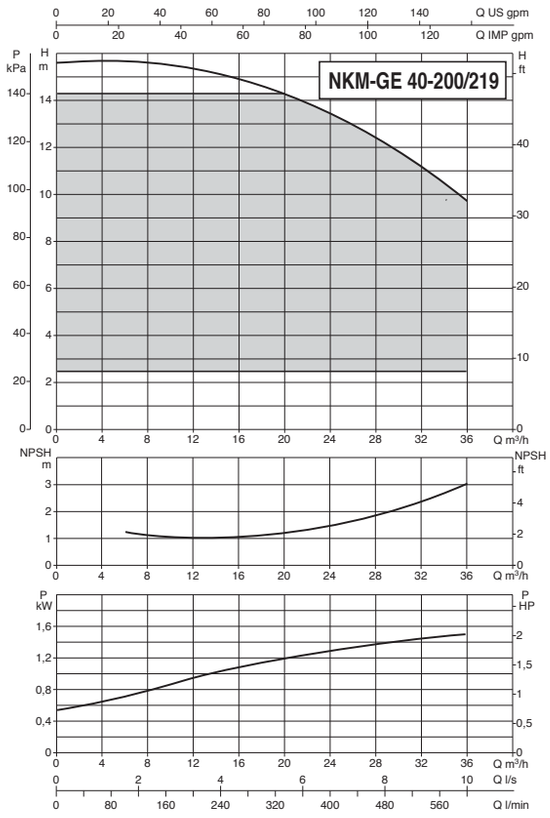


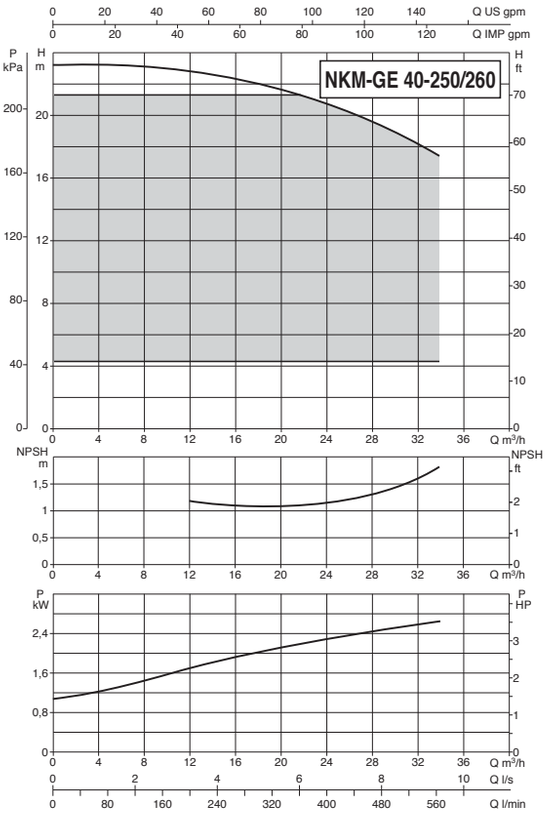


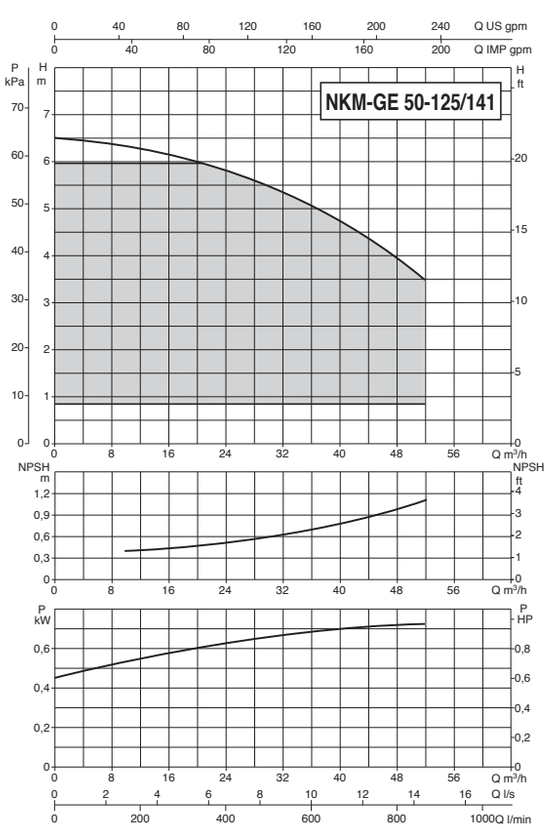
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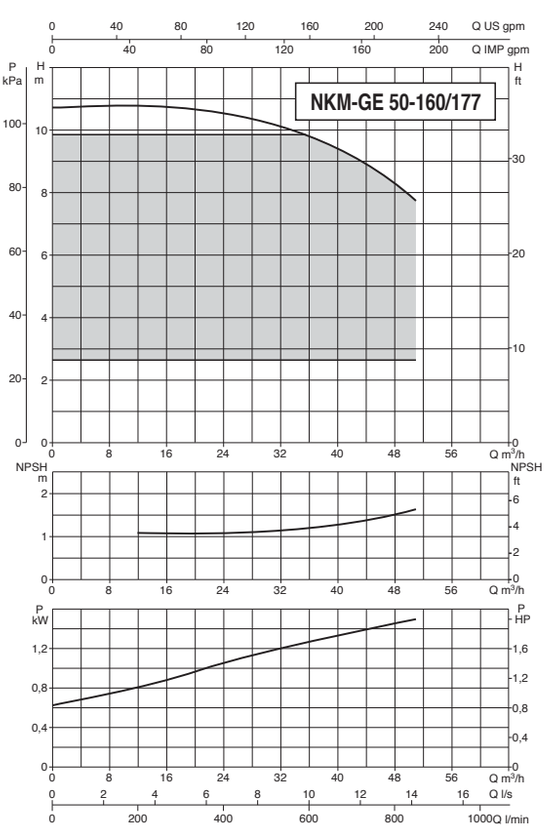
NKM-GE 4 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

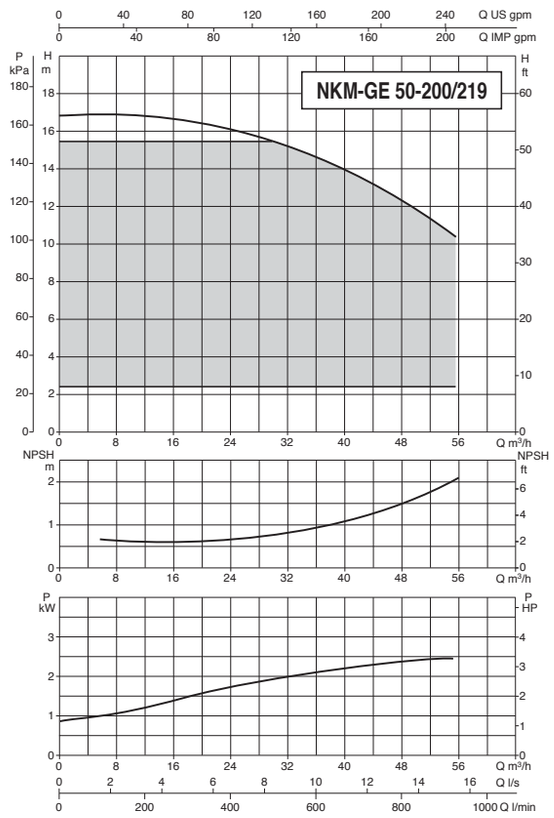


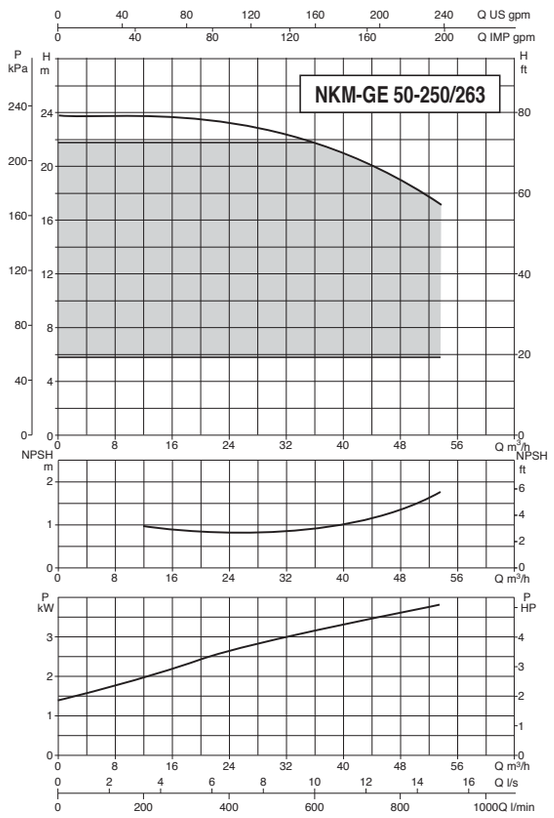


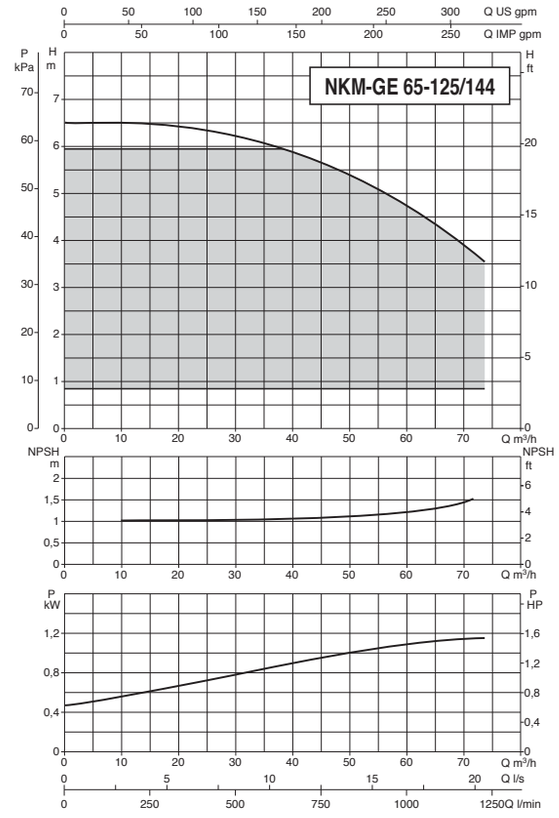


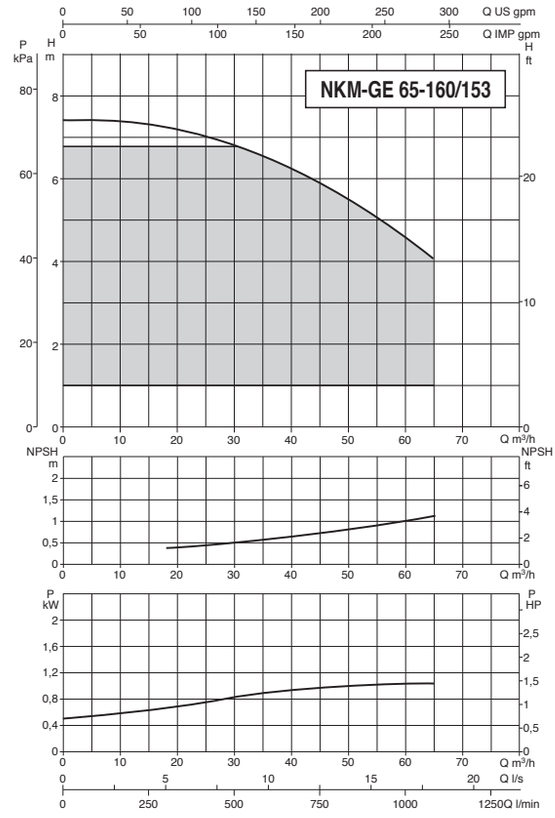


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.





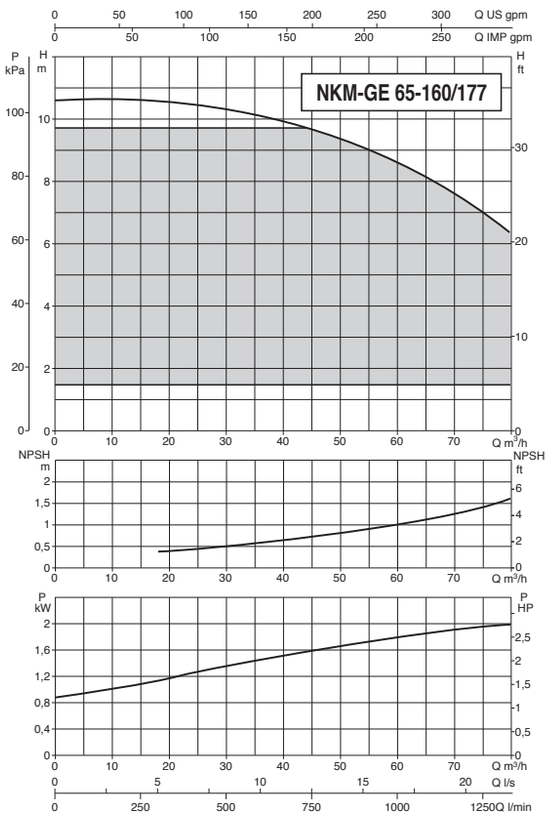


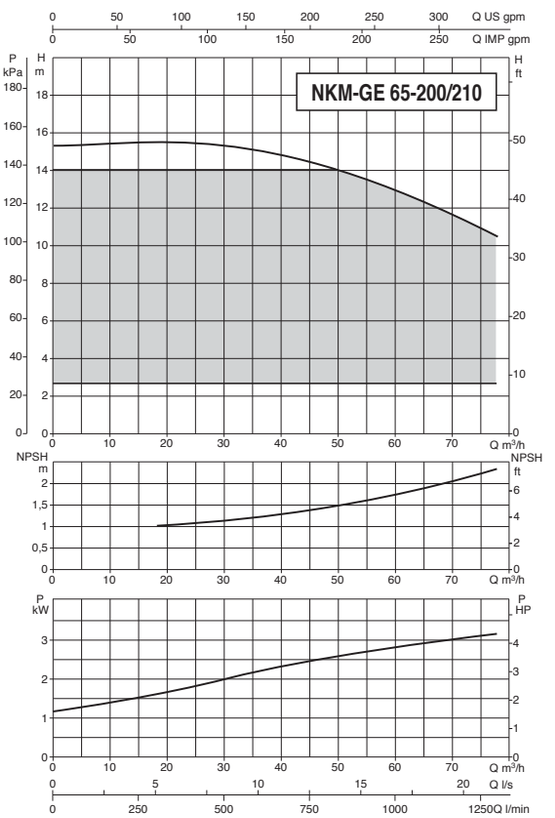


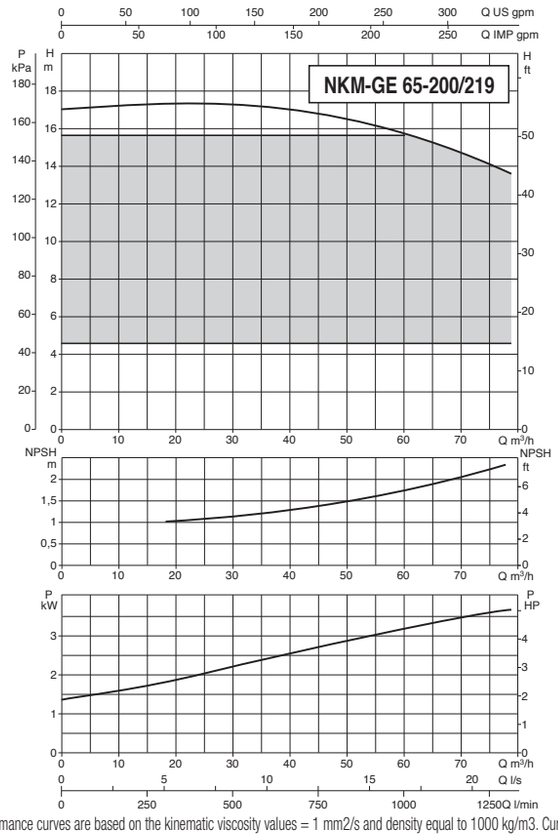
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

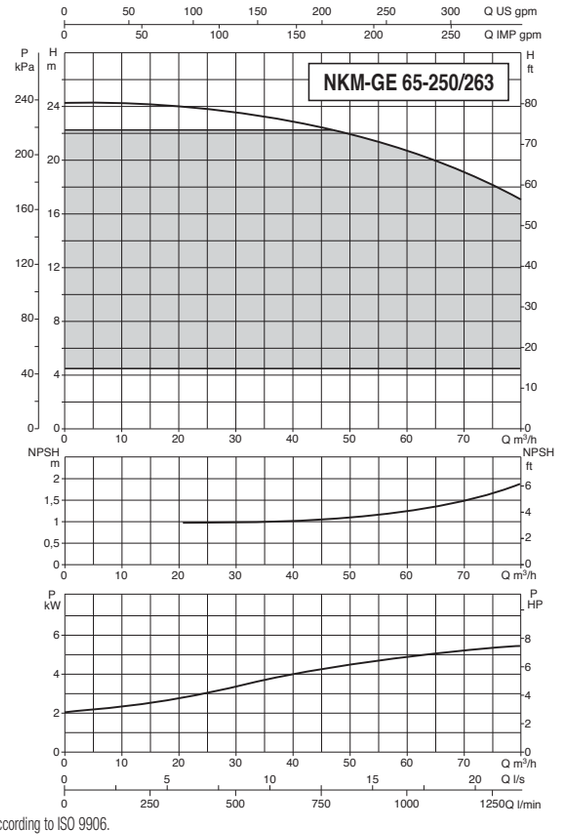
NKM-GE 4 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

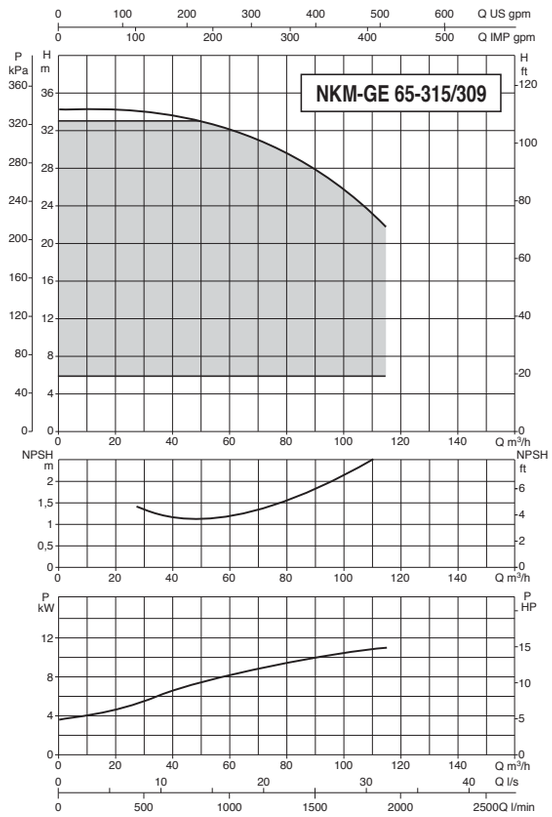


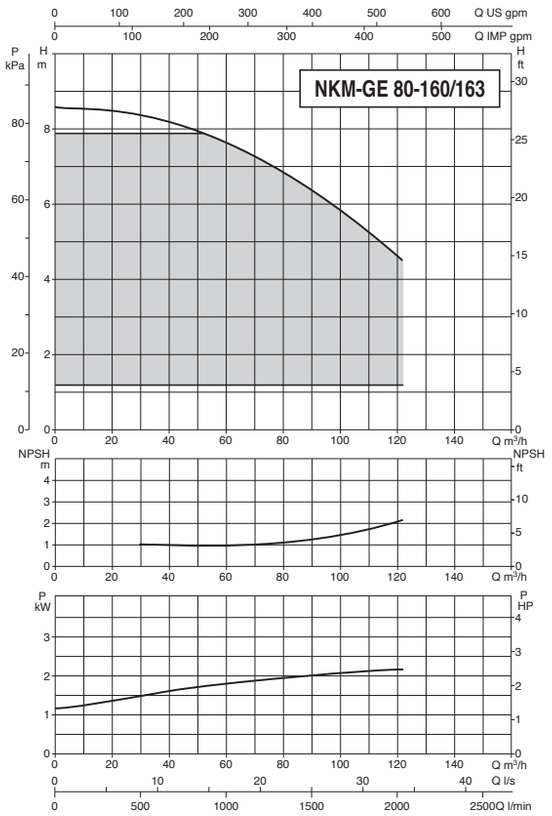


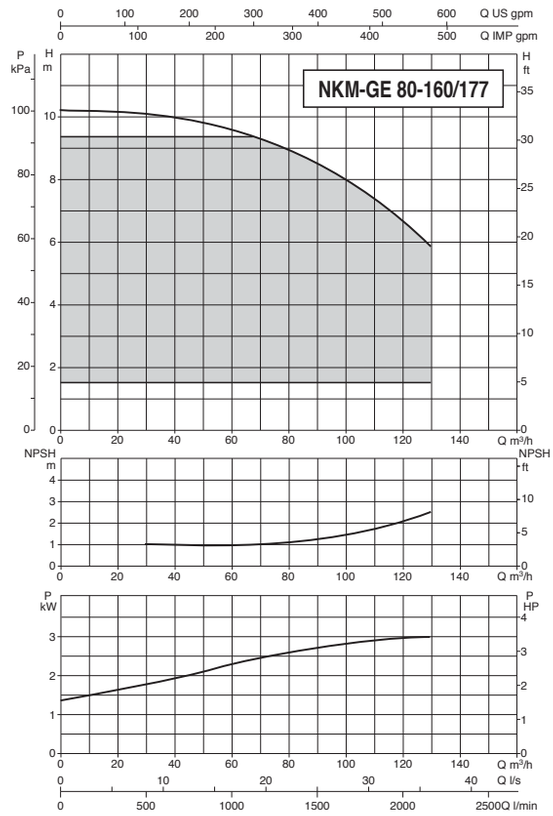


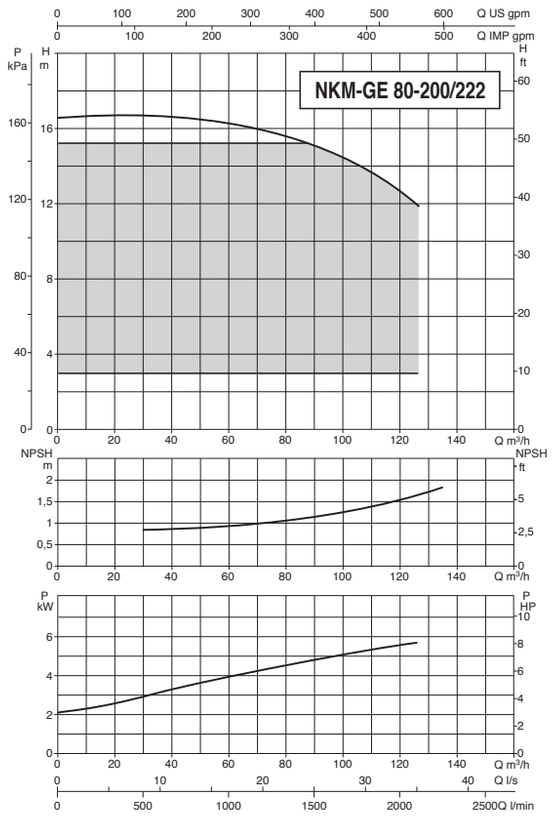


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.





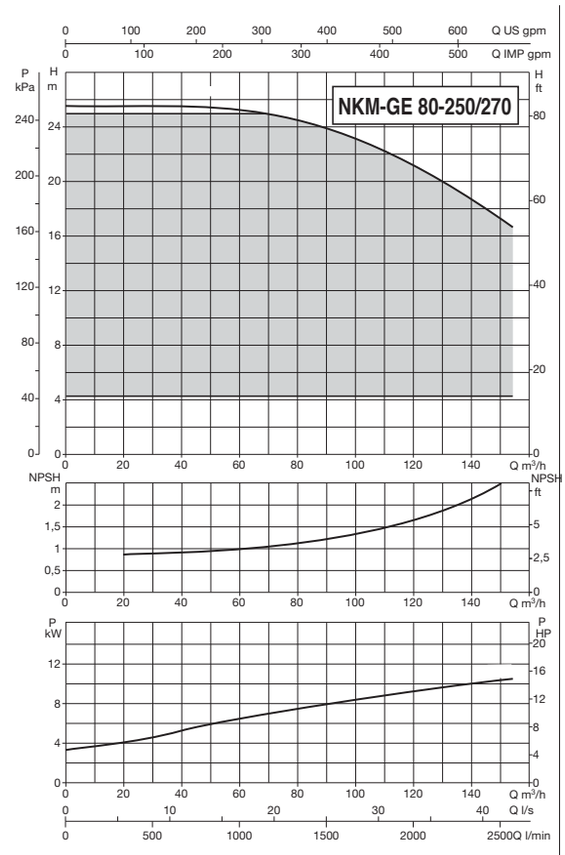


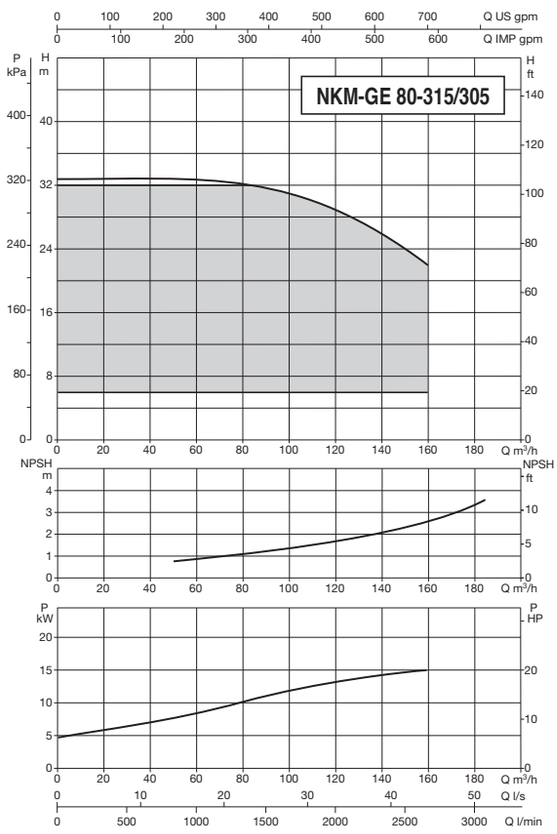


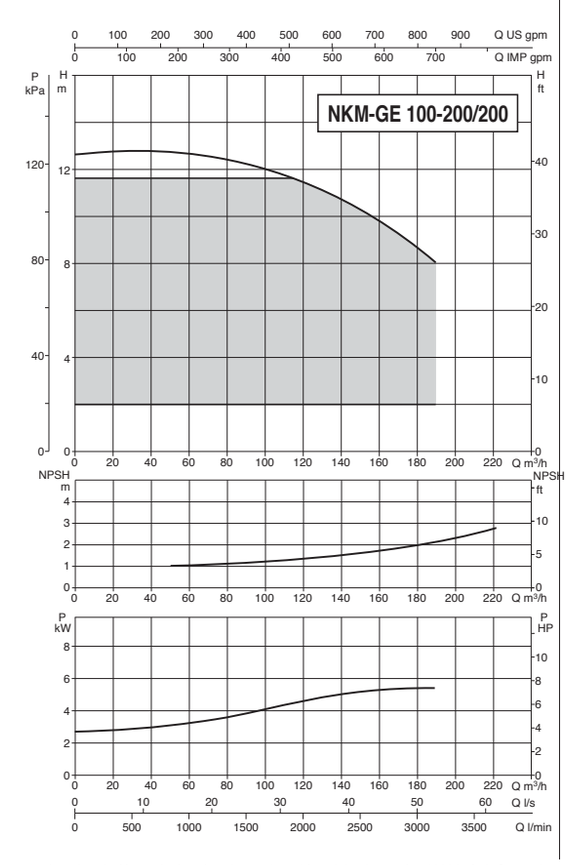
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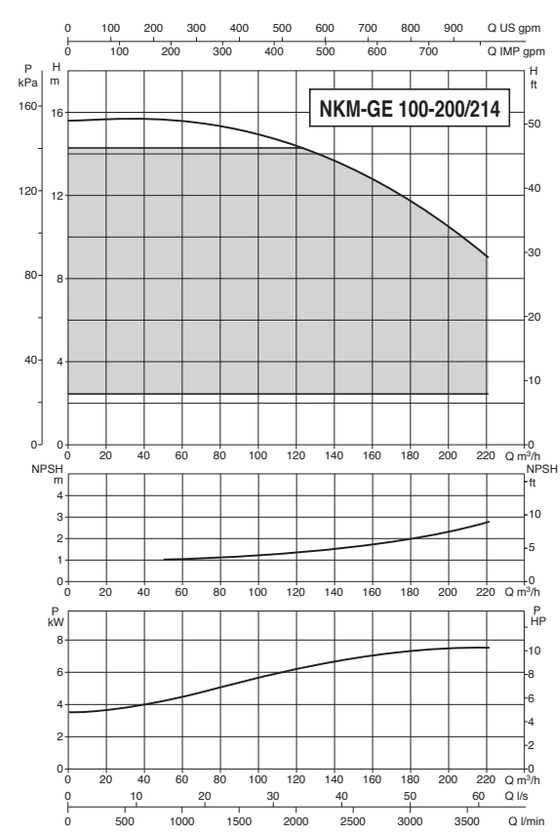
NKM-GE 4 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

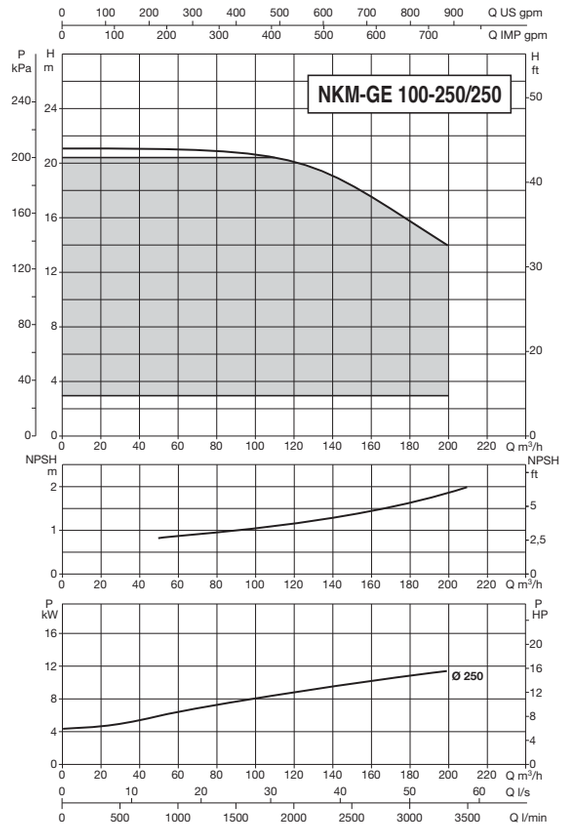


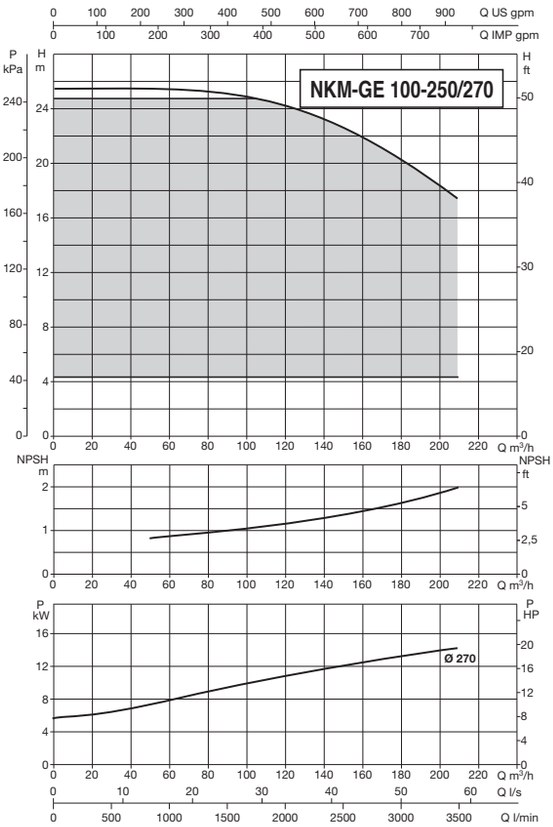


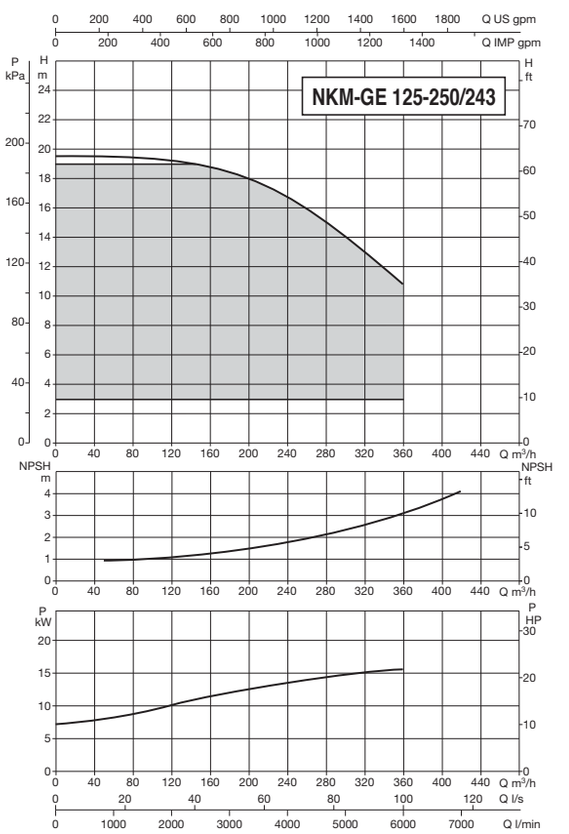


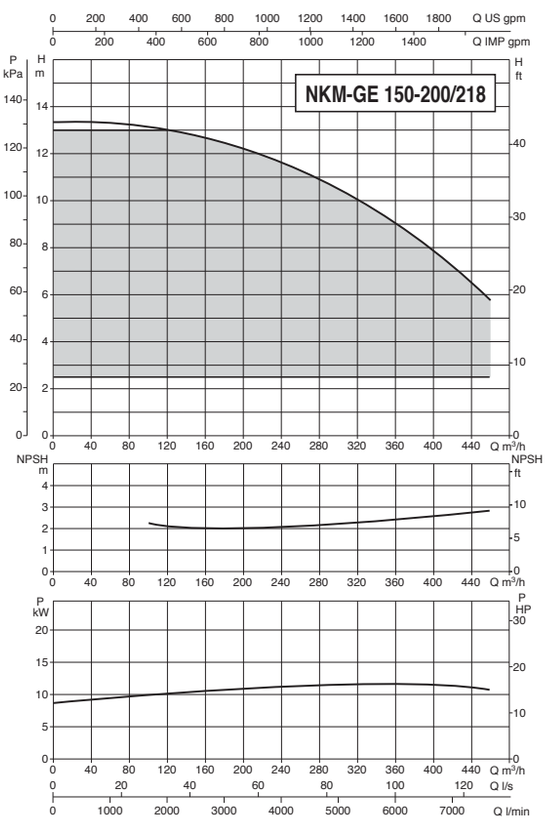


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.





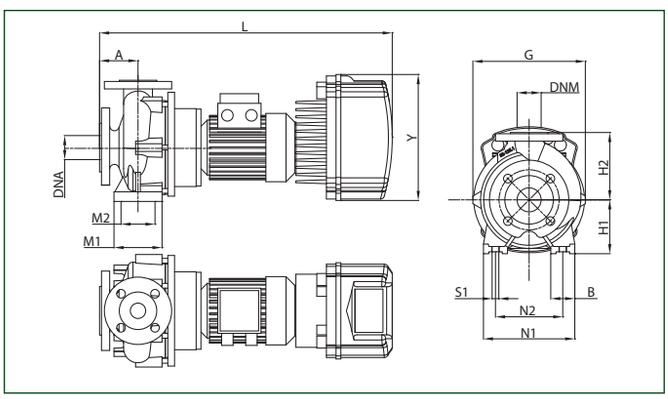




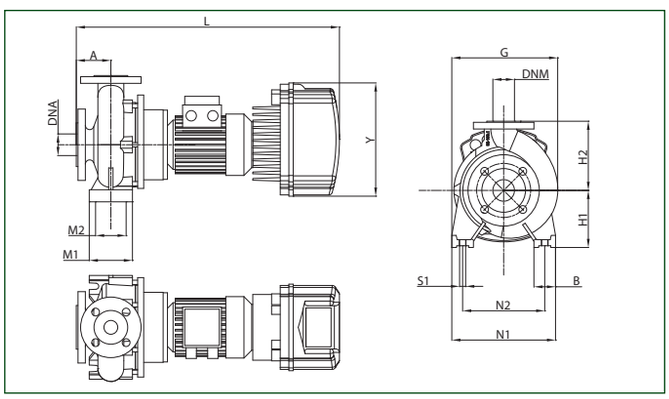
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

DIMENSIONS AND WEIGHTS

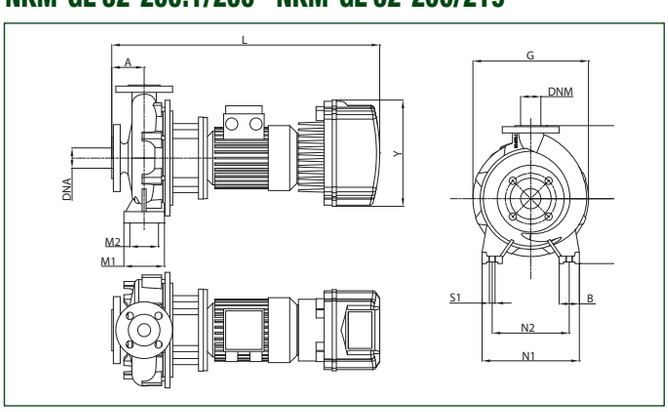
NKM-GE 32-125.1/140 - NKM-GE 32-125/142



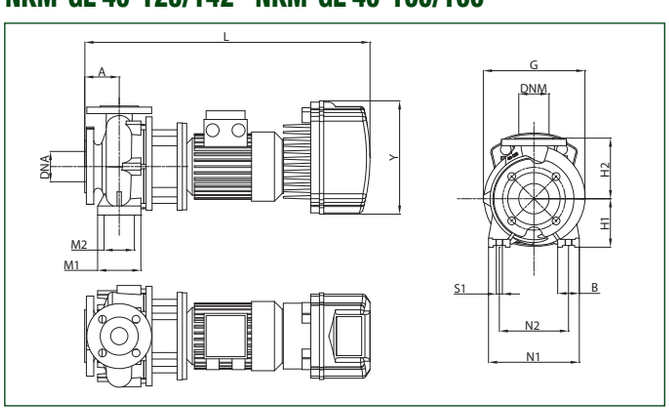
NKM-GE 32-160.1/169 - NKM-GE 32-160/169



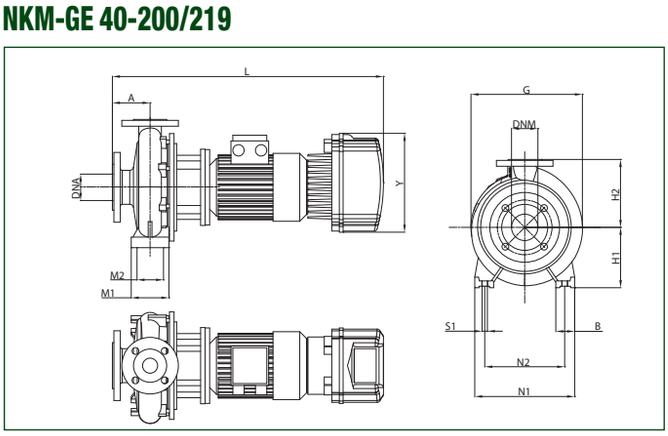
NKM-GE 32-200.1/200 - NKM-GE 32-200/219



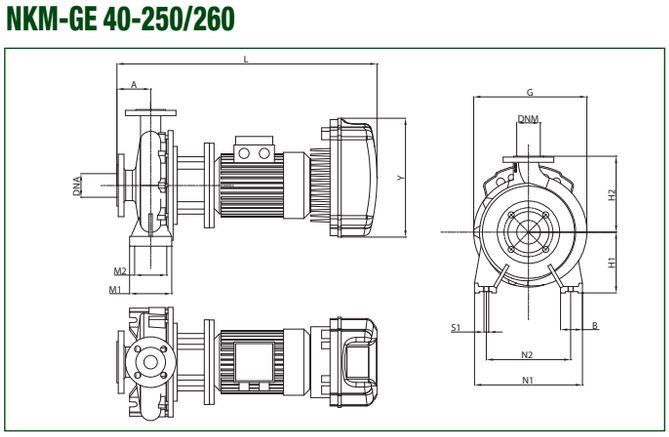
NKM-GE 40-125/142 - NKM-GE 40-160/166



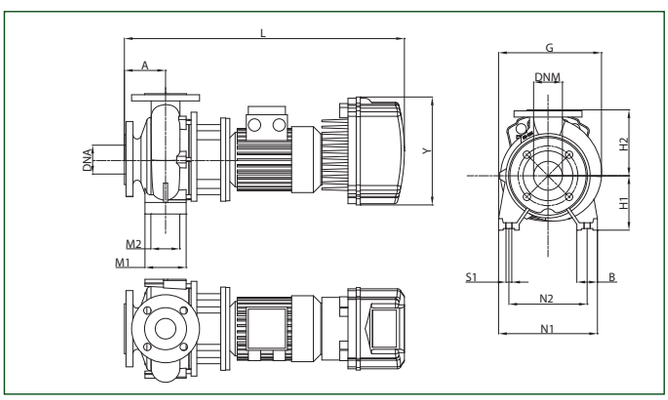
NKM-GE 40-200/219



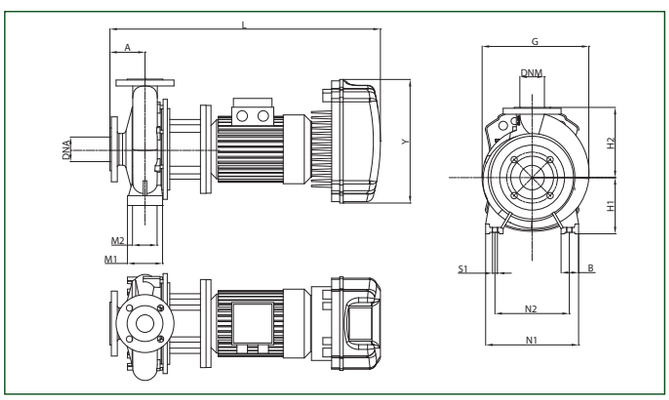
NKM-GE 40-250/260



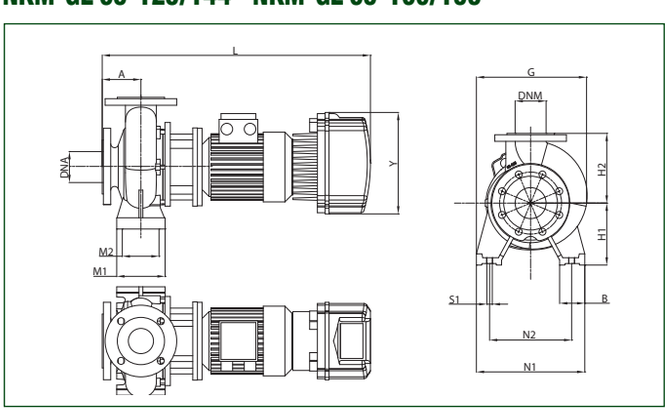
NKM-GE 50-125/141 - NKM-GE 50-160/177



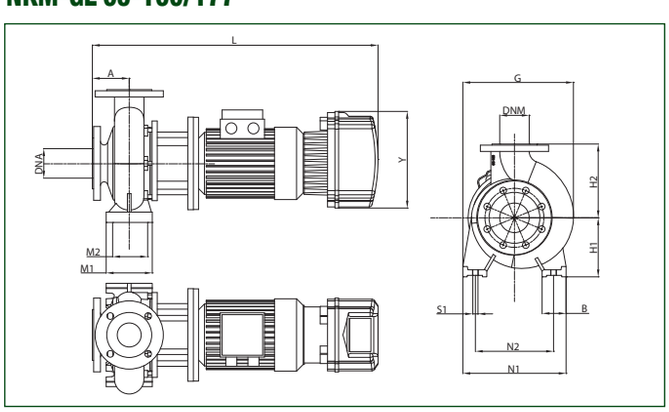
NKM-GE 50-200/219 - NKM-GE 50-250/263



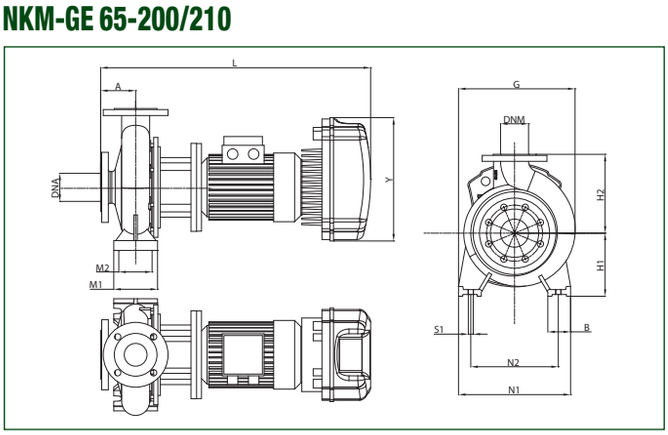
NKM-GE 65-125/144 - NKM-GE 65-160/153



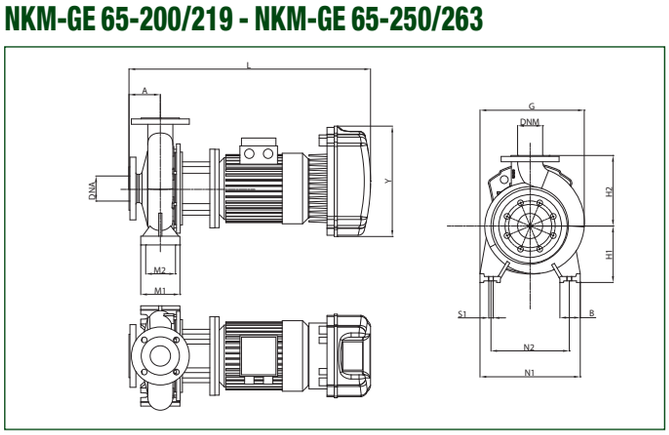
NKM-GE 65-160/177



NKM-GE 65-200/210



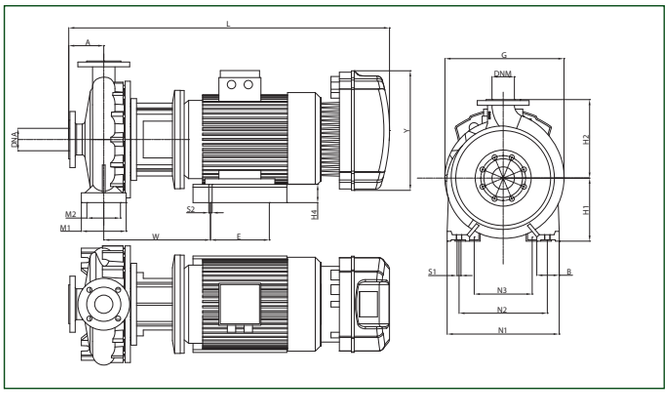
NKM-GE 65-200/219 - NKM-GE 65-250/263



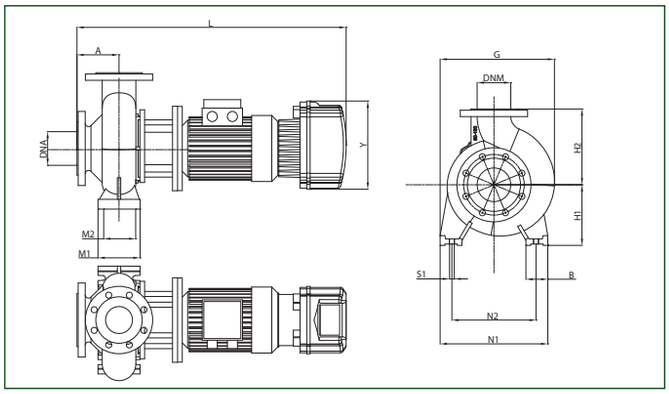
NKM-GE 4 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

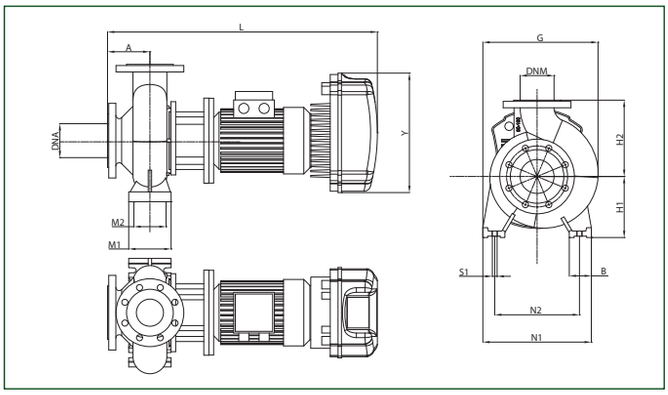
NKM-GE 65-315/309



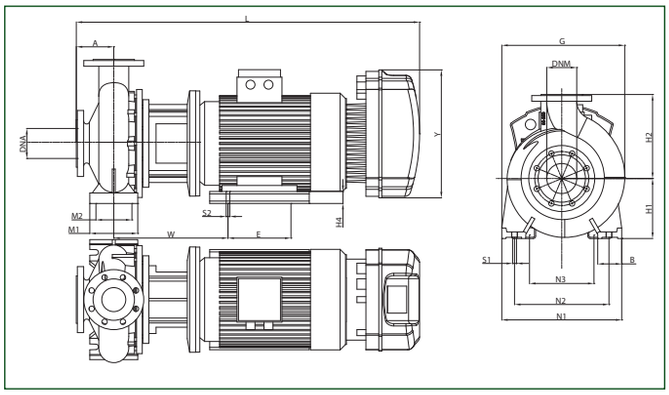
NKM-GE 80-160/163



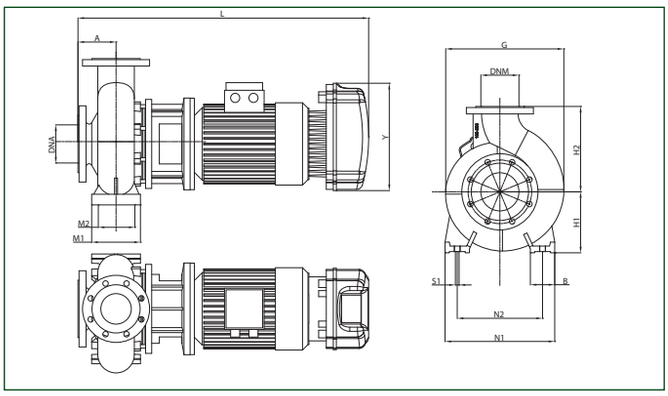
NKM-GE 80-160/177 - NKM-GE 80-200/222



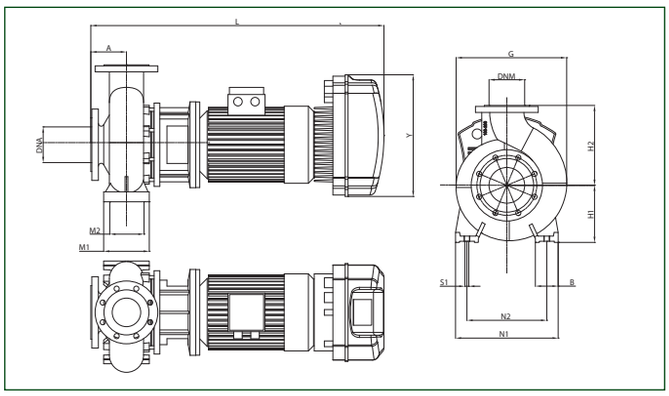
NKM-GE 80-250/270 - NKM-GE 80-315/305



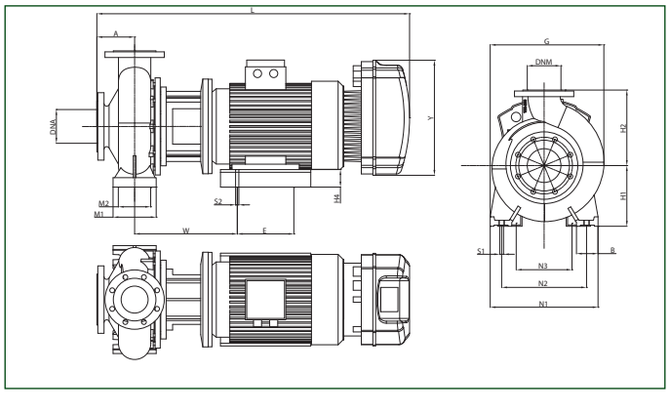
NKM-GE 100-200/200



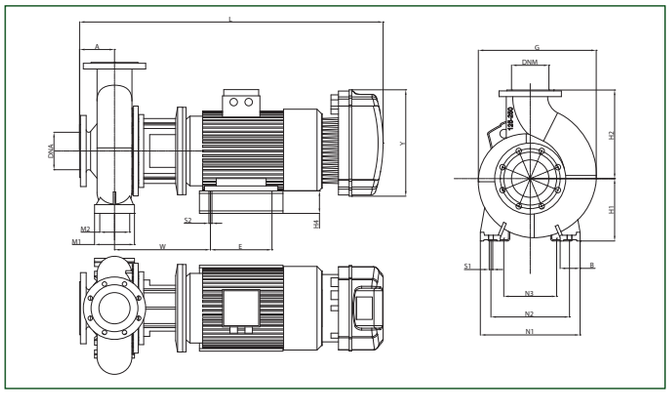
NKM-GE 100-200/214



NKM-GE 100-250/250 - NKM-GE 100-250/270



NKM-GE 125-250/243 - NKM-GE 150-200/218



NKM-GE 4 POLES
ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

MODEL	A	B	G	H1	H2	L	M1	M2	N1	N2	S1	X	Y	PACKAGING DIMENSIONS			WEIGHT KG
														L/A	L/B	H	
NKM-GE 32-125.1/140/A/BAQE/0.25/4 M MCE11/C	80	50	234	112	140	609	100	70	190	140	M10	100	262	850	500	660	36
NKM-GE 32-125/142/A/BAQE/ 0.37/4 M MCE11/CMCE11/C	80	50	234	112	140	609	100	70	190	140	M10	100	262	850	500	660	39
NKM-GE 32-160.1/169/A/BAQE/0.37/4 M MCE11/C	80	50	245	132	160	609	100	70	240	190	M10	100	262	850	500	660	38
NKM-GE 32-160/169/A/BAQE/0,55/4 M MCE11/C	80	50	245	132	160	660	100	70	240	190	M10	100	262	850	500	660	46
NKM-GE 32-200.1/200/A/BAQE/0,55/4 M MCE11/C	80	50	279	160	180	660	100	70	240	190	M10	100	262	850	500	660	55
NKM-GE 32-200/219/A/BAQE/1,1/4 M MCE11/C	80	50	279	160	180	673	100	70	240	190	M10	100	262	850	500	660	66
NKM-GE 40-125/142/A/BAQE/0.55/4 M MCE11/C	80	50	235	112	140	635	100	70	210	160	M10	100	262	850	500	660	51
NKM-GE 40-160/166/A/BAQE/0.75/4 M MCE11/C	80	50	253	132	160	660	100	70	240	190	M10	100	262	850	500	660	54
NKM-GE 40-200/219/A/BAQE/1,5 /4 M MCE15/C	100	50	296	160	180	718	100	70	265	212	M10	100	262	850	500	660	70
NKM-GE 40-250/260/A/BAQE/3/4 T MCE30/C	100	65	336	180	225	775	125	95	320	250	M10	100	353	850	500	660	98
NKM-GE 50-125/141/A/BAQE/0.75/4 M MCE11/C	100	50	250	132	160	680	100	70	240	190	M10	100	262	850	500	660	55
NKM-GE 50-160/177/A/BAQE/1,5/4 M MCE15/C	100	50	282	160	180	746	100	70	265	212	M10	100	262	850	500	660	64
NKM-GE 50-200/219/A/BAQE/ 3 /4 T MCE30/C	100	50	302	160	200	775	100	70	265	212	M10	100	353	850	500	660	90
NKM-GE 50-250/263/A/BAQE/4/4 T MCE55/C	100	65	343	180	225	775	125	95	320	250	M10	100	353	850	500	660	105
NKM-GE 65-125/144A/BAQE/1.1/4 M MCE11/C	100	65	286	160	180	693	125	95	280	212	M10	100	262	850	500	660	65
NKM-GE 65-160/153/A/BAQE/1,1/4 M MCE11/C	100	65	302	160	200	693	125	95	280	212	M10	100	262	850	500	660	67
NKM-GE 65-160/177/A/BAQE/2,2/4 M MCE22/C	100	65	302	160	200	779	125	95	280	212	M10	100	262	850	500	660	80
NKM-GE 65-200/210/A/BAQE/ 3 /4 T MCE30/C	100	65	333	180	225	779	125	95	320	250	M10	140	353	850	500	660	97
NKM-GE 65-200/219/A/BAQE/ 4/4 T MCE55/C	100	65	333	180	225	802	125	95	320	250	M10	140	353	850	500	660	105
NKM-GE 65-250/263/A/BAQE/5,5/4 T MCE55/C	100	80	370	200	250	913	160	120	360	280	M14	140	353	1100	550	620	168

MODEL	A	B	E	G	H1	H2	H4	L	M1	M2	N1	N2	N2	S1	S2	W	X	Y	PACKAGING DIMENSIONS			WEIGHT KG
																			L/A	L/B	H	
NKM-GE 65-315/309/A/BAQE/11/4 T MCE110/C	125	80	210	429	225	280	65	1108	160	120	400	315	254	M14	M12	402	140	426	1250	560	575	263
NKM-GE 80-160/163/A/BAQE/2,2/4 M MCE22/C	125	65		342	180	225		804	125	95	320	250		M10			140	262	850	500	660	87
NKM-GE 80-160/177/A/BAQE/3/4 T MCE30/C	125	65		342	180	225		804	125	95	320	250		M10			140	353	850	500	660	96
NKM-GE 80-200/222/A/BAQE/5,5/4 T MCE55/C	125	65		365	180	250		938	125	95	345	280		M10			140	353	1100	550	620	156
NKM-GE 80-250/270/A/BAQE/11/4 T MCE110/C	125	80	210	410	200	280	40	1108	160	120	400	315	254	M14	M12	381	140	426	1250	560	575	237
NKM-GE 80-315/305/A/BAQE/15/4 T MCE150/C	125	80	254	460	250	315	90	1188	160	120	400	315	254	M14	M12	402	140	426	1250	560	575	294
NKM-GE 100-200/200/A/BAQE/5.5/4 T MCE55/C	125	80		392	200	280		938	160	120	360	280		M14			140	353	1100	550	620	169
NKM-GE 100-200/214A/BAQE/7.5/4 T MCE110/C	125	80		392	200	280		1026	160	120	360	280		M14			140	426	1100	550	620	181
NKM-GE 100-250/250/A/BAQE/11/4 T MCE110/C	140	80	210	424	225	280	65	1123	160	120	400	315	254	M14	M12	381	140	426	1250	560	575	245
NKM-GE 100-250/270/A/BAQE/15/4 T MCE150/C	140	80	254	424	225	280	65	1203	160	120	400	315	254	M14	M12	381	140	426	1250	560	575	268
NKM-GE 125-250/243/A/BAQE/15/4 T MCE150/C	140	80	254	472	250	355	90	1203	160	120	400	315	254	M14	M12	381	140	426	1500	660	725	305
NKM-GE 150-200/218/A/BAQE/11/4 T MCE110/C	160	100	210	593	280	400	120	1243	200	150	550	450	254	M16	M12	381	140	426	1500	660	725	-

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS - NKP-GE 2 POLES

PERFORMANCE RANGE

≅ 2900 1/min

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000
NKP-GE 32-125.1/115/A/BAQE/1.1/2 M MCE11/C	1.1	1.5		17.2	17	15	12.5							
NKP-GE 32-125.1/125/A/BAQE/1.5/2 M MCE15/C	1.5	2		21	20.8	19	16.8							
NKP-GE 32-125.1/140/A/BAQE/2.2/2 M MCE22/C	2.2	3		27	26.9	25.9	23	19.5						
NKP-GE 32-125/110/A/BAQE/1.1/2 M MCE11/C	1.1	1.5		15.8	15.2	14.5	12.9	9.9						
NKP-GE 32-125/120/A/BAQE/1.5/2 M MCE15/C	1.5	2		19.3	18.9	18.2	16.8	14.5						
NKP-GE 32-125/130/A/BAQE/2.2/2 M MCE22/C	2.2	3		23.6	23.1	23	21.6	19.6	16.8					
NKP-GE 32-125/142/A/ BAQE/3/2 T MCE30/C	3	4		28.6	28	27.6	26.5	24.6	21.8	17.9				
NKP-GE 32-160.1/166/A/BAQE/3/2 T MCE30/C	3	4		35.3	35	33	28							
NKP-GE 32-160/151/A/BAQE/3/2 T MCE30/C	3	4		30.5	30	29	27	24	19.5					
NKP-GE 32-160/177/A/ BAQE/5,5/2 T MCE55/C	5.5	7.5		43.5	43.2	42.6	41.5	39	36	31.5	25.5			
NKP-GE 32-200.1/205/A/BAQE/5,5/2 T MCE55/C	5.5	7.5		56.6	55.7	52	45.8	36.2						
NKP-GE 32-200/190/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		46.9	46.5	45	43	40	35	29				
NKP-GE 32-200/210/A/BAQE/7.5/2 T MCE110/C	7.5	10		58.8	58	57	56	53	49	44				
NKP-GE 40-125/107/A/BAQE/1.5/2 M MCE15/C	1.5	2		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7		
NKP-GE 40-125/120/A/BAQE/2.2/2 M MCE22/C	2.2	3		19	18.7	18.4	17.8	17	15.9	14.6	13	11		
NKP-GE 40-125/130/A/BAQE/3/2 T MCE30/C	3	4	H (mt)	22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5	
NKP-GE 40-125/139/A/BAQE/4/2 T MCE55/C	4	5.5		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15
NKP-GE 40-160/158/A/BAQE/5,5/2 T MCE55/C	5.5	7.5		33.7			34	33.4	32.4	31	29.5	27	24	
NKP-GE 40-160/172/A/BAQE/7,5/2 T MCE110/C	7.5	10		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30
NKP-GE 40-200/210/A/BAQE/11/2 T MCE110/C	11	15		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5
NKP-GE 40-250/230/A/BAQE/15/2 T MCE150/C	15	20		72.5			72.5	72	70	68	66	62.5	60	56
NKP-GE 50-125/115/A/BAQE/3/2 T MCE30/C	3	4		17				16.5	16	15.5	15	14.5	13.7	13
NKP-GE 50-125/135/A/BAQE/5,5/2 T MCE55/C	5.5	7.5		24				23.6	23.5	23.2	22.8	22.2	21.5	21
NKP-GE 50-125/144/A/BAQE/7,5/2 T MCE110/C	7.5	10		28				27.8	27.5	27.3	27	26.5	25.8	25.3
NKP-GE 50-160/169/A/BAQE/11/2 T MCE110/C	11	15		39.6					39.5	39.3	39.1	39	38.5	38
NKP-GE 50-200/200/A/BAQE/15/2 T MCE150/C	15	20		55.1					54.7	54.6	54	53.5	52	51
NKP-GE 65-125/127/A/BAQE/5,5/2 T MCE55/C	5.5	7.5		19.5						19	18.9	18.7	18.4	18.1
NKP-GE 65-125/137/A/BAQE/7,5/2 T MCE110/C	7.5	10		23.5						23.1	23	22.8	22.6	22.5
NKP-GE 65-160/157/A/BAQE/11/2 T MCE110/C	11	15		32.5								32.3	32	31.9
NKP-GE 65-160/173/A/BAQE/15/2 T MCE150/C	15	20		40.1								39.7	39.6	39.5
NKP-GE 80-160/147-127/A/BAQE/11/2 T MCE110/C	11	15		24										
NKP-GE 80-160/153/A/BAQE/15/2 T MCE150/C	15	20		30.5										

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS - NKP-GE 2 POLES

PERFORMANCE RANGE

66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
26.5																	
39																	
51.5																	
12	11	10	9														
20	19.1	18.5	17.5	16.5	13.4												
24.5	23.5	23	21.5	20.5	18	15.5											
37.2	36.5	35	34	32.5													
49	47.5	45.5	43	41													
17.5	17.2	16.9	16.5	15.8	14.5	13	12										
22	21.6	21.1	20.7	20.2	19	17.5	14.8	12									
31.3	30.2	30	29.2	28.7	27	24.8	23.6										
39.5	39	38.5	38.2	37.5	36	34.5	33.5	26.9									
				22	21.4	20.4	20	17.4	16.8	12							
				29	28.4	27.5	27	24.5	21.3	18.3							

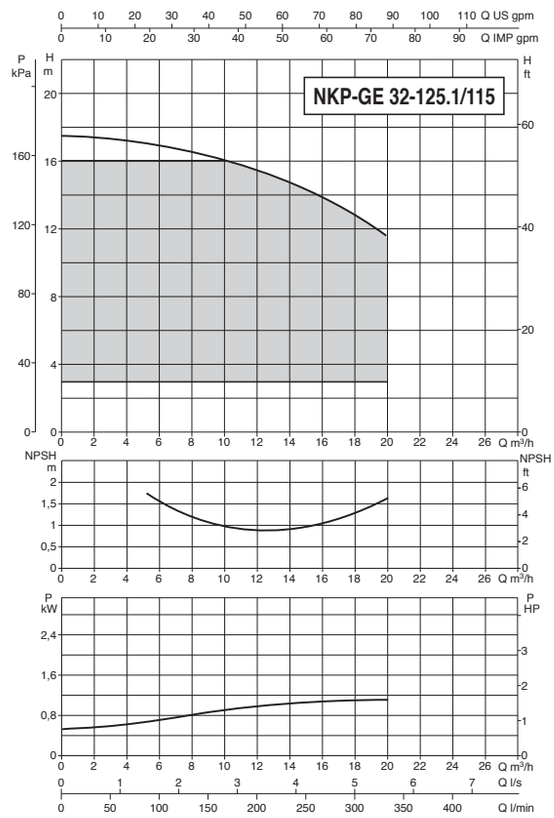
DAB PUMPS reserves the right to make modifications without notice

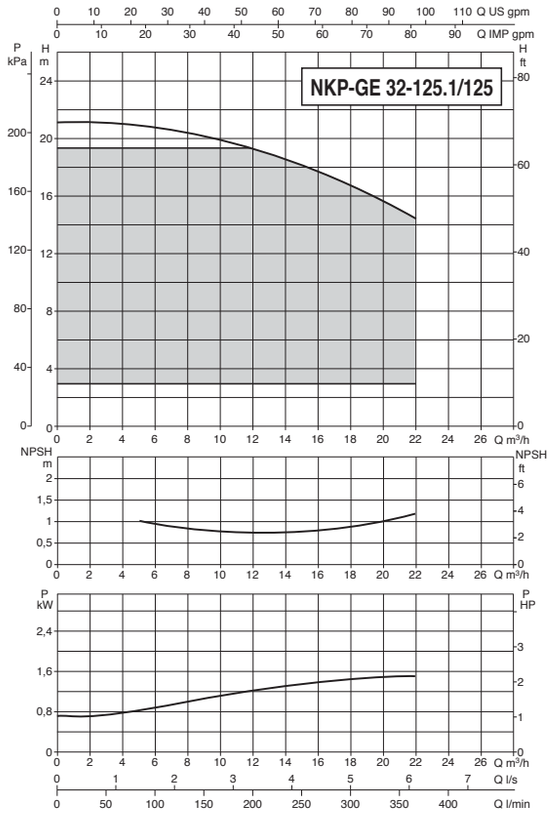
TECHNICAL DATA - NKP-GE 2 POLES

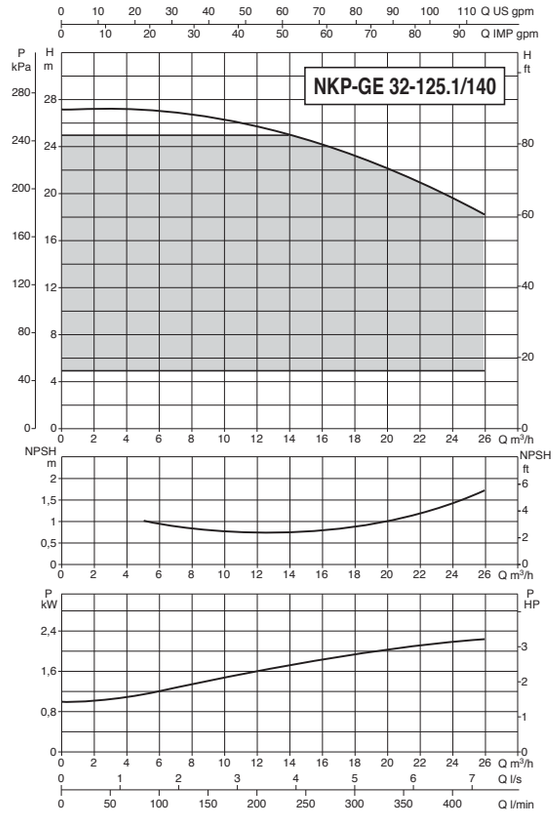
MODEL	CODE	ELECTRICAL DATA					MOTOR SIZE	Ø mm MECHANICAL SEAL	DNA	DNM
		VOLTAGE 50 Hz	P1 PUMPS+INVERTER [KW]	P2 NOMINAL kW	P2 NOMINAL HP	In A				
NKP-GE 32-125.1/115/A/BAQE/1.1/2 M MCE11/C* [1]	60142929	1x220-240 V ~	1,41	1,10	1,5	10,9	MEC80	28	50	32
NKP-GE 32-125.1/125/A/BAQE/1.5/2 M MCE15/C* [1]	60143036	1x220-240 V ~	2,00	1,50	2,0	14,7	MEC90S	28	50	32
NKP-GE 32-125.1/140/A/BAQE/2.2/2 M MCE22/C* [1]	60142931	1x220-240 V ~	2,81	2,20	3,0	19,9	MEC90L	28	50	32
NKP-GE 32-125/110/A/BAQE/1.1/2 M MCE11/C* [1]	60142932	1x220-240 V ~	1,41	1,10	1,5	13,7	MEC80	28	50	32
NKP-GE 32-125/120/A/BAQE/1.5/2 M MCE15/C* [1]	60142933	1x220-240 V ~	2,00	1,50	2,0	17,9	MEC90S	28	50	32
NKP-GE 32-125/130/A/BAQE/2.2/2 M MCE22/C* [1]	60142934	1x220-240 V ~	2,81	2,20	3,0	24,3	MEC90L	28	50	32
NKP-GE 32-125/142/A/ BAQE/3/2 T MCE30/C*	60142935	3x400 V ~	4,05	4,05	4,05	4,05	MEC100L	28	50	32
NKP-GE 32-160.1/166/A/BAQE/3/2 T MCE30/C*	60142937	3x400 V ~	4,05	4,05	4,05	4,05	MEC100L	28	50	32
NKP-GE 32-160/151/A/BAQE/3/2 T MCE30/C*	60142938	3x400 V ~	4,05	3,00	4,0	7,5	MEC100L	28	50	32
NKP-GE 32-160/177/A/ BAQE/5,5/2 T MCE55/C*	60142941	3x400 V ~	6,66	5,50	7,5	12,8	MEC132S	28	50	32
NKP-GE 32-200.1/205/A/BAQE/5,5/2 T MCE55/C*	60142943	3x400 V ~	6,66	5,50	7,5	12,8	MEC132S	28	50	32
NKP-GE 32-200/190/A/BAQE/5.5/2 T MCE55/C*	60142944	3x400 V ~	6,66	5,50	7,5	12,8	MEC132S	28	50	32
NKP-GE 32-200/210/A/BAQE/7.5/2 T MCE110/C*	60142945	3x400 V ~	8,81	7,50	10,0	17,1	MEC132S	28	50	32
NKP-GE 40-125/107/A/BAQE/1.5/2 M MCE15/C* [1]	60142946	1x220-240 V ~	2,00	1,50	2,0	14,7	MEC90S	28	65	40
NKP-GE 40-125/120/A/BAQE/2.2/2 M MCE22/C* [1]	60142947	1x220-240 V ~	2,81	2,20	3,0	19,9	MEC90L	28	65	40
NKP-GE 40-125/130/A/BAQE/3/2 T MCE30/C*	60142948	3x400 V ~	4,05	3,00	4,0	7,5	MEC100L	28	65	40
NKP-GE 40-125/139/A/BAQE/4/2 T MCE55/C*	60142949	1x220-240 V ~	4,94	4,00	5,5	9,3	MEC112M	28	65	40
NKP-GE 40-160/158/A/BAQE/5,5/2 T MCE55/C*	60142950	3x400 V ~	6,66	5,50	7,5	12,8	MEC132S	28	65	40
NKP-GE 40-160/172/A/BAQE/7,5/2 T MCE110/C*	60142951	3x400 V ~	8,81	7,50	10,0	17,1	MEC132S	28	65	40
NKP-GE 40-200/210/A/BAQE/11/2 T MCE110/C*	60142952	3x400 V ~	12,83	11,00	15,0	25,3	MEC160M	28	65	40
NKP-GE 40-250/230/A/BAQE/15/2 T MCE150/C*	60142953	3x400 V ~	17,35	15,00	20,0	34,5	MEC160M	28	65	40
NKP-GE 50-125/115/A/BAQE/3/2 T MCE30/C*	60142955	3x400 V ~	4,05	3,00	4,0	7,5	MEC100L	28	65	50
NKP-GE 50-125/135/A/BAQE/5,5/2 T MCE55/C*	60142957	3x400 V ~	6,66	5,50	7,5	12,8	MEC132S	28	65	50
NKP-GE 50-125/144/A/BAQE/7,5/2 T MCE110/C*	60142958	3x400 V ~	8,81	7,50	10,0	17,1	MEC132S	28	65	50
NKP-GE 50-160/169/A/BAQE/11/2 T MCE110/C*	60142969	3x400 V ~	12,83	11,00	15,0	25,3	MEC160M	28	65	50
NKP-GE 50-200/200/A/BAQE/15/2 T MCE150/C*	60142970	3x400 V ~	17,35	15,00	20,0	34,5	MEC160M	28	65	50
NKP-GE 65-125/127/A/BAQE/5,5/2 T MCE55/C*	60142975	3x400 V ~	6,66	5,50	7,5	12,8	MEC132S	28	80	65
NKP-GE 65-125/137/A/BAQE/7,5/2 T MCE110/C*	60142974	3x400 V ~	8,81	7,50	10,0	17,1	MEC132S	28	80	65
NKP-GE 65-160/157/A/BAQE/11/2 T MCE110/C*	60142976	3x400 V ~	12,83	11,00	15,0	25,3	MEC160M	28	80	65
NKP-GE 65-160/173/A/BAQE/15/2 T MCE150/C*	60142977	3x400 V ~	17,35	15,00	20,0	34,5	MEC160M	28	80	65
NKP-GE 80-160/147-127/A/BAQE/11/2 T MCE110/C*	60142979	3x400 V ~	12,83	11,00	15,0	25,3	MEC160M	28	100	80
NKP-GE 80-160/153/A/BAQE/15/2 T MCE150/C*	60142980	3x400 V ~	17,35	15,00	20,0	34,5	MEC160M	28	100	80

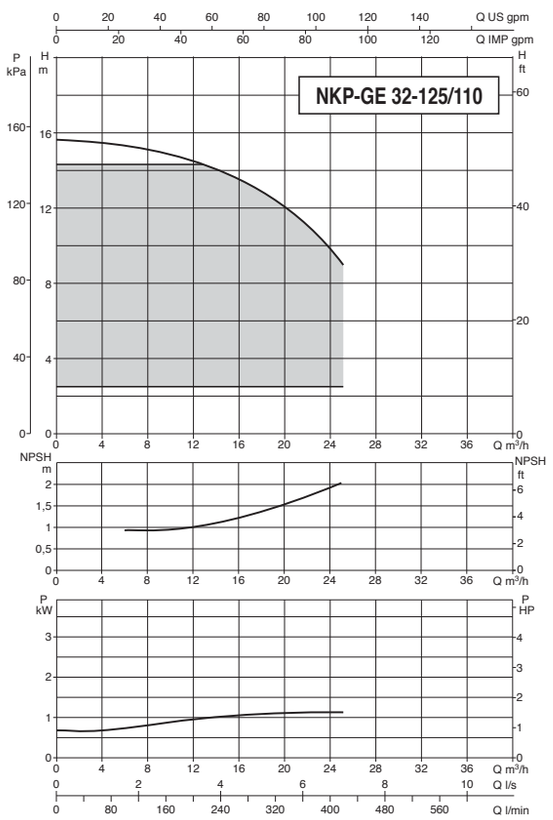
*** NEW IE2 MOTOR**

[1] Three-phase versions available on request.





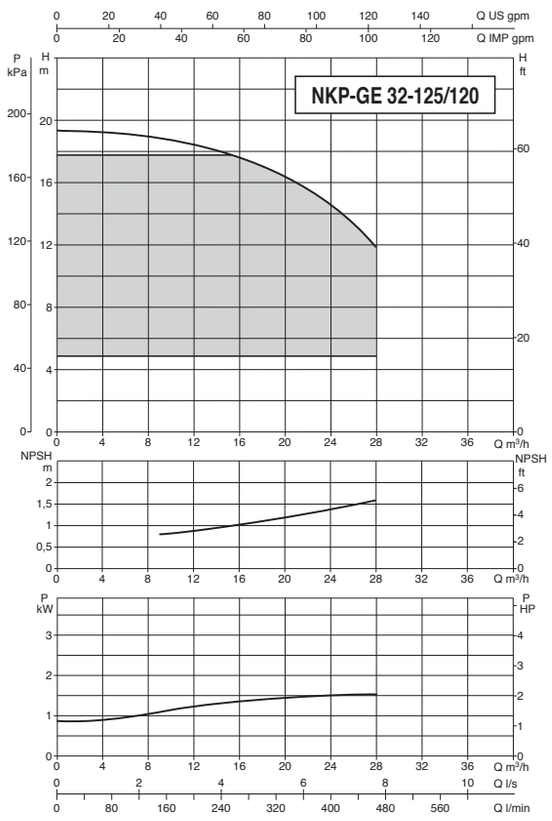


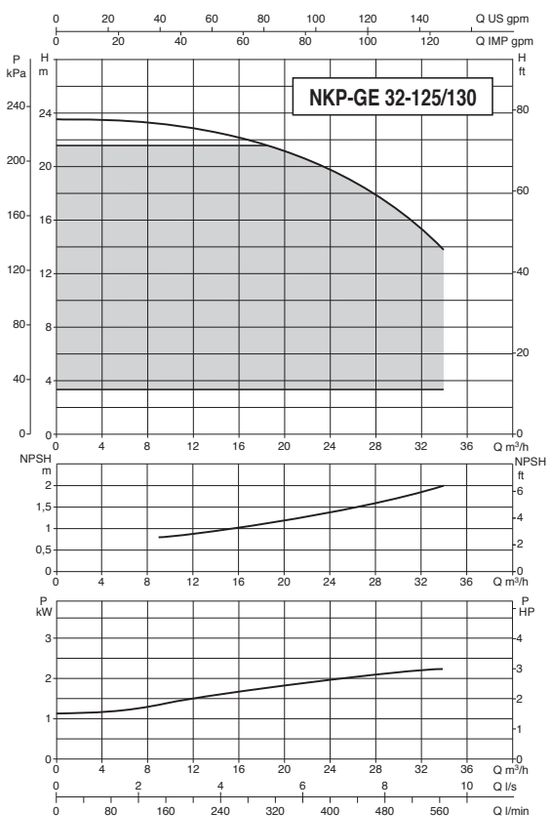


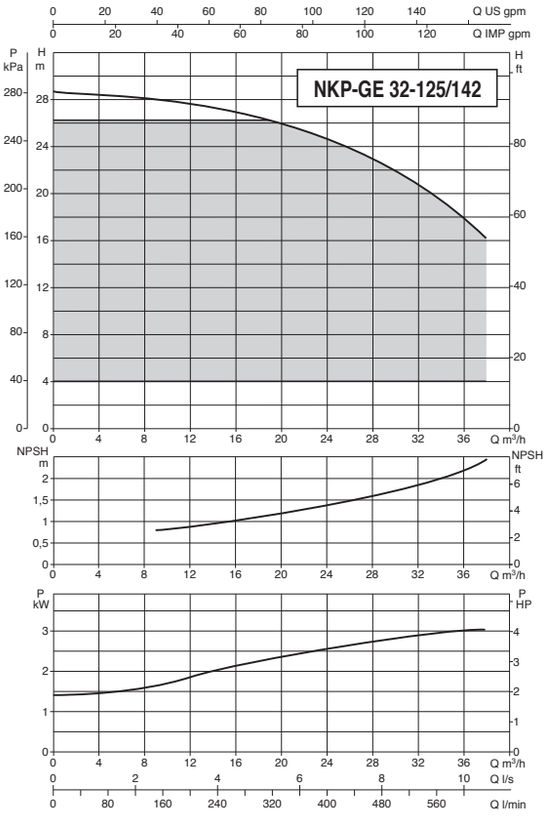
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

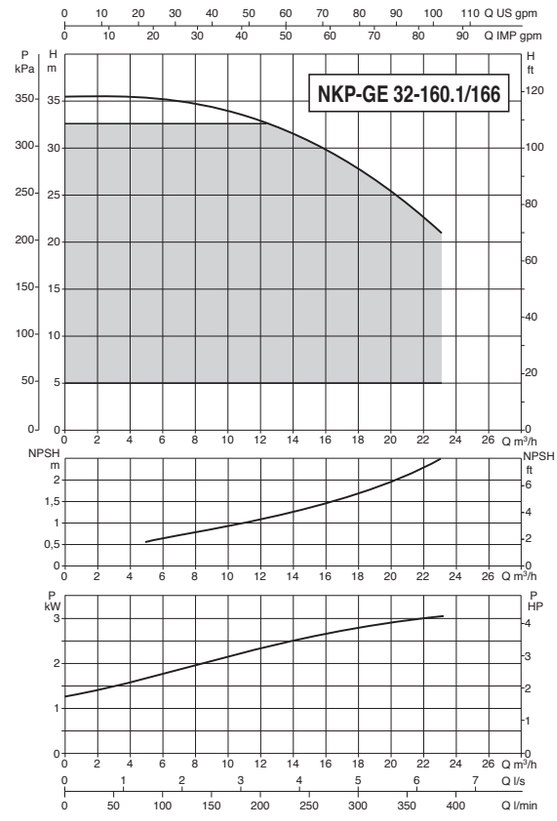
NKP-GE 2 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

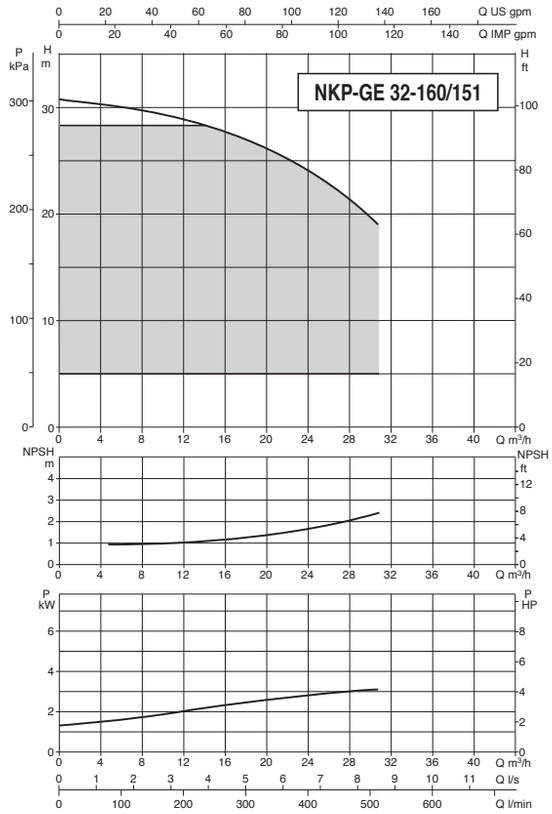


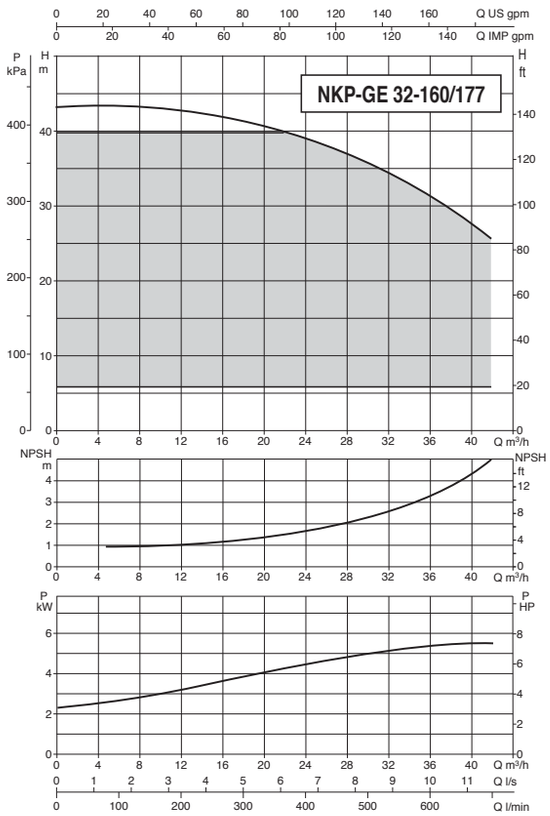


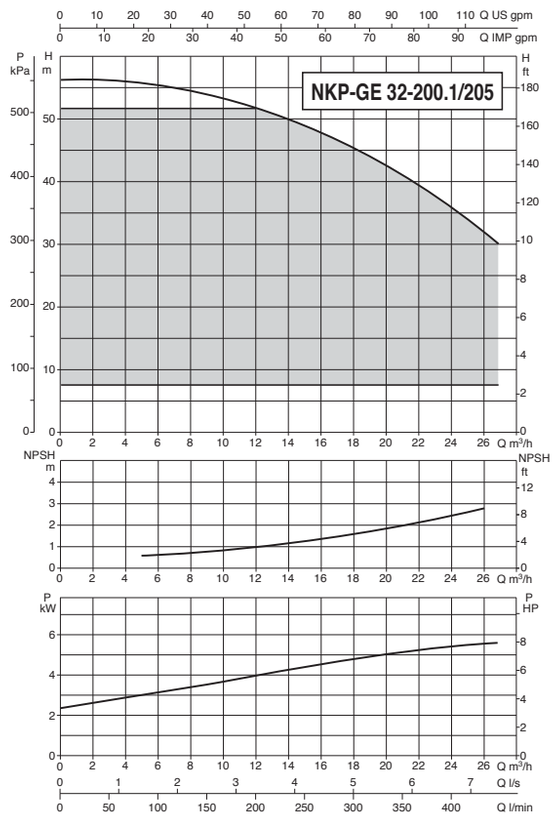


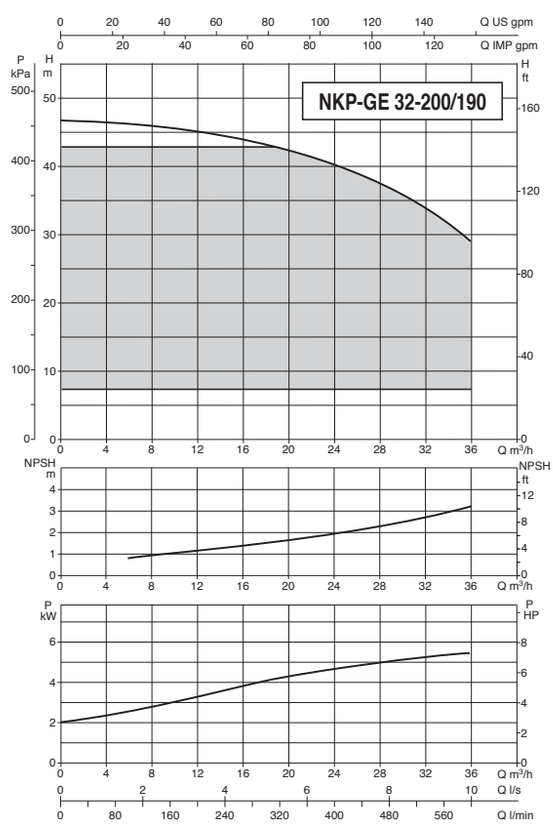


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.





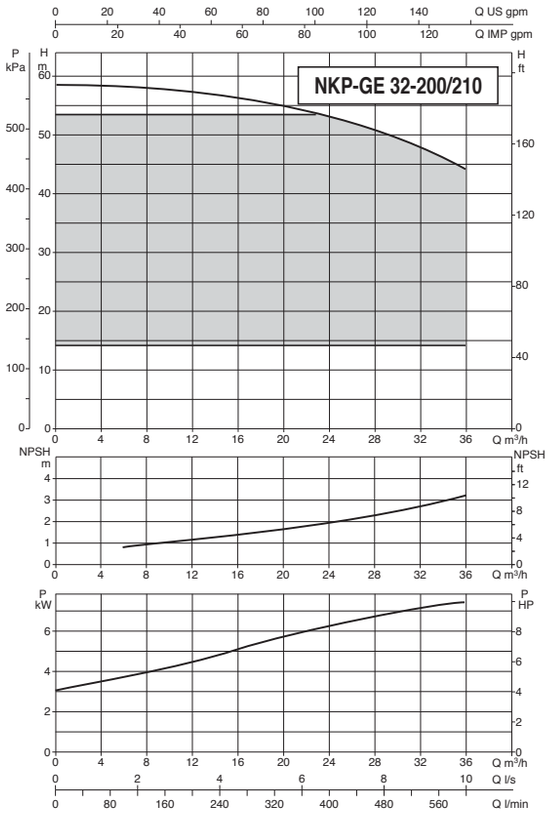


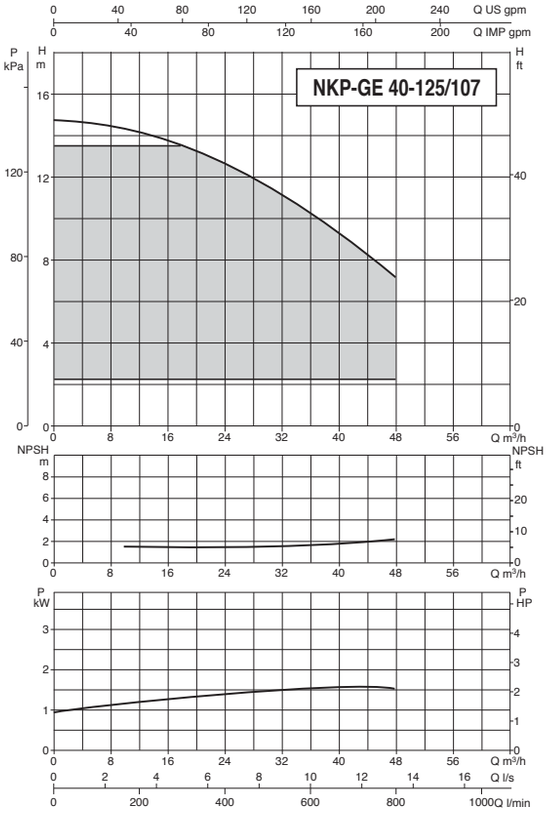


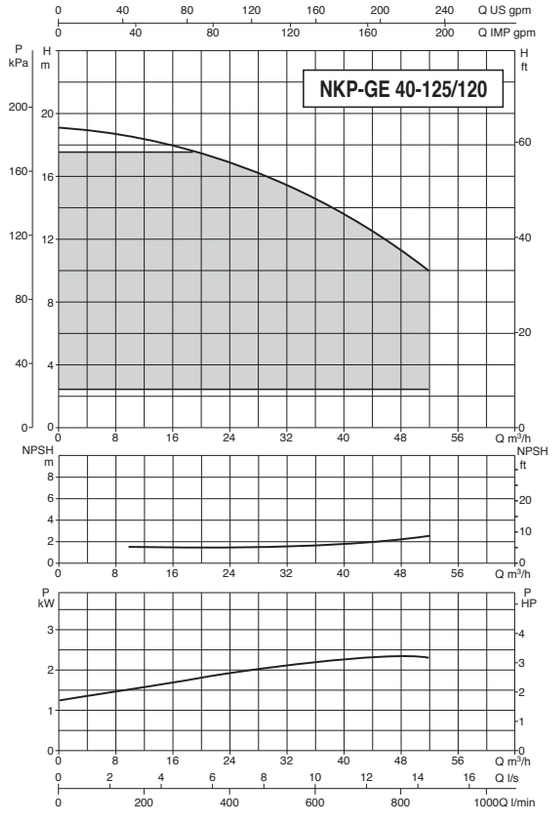
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

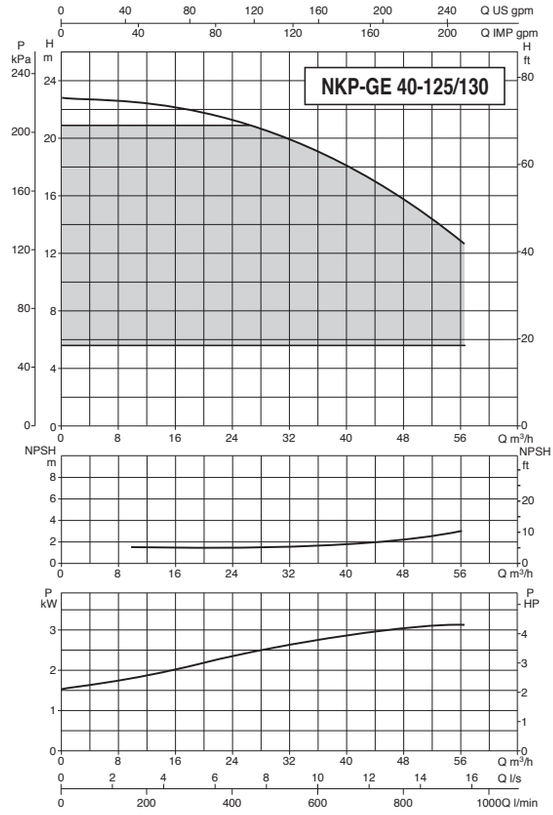
NKP-GE 2 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

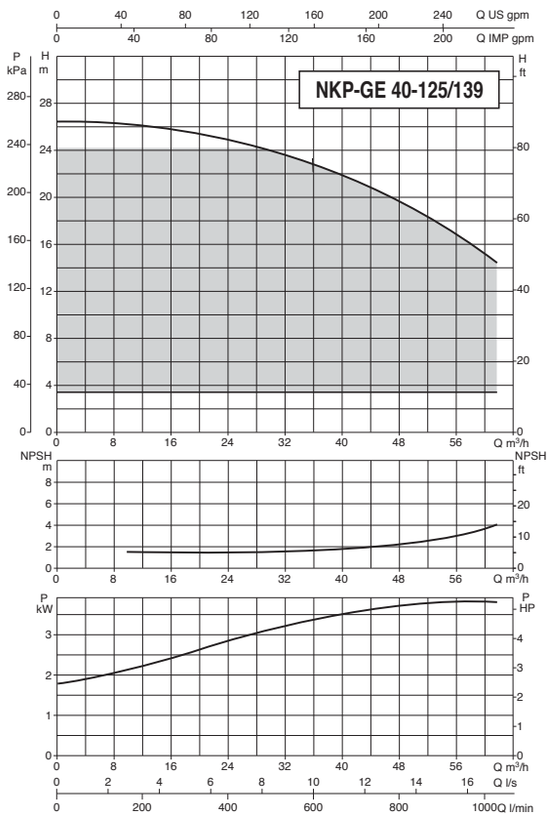


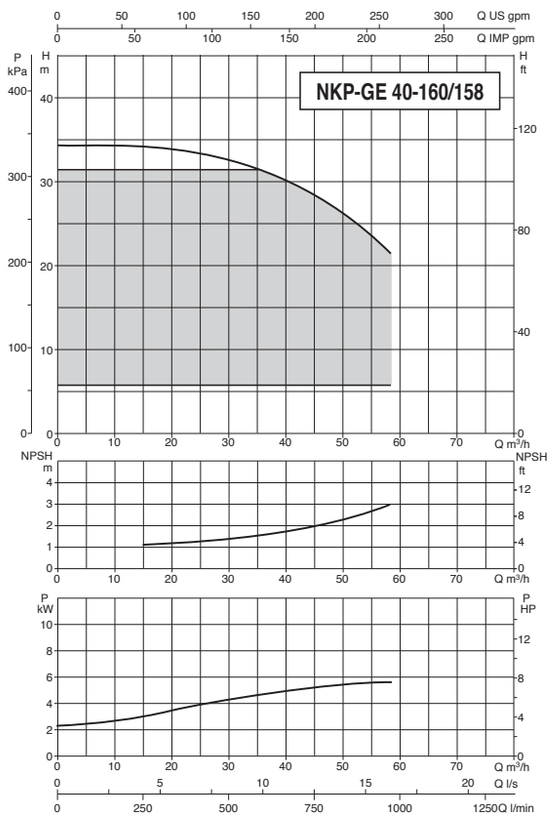


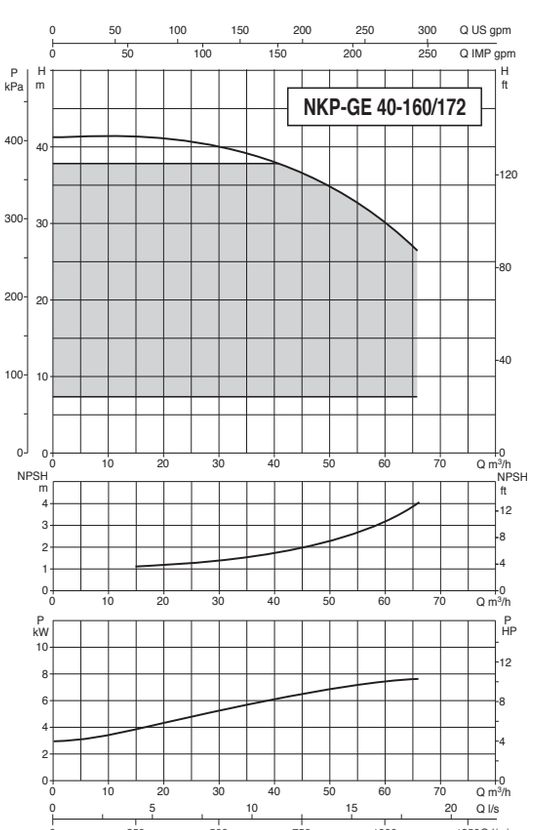


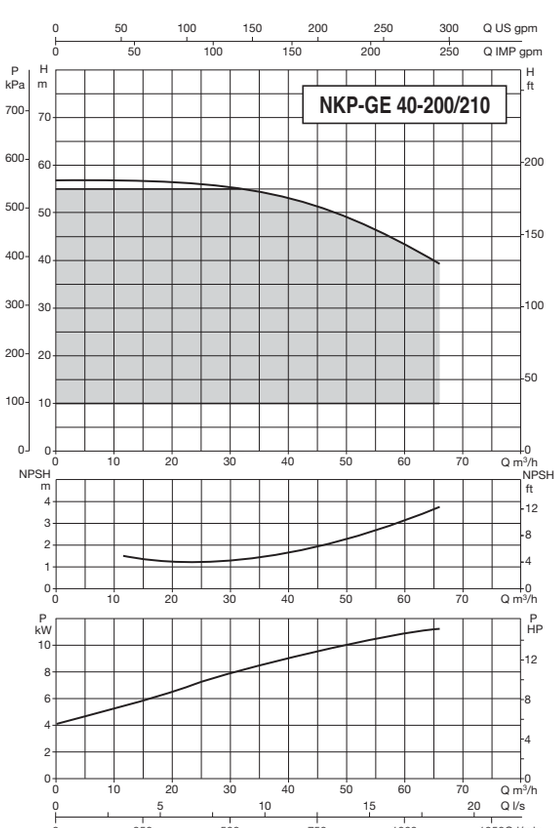


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.





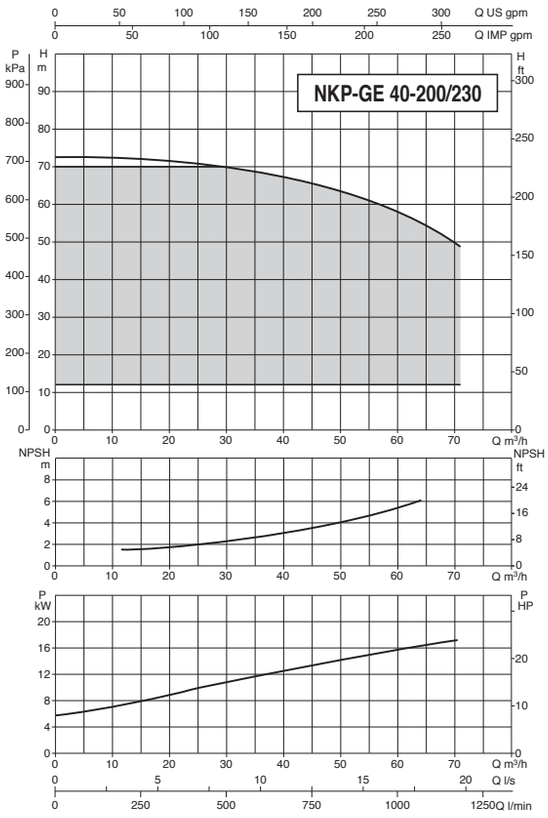


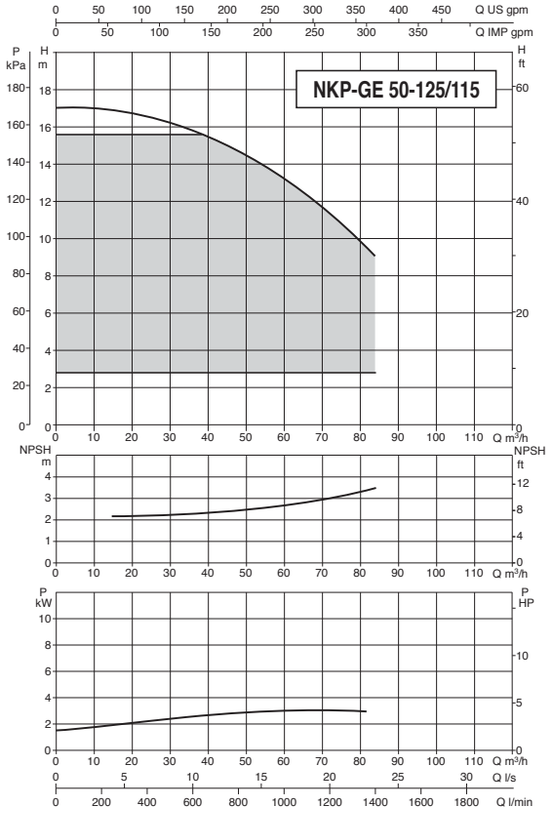


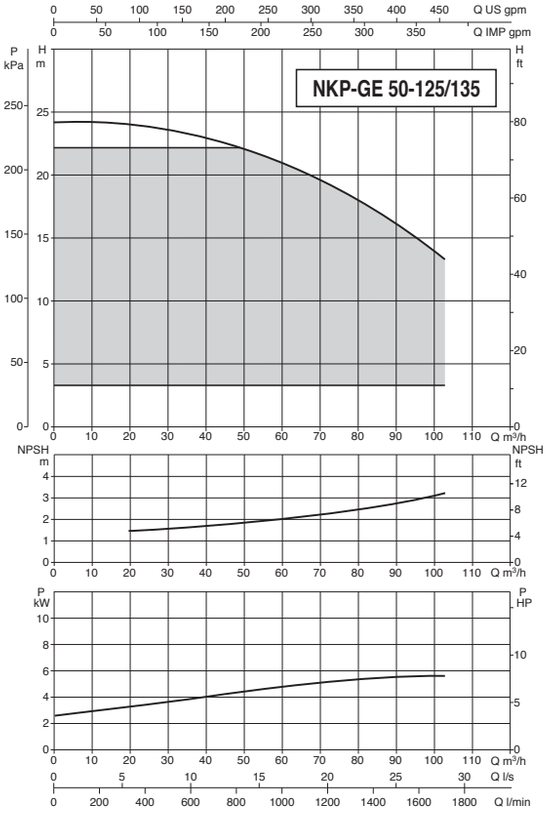
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

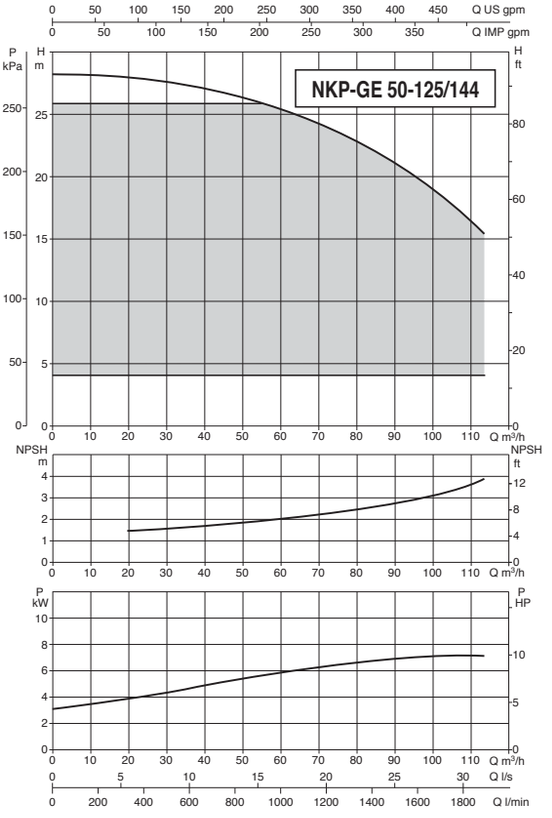
NKP-GE 2 POLES

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

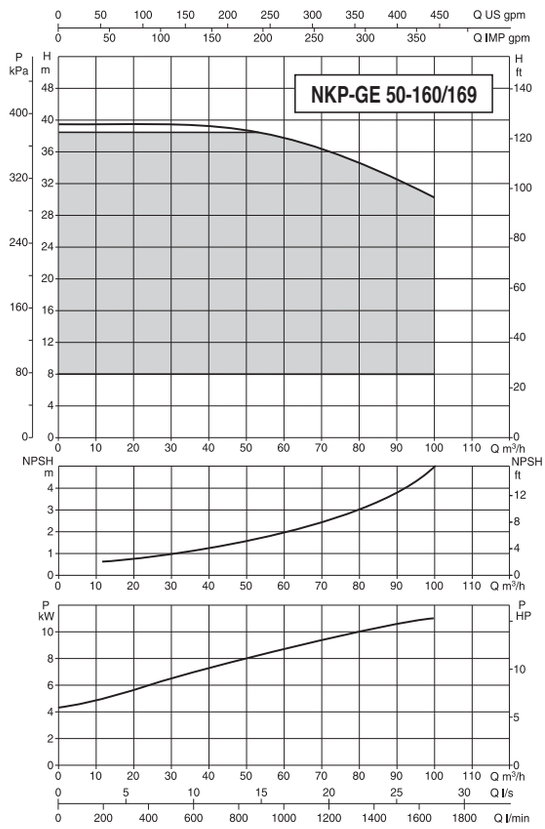


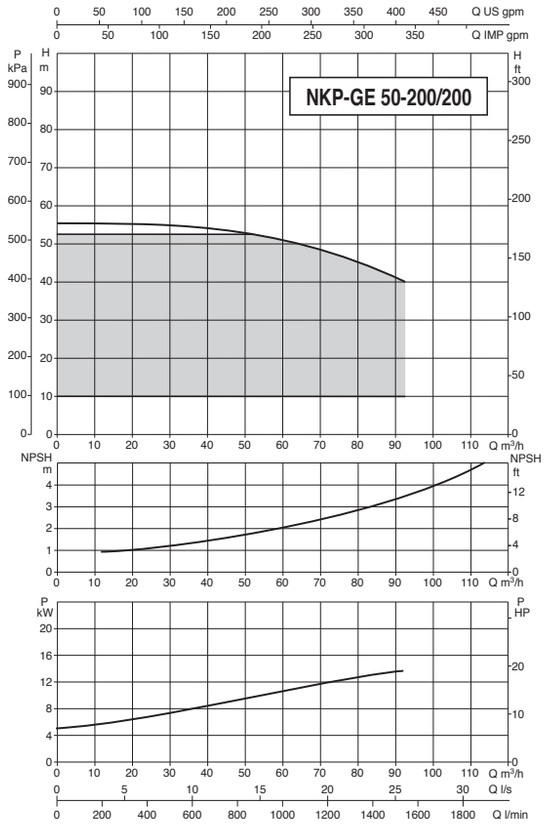


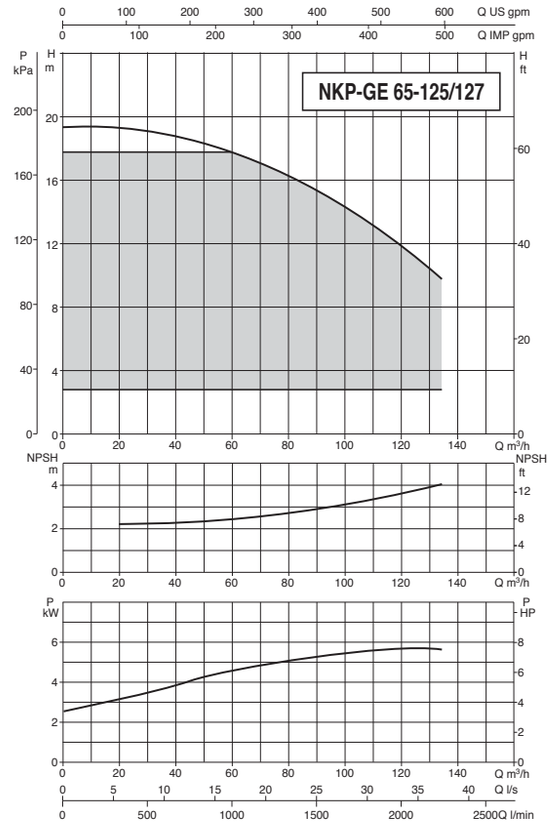


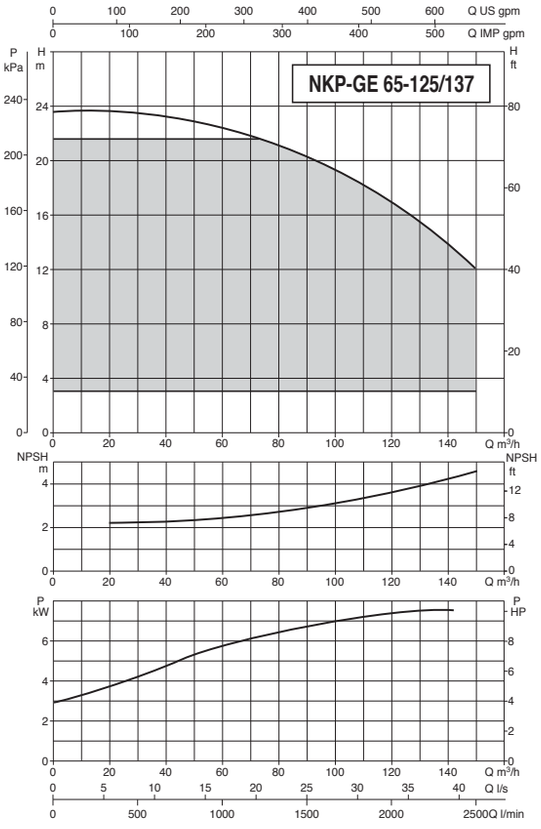


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.



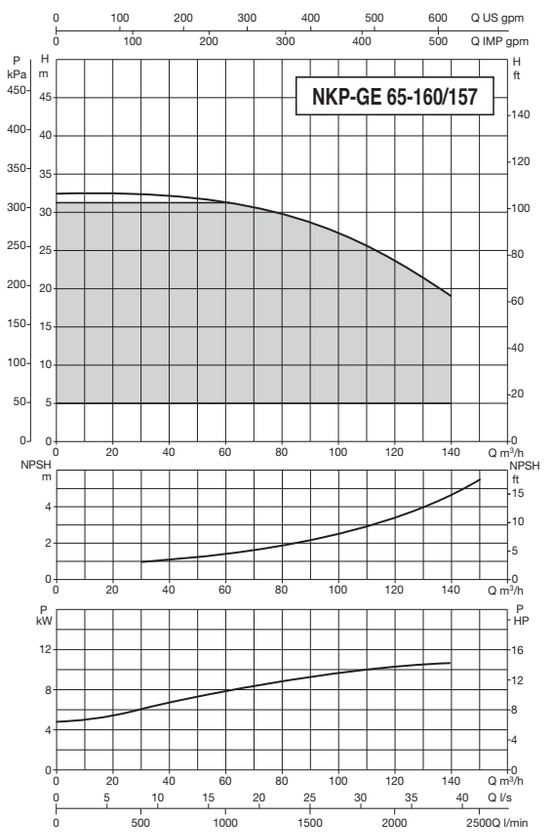


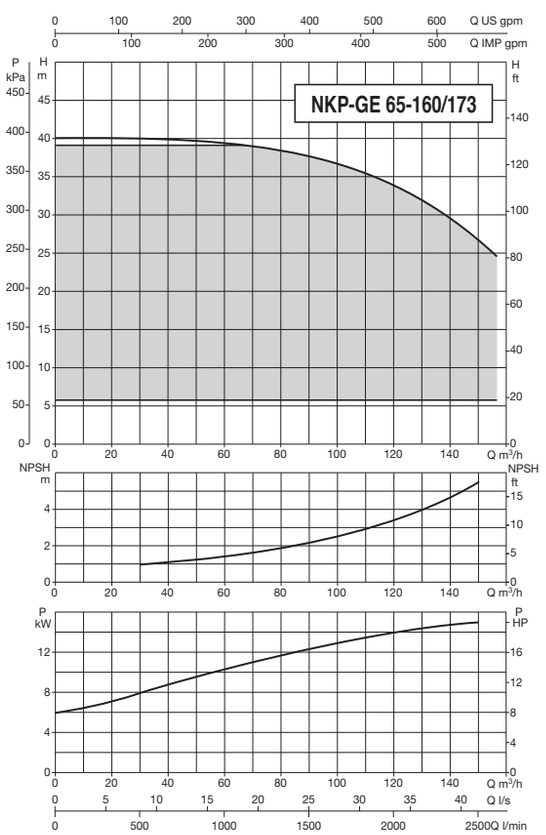


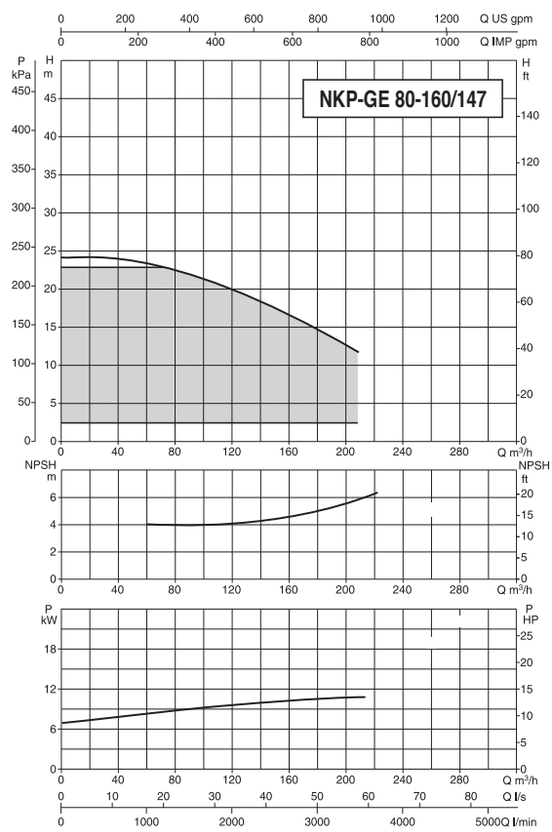


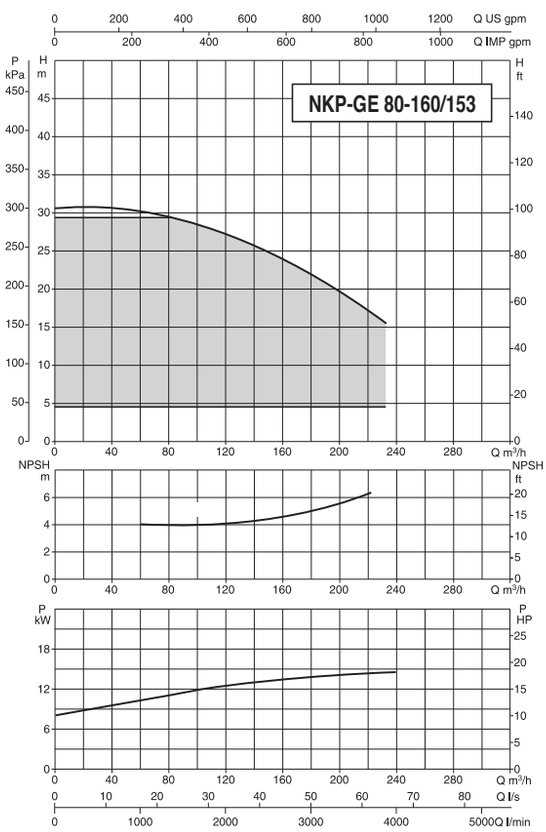
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

NKP-GE 2 POLES
ENBLOC ELECTRONIC CENTRIFUGAL PUMPS





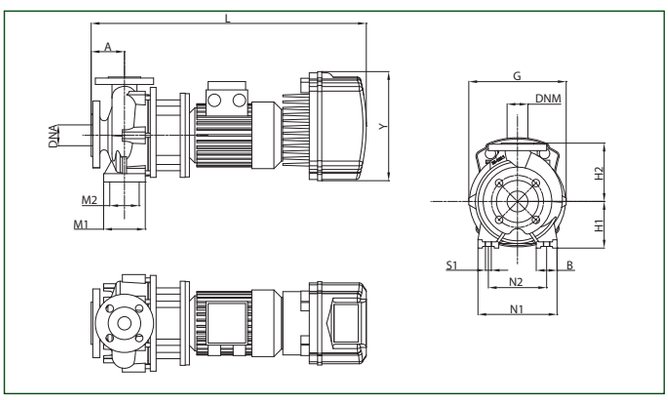




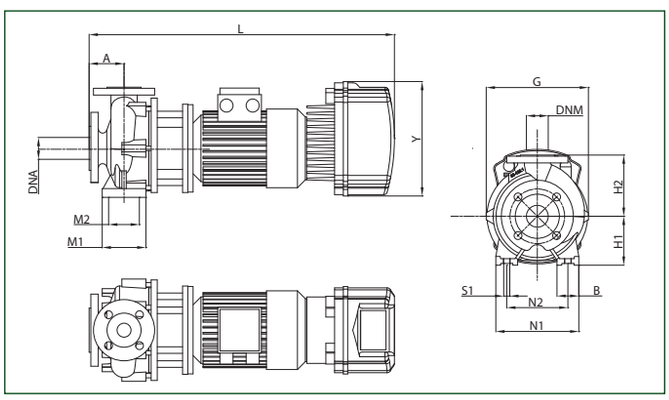
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

DIMENSIONS AND WEIGHTS

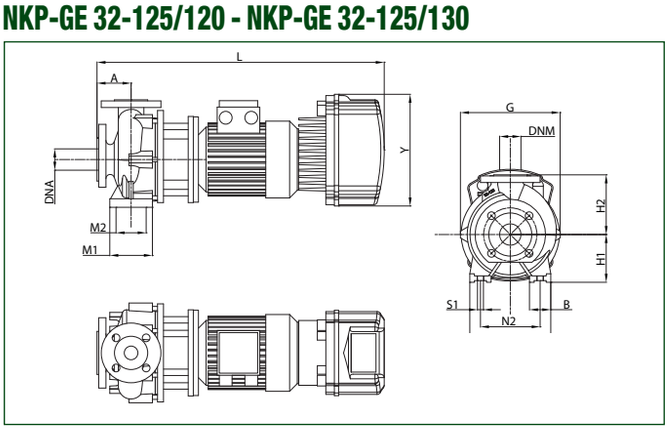
NKP-GE 32-125.1/115 - NKP-GE 32-125.1/125



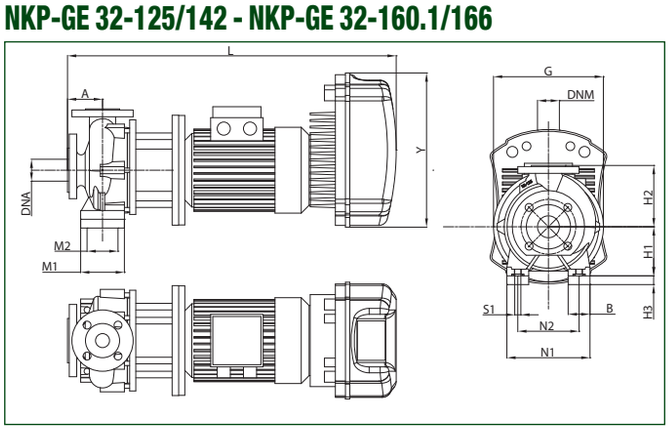
NKP-GE 32-125.1/140 - NKP-GE 32-125/110



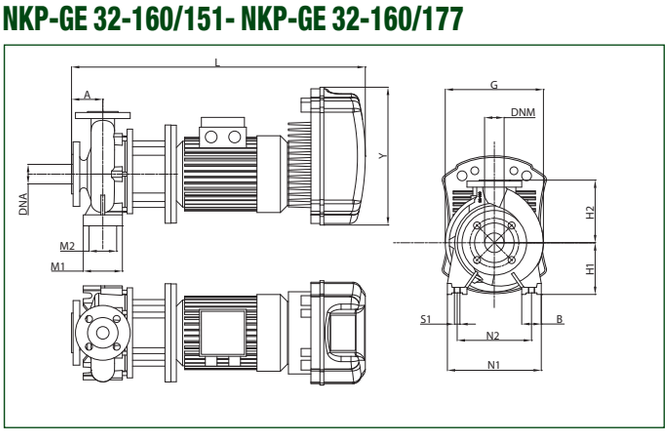
NKP-GE 32-125/120 - NKP-GE 32-125/130



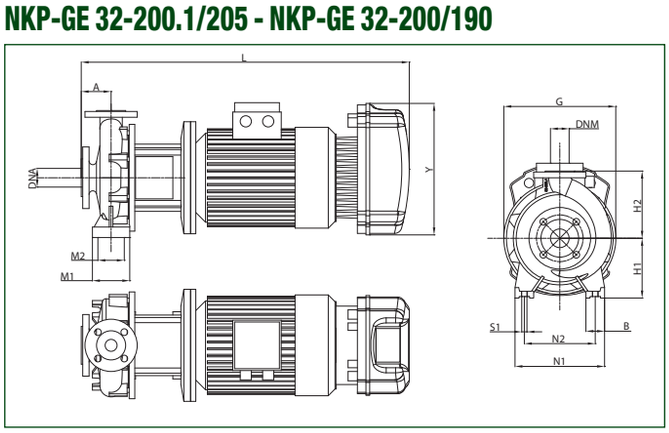
NKP-GE 32-125/142 - NKP-GE 32-160.1/166



NKP-GE 32-160/151- NKP-GE 32-160/177

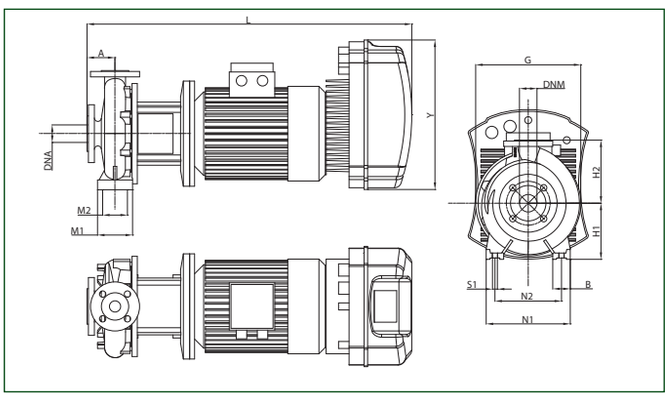


NKP-GE 32-200.1/205 - NKP-GE 32-200/190

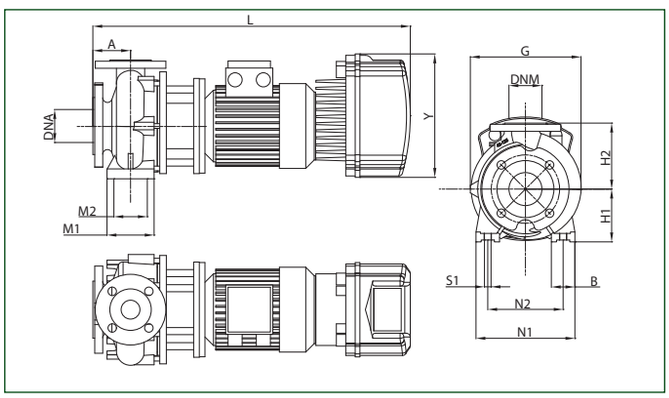


NKP-GE 2 POLES
ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

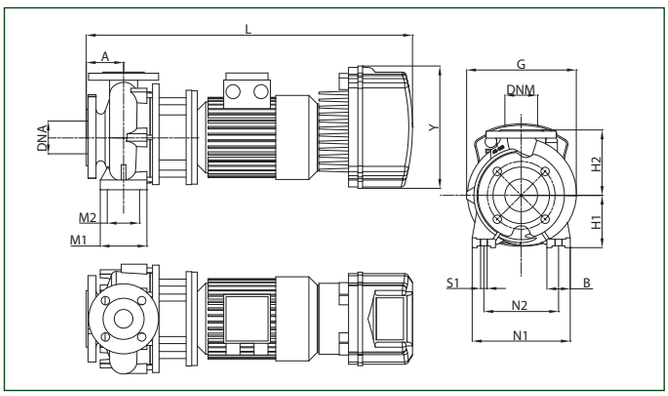
NKP-GE 32-200/210



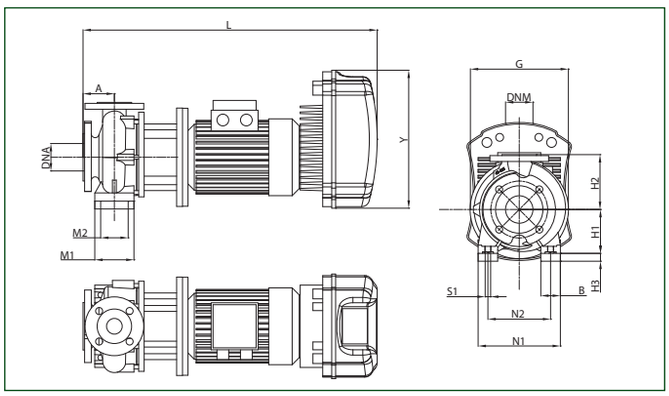
NKP-GE 40-125/107



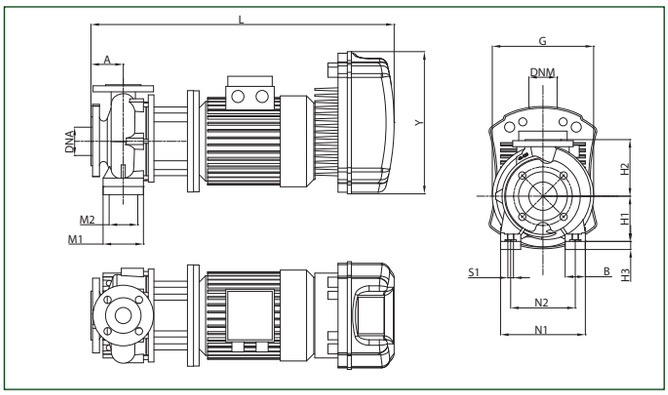
NKP-GE 40-125/120



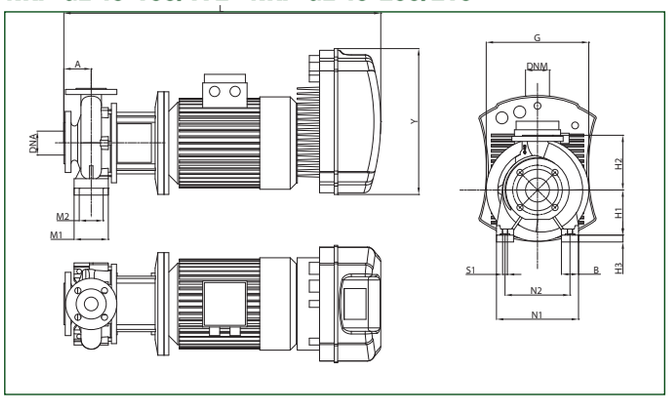
NKP-GE 40-125/130



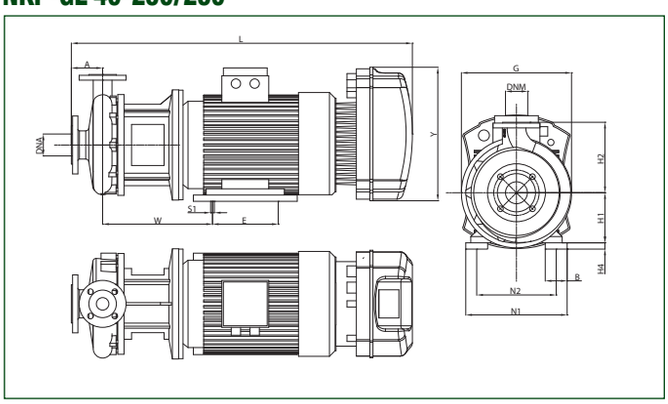
NKP-GE 40-125/139 - NKP-GE 40-160/158



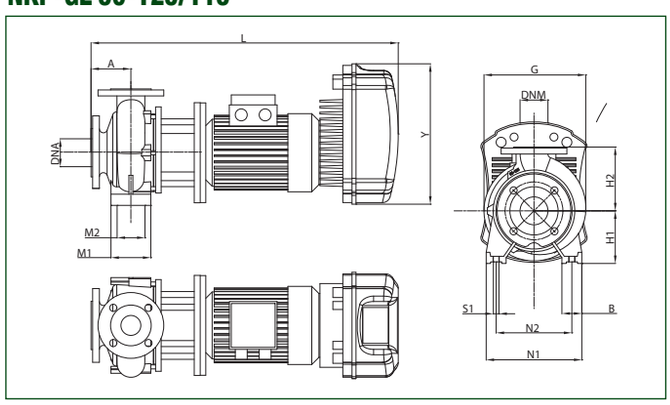
NKP-GE 40-160/172 - NKP-GE 40-200/210



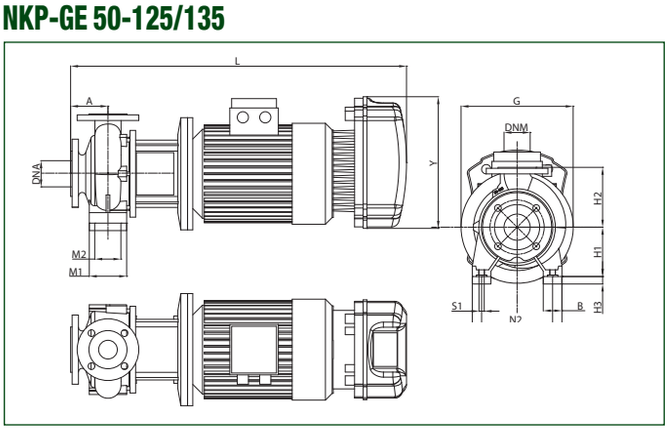
NKP-GE 40-250/230



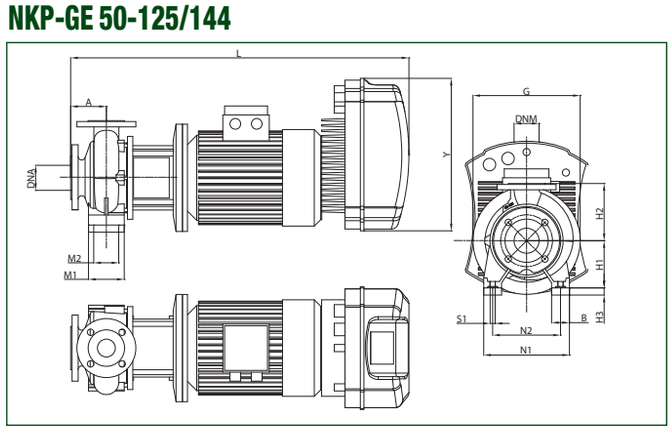
NKP-GE 50-125/115



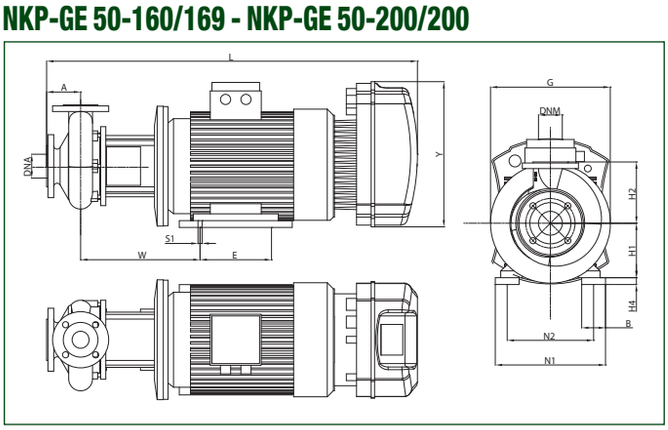
NKP-GE 50-125/135



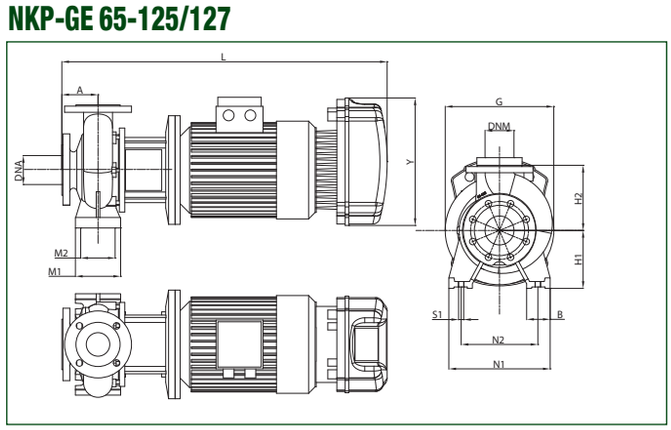
NKP-GE 50-125/144



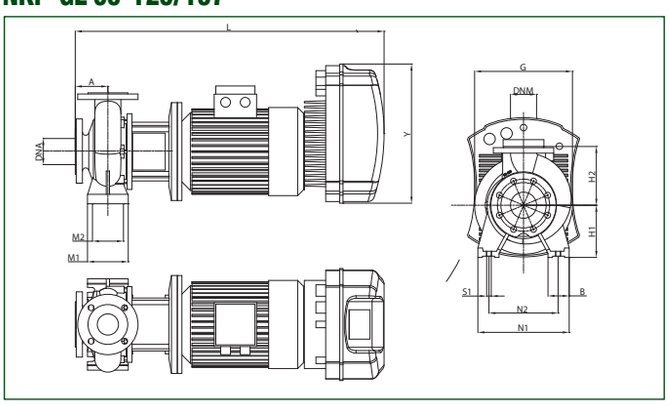
NKP-GE 50-160/169 - NKP-GE 50-200/200



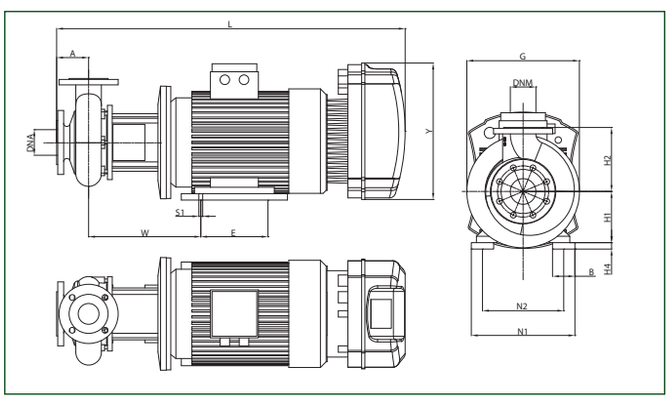
NKP-GE 65-125/127



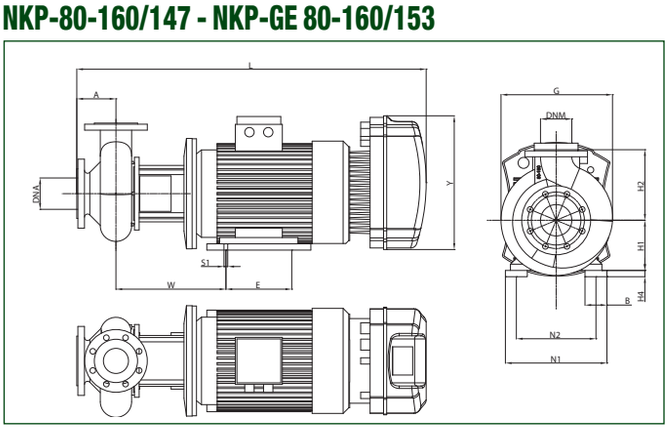
NKP-GE 65-125/137



NKP-GE 65-160/157 - NKP-GE 65-160/173



NKP-80-160/147 - NKP-GE 80-160/153



NKP-GE 2 POLES
ENBLOC ELECTRONIC CENTRIFUGAL PUMPS

MODEL	A	B	E	G	H1	H2	H3	H4	L	M1	M2	N1	N2	S1	W	X	Y	PACKAGING DIMENSIONS			WEIGHT KG
																		L/A	L/B	H	
NKP-GE 32-125.1/115/A/BAQE/1.1/2 M MCE11/C	80	50		234	112	140			660	100	70	190	140	M10		100	262	800	400	400	51
NKP-GE 32-125.1/125/A/BAQE/1.5/2 M MCE15/C	80	50		234	112	140			673	100	70	190	140	M10		100	262	800	400	400	56
NKP-GE 32-125.1/140/A/BAQE/2.2/2 M MCE22/C	80	50		234	112	140			698	100	70	190	140	M10		100	262	800	400	400	58
NKP-GE 32-125/110/A/BAQE/1.1/2 M MCE11/C	80	50		234	112	140			660	100	70	190	140	M10		100	262	800	400	400	44
NKP-GE 32-125/120/A/BAQE/1.5/2 M MCE15/C	80	50		234	112	140			673	100	70	190	140	M10		100	262	800	400	400	56
NKP-GE 32-125/130/A/BAQE/2.2/2 M MCE22/C	80	50		234	112	140			698	100	70	190	140	M10		100	262	800	400	400	58
NKP-GE 32-125/142/A/ BAQE/3/2 T MCE30/C	80	50		250	112	140	20		755	100	70	190	140	M10		100	353	800	400	400	76
NKP-GE 32-160.1/166/A/BAQE/3/2 T MCE30/C	80	50		250	132	160			755	100	70	240	190	M10		100	353	800	400	400	70
NKP-GE 32-160/151/A/BAQE/3/2 T MCE30/C	80	50		250	132	160			755	100	70	240	190	M10		100	353	800	400	400	70
NKP-GE 32-160/177/A/ BAQE/5,5/2 T MCE55/C	80	50		300	132	160	20		883	100	70	240	190	M10		100	353	1100	550	620	114
NKP-GE 32-200.1/205/A/BAQE/5,5/2 T MCE55/C	80	50		300	160	180			883	100	70	240	190	M10		100	353	1100	550	620	114
NKP-GE 32-200/190/A/BAQE/5.5/2 T MCE55/C	80	50		300	160	180			883	100	70	240	190	M10		100	353	1100	550	620	126
NKP-GE 32-200/210/A/BAQE/7.5/2 T MCE110/C	80	50		300	160	180			933	100	70	240	190	M10		100	426	1100	550	620	135
NKP-GE 40-125/107/A/BAQE/1.5/2 M MCE15/C	80	50		234	112	140			673	100	70	210	160	M10		100	262	800	400	400	61
NKP-GE 40-125/120/A/BAQE/2.2/2 M MCE22/C	80	50		234	112	140			698	100	70	210	160	M10		100	262	800	400	400	74
NKP-GE 40-125/130/A/BAQE/3/2 T MCE30/C	80	50		300	112	140			755	100	70	210	160	M10		100	353	800	400	400	85
NKP-GE 40-125/139/A/BAQE/4/2 T MCE55/C	80	50		300	112	140			755	100	70	210	160	M10		100	353	800	400	400	107
NKP-GE 40-160/158/A/BAQE/5,5/2 T MCE55/C	80	50		300	132	160			883	100	70	240	190	M10		100	353	1100	550	620	119
NKP-GE 40-160/172/A/BAQE/7,5/2 T MCE110/C	80	50		300	132	160			933	100	70	240	190	M10		100	426	1100	550	620	127
NKP-GE 40-200/210/A/BAQE/11/2 T MCE110/C	100	67	210	350	160	180		20	1053			314	254	M12	351	100	426	1100	550	620	207
NKP-GE 40-250/230/A/BAQE/15/2 T MCE150/C	100	67	210	350	160	225		20	1053			314	254	M12	351	100	426	1100	550	620	220
NKP-GE 50-125/115/A/BAQE/3/2 T MCE30/C	100	50		251	132	160			775	100	70	240	190	M10		100	353	1100	550	620	87
NKP-GE 50-125/135/A/BAQE/5,5/2 T MCE55/C	100	50		300	132	160			903	100	70	240	190	M10		100	353	1100	550	620	124
NKP-GE 50-125/144/A/BAQE/7,5/2 T MCE110/C	100	50		300	132	160			953	100	70	240	190	M10		100	426	1100	550	620	133
NKP-GE 50-160/169/A/BAQE/11/2 T MCE110/C	100	67	210	350	160	180		20	1053			314	254	M12	351	100	426	1100	550	620	132
NKP-GE 50-200/200/A/BAQE/15/2 T MCE150/C	100	67	210	350	160	200		20	1053			314	254	M12	351	100	426	1100	550	620	216
NKP-GE 65-125/127/A/BAQE/5,5/2 T MCE55/C	100	65		300	160	180			903	125	95	280	212	M10		100	353	1100	550	620	122
NKP-GE 65-125/137/A/BAQE/7,5/2 T MCE110/C	100	65		300	160	180			953	125	95	280	212	M10		100	426	1100	550	620	131
NKP-GE 65-160/157/A/BAQE/11/2 T MCE110/C	100	67	210	350	160	200		20	1053			314	254	M12	351	100	426	1100	550	620	202
NKP-GE 65-160/173/A/BAQE/15/2 T MCE150/C	100	67	210	350	160	200		20	1053			314	254	M12	351	100	426	1100	550	620	212
NKP-GE 80-160/147-127/A/BAQE/11/2 T MCE110/C	125	67	210	350	160	225		20	1078			314	254	M12	351	140	426	1360	500	530	215
NKP-GE 80-160/153/A/BAQE/15/2 T MCE150/C	125	67	210	350	160	225		20	1078			314	254	M12	351	140	426	1360	500	530	221

DAB PUMPS reserves the right to make modifications without notice

STANDARDISED ELECTRONIC CENTRIFUGAL PUMPS ON SKID - KDNE 4 POLES

PERFORMANCE RANGE

≅ 1450 1/min

MODEL	Q (m³/h) (l/min)	0 0	3 50	6 100	12 200	18 300	24 400	30 500	36 600	42 700	48 800	54 900
KDNE 32-125.1/140/A/BAQE/1/0,55/4 MMCE11/C		6.6	6.6	6.4	5.1							
KDNE 32-125/142/A/BAQE/1/0,75/4 MMCE11/C		6.9		6.75	6.15	4.5						
KDNE 32-160.1/177/A/BAQE/1/0.75/4 MMCE11/C		9	9.8	9.5	6.6							
KDNE 32-160/177/A/BAQE/1/1,1/4 MMCE11/C		10.5		10.4	9.6	7.8						
KDNE 32-200.1/207/A/BAQE/1/1.1/4 MMCE11/C		13.8	13.8	13	8.9							
KDNE 32-200/200/A/BAQE/1/1,1/4 MMCE11/C		12.6		12.3	11.1	8.7						
KDNE 32-200/219/A/BAQE/1/2,2/4 MMCE22/C		15.7		15.4	14.8	13	9.8					
KDNE 40-125/142/A/BAQE/1/1.1/4 MMCE11/C		6.7		6.6	6.5	6	5.3	4.1				
KDNE 40-160/161/A/BAQE/1/1,1/4 MMCE11/C		8.6		8.5	8.4	8	7.1	5.6				
KDNE 40-160/177/A/BAQE/1/1,5/4 MMCE15/C		10.7		10.7	10.6	10.2	9.5	8.3				
KDNE 40-200/180/A/BAQE/1/1,1/4 MMCE11/C		9.7		9.7	9.4	8.8	7.2					
KDNE 40-200/200/A/BAQE/1/1,5/4 MMCE15/C		12.2		12.1	12	11.7	10.4	8.6				
KDNE 40-200/219/A/BAQE/1/2,2/4 MMCE22/C		15		15	15	14.7	13.8	12.4	10.4			
KDNE 40-250/230/A/BAQE/1/2,2/4 MMCE22/C		17.4			17.2	16.5	15.3	13.7				
KDNE 40-250/240/A/BAQE/1/3/4 TMCE30/C		19.1			19	18.2	17	15.5				
KDNE 40-250/260/A/BAQE/1/4/4 TMCE55/C		22.7			22.6	22.1	21	19.5				
KDNE 50-125/139/A/BAQE/1/1,1/4 MMCE11/C		6.3			6.2	6.1	5.9	5.6	5.2	4.8	4.2	
KDNE 50-125/144/A/BAQE/1/1,5/4 MMCE15/C		6.7			6.7	6.6	6.4	6.2	5.8	5.3	4.8	4.1
KDNE 50-160/137/A/BAQE/1/1,1/4 MMCE11/C		6			6	5.9	5.6	5.2	4.8			
KDNE 50-160/153/A/BAQE/1/1,5/4 MMCE15/C		7.6			7.6	7.5	7.4	7.2	6.7			
KDNE 50-160/169/A/BAQE/1/2,2/4 MMCE22/C		9.4			9.3	9.2	9.2	9.1	8.8			
KDNE 50-160/177/A/BAQE/1/3/4 TMCE30/C		10.4			10.3	10.3	10.2	10.1	9.95			
KDNE 50-200/170/A/BAQE/1/1,5/4 MMCE15/C		9.5			9.3	9.2	8.8	8	6.85			
KDNE 50-200/190/A/BAQE/1/2,2/4 MMCE22/C		11.8			11.7	11.6	11.4	10.8	10.1	8.9		
KDNE 50-200/210/A/BAQE/1/3/4 TMCE30/C		14.6			14.6	14.5	14.4	13.9	13.2	12.2	11	
KDNE 50-200/219/A/BAQE/1/4/4 TMCE55/C		16			16	16	15.9	15.4	14.2	13.8	12.7	11.4
KDNE 50-250/220/A/BAQE/1/3/4 TMCE30/C		15.9			15.7	15.6	15.4	14.9	13.8	12.4	10.5	
KDNE 50-250/263/A/BAQE/1/5,5/4 TMCE55/C		23			23	22.9	22.8	22.5	21.7	20.6	19.4	17.5
KDNE 65-125/130/A/BAQE/1/1,1/4 MMCE11/C		5.1					4.9	4.75	4.6	4.3	4.1	3.8
KDNE 65-125/144/A/BAQE/1/1.5/4 MMCE15/C		6.4					6.35	6.25	6.2	5.9	5.7	5.4
KDNE 65-160/137/A/BAQE/1/1,1/4 MMCE11/C	H (m)	5.8					5.7	5.4	5.2	4.75	4.3	3.7
KDNE 65-160/153/A/BAQE/1/1,5/4 MMCE15/C		7.3					7.2	7.2	6.9	6.7	6.3	5.8
KDNE 65-160/169/A/BAQE/1/2,2/4 MMCE22/C		9.1					9.1	9	8.9	8.7	8.4	8
KDNE 65-160/177/A/BAQE/1/3/4 TMCE30/C		10					10	9.9	9.8	9.7	9.45	9.1
KDNE 65-200/180/A/BAQE/1/2,2/4 MMCE22/C		10.4				10.4	10.4	10.3	10.2	10	9.5	8.8
KDNE 65-200/190/A/BAQE/1/3/4 TMCE30/C		12.1				12	12	12	11.9	11.5	11.1	10.5
KDNE65-200/219/A/BAQE/1/5,5/4 TMCE55/C		16.2				16.2	16.2	16.1	16	15.9	15.8	15.4
KDNE 65-250/240/A/BAQE/1/5,5/4 TMCE55/C		19					19	18.9	18.5	18.1	17.5	16.8
KDNE 65-250/263/A/BAQE/1/7,5/4 TMCE110/C		23.2					23	23	22.9	22.5	22.2	21.6
KDNE 65-315/260/A/BAQE/1/7,5/4 TMCE110/C		22.3					22.2	22.1	22	21.5	21	20.5
KDNE 65-315/290/A/BAQE/1/11/4 TMCE110/C		28.2					28.2	28.1	28	27.8	27.3	27
KDNE 65-315/320/A/BAQE/1/15/4 TMCE150/C		35.7					35.4	35.3	35.2	35.1	35	34.8
KDNE 80-160/153/A/BAQE/1/2,2/4 MMCE22/C		7.3								7.1	6.9	6.7
KDNE 80-160/161/A/BAQE/1/3/4 TMCE30/C		8.2								8	7.9	7.75
KDNE 80-160/177/A/BAQE/1/4/4 TMCE55/C		10								9.9	9.85	9.8
KDNE 80-200/170/A/BAQE/1/3/4 TMCE30/C		9.2								9.1	9	8.7
KDNE 80-200/200/A/BAQE/1/5,5/4 TMCE55/C		12.7								12.6	12.6	12.6
KDNE 80-200/222/A/BAQE/1/7,5/4 TMCE110/C		15.9								15.9	15.8	15.7
KDNE 80-250/230/A/BAQE/1/7,5/4 TMCE110/C		17.3								17.3	17.2	17.1
KDNE 80-250/260/A/BAQE/1/11/4 TMCE110/C		22.6								22.5	22.5	22.4
KDNE 80-250/270/A/BAQE/1/15/4 TMCE150/C		24.5								24.4	24.4	24.4
KDNE 80-315/290/A/BAQE/1/15/4 TMCE150/C		27.8									27.8	27.8
KDNE 100-200/180/A/BAQE/1/5,5/4 TMCE55/C		10.1										
KDNE 100-200/200/A/BAQE/1/7,5/4 TMCE110/C		12.9										
KDNE 100-200/219/A/BAQE/1/11/4 TMCE110/C		16										
KDNE 100-250/240/A/BAQE/1/11/4 TMCE110/C		18.5										
KDNE 100-250/260/A/BAQE/1/15/4 TMCE150/C		22.3										
KDNE 100-315/275/A/BAQE/1/15/4 TMCE150/C		25.1										
KDNE 125-250/230/A/BAQE/1/15/4 TMCE150/C		16.6										
KDNE 150-200/218-182/A/BAQE/1/11/4 TMCE110/C		10.4										
KDNE 150-200/224/A/BAQE/1/15/4 TMCE150/C		13.8										

STANDARDISED ELECTRONIC CENTRIFUGAL PUMPS ON SKID - KDNE 4 POLES

PERFORMANCE RANGE

60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
3.3	2.8																	
5	4.65	4.2	3.7															
5.25																		
7.6	7.1	6.4																
8.7	8.2	7.5																
8.1																		
9.8	8.8																	
15	14.4	13.5	12.7															
16	14.7	13.6																
20.8	19.8	18.6	17.4	16														
20	19.2	18.4	17	16	15													
26.5	25.5	25	24	23.1	22	19.5												
34.5	33.8	33.5	32.5	31.5	30.8	28	24.8											
6.5	6.3	6	5.75	5.4	5.2	4.55	3.9	3.6										
7.5	7.3	7.05	6.8	6.5	6.25	5.6	4.9	4.6										
9.7	9.5	9.3	9.1	8.85	8.7	8.1	7.25	6.9										
8.5	8.2	7.8	7.5	7.1	6.7	5.6												
12.5	12.4	12.3	12	11.6	11.4	10.5	9.4	8.8										
15.6	15.6	15.5	15.4	15.3	15	14.3	13.4	12.8										
17	16.9	16.8	16.5	16	15.5	14.3	12.4											
22.3	22.2	22.1	22	21.8	21.4	20.6	19.6	19	15.1									
24.3	24.2	24.1	24	23.7	23.3	22.4	21.4	20.7	16.3									
27.7	27.7	27.6	27.6	27.5	27.4	26.5	25	24.6	19.1									
10.1	10.1	10.	9.9	9.7	9.5	9.1	8.5	8.3	7	5.4								
12.8	12.8	12.8	12.7	12.6	12.5	12.2	11.8	11.6	10.4	8.8								
15.7	15.7	15.6	15.6	15.5	15.5	15.3	15.1	15	14	12.5	10.8							
18.3	18.3	18.3	18.2	18.1	18	17.9	17.6	17.4	15.7	13.3								
22.1	22.1	22.1	22	21.9	21.8	21.7	21.5	21.4	19.8	17.7	15.1							
25	25	25	24.9	24.8	24.7	24.6	24.4	24	22	19								
						16.6	16.6	16.5	16.3	15.6	14.8	13.8	12.5	12.3	9.5			
						10.4	10.4	10.3	10.2	9.9	9.5	9.1	8.6	8.1	7.4	6.6	5.8	
						13.6	13.6	13.5	13.3	13	12.6	12.2	11.7	11.2	10.6	9.9	9.2	8.2

DAB PUMPS reserves the right to make modifications without notice

ELECTRONIC CENTRIFUGAL PUMPS ON SKID - KDNE 2 POLES

PERFORMANCE RANGE

≅ 2900 1/min

MODEL	Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200
KDNE 32-125.1/110/A/BAQE/1/1,5/2 MMCE15/C	H (m)	15.5	15.2	13.9	11.5									
KDNE 32-125.1/130/A/BAQE/1/2,2/2 MMCE22/C		22.3	22.2	21.3	19									
KDNE 32-125.1/140/A/BAQE/1/3/2 TMCE30/C		26.5	26.4	25.6	23.4	20.1								
KDNE 32-125/125/A/BAQE/1/2,2/2 MMCE22/C		20.9		20.1	18.9	16.9	13.5							
KDNE 32-125/130/A/BAQE/1/3/2 TMCE30/C		22.9		22	21	19.1	16.2							
KDNE 32-125/142/A/BAQE/1/4/2 TMCE55/C		27.8		27	26.1	24.5	21.7	18						
KDNE 32-160.1/137/A/BAQE/1/1,5/2 MMCE15/C		21.5	21.2	19.3										
KDNE 32-160.1/145/A/BAQE/1/2,2/2 MMCE22/C		24.7	24.5	22.3	16.5									
KDNE 32-160.1/153/A/BAQE/1/3/2 TMCE30/C		28.3	28	26	20.5									
KDNE 32-160.1/177/A/BAQE/1/5,5/2 TMCE55/C		39.5	39.3	38.2	34.5	26								
KDNE 32-160/145/A/BAQE/1/3/2 TMCE30/C		27		25.8	23.9	21.2	16.9							
KDNE 32-160/161/A/BAQE/1/5,5/2 TMCE55/C		34		33	31.7	29.1	25.5							
KDNE 32-160/177/A/BAQE/1/7,5/2 TMCE110/C		41.8		41.5	40.5	38.4	35.3	31.4						
KDNE 32-200.1/170/A/BAQE/1/3/2 TMCE30/C		34.3	34.2	31.9	23.5									
KDNE 32-200.1/190/A/BAQE/1/5,5/2 TMCE55/C		45.3	44.7	41.5	35.5									
KDNE 32-200.1/207/A/BAQE/1/7,5/2 TMCE110/C		55.3	55	51.8	46.4	37								
KDNE 32-200/180/A/BAQE/1/5,5/2 TMCE55/C		39		38.5	36.5	32.5	28							
KDNE 32-200/200/A/BAQE/1/7,5/2 TMCE110/C		51		49	48	45	40.5	35						
KDNE 32-200/210/A/BAQE/1/11/2 TMCE110/C		57		56	55	52.5	48.5	43	36					
KDNE 32-200/219/A/BAQE/1/15/2 TMCE150/C		63		62	61	59	56.5	52.5	46.5	39.5				
KDNE 40-125/120/A/BAQE/1/3/2 TMCE30/C		18.5		18	17.5	17	16	15	13.5	11.8				
KDNE 40-125/142/A/BAQE/1/5,5/2 TMCE55/C		26.8		26.6	26.4	26	25.3	24.4	23	21.4	19.4	17		
KDNE 40-160/145/A/BAQE/1/5,5/2 TMCE55/C		27.5			27.4	27	25.7	24.2	22.1	19.5				
KDNE 40-160/161/A/BAQE/1/7,5/2 TMCE110/C		34.5			34.5	34.4	33.7	32.3	30.5	28.5	25.8	22.5		
KDNE 40-160/177/A/BAQE/1/11/2 TMCE110/C		42.6			42.5	42.4	42	41.5	40	38.5	35	33	30	
KDNE 40-200/180/A/BAQE/1/7,5/2 TMCE110/C		38.8			38.5	38	37	35	32.5	29	25			
KDNE 40-200/200/A/BAQE/1/11/2 TMCE110/C		48.7			48.4	48.2	47.5	46.5	44	41.5	38.5	34.5		
KDNE 40-200/219/A/BAQE/1/15/2 TMCE150/C		60			59.8	59.7	59.4	59	57	55	52.5	49.5	46	40
KDNE 40-250/220/A/BAQE/1/15/2 TMCE150/C		63.1			62.8	62.5	61	59	57	55	52	48		
KDNE 50-125/125/A/BAQE/1/5,5/2 TMCE55/C		19.8					19.4	19	18.5	17.9	17.4	16.6	16	15.1
KDNE 50-125/139/A/BAQE/1/7,5/2 TMCE110/C		24.7					24.5	24.3	24	23.5	23	22.4	21.6	20.8
KDNE 50-125/144/A/BAQE/1/11/2 TMCE110/C		25.9					26.5	26.4	26.1	25.6	25.1	24.5	24	23.2
KDNE 50-160/145/A/BAQE/1/7,5/2 TMCE110/C		27.2					27	26.9	26.6	26.4	25.5	25	23.8	23
KDNE 50-160/161/A/BAQE/1/11/2 TMCE110/C		33.8					33.7	33.7	33.6	33.6	33.3	32.5	31.8	31
KDNE 50-160/177/BAQE/1/15/2 TMCE150/C		41.6					41.5	41.5	41.3	41.2	41	40.6	40.5	39.5
KDNE 50-200/180/A/BAQE/1/11/2 TMCE110/C		42.5					42	41.7	41.4	40.5	39.5	38	36	34
KDNE 50-200/190/A/BAQE/1/15/2 TMCE150/C		47.2					46.8	46.6	46	45.7	44.5	43.5	42	40
KDNE 65-125/120-110/A/BAQE/1/5,5/2 TMCE55/C		16								14.4	14	13.6	13.1	12.8
KDNE 65-125/130/A/BAQE/1/7,5/2 TMCE110/C		21								19.6	19.5	19.1	18.9	18.5
KDNE 65-125/144/A/BAQE/1/11/2 TMCE110/C		25.6								25.5	25.4	25.2	25	24.6
KDNE 65-160/137/A/BAQE/1/7,5/2 TMCE110/C		23.1								22.4	22	21.7	21.3	20.5
KDNE 65-160/153/A/BAQE/1/11/2 TMCE110/C		29.1								28.8	28.5	28.6	28.5	28
KDNE 65-160/169/A/BAQE/1/15/2 TMCE150/C		36.4								36.3	36.2	36.1	36	35.7
KDNE 65-200/170/A/BAQE/1/15/2 TMCE150/C		37.2								36.8	36.7	36.6	36.5	36
KDNE 80-160/153-136/A/BAQE/1/15/2T		25.6												

ELECTRONIC CENTRIFUGAL PUMPS ON SKID - KDNE 2 POLES

PERFORMANCE RANGE

78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000

KDNE

STANDARDISED ELECTRONIC CENTRIFUGAL PUMPS ON SKID



Standardised centrifugal pumps on skid with elastic coupling, electronics designed for a wide range of applications such as:

- Circulation of hot water for heating.
- Circulation of cold water for air conditioning.
- Circulation of cold water for cooling.

Highly versatile pumps thanks to the use of the DAB MCE/C inverter, to guarantee performance able to automatically adapt to the various system requirements, while maintaining constant differential pressure. Spiral single-stage body in cast iron according to DIN-EN 733 (ex DIN 24255), cast iron seal cover and motor support, flanges according to DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, sealed and dynamically balanced with axial thrust compensation via balancing holes, operating (on request) on interchangeable wear rings. Pump shaft in stainless steel mounted on two generously sized ball bearings, permanently lubricated and housed in a special chamber inside the support.
Standard seal: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with O-rings in EPDM. On request, packing seals are available, with hydraulic lubrication ring and gland in two easily removable parts.
Sealed, asynchronous motor cooled by external ventilation; 2-poles or 4-poles. Rotor mounted on generously sized ball bearings to ensure silent and durable operation. Electrical protection: according to standards transposed into the ELECTROMAGNETIC COMPATIBILITY DIRECTIVE EEC 89/336 and subsequent amendments, LOW VOLTAGE DIRECTIVE EEC 73/23 and subsequent amendments and standards CEI 2-3.

Construction design: B3.
Speed of rotation: 1450 - 2900 1/min.
Operating range: from 1 a 440 m^3/h with head up to 70 meters.
Liquid temp. range: from -10°C to +140°C.
Pumped liquid: clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water.
Max. ambient temperature: +40°C.
Maximum operating pressure: 16 bar - 1600 kPa (for DN 200 max 10 bar).
Protection rating: IP 55.
Thermal category: F.
Flanging: PN 16 DIN 2533
PN 10 DIN 2532 per DN 200.
Installation: fixed horizontally.
Special versions on request.

KDNE 4 POLES performance curves and dimensional data starting from page: 255
KDNE 2 POLES performance curves and dimensional data starting from page: 272

MODEL		CAST IRON IMPELLER CODE	MCE MODEL	VOLTAGE 50 Hz	POWER [kW]		FLANGE DIMENSIONS (mm)		WEIGHT [Kg]
					4 poles	2 poles	DNA	DNM	
KDNE 32-125	4 poles	60142983 [1]	MCE11/C	1x220/240V	0,55	-	50	32	87
		60142992* [1]	MCE11/C	1x220/240V	0,75	-	50	32	88
	2 poles	60142986* [1]	MCE15/C	1x220/240V	-	1,5	50	32	97
		60142987* [1]	MCE22/C	1x220/240V	-	2,2	50	32	104
		60142988*	MCE30/C	3x400V	-	3	50	32	111
		60142996* [1]	MCE22/C	1x220/240V	-	2,2	50	32	97
		60142997*	MCE30/C	3x400V	-	3	50	32	105
		60142998*	MCE55/C	3x400V	-	4	50	32	126
KDNE 32-160	4 poles	60143229* [1]	MCE11/C	1x220/240V	0,75	-	50	32	95
		60143010* [1]	MCE11/C	1x220/240V	1,1	-	50	32	97
	2 poles	60143001* [1]	MCE15/C	1x220/240V	-	1,5	50	32	98
		60143002* [1]	MCE22/C	1x220/240V	-	2,2	50	32	106
		60143003*	MCE30/C	3x400V	-	3	50	32	111
		60143005*	MCE55/C	3x400V	-	5,5	50	32	145
		60143013*	MCE30/C	3x400V	-	3	50	32	111
		60143017*	MCE55/C	3x400V	-	5,5	50	32	145
		60143018*	MCE110/C	3x400V	-	7,5	50	32	152
KDNE 32-200	4 poles	60143232* [1]	MCE11/C	1x220/240V	1,1	-	50	32	110
		60143027* [1]	MCE11/C	1x220/240V	1,1	-	50	32	105
		60143029* [1]	MCE22/C	1x220/240V	2,2	-	50	32	106
	2 poles	60143234*	MCE30/C	3x400V	-	3	50	32	149
		60143021*	MCE55/C	3x400V	-	5,5	50	32	152
		60143022*	MCE110/C	3x400V	-	7,5	50	32	179
		60143032*	MCE55/C	3x400V	-	5,5	50	32	152
		60143035*	MCE110/C	3x400V	-	7,5	50	32	190
		60143039*	MCE110/C	3x400V	-	11	50	32	250
		60143040*	MCE150/C	3x400V	-	15	50	32	261

*** NEW IE2 MOTOR**
[1] Three-phase versions available on request.

KDNE 4 POLES

STANDARDISED ELECTRONIC CENTRIFUGAL PUMPS ON SKID

MODEL		CAST IRON IMPELLER CODE	MCE MODEL	VOLTAGE 50 Hz	POWER [kW]		FLANGE DIMENSIONS (mm)		WEIGHT [Kg]
					4 poles	2 poles	DNA	DNM	
KDNE 40-125	4 poles	60143044* [1]	MCE11/C	1x220/240V	1,1	-	65	40	90
	2 poles	60143047*	MCE30/C	3x400V	-	3	65	40	100
		60143049*	MCE55/C	3x400V	-	5,5	65	40	143
KDNE 40-160	4 poles	60143053* [1]	MCE11/C	1x220/240V	1,1	-	65	40	95
		60143054* [1]	MCE15/C	1x220/240V	1,5	-	65	40	105
	2 poles	60143061*	MCE55/C	3x400V	-	5,5	65	40	169
		60143062*	MCE110/C	3x400V	-	7,5	65	40	178
		60143063*	MCE110/C	3x400V	-	11	65	40	186
KDNE 40-200	4 poles	60143067* [1]	MCE11/C	1x220/240V	1,1	-	65	40	105
		60143068* [1]	MCE15/C	1x220/240V	1,5	-	65	40	109
		60143069* [1]	MCE22/C	1x220/240V	2,2	-	65	40	115
	2 poles	60143073*	MCE110/C	3x400V	-	7,5	65	40	160
		60143074*	MCE110/C	3x400V	-	11	65	40	234
		60143075*	MCE150/C	3x400V	-	15	65	40	244
KDNE 40-250	4 poles	60143078* [1]	MCE22/C	1x220/240V	2,2	-	65	40	133
		60143079*	MCE30/C	3x400V	3	-	65	40	158
		60143080*	MCE55/C	3x400V	4	-	65	40	209
	2 poles	60143082*	MCE150/C	3x400V	-	15	65	40	291
KDNE 50-125	4 poles	60143087* [1]	MCE11/C	1x220/240V	1,1	-	65	50	97
		60143088* [1]	MCE15/C	1x220/240V	1,5	-	65	50	105
	2 poles	60143091*	MCE55/C	3x400V	-	5,5	65	40	152
		60143092*	MCE110/C	3x400V	-	7,5	65	40	156
		60143093*	MCE110/C	3x400V	-	11	65	50	156
KDNE 50-160	4 poles	60143096* [1]	MCE11/C	1x220/240V	1,1	-	65	50	104
		60143097* [1]	MCE15/C	1x220/240V	1,5	-	65	50	107
		60143098* [1]	MCE22/C	1x220/240V	2,2	-	65	50	111
		60143099*	MCE30/C	3x400V	3	-	65	50	119
	2 poles	60143102*	MCE110/C	3x400V	-	7,5	65	50	190
		60143103*	MCE110/C	3x400V	-	11	65	50	201
		60143104*	MCE150/C	3x400V	-	15	65	50	213
KDNE 50-200	4 poles	60143112* [1]	MCE15/C	1x220/240V	1,5	-	65	50	118
		60143113* [1]	MCE22/C	1x220/240V	2,2	-	65	50	127
		60143114*	MCE30/C	3x400V	3	-	65	50	131
		60143115*	MCE55/C	3x400V	4	-	65	50	131
	2 poles	60143117*	MCE110/C	3x400V	-	11	65	50	199
		60143121*	MCE150/C	3x400V	-	15	65	50	293
KDNE 50-250	4 poles	60143123*	MCE30/C	3x400V	3	-	65	50	147
		60143125*	MCE55/C	3x400V	5,5	-	65	50	182
KDNE 65-125	4 poles	60143138* [1]	MCE11/C	1x220/240V	1,1	-	80	65	104
		60143140* [1]	MCE15/C	1x220/240V	1,5	-	80	65	107
	2 poles	60143143*	MCE55/C	3x400V	-	5,5	80	65	152
		60143144*	MCE110/C	3x400V	-	7,5	80	65	159
		60143145*	MCE110/C	3x400V	-	11	80	65	188
KDNE 65-160	4 poles	60143148* [1]	MCE11/C	1x220/240V	1,1	-	80	65	107
		60143149* [1]	MCE15/C	1x220/240V	1,5	-	80	65	118
		60143150* [1]	MCE22/C	1x220/240V	2,2	-	80	65	118
		60143151*	MCE30/C	3x400V	3	-	80	65	157
	2 poles	60143153*	MCE110/C	3x400V	-	7,5	80	65	186
		60143154*	MCE110/C	3x400V	-	11	80	65	196
		60143321*	MCE150/C	3x400V	-	15	80	65	233
KDNE 65-200	4 poles	60143159* [1]	MCE22/C	1x220/240V	2,2	-	80	65	151
		60143160*	MCE30/C	3x400V	3	-	80	65	159
		60143162*	MCE55/C	3x400V	5,5	-	80	65	209
	2 poles	60143164*	MCE150/C	3x400V	-	15	80	65	292
KDNE 65-250	4 poles	60143168*	MCE55/C	3x400V	5,5	-	80	65	210
		60143169*	MCE110/C	3x400V	7,5	-	80	65	270

*** NEW IE2 MOTOR**

[1] Three-phase versions available on request.

DAB PUMPS reserves the right to make modifications without notice

KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

MODEL		CAST IRON IMPELLER CODE	MCE MODEL	VOLTAGE 50 Hz	POWER [kW]		FLANGE DIMENSIONS (mm)		WEIGHT [Kg]
					4 poles	2 poles	DNA	DNM	
KDNE 65-315	4 poles	**60143172***	MCE110/C	3x400V	7,5	-	80	65	305
		60143173*	MCE110/C	3x400V	11	-	80	65	310
		60143174*	MCE150/C	3x400V	15	-	80	65	310
KDNE 80-160	4 poles	**60143175***	MCE11/C	3x400V	1,1	-	100	80	123
		60143176*	MCE15/C	3x400V	1,5	-	100	80	130
		60143177* [1]	MCE22/C	1x220/240V	2,2	-	100	80	143
		60143178*	MCE30/C	3x400V	3	-	100	80	147
		60143179*	MCE55/C	3x400V	4	-	100	80	147
	2 poles	**60143183***	MCE150/C	3x400V	-	15	80	65	311
KDNE 80-200	4 poles	**60143237***	MCE30/C	3x400V	3	-	100	80	177
		60143188*	MCE55/C	3x400V	5,5	-	100	80	197
		60143189*	MCE110/C	3x400V	7,5	-	100	80	201
KDNE 80-250	4 poles	**60143194***	MCE110/C	3x400V	7,5	-	100	80	232
		60143195*	MCE110/C	3x400V	11	-	100	80	271
		60143196*	MCE150/C	3x400V	15	-	100	80	290
KDNE 80-315	4 poles	**60143199***	MCE150/C	3x400V	15	-	100	80	403
KDNE 100-200	4 poles	**60143202***	MCE55/C	3x400V	5,5	-	125	100	223
		60143203*	MCE110/C	3x400V	7,5	-	125	100	222
		60143204*	MCE110/C	3x400V	11	-	125	100	320
KDNE 100-250	4 poles	**60143208***	MCE110/C	3x400V	11	-	125	100	305
		60143209*	MCE150/C	3x400V	15	-	125	100	313
KDNE 100-315	4 poles	**60143211***	MCE150/C	3x400V	15	-	125	100	313
KDNE 125-250	4 poles	**60143214***	MCE150/C	3x400V	15	-	150	125	429
KDNE 150-200	4 poles	**60143217***	MCE110/C	3x400V	11	-	200	150	467
		60143218*	MCE150/C	3x400V	15	-	200	150	467

*** NEW IE2 MOTOR**

[1] Three-phase versions available on request.

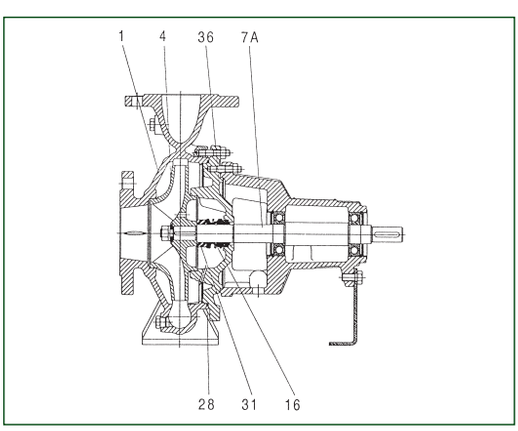
TECHNICAL DATA

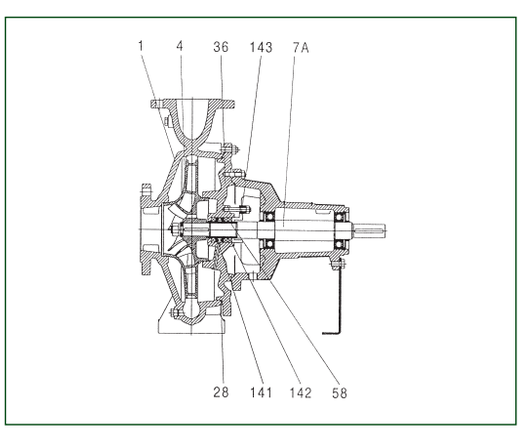
STANDARD VERSION WITH MECHANICAL SEAL

N.	PARTS	MATERIALS
1	pump body	250 uni iso 185 cast iron
4	impeller	250 uni iso 185 cast iron
7A	pump shaft	aisi 304 - uni 6900/71 stainless steel
28	gasket or	viton
36	seal holder disk	250 uni iso 185 cast iron
16	mechanical seal	carbon/carborundum - epdm
31	spacer seal	stainless steel aisi 304 - uni 6900/71

VERSION ON REQUEST WITH PACKING

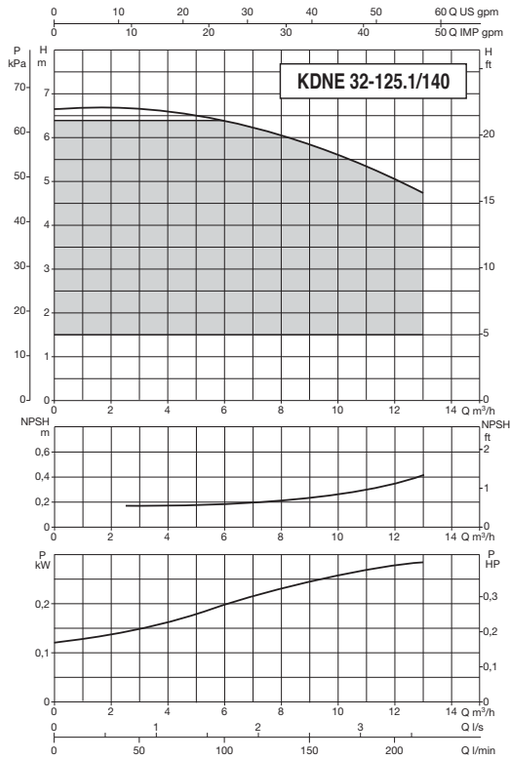
N.	PARTS	MATERIALS
58	bush for seal	stainless steel aisi 420 - uni 6900/71
141	hydraulic ring	stainless steel aisi 304 - uni 6900/71
142	packing	ptfe impregnated ramie





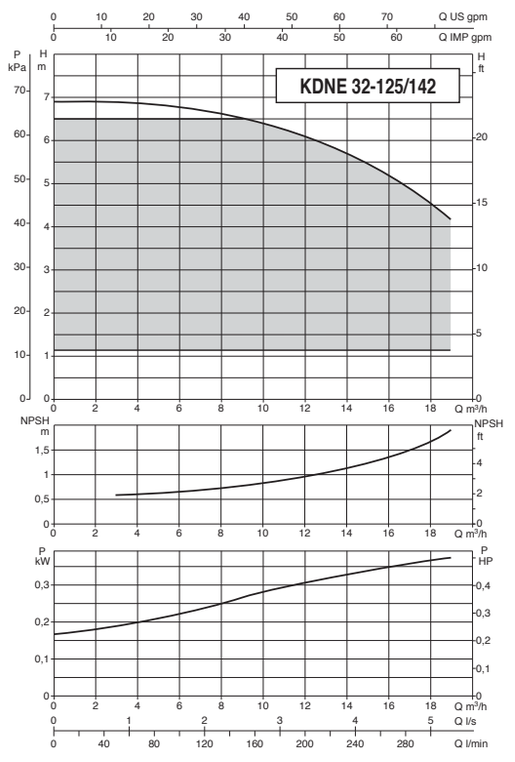
KDNE 32-125.1/140

≅ 1450 1/min



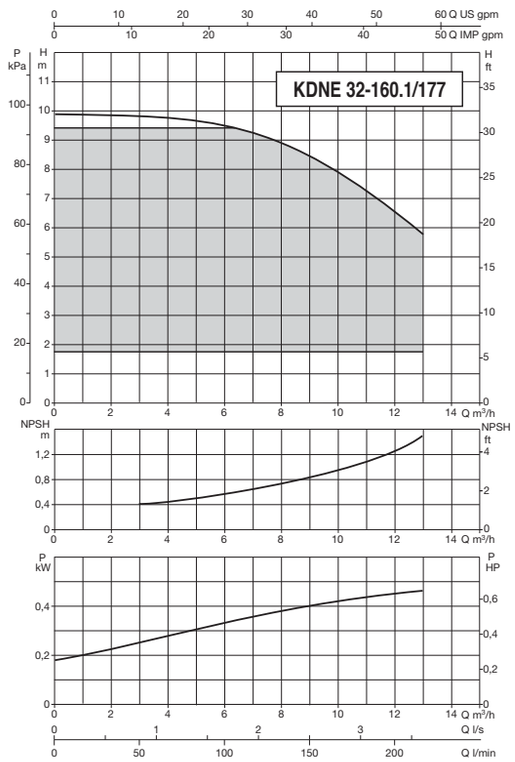
KDNE 32-125/142

≅ 1450 1/min



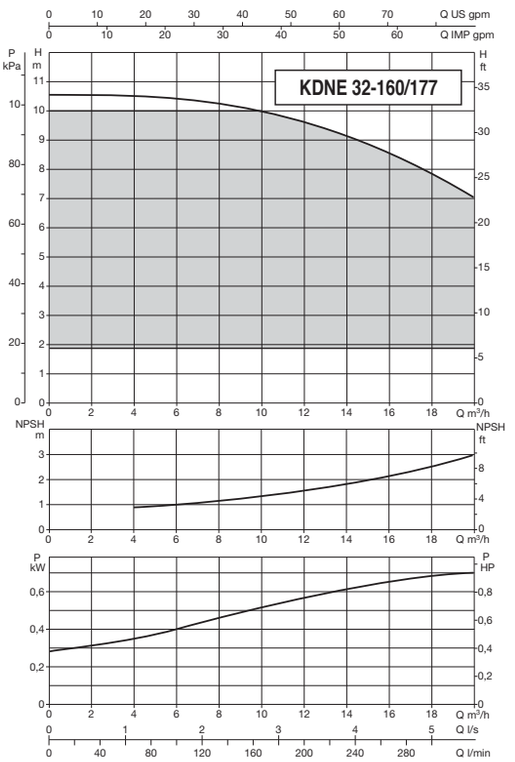
KDNE 32-160.1/177

≅ 1450 1/min



KDNE 32-160/177

≅ 1450 1/min



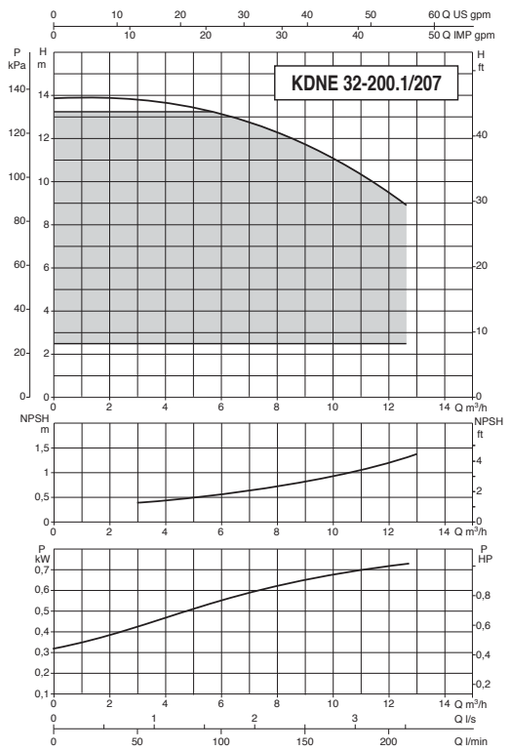
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

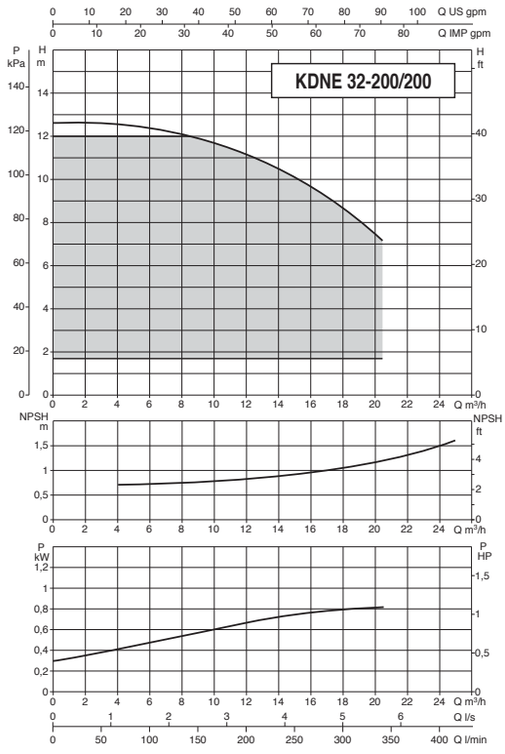
KDNE 32-200.1/207

≅ 1450 1/min



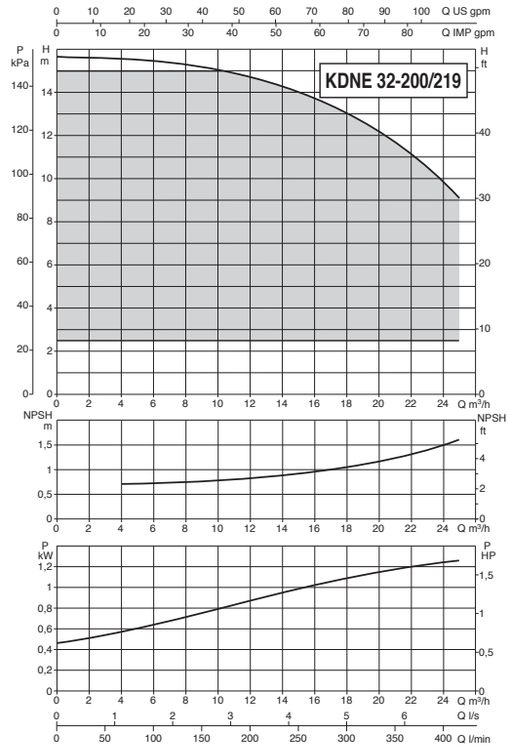
KDNE 32-200/200

≅ 1450 1/min



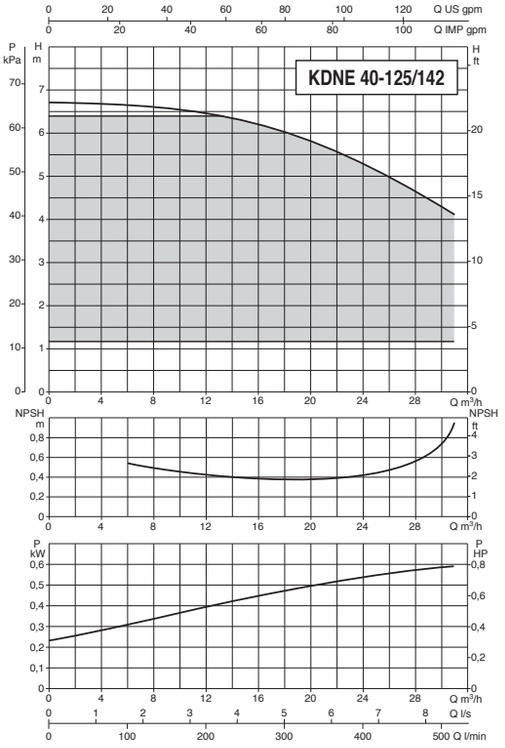
KDNE 32-200/219

≅ 1450 1/min



KDNE 40-125/142

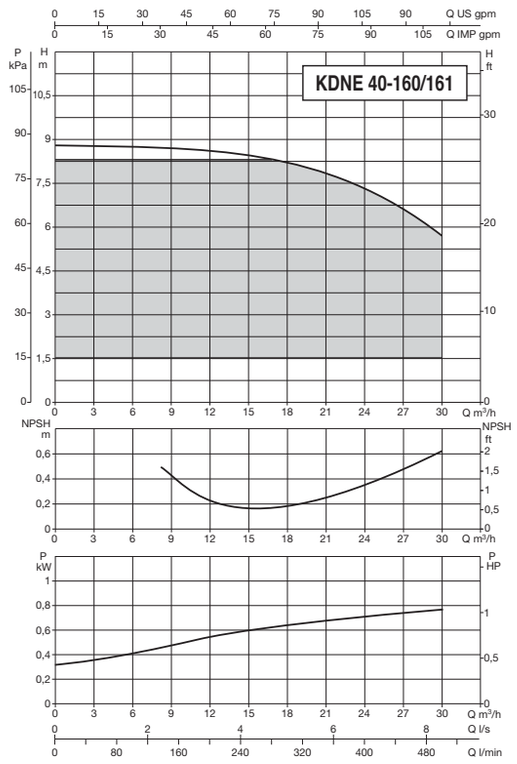
≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

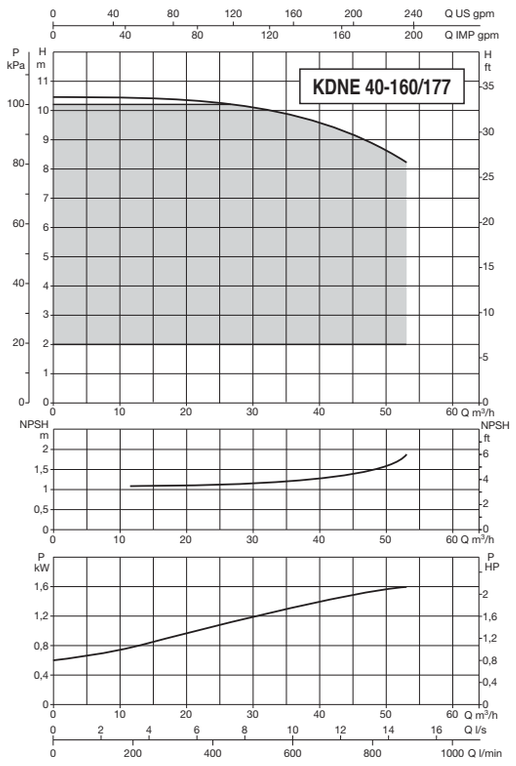
KDNE 40-160/161

≅ 1450 1/min



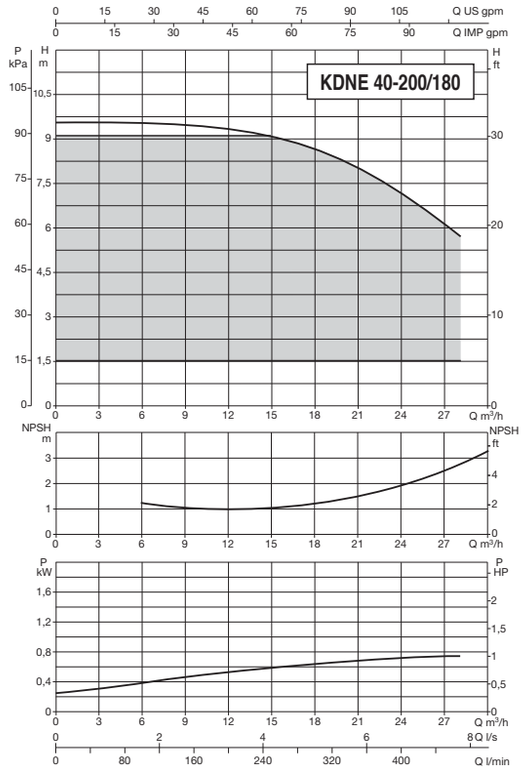
KDNE 40-160/177

≅ 1450 1/min



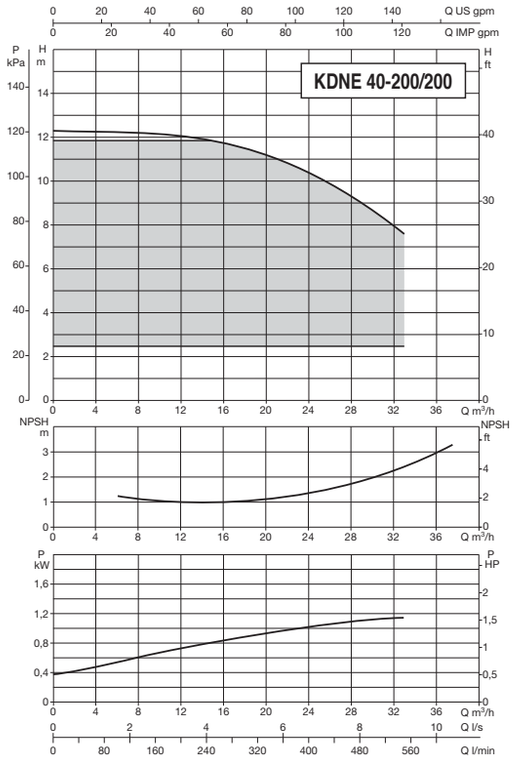
KDNE 40-200/180

≅ 1450 1/min



KDNE 40-200/200

≅ 1450 1/min



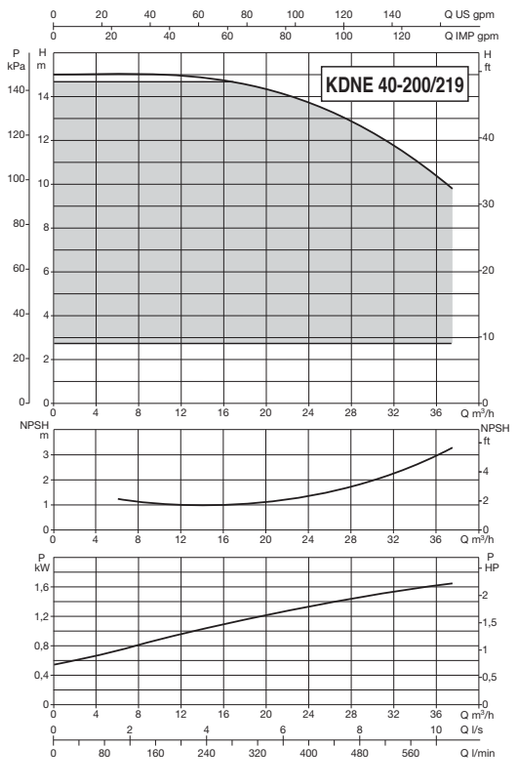
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

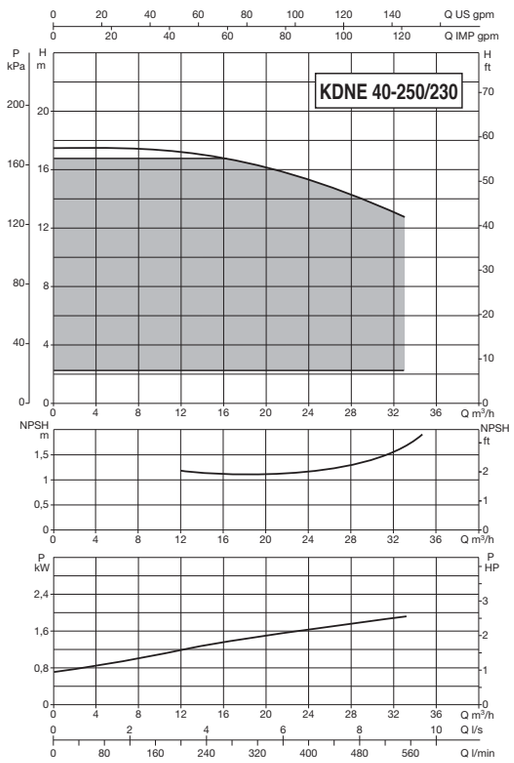
KDNE 40-200/219

≅ 1450 1/min



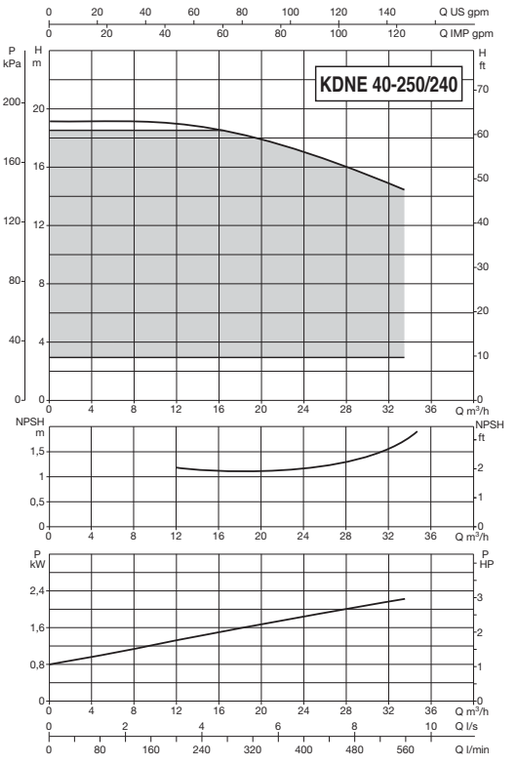
KDNE 40-250/230

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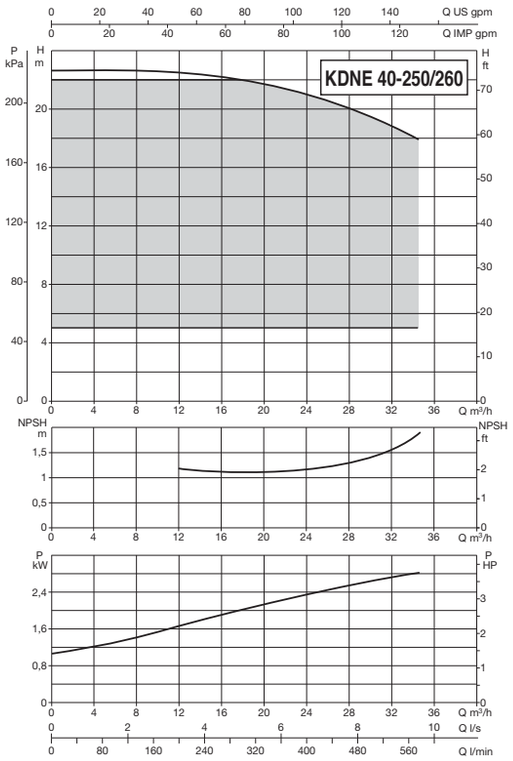
KDNE 40-250/240

≅ 1450 1/min



KDNE 40-250/260

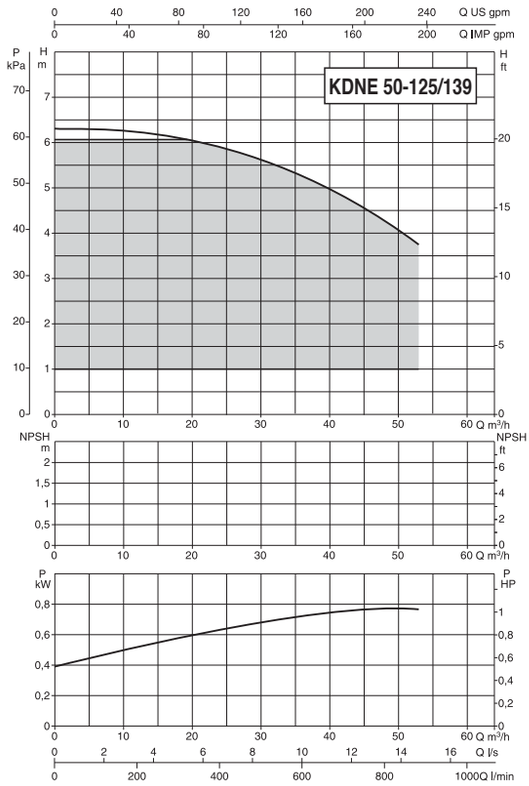
≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

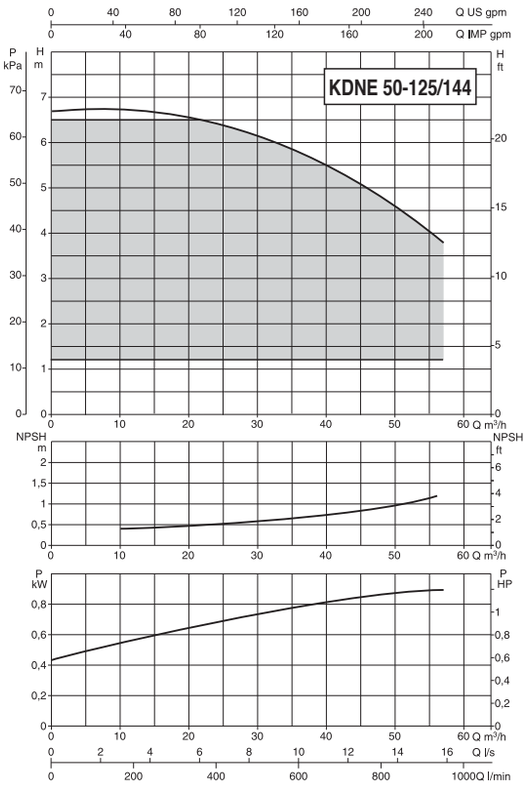
KDNE 50-125/139

≅ 1450 1/min



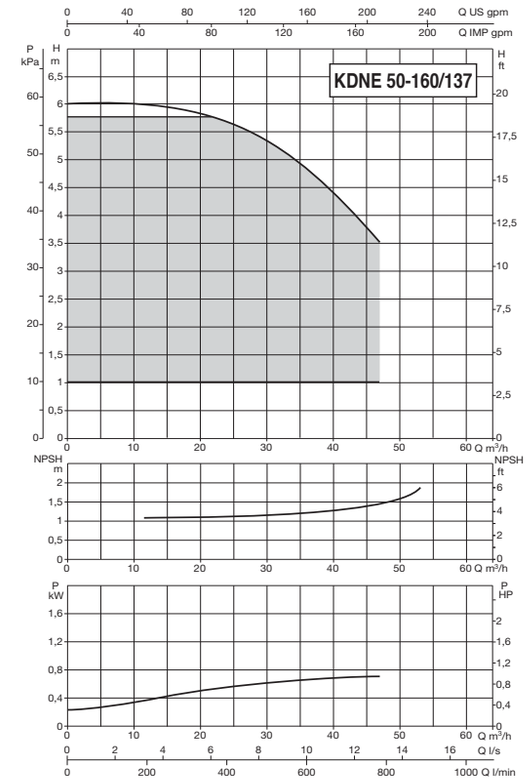
KDNE 50-125/144

≅ 1450 1/min



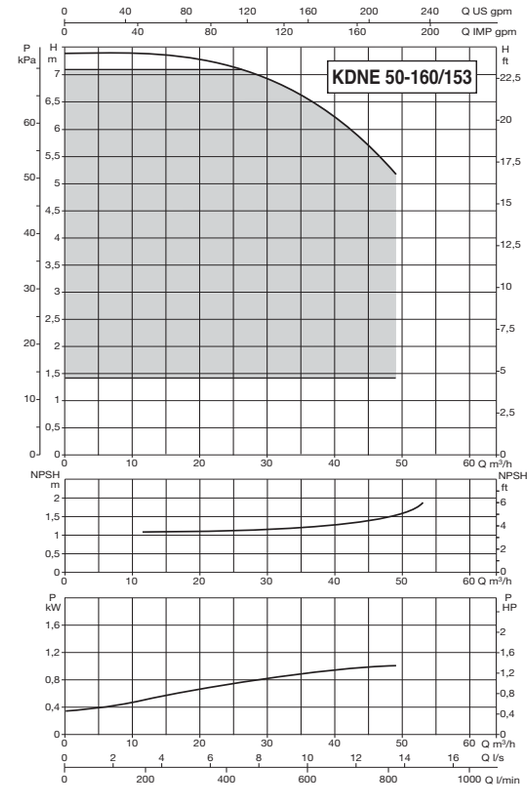
KDNE 50-160/137

≅ 1450 1/min



KDNE 50-160/153

≅ 1450 1/min

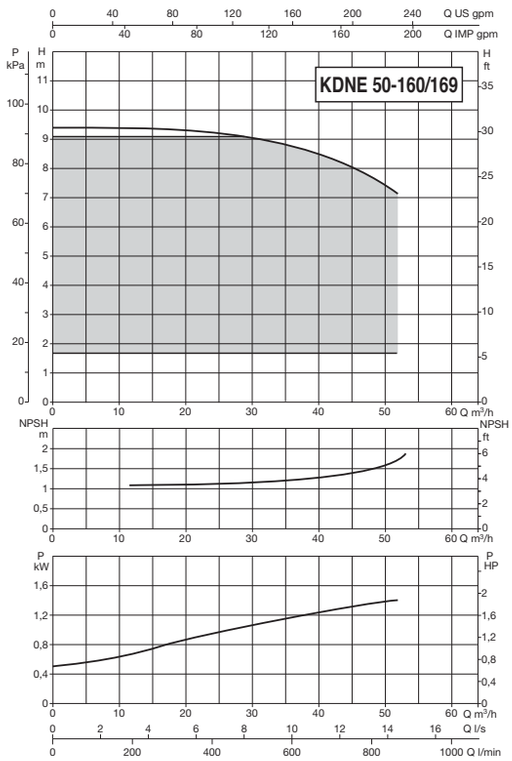


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

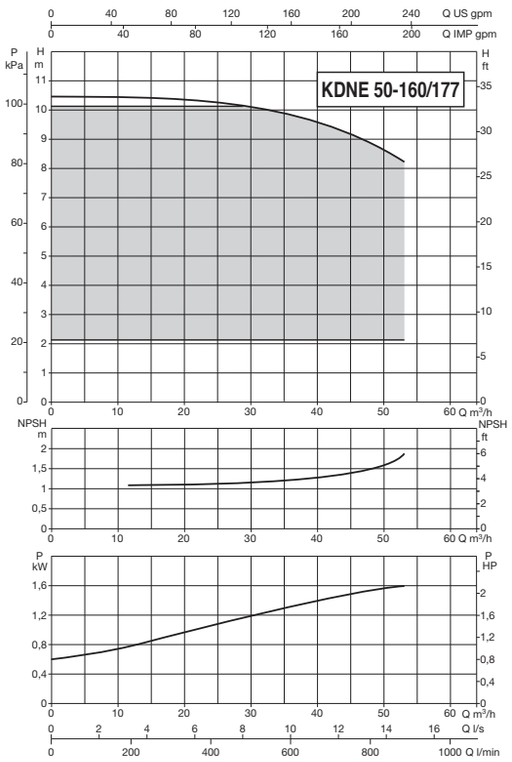
KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

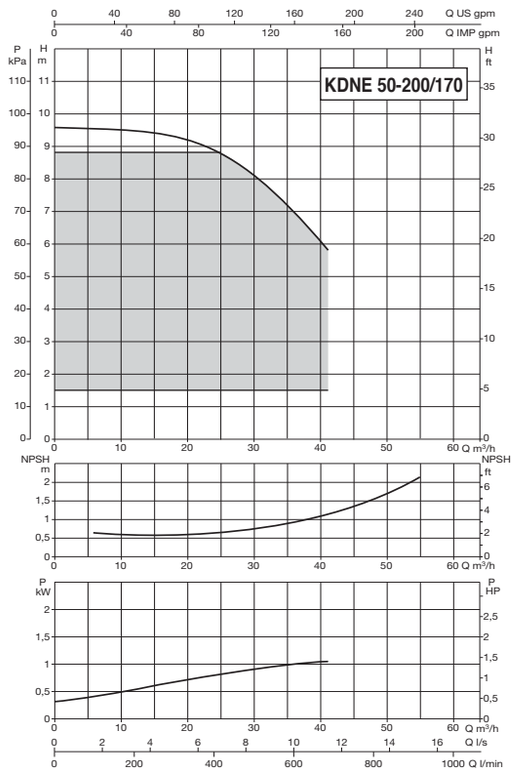
KDNE 50-160/169 ≅ 1450 1/min



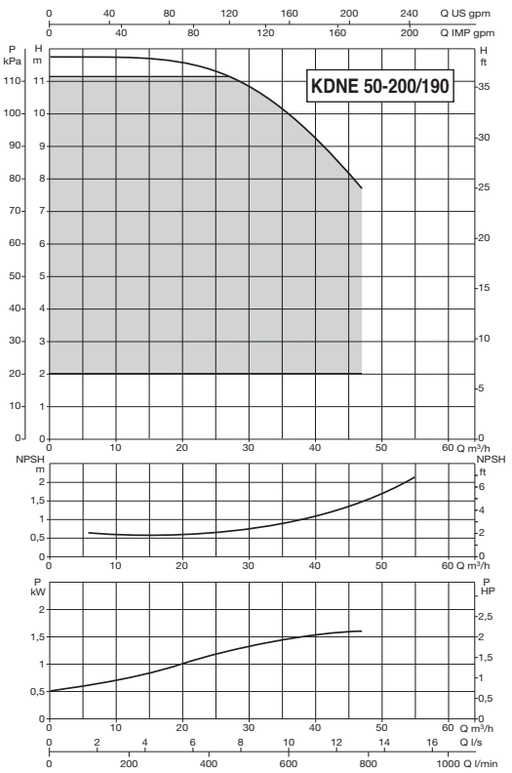
KDNE 50-160/177 ≅ 1450 1/min



KDNE 50-200/170 ≅ 1450 1/min



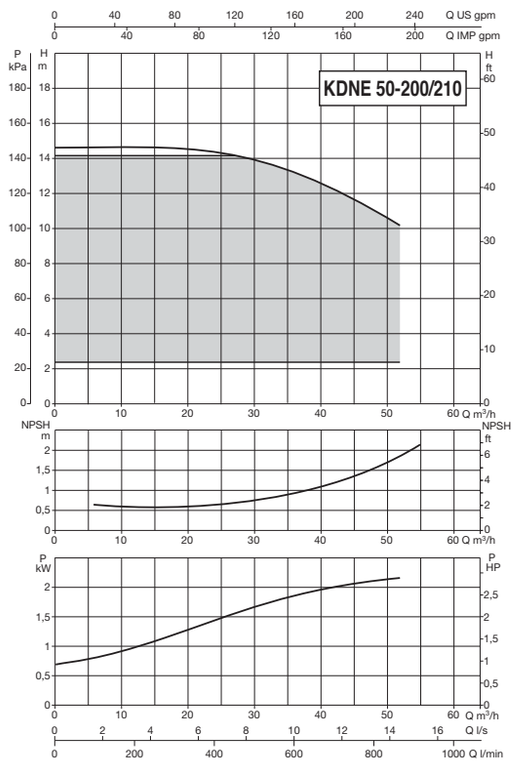
KDNE 50-200/190 ≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

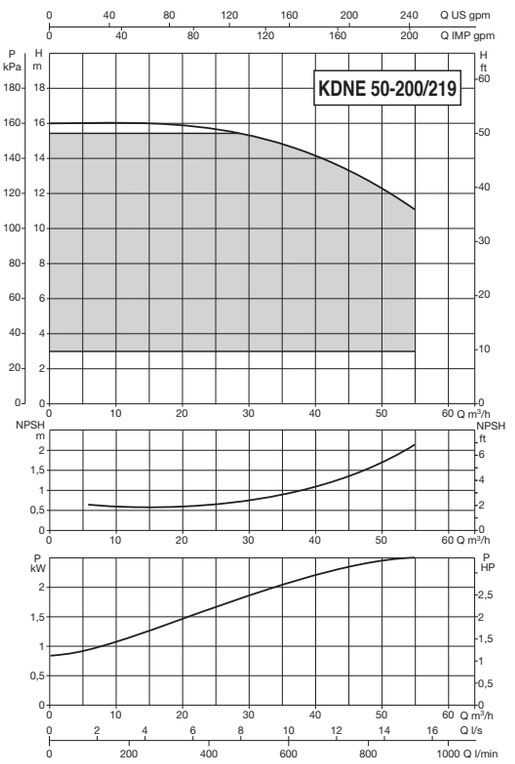
KDNE 50-200/210

≅ 1450 1/min



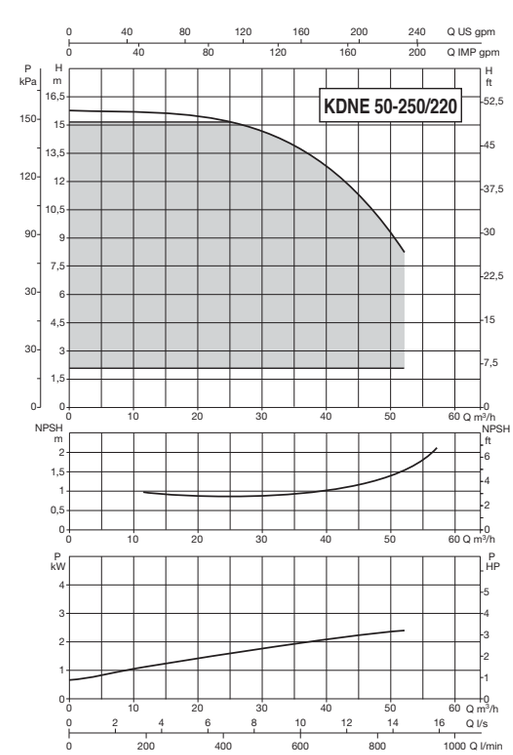
KDNE 50-200/219

≅ 1450 1/min



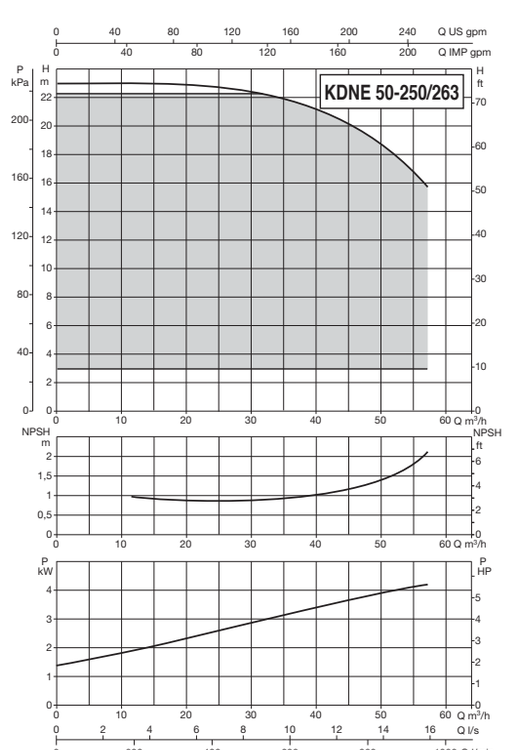
KDNE 50-250/220

≅ 1450 1/min



KDNE 50-250/263

≅ 1450 1/min

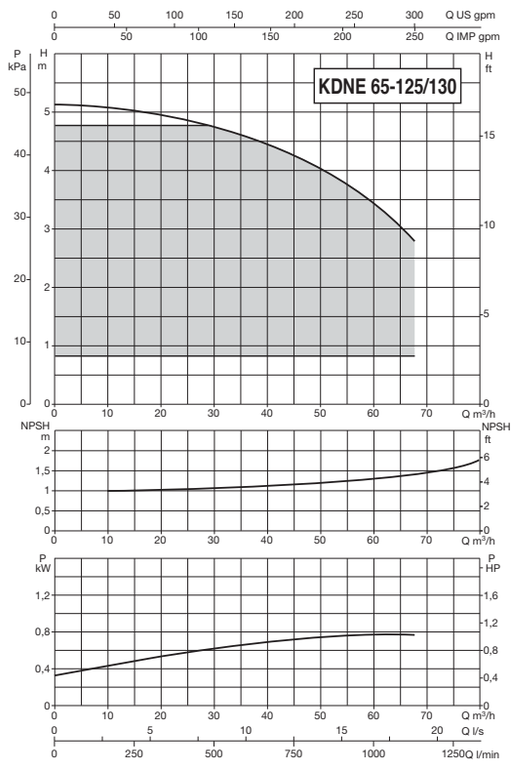


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

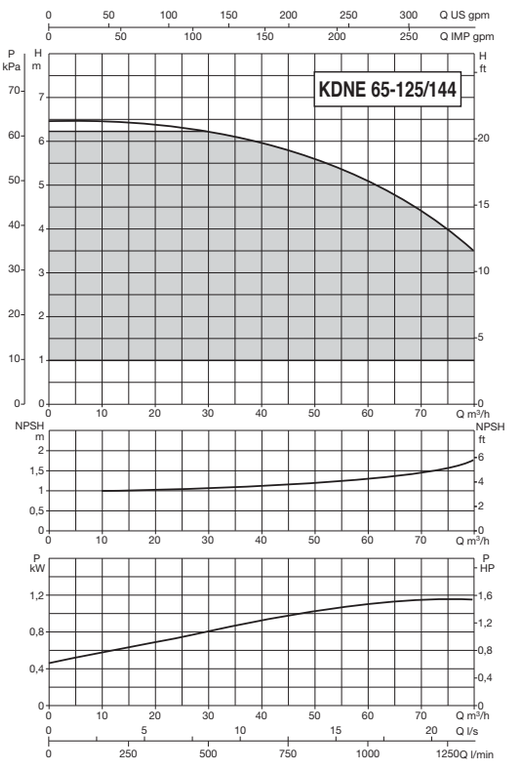
KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

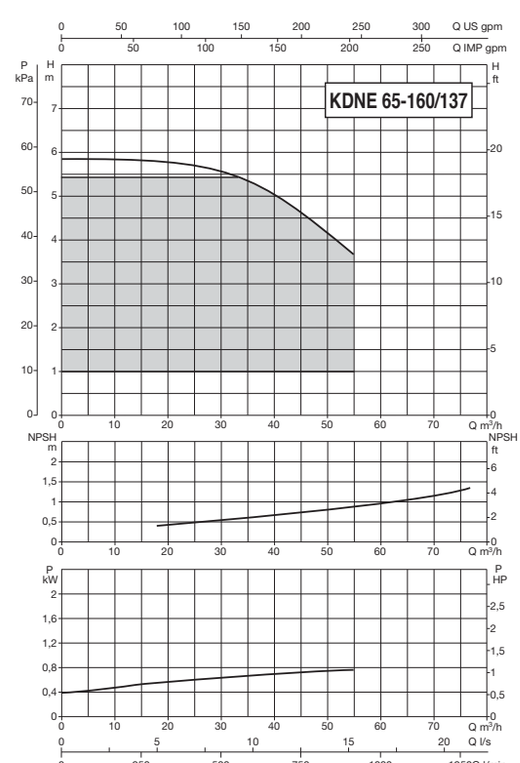
KDNE 65-125/130 ≅ 1450 1/min



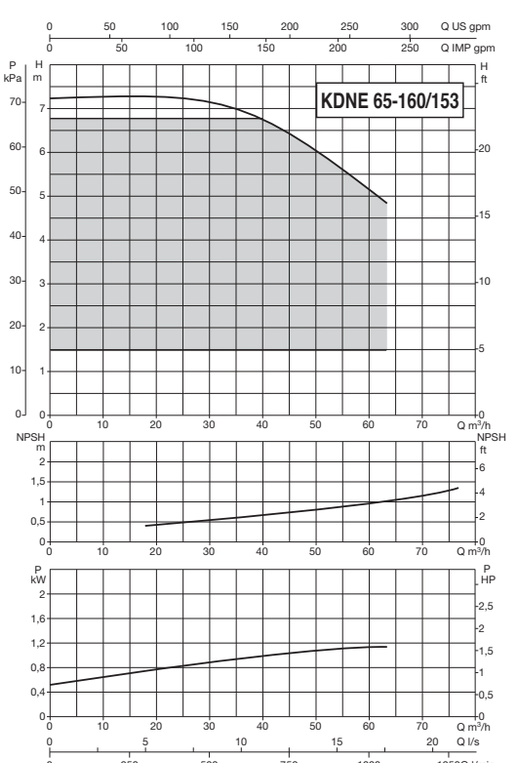
KDNE 65-125/144 ≅ 1450 1/min



KDNE 65-160/137 ≅ 1450 1/min



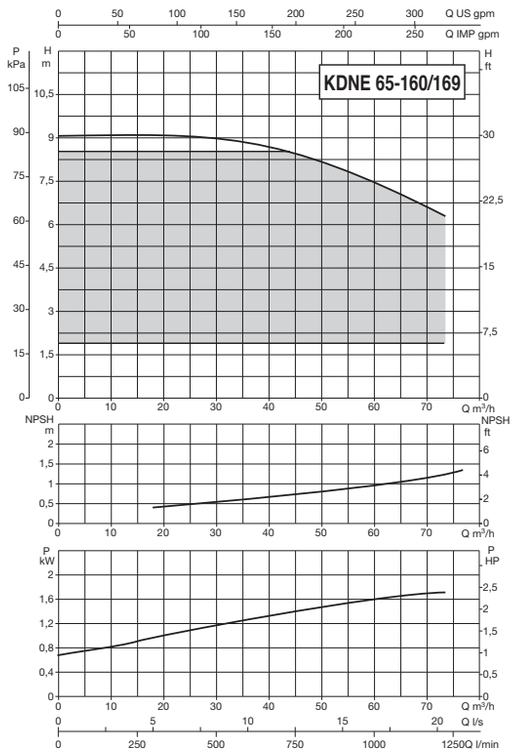
KDNE 65-160/153 ≅ 1450 1/min



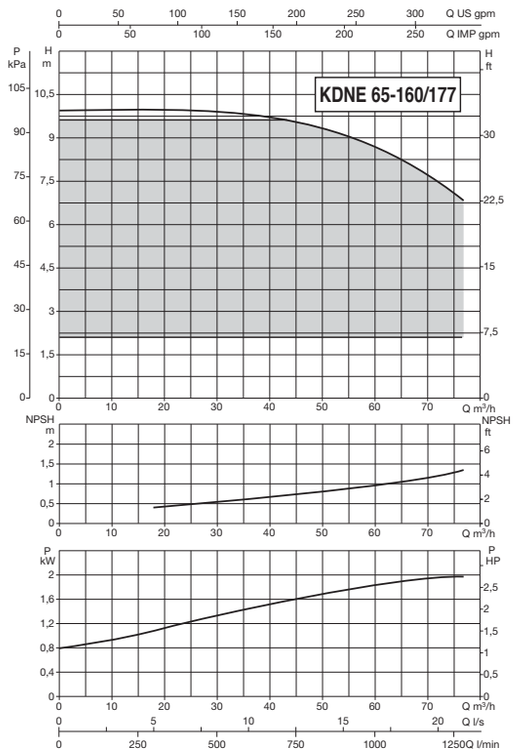
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 65-160/169

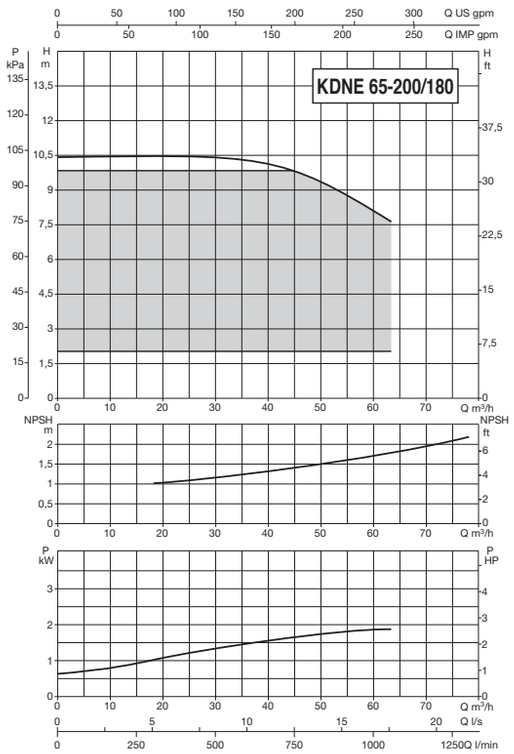
≅ 1450 1/min



≅

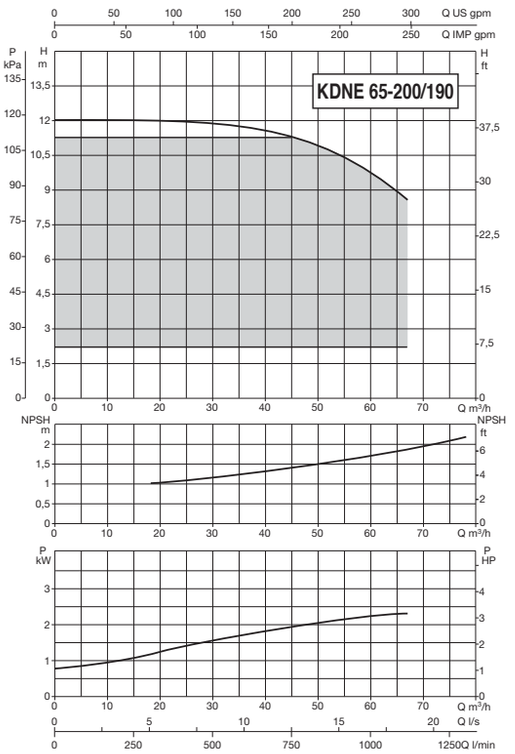


≅



KDNE 65-200/190

≅ 1450 1/min



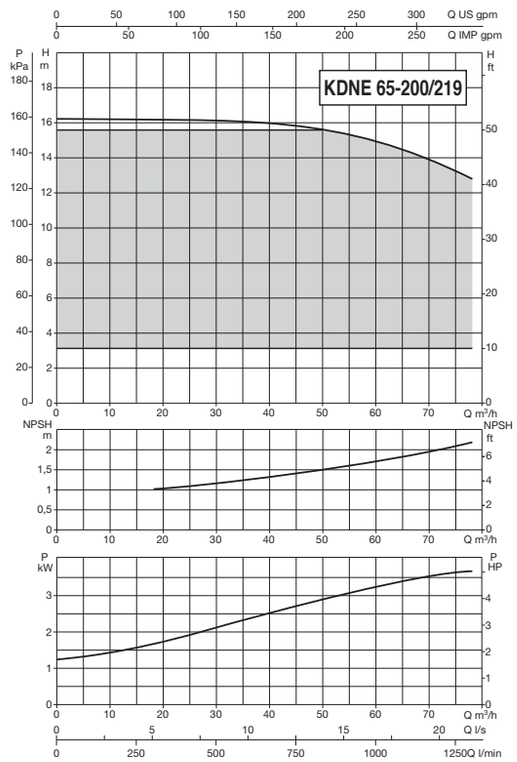
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

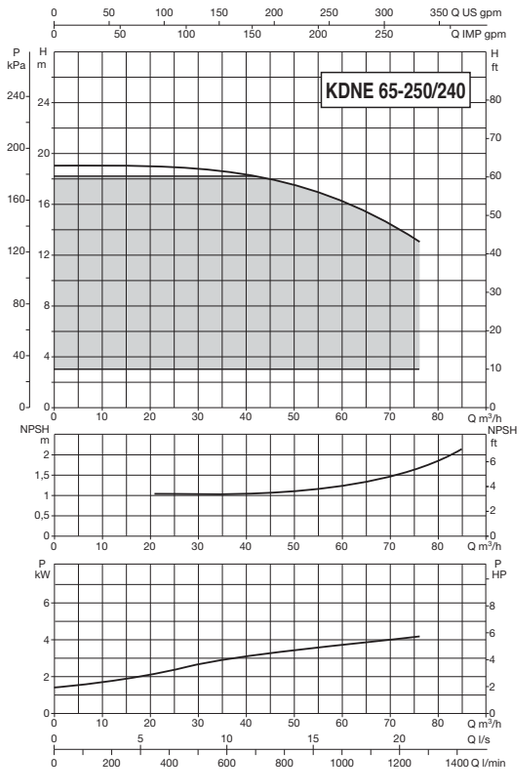
KDNE 65-200/219

≅ 1450 1/min



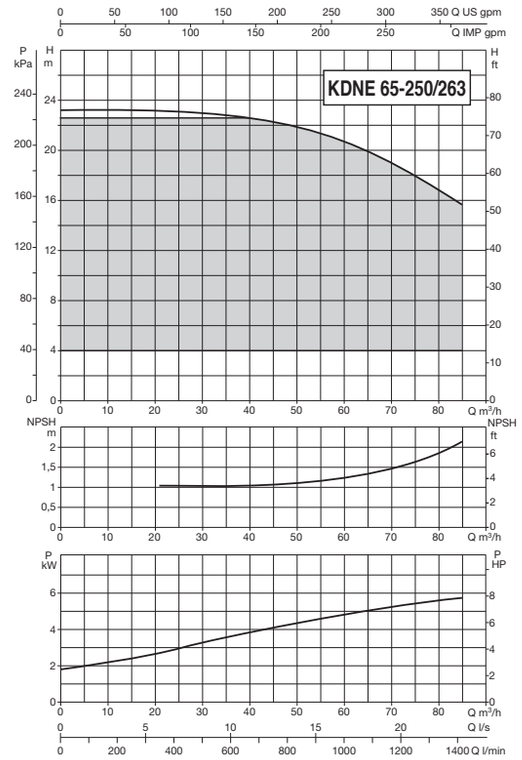
KDNE 65-250/240

≅ 1450 1/min



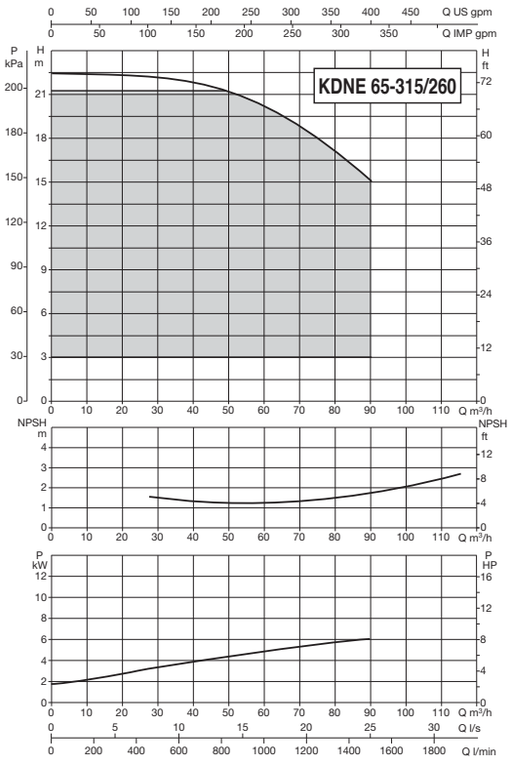
KDNE 65-250/263

≅ 1450 1/min



KDNE 65-315/260

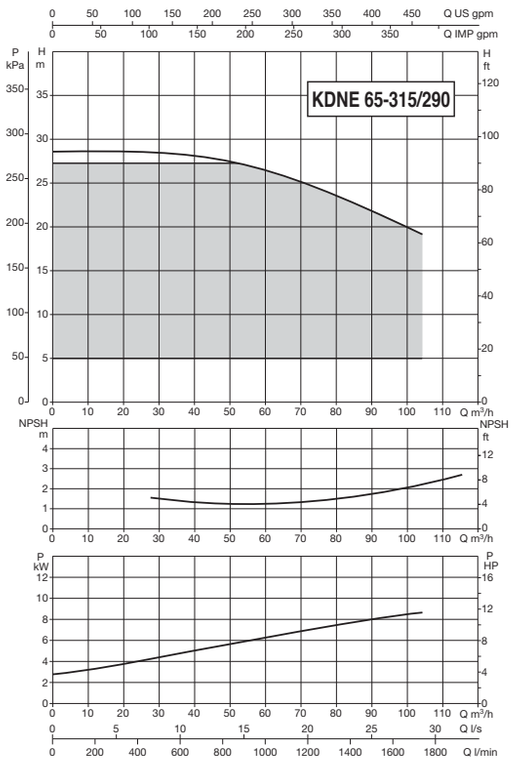
≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

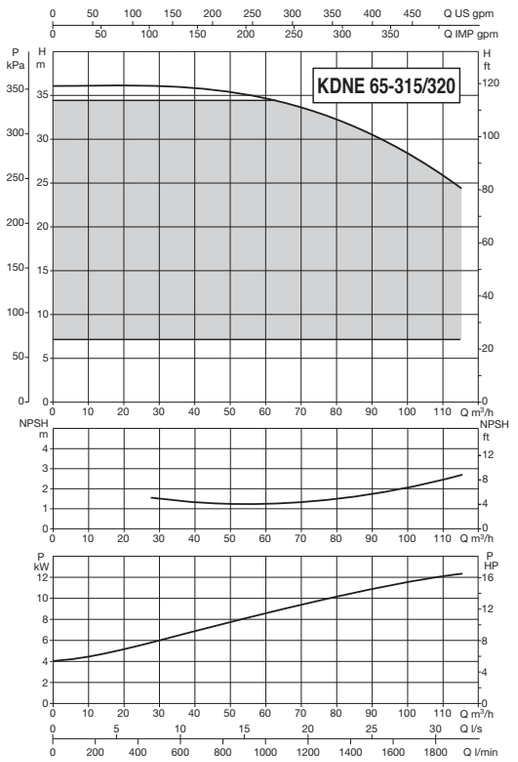
KDNE 65-315/290

≅ 1450 1/min



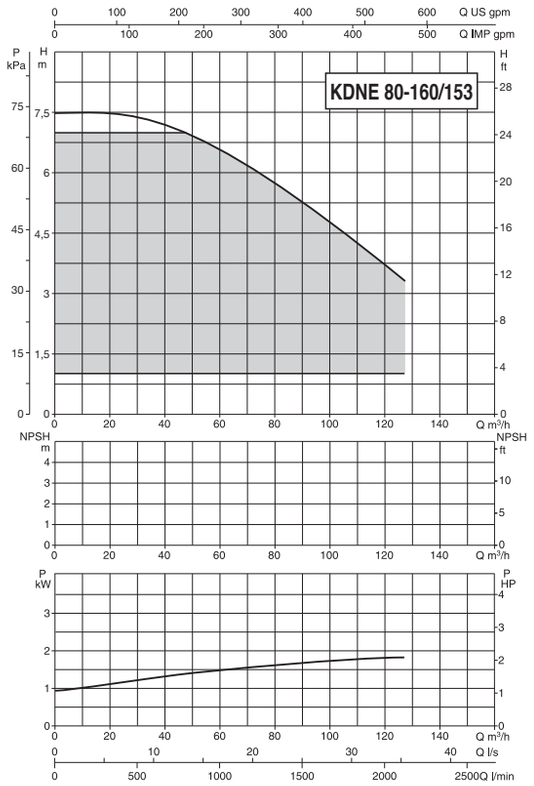
KDNE 65-315/320

≅ 1450 1/min



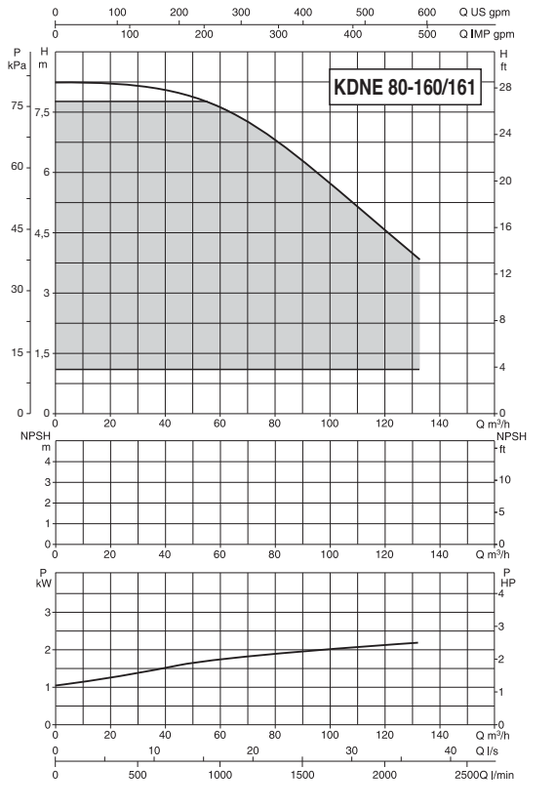
KDNE 80-160/153

≅ 1450 1/min



KDNE 80-160/161

≅ 1450 1/min



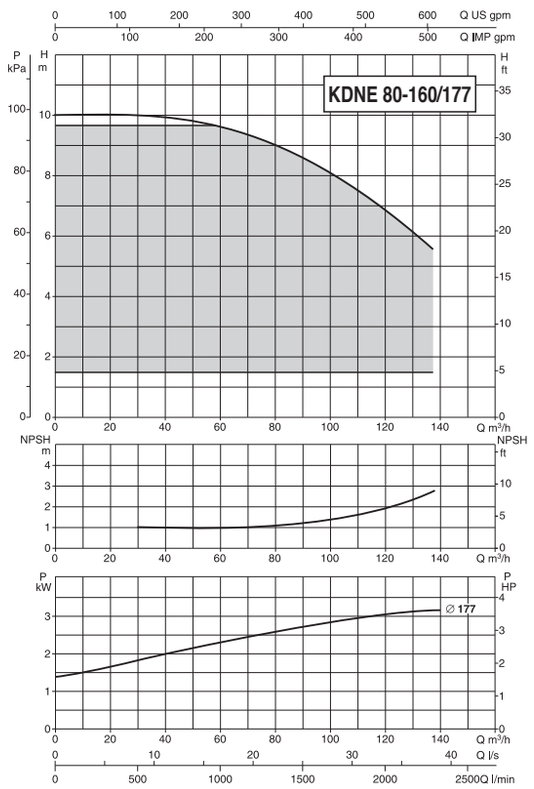
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

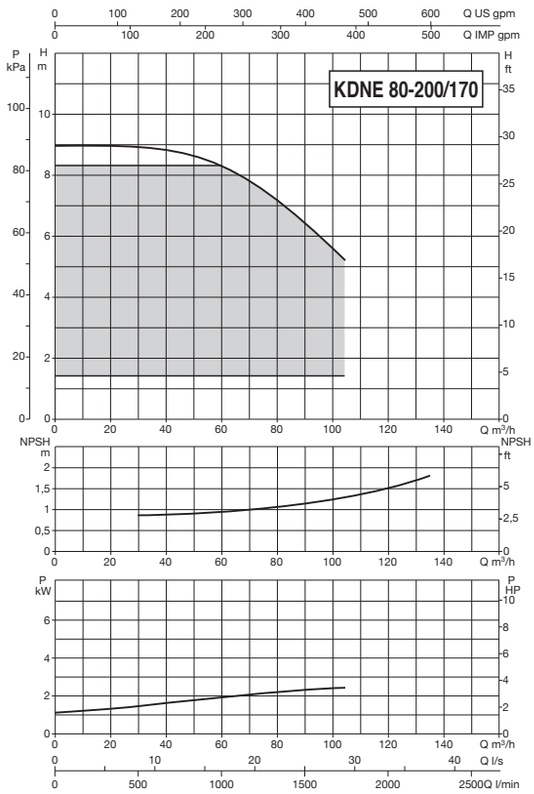
KDNE 80-160/177

≅ 1450 1/min



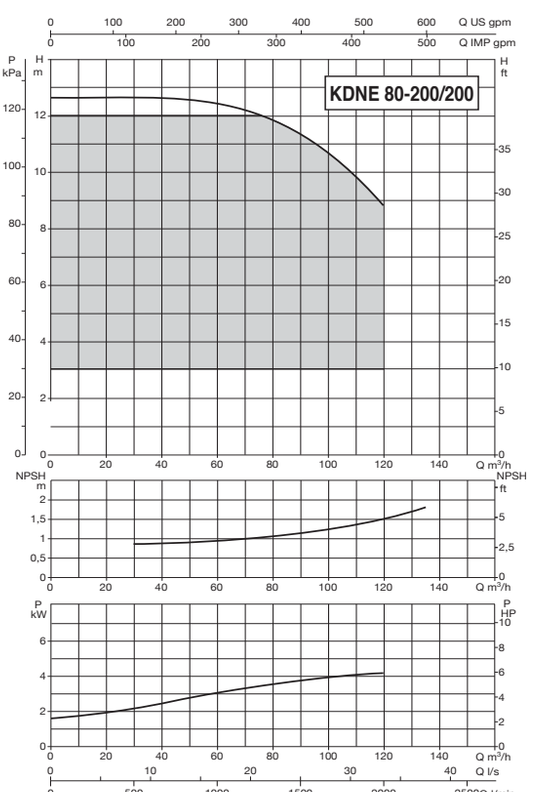
KDNE 80-200/170

≅ 1450 1/min



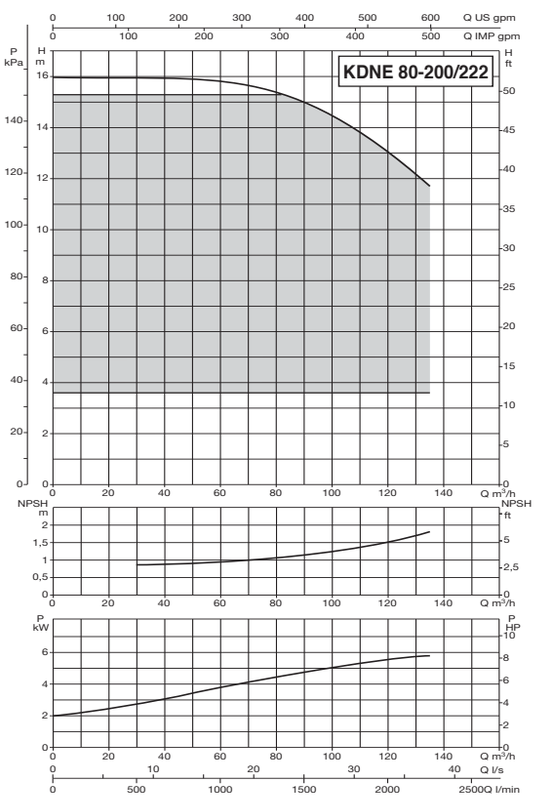
KDNE 80-200/200

≅ 1450 1/min



KDNE 80-200/222

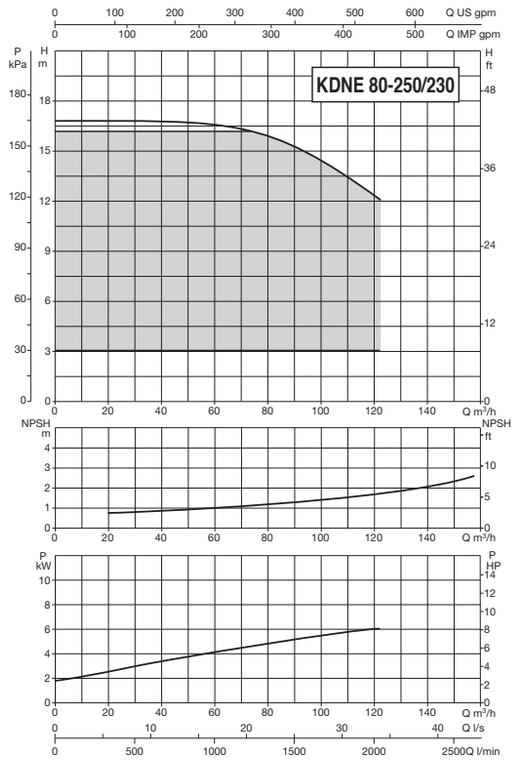
≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

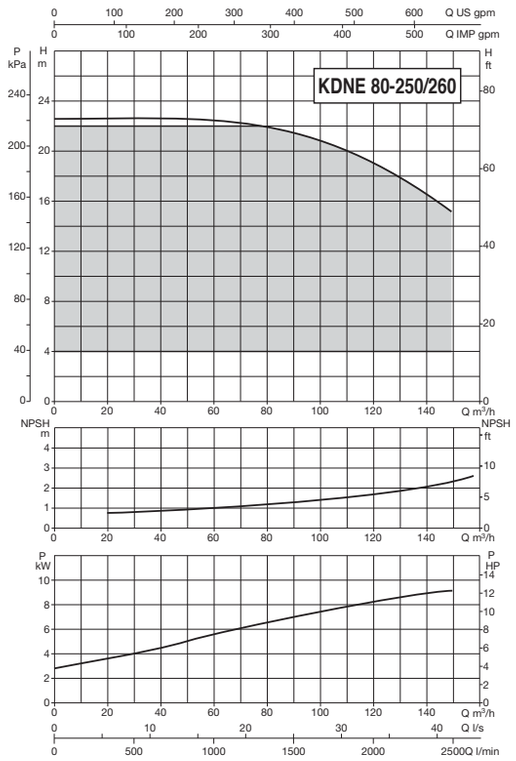
KDNE 80-250/230

≅ 1450 1/min



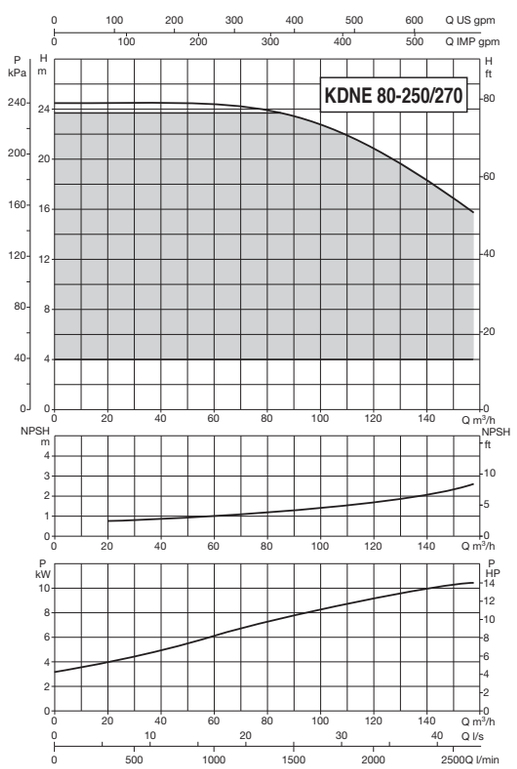
KDNE 80-250/260

≅ 1450 1/min



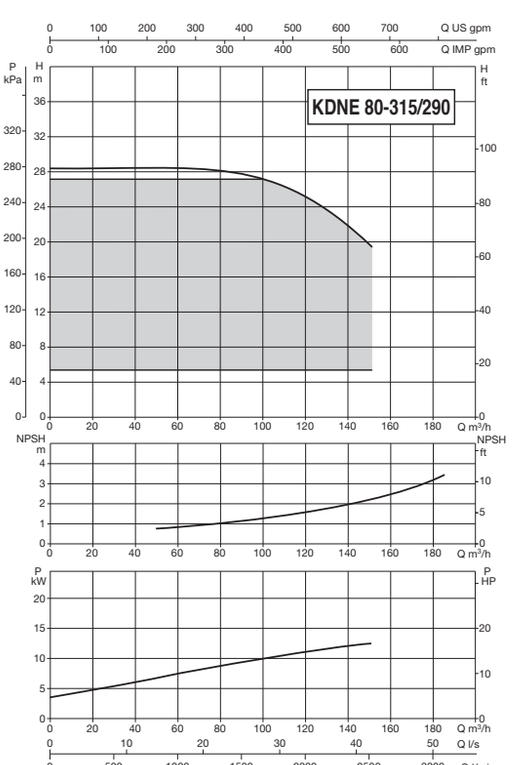
KDNE 80-250/270

≅ 1450 1/min



KDNE 80-315/290

≅ 1450 1/min



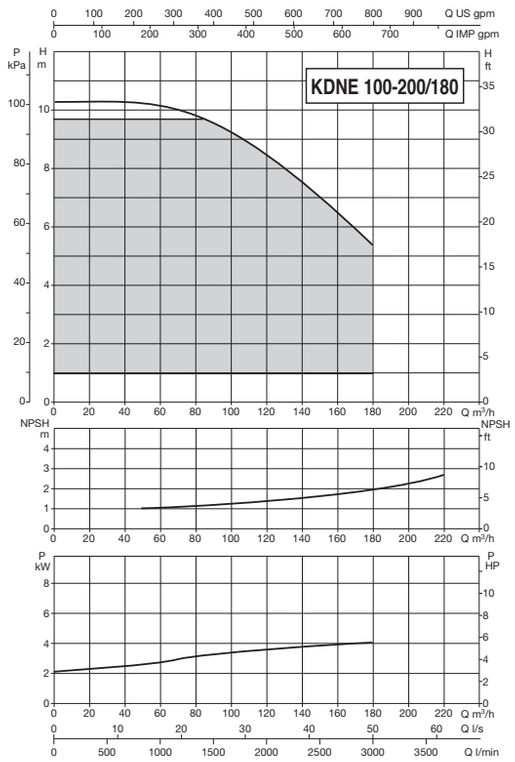
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

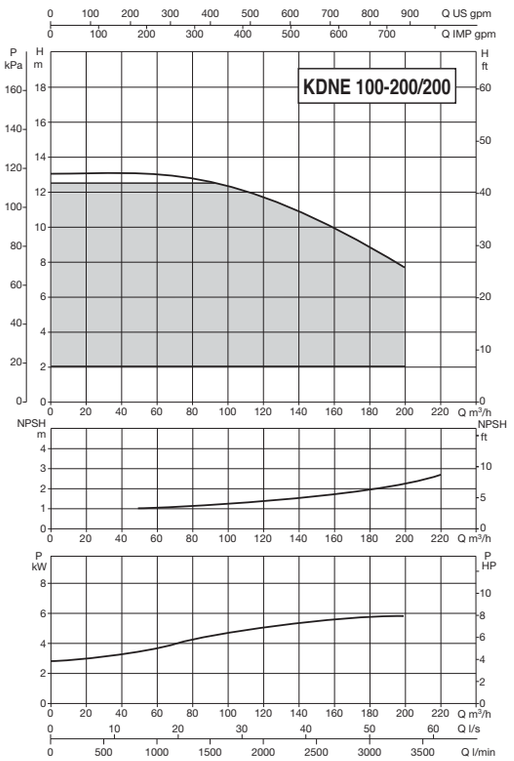
KDNE 100-200/180

≅ 1450 1/min



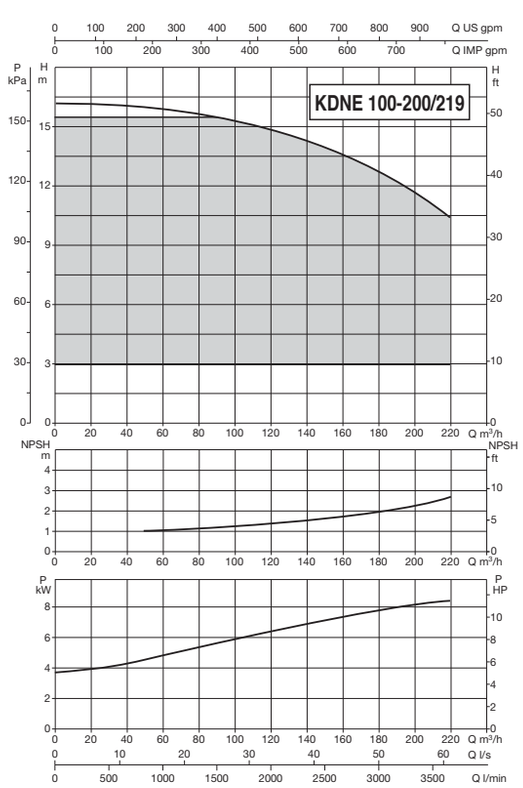
KDNE 100-200/200

≅ 1450 1/min



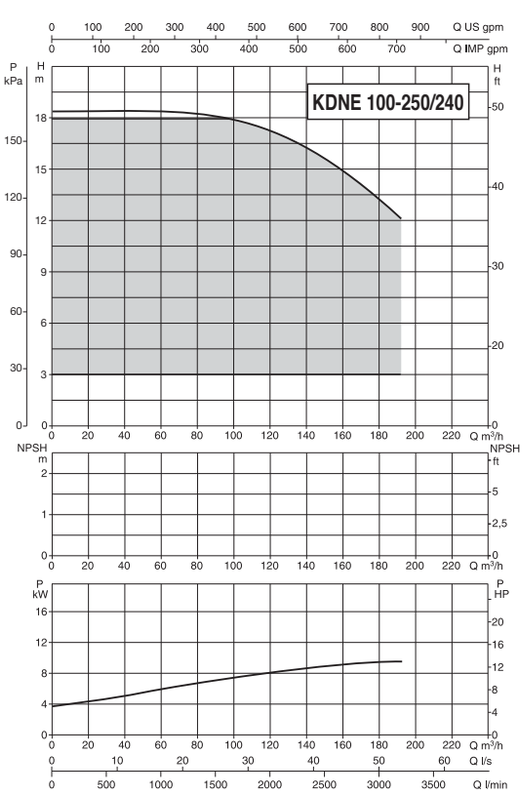
KDNE 100-200/219

≅ 1450 1/min



KDNE 100-250/240

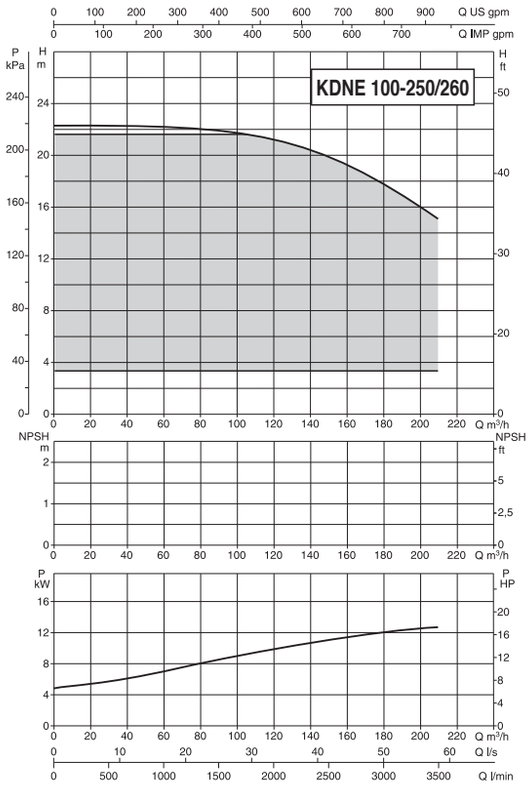
≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

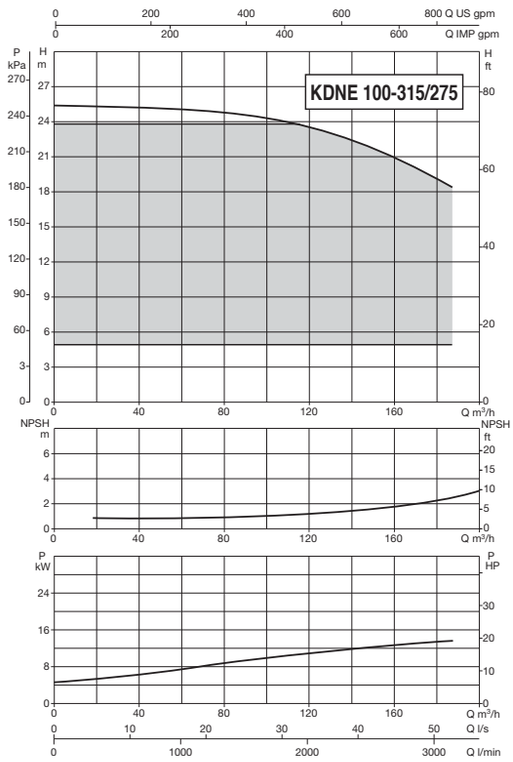
KDNE 100-250/260

≅ 1450 1/min



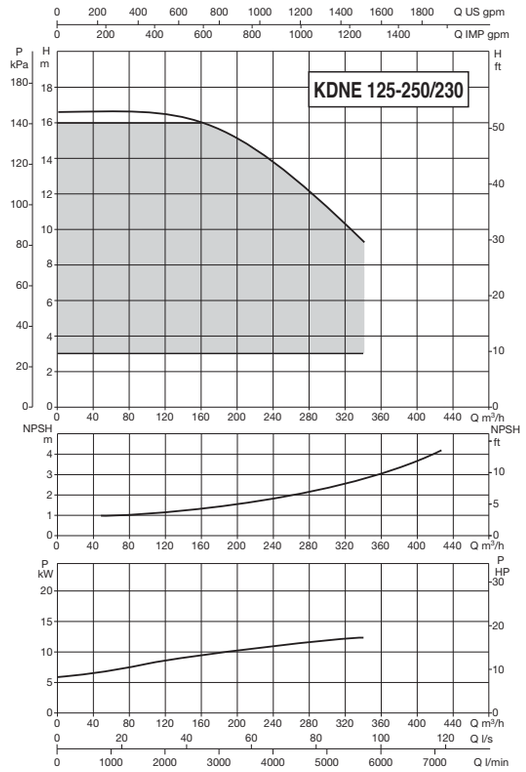
KDNE 100-315/275

≅ 1450 1/min



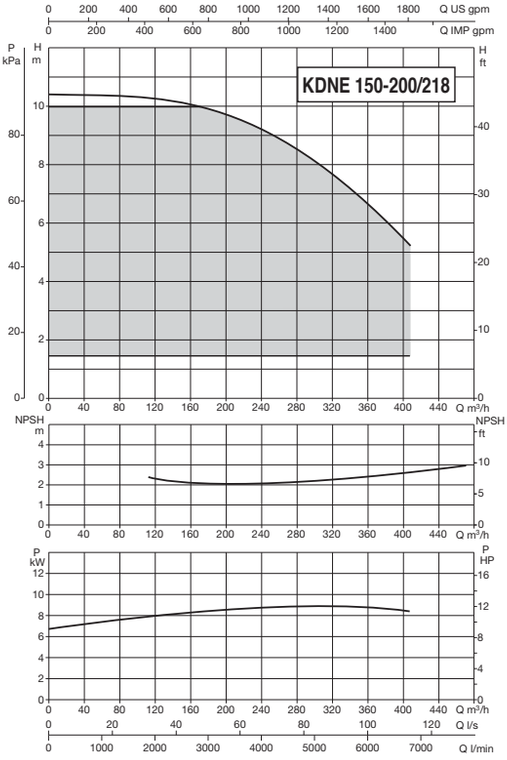
KDNE 125-250/230

≅ 1450 1/min



KDNE 150-200/218

≅ 1450 1/min

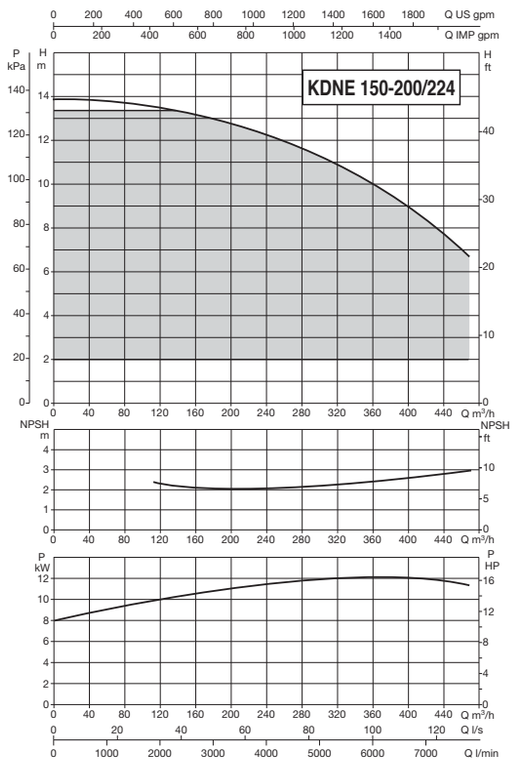


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 4 POLES

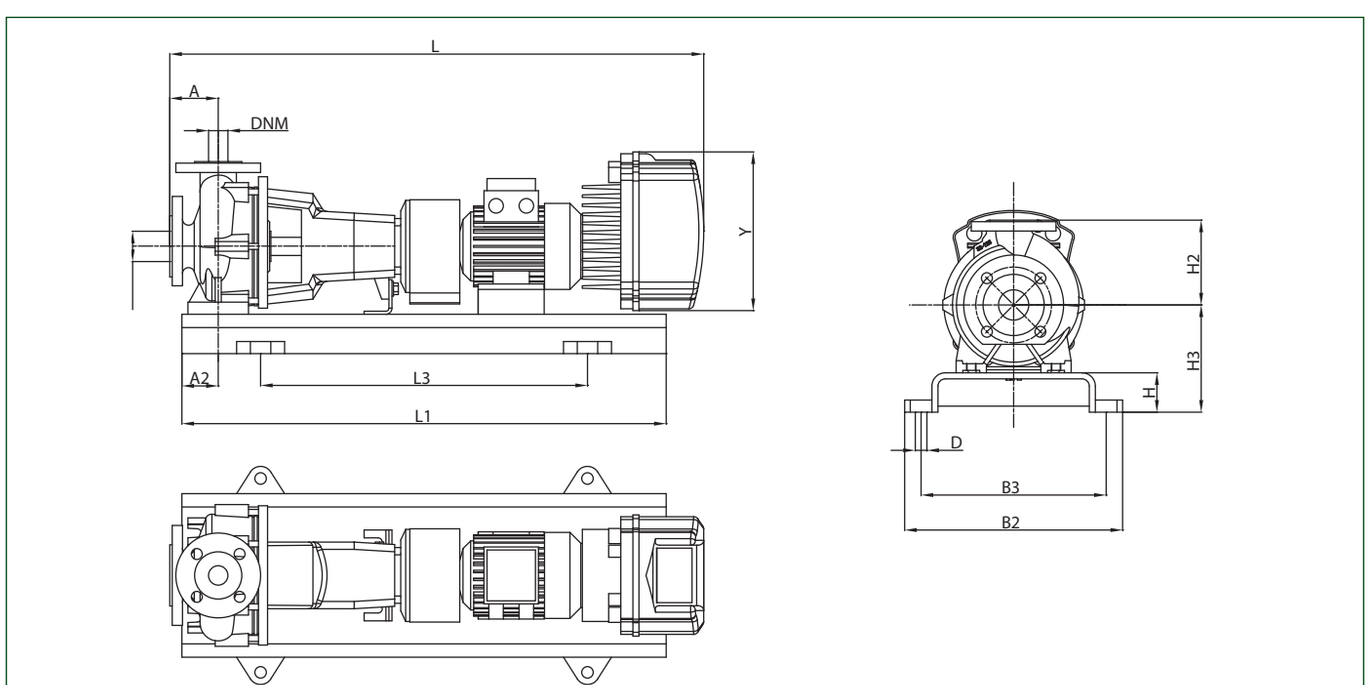
ELECTRONIC CENTRIFUGAL PUMPS ON SKID

KDNE 150-200/224 ≅ 1450 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

DIMENSIONS



KDNE 4 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

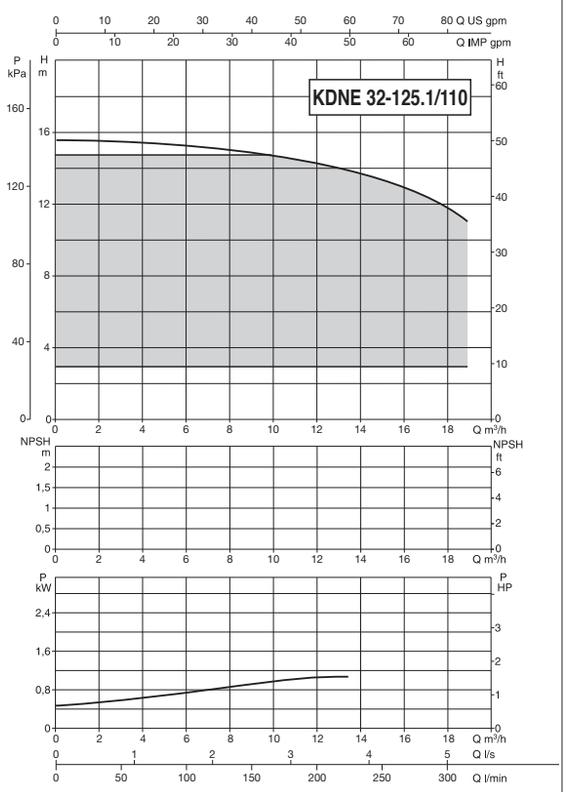
MODEL	A	A2	H2	H	H3	L1	L3	B2	B3	D	Y	FLANGE DIMENSIONS		STANDARD COUPLING		SPACER COUPLING	
												DNA	DNM	L	WEIGHT [Kg]	L	WEIGHT [Kg]
KDNE 32-125.1/140/A/BAQE/1/0,55/4 M MCE11/C	80	60	140	65	177	800	540	360	320	-	262	50	32	937	87	1037	92
KDNE 32-125/142/A/BAQE/1/0,75/4 M MCE11/C	80	60	140	65	177	800	540	360	320	19	262	50	32	937	88	1037	93
KDNE 32-160.1/177/A/BAQE/1/0.75/4 M MCE11/C	80	60	160	65	197	800	540	360	320	19	262	50	32	937	90	1037	95
KDNE 32-160/177/A/BAQE/1/1,1/4 M MCE11/C	80	60	160	65	197	800	540	360	320	19	262	50	32	989	92	1089	97
KDNE 32-200.1/207/A/BAQE/1/1.1/4 M MCE11/C	80	60	180	65	225	800	540	360	320	19	262	50	32	989	110	1089	115
KDNE 32-200/200/A/BAQE/1/1,1/4 M MCE11/C	80	60	180	65	225	800	540	360	320	19	262	50	32	989	105	1089	110
KDNE 32-200/219/A/BAQE/1/2,2/4 M MCE22/C	80	60	180	65	225	900	600	390	350	19	262	50	32	1026	106	1126	111
KDNE 40-125/142/A/BAQE/1/1.1/4 M MCE11/C	80	60	140	65	177	800	540	360	320	19	262	65	40	989	90	1089	95
KDNE 40-160/161/A/BAQE/1/1,1/4 M MCE11/C	80	60	160	65	197	800	540	360	320	19	262	65	40	989	95	1089	100
KDNE 40-160/177/A/BAQE/1/1,5/4 M MCE15/C	80	60	160	65	197	900	600	390	350	19	262	65	40	989	105	1089	110
KDNE 40-200/180/A/BAQE/1/1,1/4 M MCE11/C	100	60	180	65	225	900	600	390	350	19	262	65	40	1009	105	1109	110
KDNE 40-200/200/A/BAQE/1/1,5/4 M MCE15/C	100	60	180	65	225	900	600	390	350	19	262	65	40	1009	109	1109	114
KDNE 40-200/219/A/BAQE/1/2,2/4 M MCE22/C	100	60	180	65	225	900	600	390	350	19	262	65	40	1046	115	1146	120
KDNE 40-250/230/A/BAQE/1/2,2/4 M MCE22/C	100	75	225	80	260	1000	660	450	400	24	262	65	40	1046	133	1146	138
KDNE 40-250/240/A/BAQE/1/3/4 T MCE30/C	100	75	225	80	260	1000	660	450	400	24	353	65	40	1046	158	1146	163
KDNE 40-250/260/A/BAQE/1/4/4 T MCE55/C	100	75	225	80	260	1000	660	450	400	24	353	65	40	1069	209	1169	214
KDNE 50-125/139/A/BAQE/1/1,1/4 M MCE11/C	100	60	160	65	197	800	540	360	320	19	262	65	50	1009	97	1109	102
KDNE 50-125/144/A/BAQE/1/1,5/4 M MCE15/C	100	60	160	65	197	900	600	390	350	19	262	65	50	1009	105	1109	110
KDNE 50-160/137/A/BAQE/1/1,1/4 M MCE11/C	100	60	180	65	225	900	600	390	350	19	262	65	50	1009	104	1109	109
KDNE 50-160/153/A/BAQE/1/1,5/4 M MCE15/C	100	60	180	65	225	900	600	390	350	19	262	65	50	1009	107	1109	112
KDNE 50-160/169/A/BAQE/1/2,2/4 M MCE22/C	100	60	180	65	225	900	600	390	350	19	262	65	50	1046	111	1146	116
KDNE 50-160/177/A/BAQE/1/3/4 T MCE30/C	100	60	180	65	225	900	600	390	350	19	353	65	50	1046	119	1146	124
KDNE 50-200/170/A/BAQE/1/1,5/4 M MCE15/C	100	60	200	65	225	900	600	390	350	19	262	65	50	1009	118	1109	123
KDNE 50-200/190/A/BAQE/1/2,2/4 M MCE22/C	100	60	200	65	225	900	600	390	350	19	262	65	50	1046	127	1146	132
KDNE 50-200/210/A/BAQE/1/3/4 T MCE30/C	100	60	200	65	225	900	600	390	350	19	353	65	50	1046	131	1146	136
KDNE 50-200/219/A/BAQE/1/4/4 T MCE55/C	100	60	200	65	225	900	600	390	350	19	353	65	50	1069	131	1169	136
KDNE 50-250/220/A/BAQE/1/3/4 T MCE30/C	100	75	225	80	260	1000	660	450	400	24	353	65	50	1046	147	1146	152
KDNE 50-250/263/A/BAQE/1/5,5/4 T MCE55/C	100	75	225	80	260	1120	740	490	440	24	353	65	50	1179	182	1279	187
KDNE 65-125/130/A/BAQE/1/1,1/4 M MCE11/C	100	60	180	65	225	900	600	390	350	19	262	80	65	1009	104	1109	109
KDNE 65-125/144/A/BAQE/1/1.5/4 M MCE15/C	100	60	180	65	225	900	600	390	350	19	262	80	65	1009	107	1109	112
KDNE 65-160/137/A/BAQE/1/1,1/4 M MCE11/C	100	60	200	65	225	900	600	390	350	19	262	80	65	1009	107	1109	112
KDNE 65-160/153/A/BAQE/1/1,5/4 M MCE15/C	100	60	200	65	225	900	600	390	350	19	262	80	65	1009	118	1109	123
KDNE 65-160/169/A/BAQE/1/2,2/4 M MCE22/C	100	60	200	65	225	900	600	390	350	19	262	80	65	1046	118	1146	123
KDNE 65-160/177/A/BAQE/1/3/4 T MCE30/C	100	60	200	65	225	900	600	390	350	19	353	80	65	1046	157	1146	162
KDNE 65-200/180/A/BAQE/1/2,2/4 M MCE22/C	100	75	225	80	260	1120	740	490	440	24	262	80	65	1046	151	1146	156
KDNE 65-200/190/A/BAQE/1/3/4 T MCE30/C	100	75	225	80	260	1120	740	490	440	24	353	80	65	1046	159	1146	164
KDNE65-200/219/A/BAQE/1/5,5/4 T MCE55/C	100	75	225	80	260	1120	740	490	440	24	353	80	65	1179	209	1279	214
KDNE 65-250/240/A/BAQE/1/5,5/4 T MCE55/C	100	90	250	80	280	1120	740	490	440	24	353	80	65	1289	210	1429	215
KDNE 65-250/263/A/BAQE/1/7,5/4 T MCE110/C	100	90	250	80	280	1120	740	490	440	24	426	80	65	1339	270	1479	275
KDNE 65-315/260/A/BAQE/1/7,5/4 T MCE110/C	125	90	280	80	305	1250	840	540	490	24	426	80	65	1364	305	1464	310
KDNE 65-315/290/A/BAQE/1/11/4 T MCE110/C	125	90	280	80	305	1250	840	540	490	24	426	80	65	1474	310	1574	315
KDNE 65-315/320/A/BAQE/1/15/4 T MCE150/C	125	90	280	100	325	1400	940	610	550	28	426	80	65	1519	310	1619	315
KDNE 80-160/153/A/BAQE/1/2,2/4 M MCE22/C	125	75	225	80	260	1000	660	450	400	24	262	100	80	1071	143	1171	148
KDNE 80-160/161/A/BAQE/1/3/4 T MCE30/C	125	75	225	80	260	1000	660	450	400	24	353	100	80	1071	147	1171	152
KDNE 80-160/177/A/BAQE/1/4/4 T MCE55/C	125	75	225	80	260	1000	660	450	400	24	353	100	80	1094	147	1194	152
KDNE 80-200/170/A/BAQE/1/3/4 T MCE30/C	125	75	250	80	260	1120	740	490	440	24	353	100	80	1181	177	1281	182
KDNE 80-200/200/A/BAQE/1/5,5/4 T MCE55/C	125	75	250	80	260	1120	740	490	440	24	353	100	80	1314	197	1414	202
KDNE 80-200/222/A/BAQE/1/7,5/4 T MCE110/C	125	75	250	80	260	1120	740	490	440	24	426	100	80	1364	201	1464	206
KDNE 80-250/230/A/BAQE/1/7,5/4 T MCE110/C	125	90	280	80	280	1250	840	540	490	24	426	100	80	1519	232	1619	237
KDNE 80-250/260/A/BAQE/1/11/4 T MCE110/C	125	90	280	80	280	1250	840	540	490	24	426	100	80	1519	271	1659	276
KDNE 80-250/270/A/BAQE/1/15/4 T MCE150/C	125	90	280	80	280	1250	840	540	490	24	426	100	80	1519	290	1659	295
KDNE 80-315/290/A/BAQE/1/15/4 T MCE150/C	125	90	315	100	350	1400	940	610	550	28	426	100	80	1519	403	1659	408
KDNE 100-200/180/A/BAQE/1/5,5/4 T MCE55/C	125	90	280	80	280	1120	740	490	440	24	353	125	100	1314	223	1454	228
KDNE 100-200/200/A/BAQE/1/7,5/4 T MCE110/C	125	90	280	80	280	1120	740	490	440	24	426	125	100	1364	222	1504	227
KDNE 100-200/219/A/BAQE/1/11/4 T MCE110/C	125	90	280	80	280	1250	840	540	490	24	426	125	100	1474	320	1614	325
KDNE 100-250/240/A/BAQE/1/11/4 T MCE110/C	140	90	280	80	305	1250	840	540	490	24	426	125	100	1489	305	1629	310
KDNE 100-250/260/A/BAQE/1/15/4 T MCE150/C	140	90	280	100	325	1400	940	610	550	28	426	125	100	1534	313	1674	318
KDNE 100-315/275/A/BAQE/1/15/4 T MCE150/C	140	90	315	100	350	1400	940	610	550	28	426	125	100	1534	313	1674	318
KDNE 125-250/230/A/BAQE/1/15/4 T MCE150/C	140	90	355	100	350	1400	940	610	550	28	426	150	125	1534	429	1674	434
KDNE 150-200/218-182/A/BAQE/1/11/4 T MCE110/C	160	110	400	100	380	1800	1200	730	670	280	426	200	150	1459	467	1599	472
KDNE 150-200/224/A/BAQE/1/15/4 T MCE150/C	160	110	400	100	380	1800	1200	730	670	280	426	200	150	1504	467	1644	472

KDNE 2 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

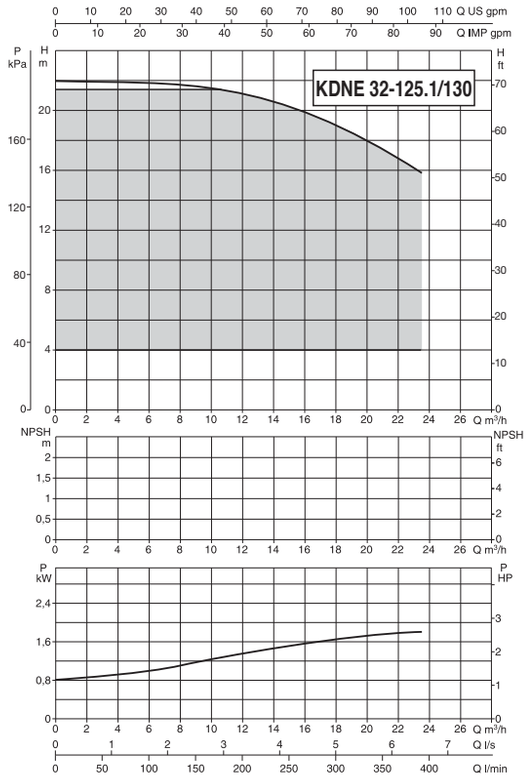
KDNE 32-125.1/110

≅ 2900 1/min



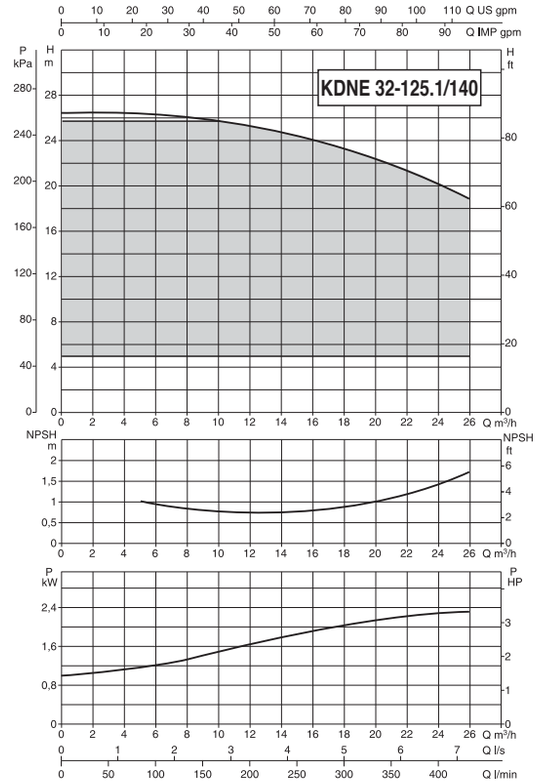
KDNE 32-125.1/130

≅ 2900 1/min



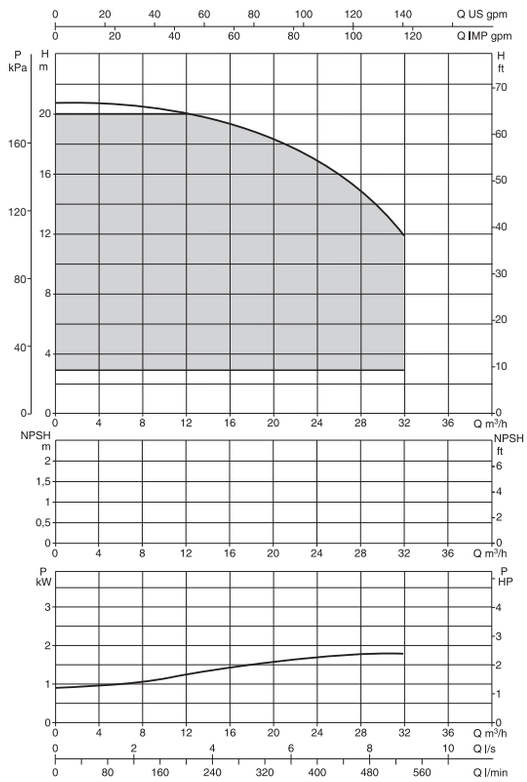
KDNE 32-125.1/140

≅ 2900 1/min



KDNE 32-125/125

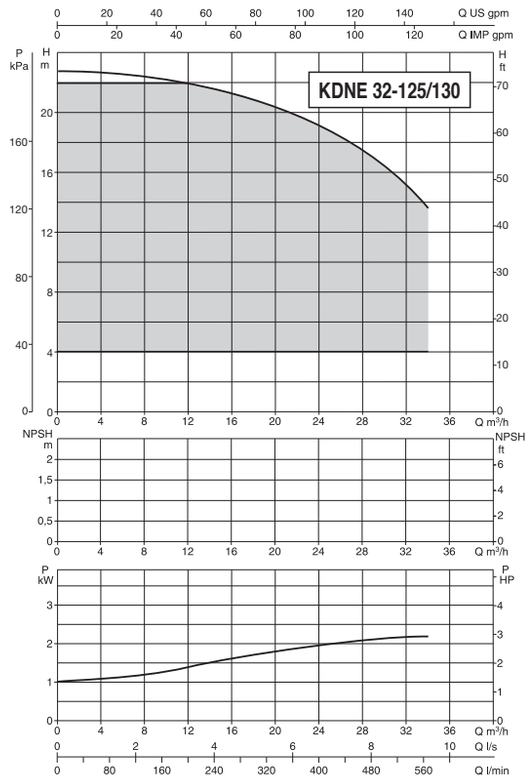
≅ 2900 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

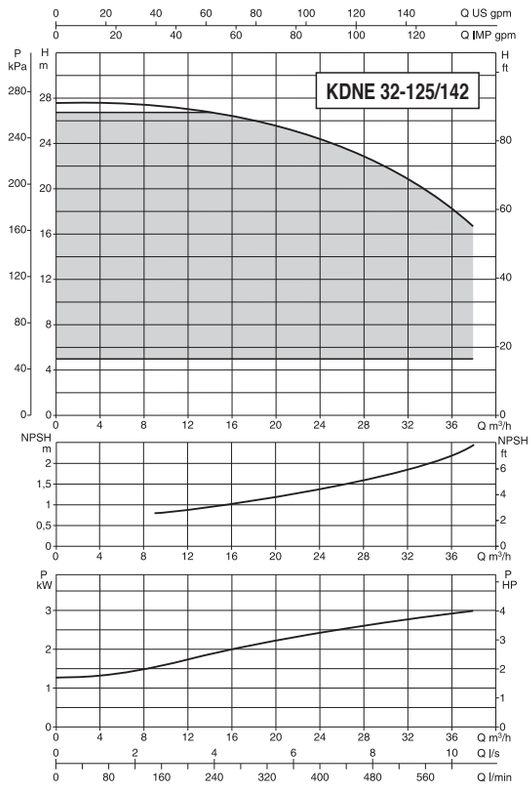
KDNE 32-125/130

≅ 2900 1/min



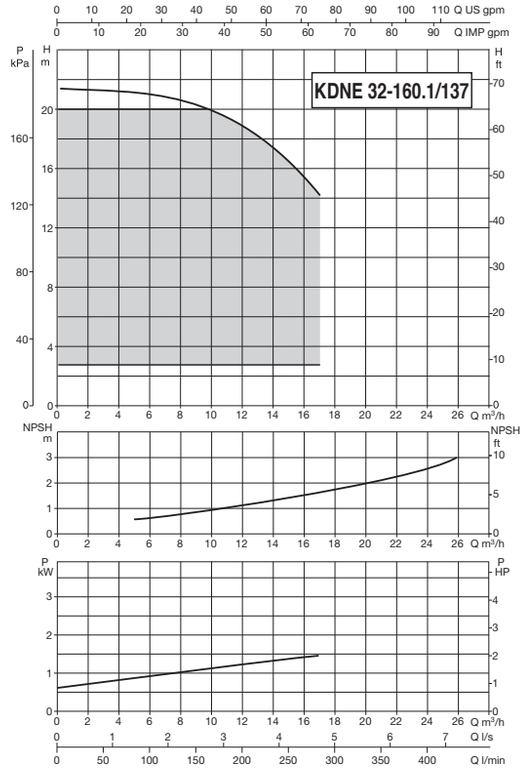
KDNE 32-125/142

≅ 2900 1/min



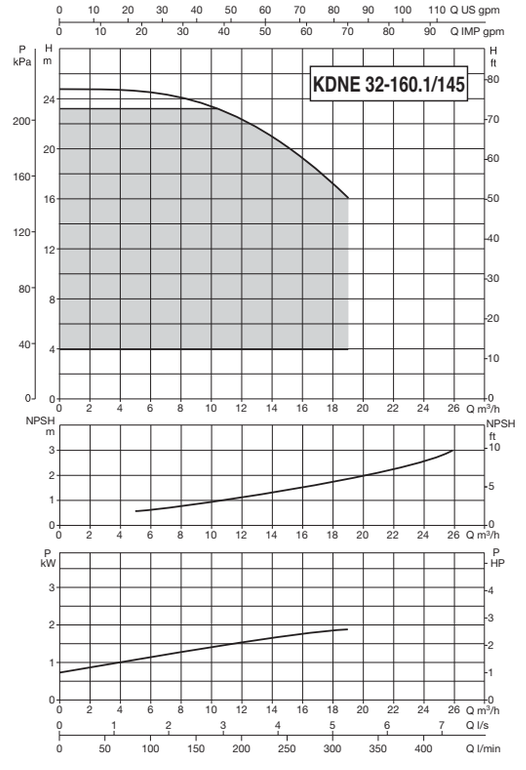
KDNE 32-160.1/137

≅ 2900 1/min



KDNE 32-160.1/145

≅ 2900 1/min

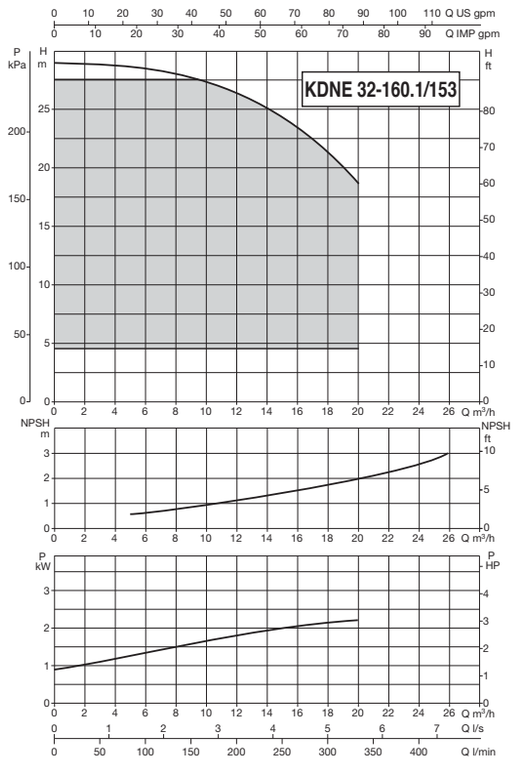


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

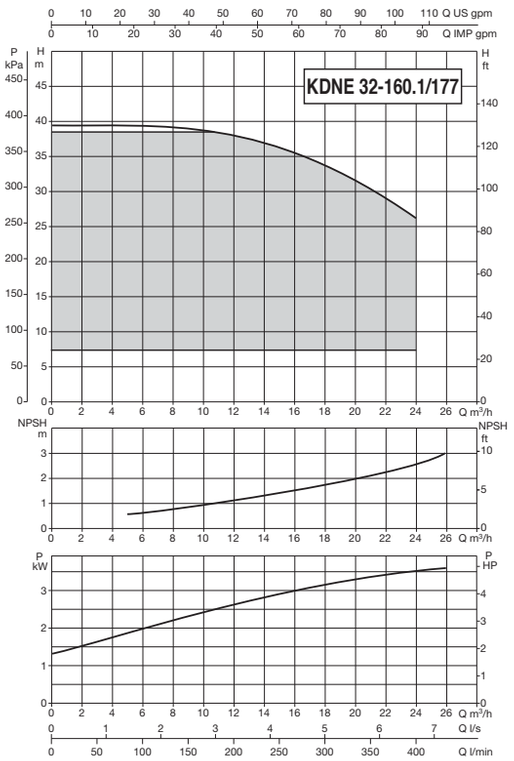
KDNE 2 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

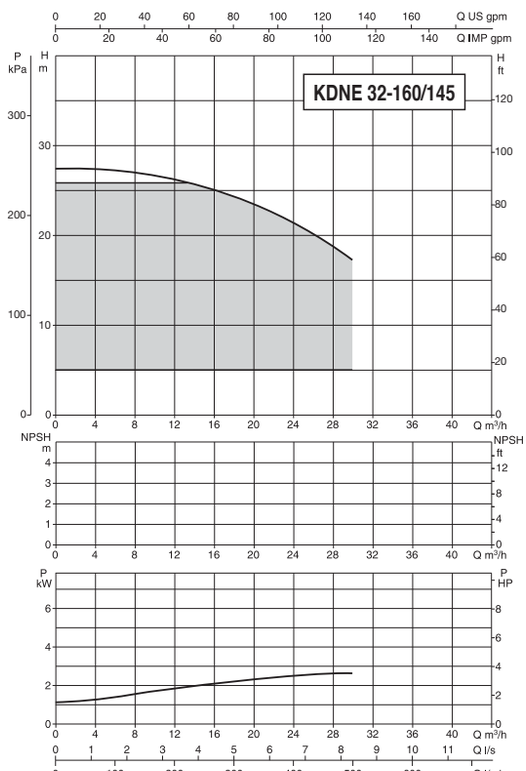
KDNE 32-160.1/153 ≅ 2900 1/min



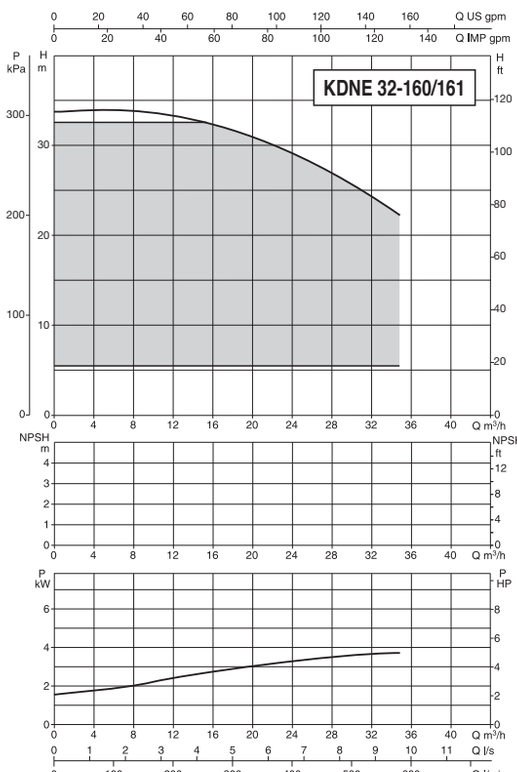
KDNE 32-160.1/177 ≅ 2900 1/min



KDNE 32-160/145 ≅ 2900 1/min



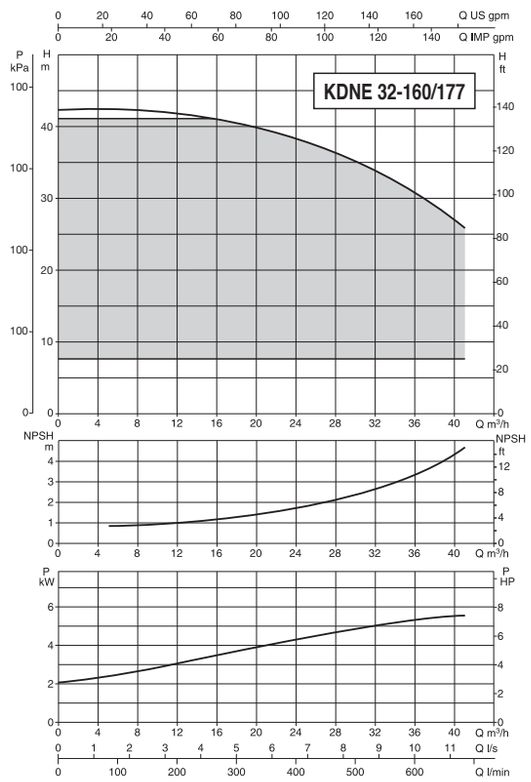
KDNE 32-160/161 ≅ 2900 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

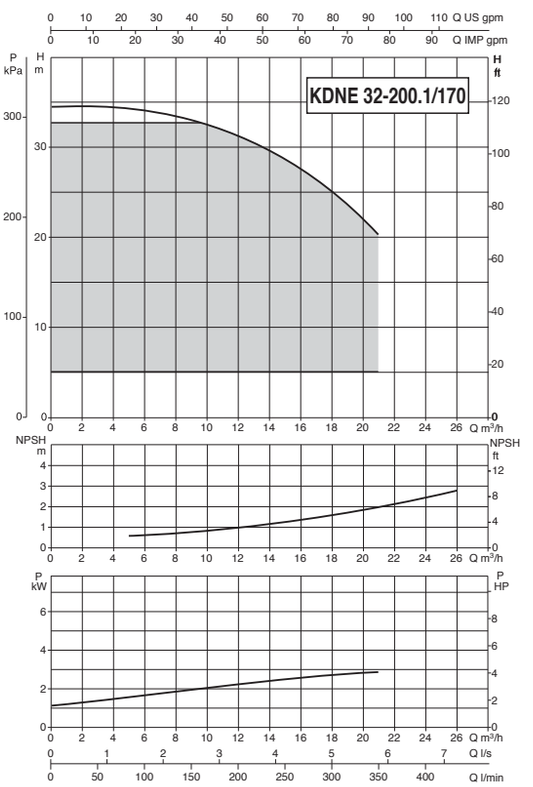
KDNE 32-160/177

≅ 2900 1/min



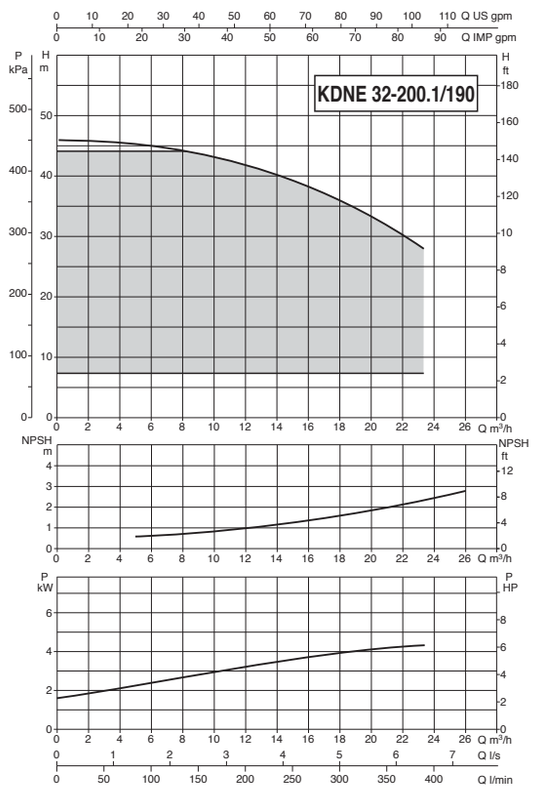
KDNE 32-200.1/170

≅ 2900 1/min



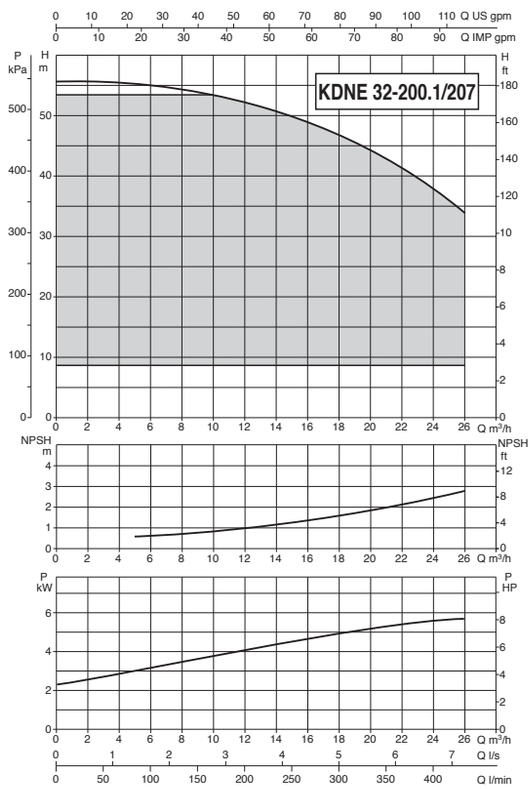
KDNE 32-200.1/190

≅ 2900 1/min



KDNE 32-200.1/207

≅ 2900 1/min

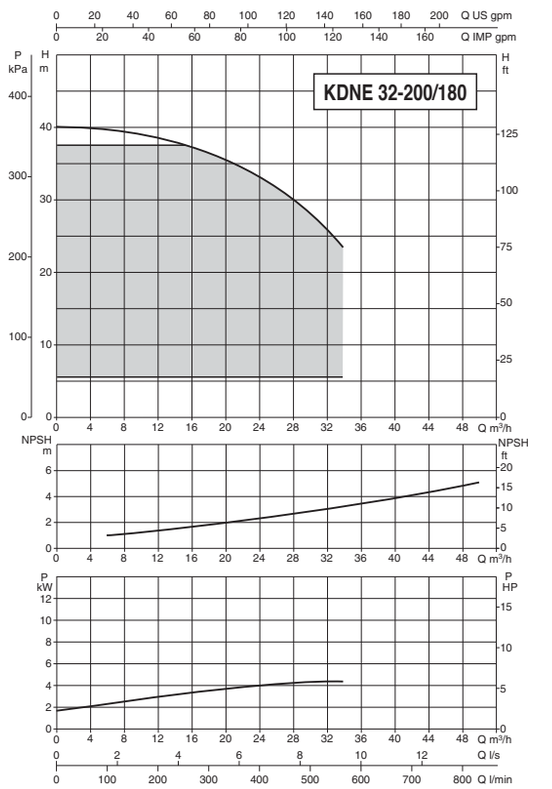


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

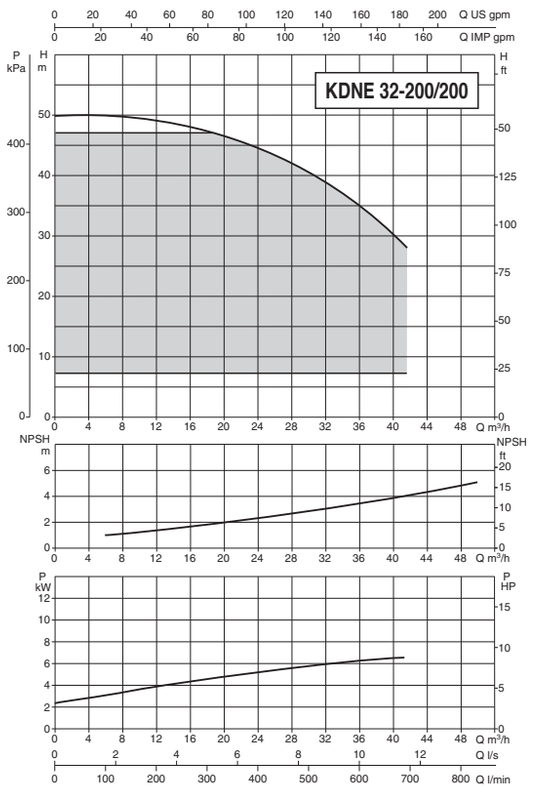
KDNE 2 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

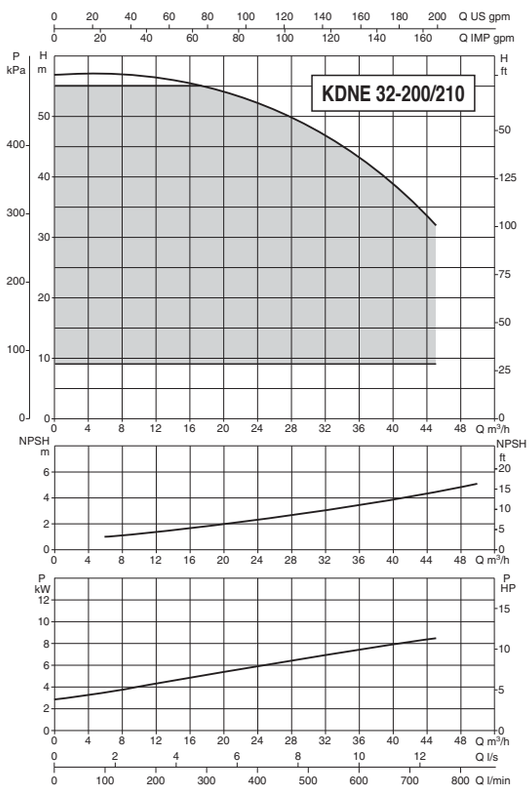
KDNE 32-200/180 ≅ 2900 1/min



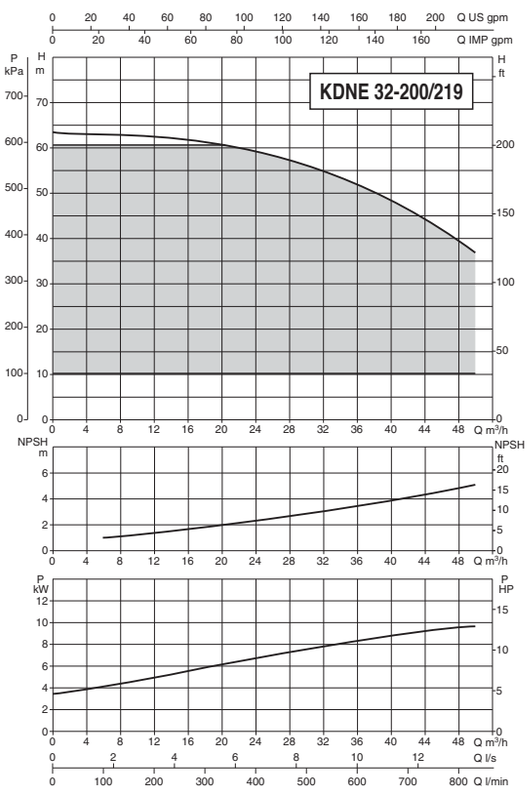
KDNE 32-200/200 ≅ 2900 1/min



KDNE 32-200/210 ≅ 2900 1/min



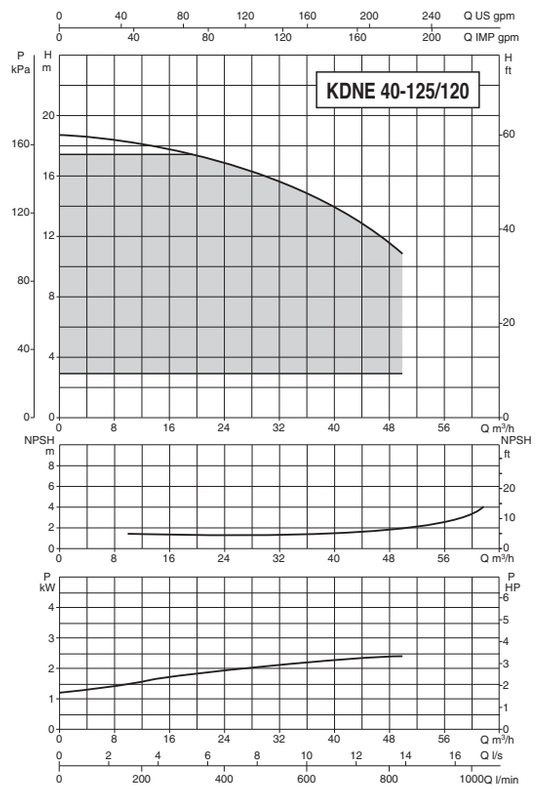
KDNE 32-200/219 ≅ 2900 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

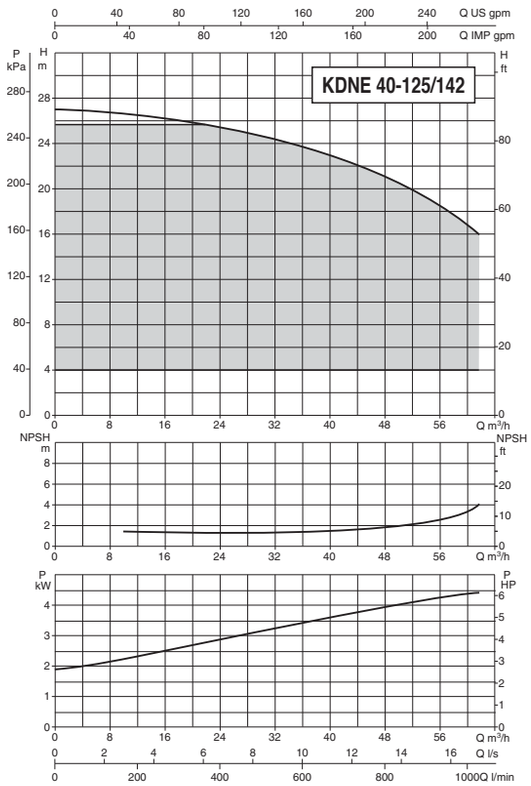
KDNE 40-125/120

≅ 2900 1/min



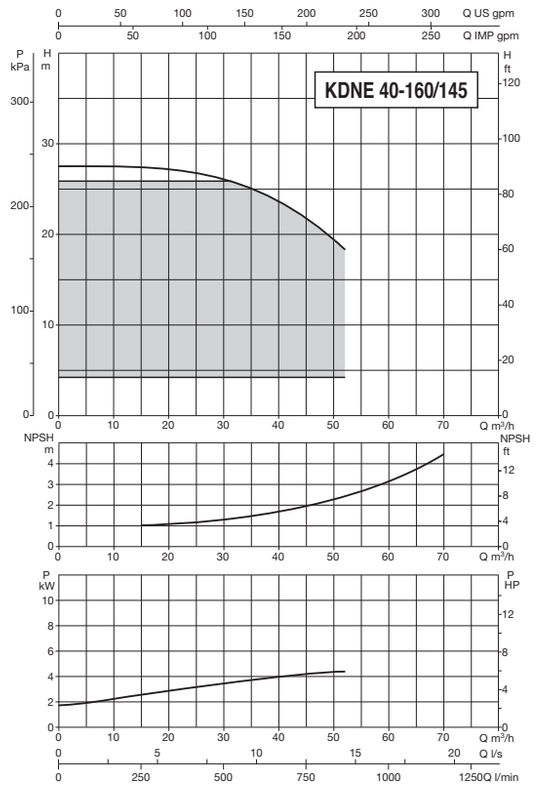
KDNE 40-125/142

≅ 2900 1/min



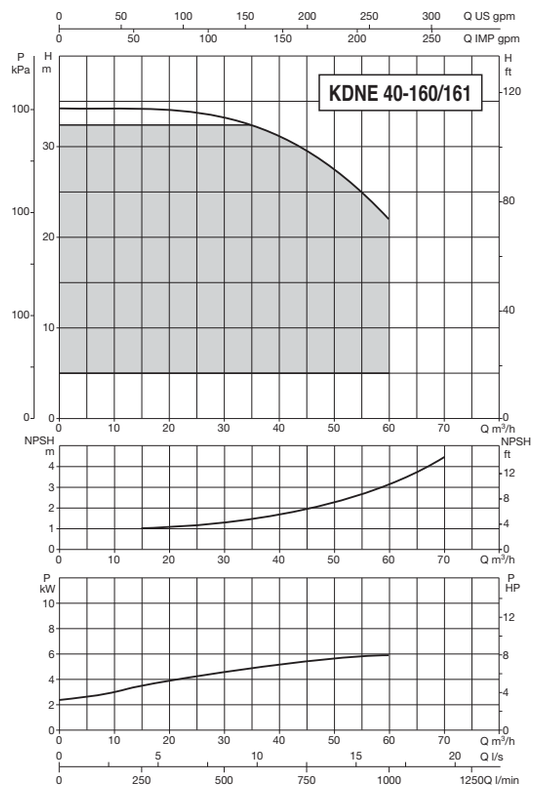
KDNE 40-160/145

≅ 2900 1/min



KDNE 40-160/161

≅ 2900 1/min

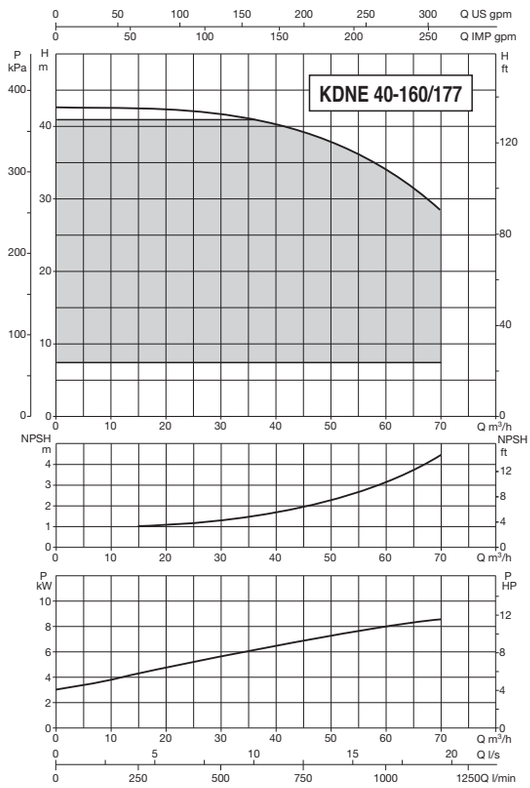


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 2 POLES

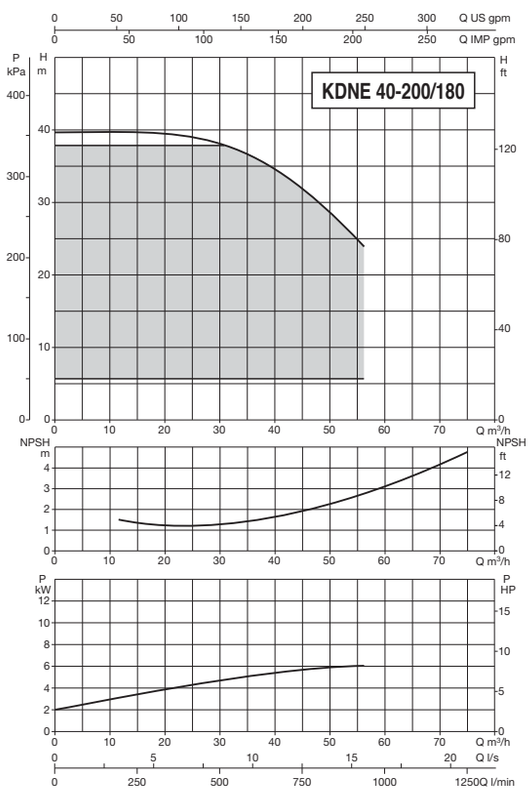
ELECTRONIC CENTRIFUGAL PUMPS ON SKID

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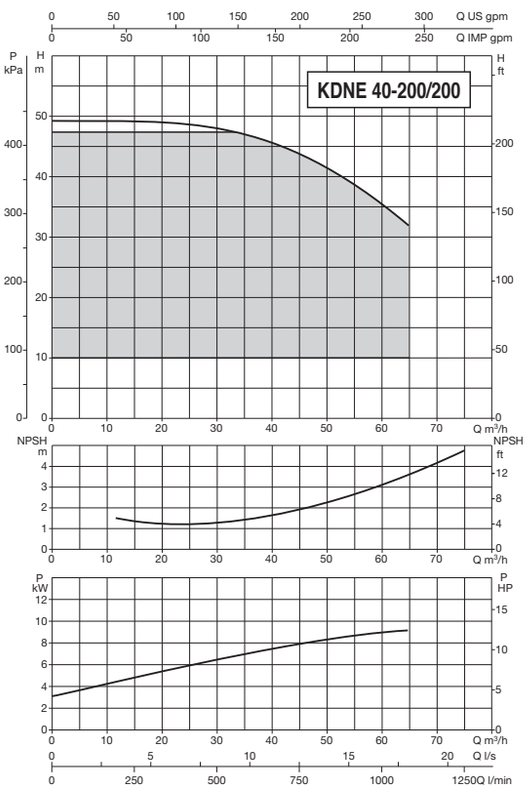
KDNE 40-200/180

≅ 2900 1/min



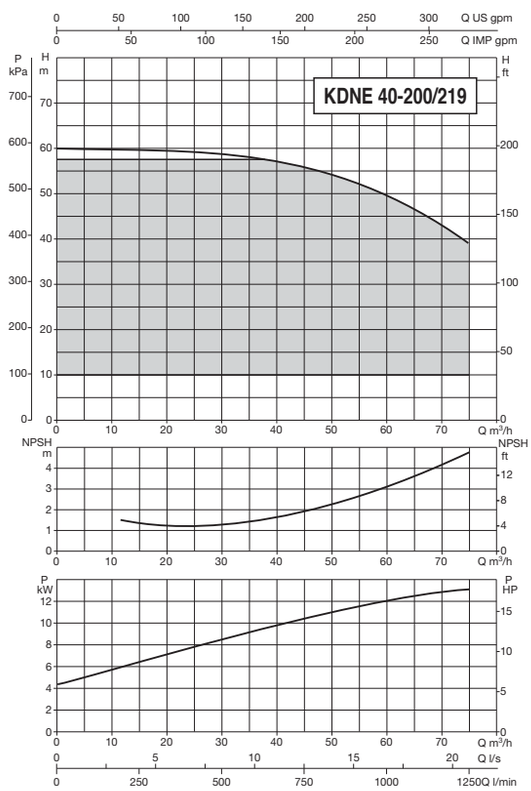
KDNE 40-200/200

≅ 2900 1/min



KDNE 40-200/219

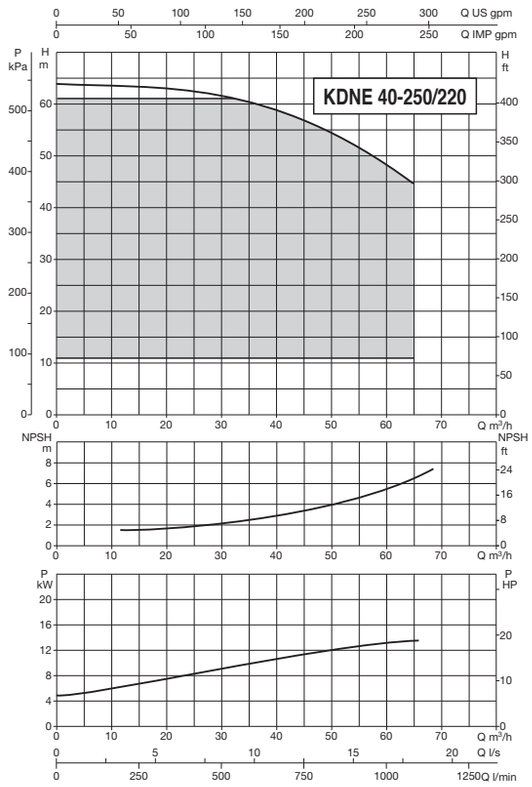
≅ 2900 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

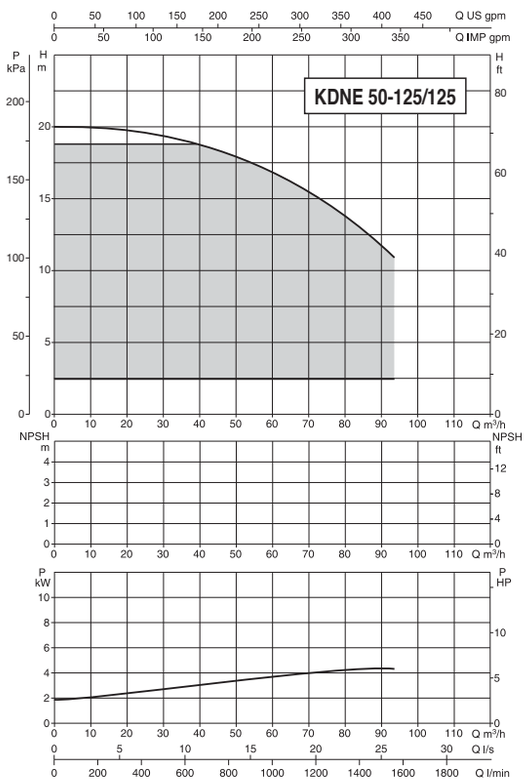
KDNE 40-250/220

≅ 2900 1/min



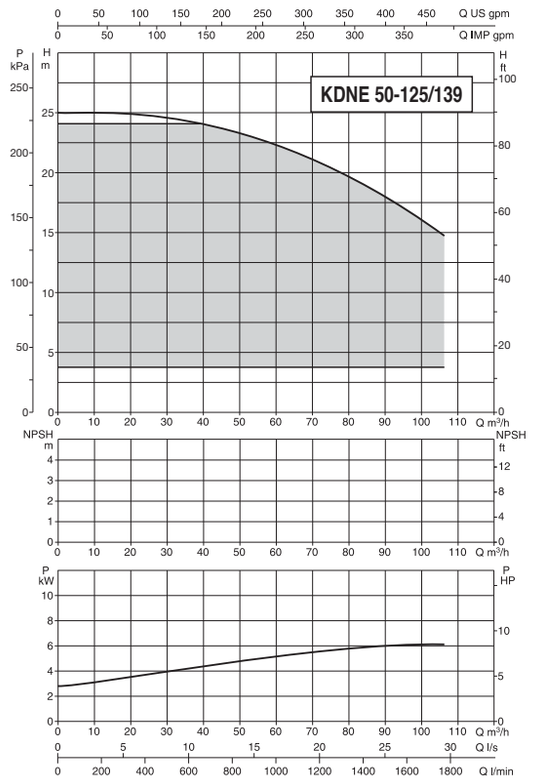
KDNE 50-125/125

≅ 2900 1/min



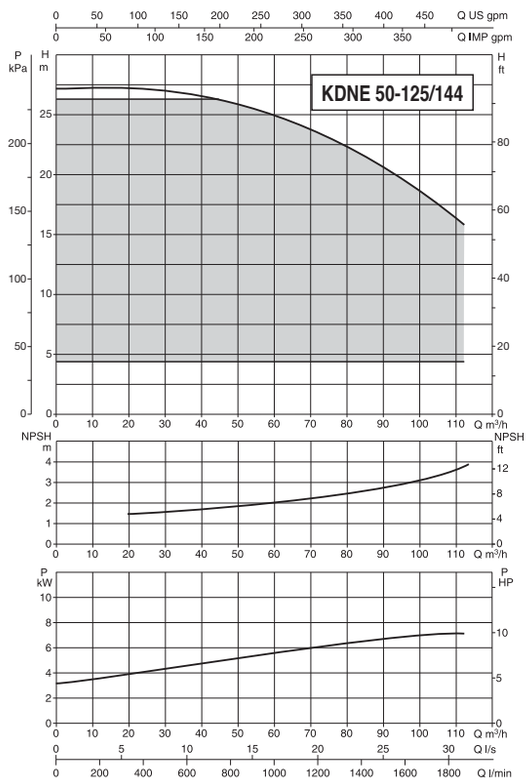
KDNE 50-125/139

≅ 2900 1/min



KDNE 50-125/144

≅ 2900 1/min

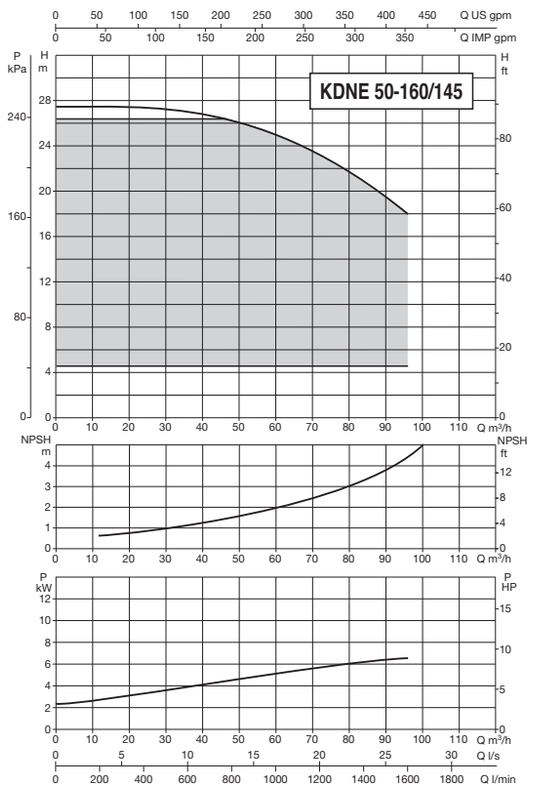


The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

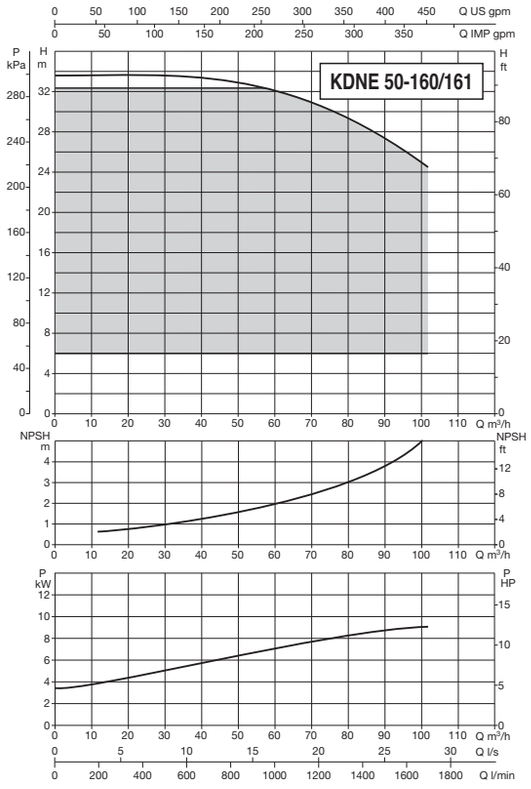
KDNE 2 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

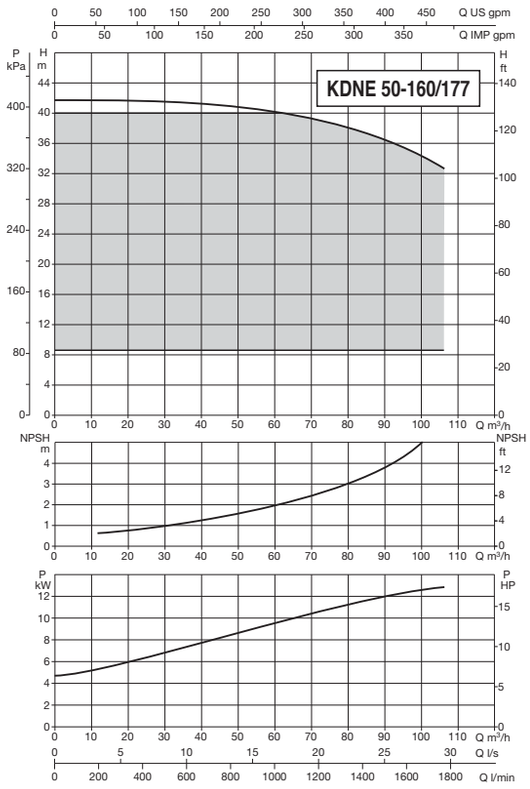
KDNE 50-160/145 ≅ 2900 1/min



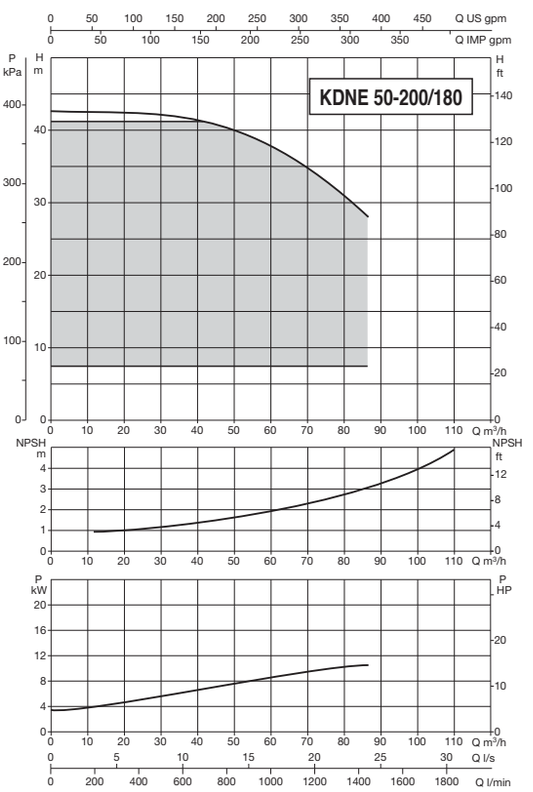
KDNE 50-160/161 ≅ 2900 1/min



KDNE 50-160/177 ≅ 2900 1/min



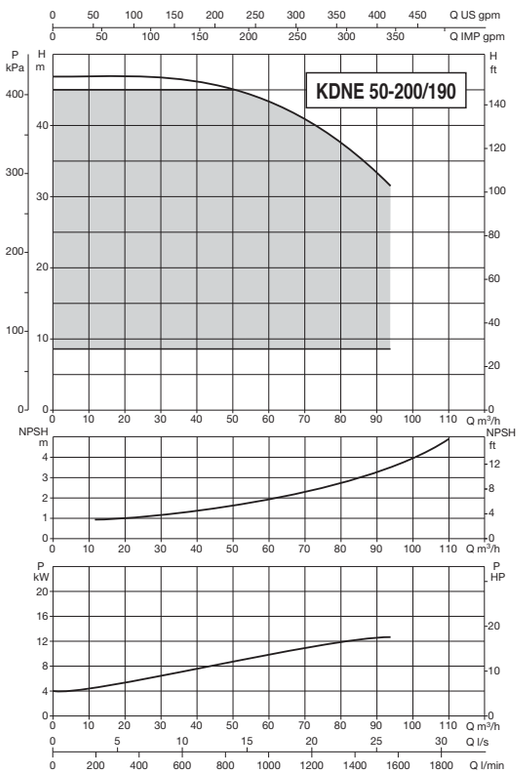
KDNE 50-200/180 ≅ 2900 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

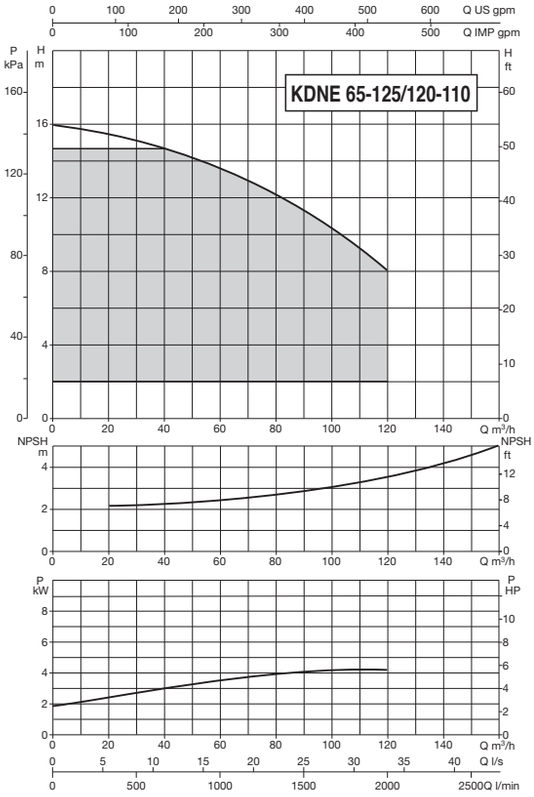
KDNE 50-200/190

≅ 2900 1/min



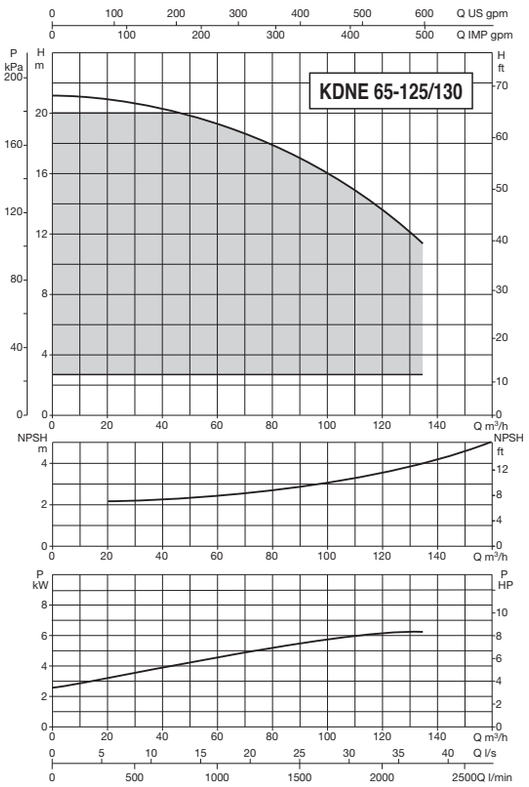
KDNE 65-125/120-110

≅ 2900 1/min



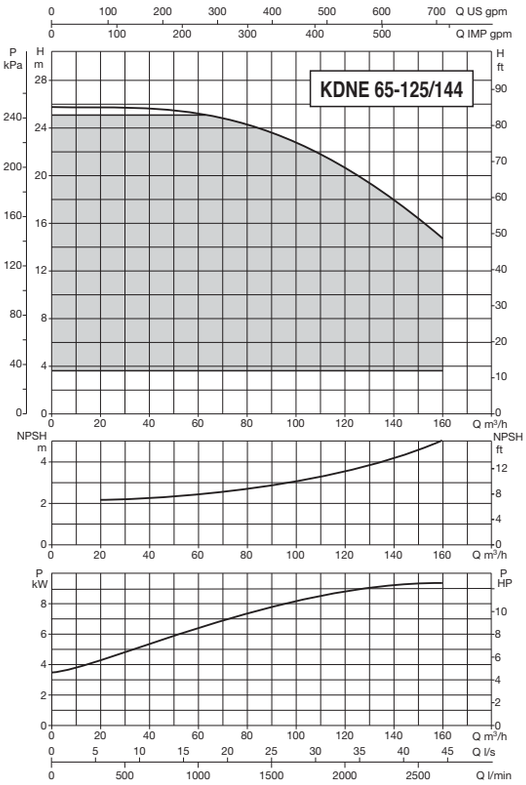
KDNE 65-125/130

≅ 2900 1/min



KDNE 65-125/144

≅ 2900 1/min



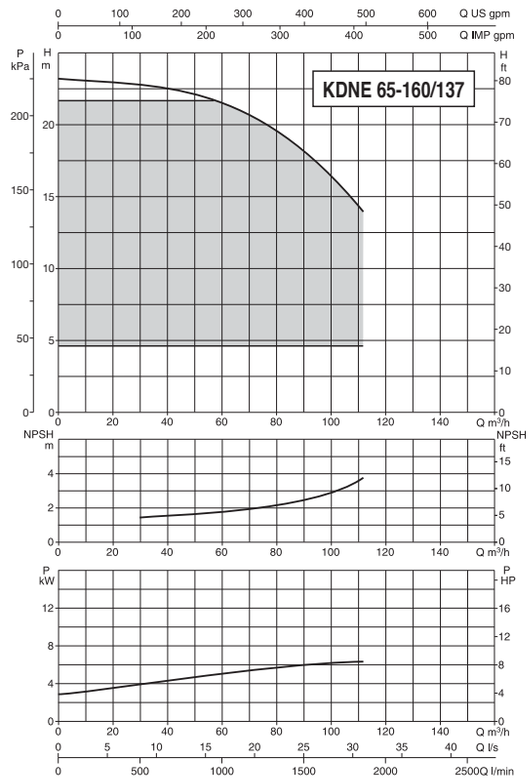
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 2 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

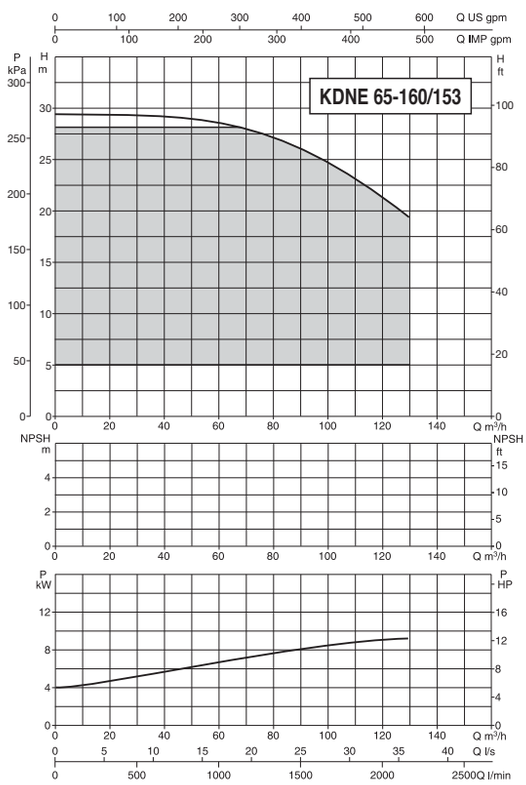
KDNE 65-160/137

≅ 2900 1/min



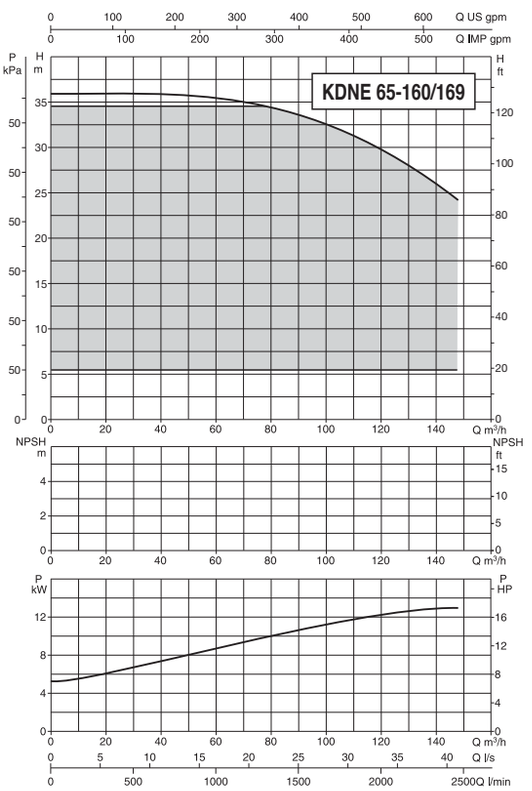
KDNE 65-160/153

≅ 2900 1/min



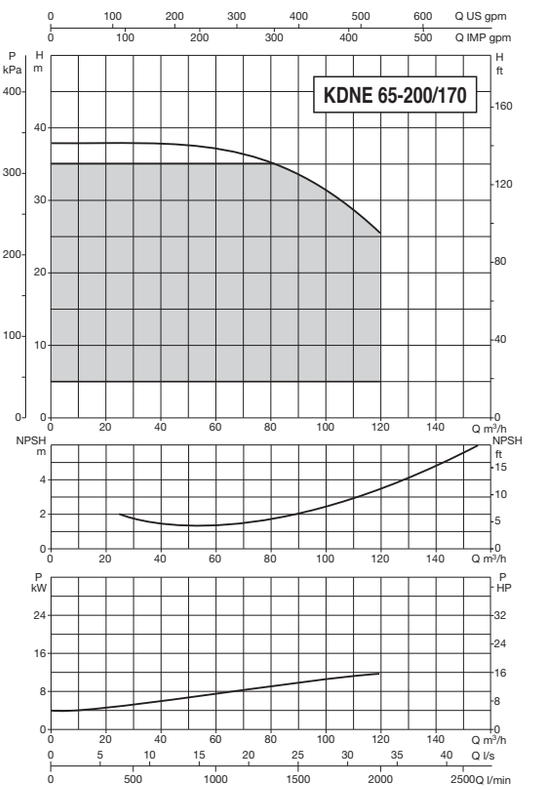
KDNE 65-160/169

≅ 2900 1/min



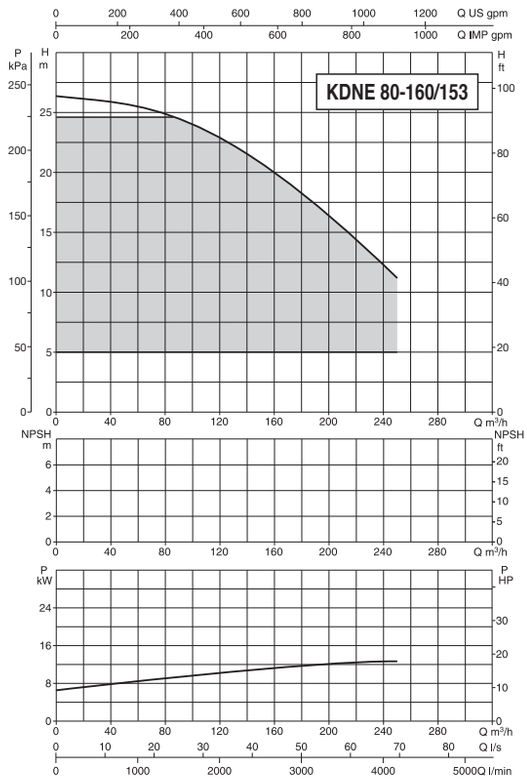
KDNE 65-200/170

≅ 2900 1/min



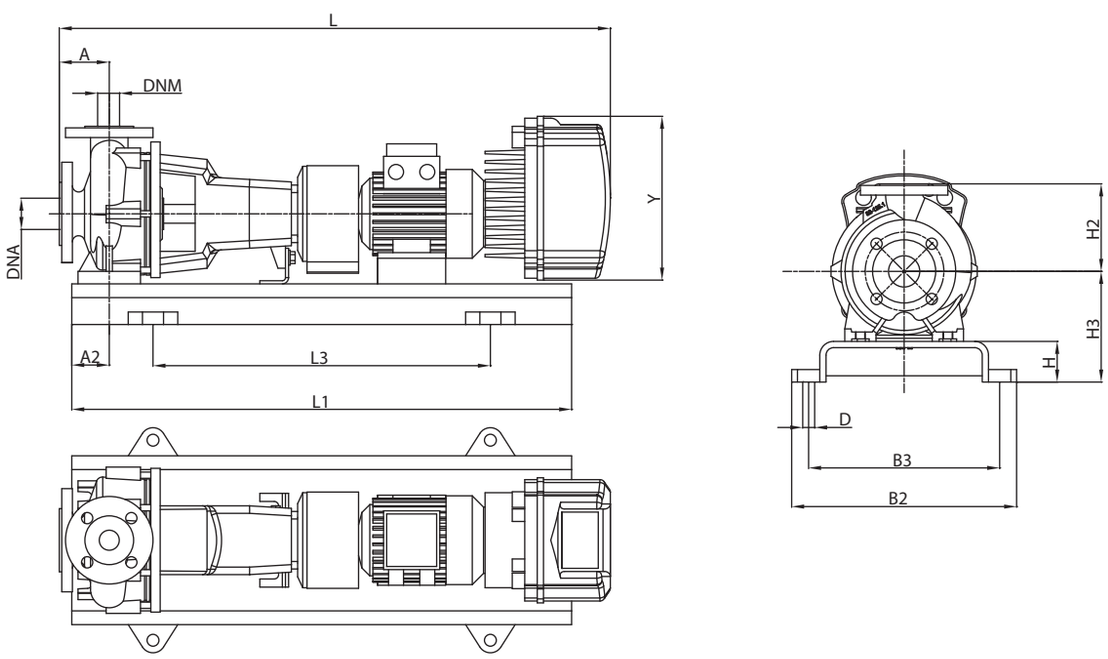
The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

KDNE 80-160/153 ≅ 2900 1/min



The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

DIMENSIONS



KDNE 2 POLES

ELECTRONIC CENTRIFUGAL PUMPS ON SKID

MODEL	A	A2	H2	H	H3	L1	L3	B2	B3	D	Y	FLANGE DIMENSIONS		STANDARD COUPLING		SPACER COUPLING	
												DNA	DNM	L	WEIGHT [Kg]	L	WEIGHT [Kg]
KDNE 32-125.1/110/A/BAQE/1/1,5/2 M MCE15/C	80	60	140	65	177	800	540	360	320		262	50	32	989	97	1089	102
KDNE 32-125.1/130/A/BAQE/1/2.2/2 M MCE22/C	80	60	140	65	177	900	600	390	350		262	50	32	989	104	1089	109
KDNE 32-125.1/140/A/BAQE/1/3/2 T MCE30/C	80	60	140	65	177	900	600	390	350		353	50	32	1026	111	1126	116
KDNE 32-125/125/A/BAQE/1/2,2/2 M MCE22/C	80	60	140	65	177	900	600	390	350	19	262	50	32	989	97	1089	102
KDNE 32-125/130/A/BAQE/1/3/2 T MCE30/C	80	60	140	65	177	900	600	390	350	19	353	50	32	1026	105	1126	110
KDNE 32-125/142/A/BAQE/1/4/2 T MCE55/C	80	60	140	65	177	900	600	390	350	19	353	50	32	1046	126	1146	131
KDNE 32-160.1/137/A/BAQE/1/1,5/2 M MCE15/C	80	60	160	65	197	800	540	360	320	19	262	50	32	989	98	1089	103
KDNE 32-160.1/145/A/BAQE/1/2,2/2 M MCE22/C	80	60	160	65	197	900	600	390	350	19	262	50	32	989	106	1089	111
KDNE 32-160.1/153/A/BAQE/1/3/2 T MCE30/C	80	60	160	65	197	900	600	390	350	19	353	50	32	1026	111	1126	116
KDNE 32-160.1/177/A/BAQE/1/5,5/2 T MCE55/C	80	60	160	80	212	1000	660	450	400	24	353	50	32	1159	145	1259	150
KDNE 32-160/145/A/BAQE/1/3/2 T MCE30/C	80	60	160	65	197	900	600	390	350	19	353	50	32	1026	111	1126	116
KDNE 32-160/161/A/BAQE/1/5,5/2 T MCE55/C	80	60	160	80	212	1000	660	450	400	24	353	50	32	1159	145	1259	150
KDNE 32-160/177/A/BAQE/1/7,5/2 T MCE110/C	80	60	160	80	212	1000	660	450	400	24	426	50	32	1209	152	1309	157
KDNE 32-200.1/170/A/BAQE/1/3/2 T MCE30/C	80	60	180	65	225	900	600	390	350	19	353	50	32	1026	149	1126	154
KDNE 32-200.1/190/A/BAQE/1/5,5/2 T MCE55/C	80	60	180	80	240	1000	660	450	400	24	353	50	32	1159	152	1259	157
KDNE 32-200.1/207/A/BAQE/1/7,5/2 T MCE110/C	80	60	180	80	240	1000	660	450	400	24	426	50	32	1209	179	1309	184
KDNE 32-200/180/A/BAQE/1/5,5/2 T MCE55/C	80	60	180	80	240	1000	660	450	400	24	353	50	32	1159	152	1259	157
KDNE 32-200/200/A/BAQE/1/7,5/2 T MCE110/C	80	60	180	80	240	1000	660	450	400	24	426	50	32	1209	190	1309	195
KDNE 32-200/210/A/BAQE/1/11/2 T MCE110/C	80	60	180	80	240	1120	740	490	440	24	426	50	32	1319	250	1419	255
KDNE 32-200/219/A/BAQE/1/15/2 T MCE150/C	80	60	180	80	240	1120	740	490	440	24	426	50	32	1319	261	1419	266
KDNE 40-125/120/A/BAQE/1/3/2 T MCE30/C	80	60	140	65	177	900	600	390	350	19	353	65	40	1026	100	1126	105
KDNE 40-125/142/A/BAQE/1/5,5/2 T MCE55/C	80	60	140	80	212	1000	660	450	400	24	353	65	40	1159	143	1259	148
KDNE 40-160/145/A/BAQE/1/5,5/2 T MCE55/C	80	60	160	80	212	1000	660	450	400	24	353	65	40	1159	169	1259	174
KDNE 40-160/161/A/BAQE/1/7,5/2 T MCE110/C	80	60	160	80	212	1000	660	450	400	24	426	65	40	1209	178	1309	183
KDNE 40-160/177/A/BAQE/1/11/2 T MCE110/C	80	60	160	80	240	1120	740	490	440	24	426	65	40	1319	186	1419	191
KDNE 40-200/180/A/BAQE/1/7,5/2 T MCE110/C	100	60	180	80	240	1000	660	450	400	24	426	65	40	1229	160	1329	165
KDNE 40-200/200/A/BAQE/1/11/2 T MCE110/C	100	60	180	80	240	1120	740	490	440	24	426	65	40	1339	234	1439	239
KDNE 40-200/219/A/BAQE/1/15/2 T MCE150/C	100	60	180	80	240	1120	740	490	440	24	426	65	40	1339	244	1439	249
KDNE 40-250/220/A/BAQE/1/15/2 T MCE150/C	100	75	225	80	260	1250	840	540	490		426	65	40	1339	291	1439	296
KDNE 50-125/125/A/BAQE/1/5,5/2 T MCE55/C	100	60	160	80	212	1000	660	450	400	24	353	65	40	1179	152	1279	157
KDNE 50-125/139/A/BAQE/1/7,5/2 T MCE110/C	100	60	160	80	212	1000	660	450	400	24	426	65	40	1229	156	1329	161
KDNE 50-125/144/A/BAQE/1/11/2 T MCE110/C	100	60	160	80	240	1120	740	490	400	24	426	65	50	1339	156	1439	161
KDNE 50-160/145/A/BAQE/1/7,5/2 T MCE110/C	100	60	180	80	240	1000	660	450	400	24	426	65	50	1229	190	1329	195
KDNE 50-160/161/A/BAQE/1/11/2 T MCE110/C	100	60	180	80	240	1120	740	490	440	24	426	65	50	1339	201	1439	206
KDNE 50-160/177/BAQE/1/15/2 T MCE150/C	100	60	180	80	240	1120	740	490	440	24	426	65	50	1339	213	1439	218
KDNE 50-200/180/A/BAQE/1/11/2 T MCE110/C	100	60	200	80	240	1120	740	490	440	24	426	65	50	1339	199	1439	204
KDNE 50-200/190/A/BAQE/1/15/2 T MCE150/C	100	60	200	80	240	1120	740	490	440	24	426	65	50	1339	293	1439	298
KDNE 65-125/120-110/A/BAQE/1/5,5/2 T MCE55/C	100	60	180	80	240	1000	660	450	400	24	353	80	65	1179	152	1279	157
KDNE 65-125/130/A/BAQE/1/7,5/2 T MCE110/C	100	60	180	80	240	1000	660	450	400	24	426	80	65	1229	159	1329	164
KDNE 65-125/144/A/BAQE/1/11/2 T MCE110/C	100	60	180	80	240	1120	740	490	440	24	426	80	65	1339	188	1439	193
KDNE 65-160/137/A/BAQE/1/7,5/2 T MCE110/C	100	60	200	80	240	1000	660	450	400	24	426	80	65	1229	186	1329	191
KDNE 65-160/153/A/BAQE/1/11/2 T MCE110/C	100	60	200	80	240	1120	740	490	440	24	426	80	65	1339	196	1439	201
KDNE 65-160/169/A/BAQE/1/15/2 T MCE150/C	100	60	200	80	240	1120	740	490	440	24	426	80	65	1339	233	1439	238
KDNE 65-200/170/A/BAQE/1/15/2 T MCE150/C	100	75	225	80	260	1250	840	540	490		426	80	65	1339	292	1439	297
KDNE 80-160/153-136/A/BAQE/1/15/2 T MCE150/C	100	75	225	80	260	1250	840	540	490		426	80	65	1364	311	1464	316

KCE - KCVE
ELECTRONIC CENTRIFUGAL PUMPS



CONDITIONING, IRRIGATION, WATER TRANSFER

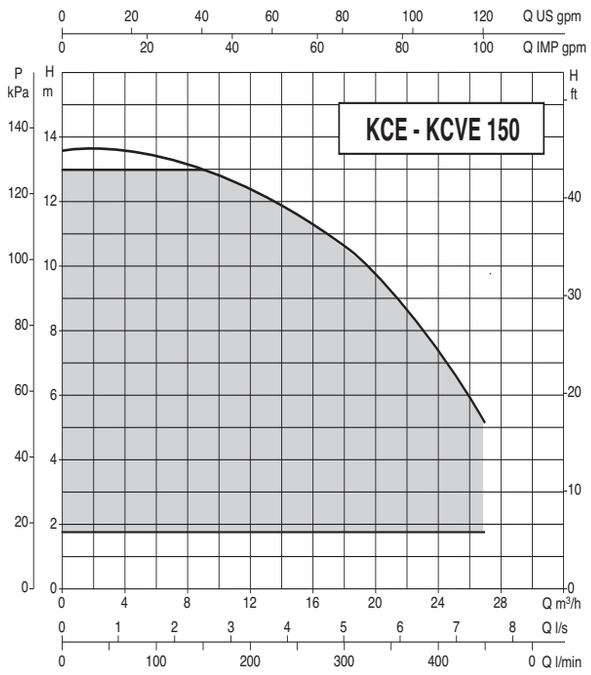
Pumping of water or other liquids that are non aggressive, non explosive and free of solid or fibre particles.
Specially suitable for pumping of glycol water mix for air conditioning systems.
VERSATILE: thanks to the use of the MCE 22/C inverter, performance is such as to allow automatic adaptation to meet the various system requirements, while maintaining constant differential pressure; also, thanks to the top quality construction materials and generously sized motors, the series KCE and KCVE can be used with a glycol percentage of 40% in the pumped liquid.
RELIABLE: all components have been sized to guarantee a lifetime of at least 50,000 operating hours (with the exception of the bearings and mechanical seals, guaranteed by the manufacturer for an average lifetime of 25,000 operating hours in heavy-duty operating conditions)
RUST-PROOF: all components in contact with the liquid are constructed in thermoplastic material (polypropylene or reinforced noryl) and the pump shaft in stainless steel (AISI 304).
FLEXIBLE: possibility of rotating the pump body through steps of 90° to increase flexibility of installation. Hydraulic assembly (pump, body, seal support flange, impeller, diffuser) in fibre glass reinforced technopolymer, extension of shaft in contact with liquid in AISI 304 stainless steel.
Mechanical seal in silicon carbide/graphite, O-rings in EPDM. Asynchronous motor, continuous duty with external ventilation (S1), 2-pole.
Watertight ball bearings, resistant to water and humidity.
Motor construction according to EN 60335-2-41 standards.
Operating range: from 3 to 45 m^3/h.
Maximum head: 24 m.
Liquid temperature range: from -10 to +55°C.
Pumpedliquid:clean,freeofsolidorabrasivesubstances, chemically neutral, close to the characteristics of water.
Max. ambient temperature: +40°C.
Maximum glycol percentage: up to 40%.
Maximum operating pressure: 6.5 bar.
Motor protection rating: IP 55.
Insulation class: F (copper wire to insulation class H).
Voltage as standard: single phase 1x220-240 V / 50-60 Hz.
Special version available on request: three-phase 3x400 V / 50 Hz or three-phase 3x460 V / 60 Hz.

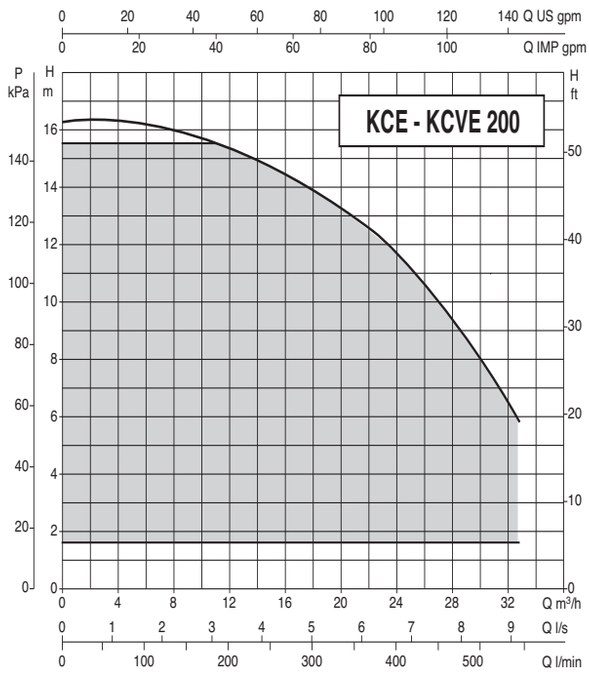
TECHNICAL DATA

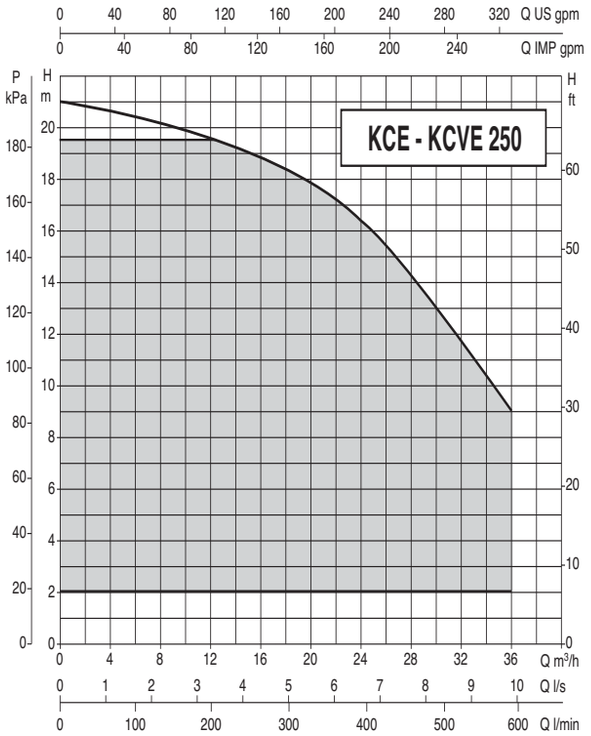
MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 Hz	P1 MAX kW	P2 (W)	In A	PUMP CONFIGURATION
KCE 150 M MCE11/C*	**60143338**	1x220-240 V~	1,19	1,00	9,54	230D
KCE 200 M MCE15/C*	**60143339**	1x220-240 V~	1,19	1,00	9,54	230D
KCE 250 M MCE22/C*	**60143340**	1x220-240 V~	1,71	1,70	12,87	230D
KCE 300 M MCE22/C*	**60143341**	1x220-240 V~	1,71	1,70	12,87	230D
KCVE 150 M MCE11/C*	**60143342**	1x220-240 V~	2,67	2,50	19,01	230D
KCVE 200 M MCE15/C*	**60143343**	1x220-240 V~	2,67	2,50	19,01	230D
KCVE 250 M MCE22/C*	**60143344**	1x220-240 V~	3,45	3	7,7	230D
KCVE 300 M MCE22/C*	**60143345**	1x220-240 V~	3,45	3	7,7	230D

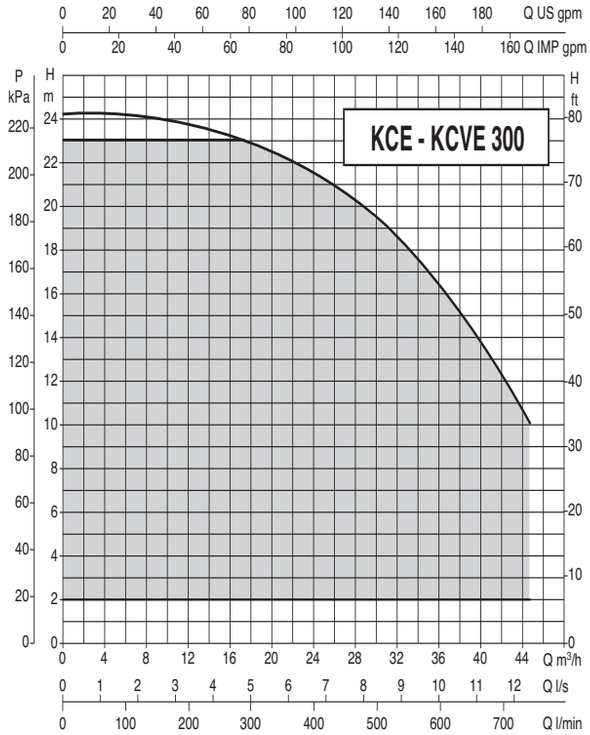
*Three-phase versions available on request.

KCE - KCVE
ELECTRONIC CENTRIFUGAL PUMPS



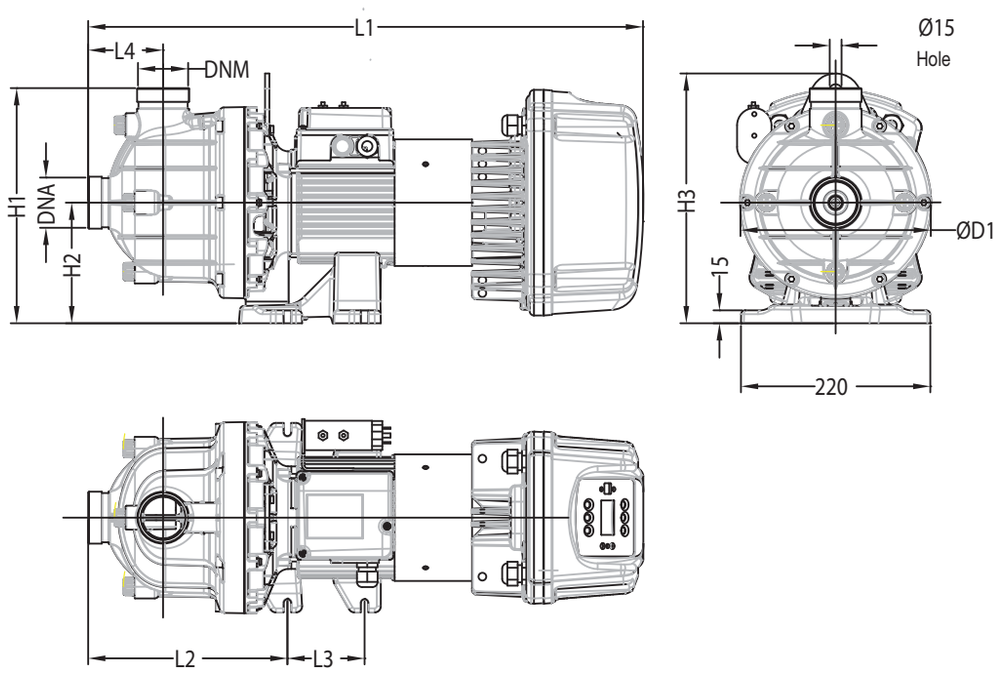






The performance curves are based on the kinematic viscosity values = 1 mm2/s and density equal to 1000 kg/m3. Curve tolerance according to ISO 9906.

DIMENSIONS AND WEIGHTS



MODEL	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	D1 [mm]	DNA	DNM	WEIGHT KG
KCE 150 M MCE22/C	639	231	90	87	273	140	290	222	2" m gas	2" m gas	19
KCVE 150 M MCE22/C	639	231	90	87	273	140	290	222	2" Victaulic	2" Victaulic	19
KCE 200 M MCE22/C	639	231	74	87	273	140	290	222	2" m gas	2" m gas	21
KCVE 200 M MCE22/C	639	231	74	87	273	140	290	222	2" Victaulic	2" Victaulic	21
KCE 250 M MCE22/C	713	231	74	87	273	140	290	222	2" m gas	2" m gas	23
KCVE 250 M MCE22/C	713	231	74	87	273	140	290	222	2" Victaulic	2" Victaulic	23
KCE 300 M MCE22/C	763	282	177	114	355	170	320	300	2" m gas	2" m gas	28
KCVE 300 M MCE22/C	763	282	177	114	355	170	320	300	2" Victaulic	2" Victaulic	28

DAB PUMPS reserves the right to make modifications without notice

STANDARDISED ENBLOC CENTRIFUGAL PUMPS - NKM-G

PERFORMANCE RANGE

4 POLES ≅ 1450 1/min

MODEL	P2 NOMINAL		Q m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	550	6000	3500	7000
NKM-G 32-125.1/140/0.25/4	0.25	0.33		6.2	5.8	4.2																									
NKM-G 32-125/142/ 0.37/4	0.37	0.5		7	6.75	5.85	4.2																								
NKM-G 32-160.1 169/0.37/4	0.37	0.5		8.9	8.2	4.6																									
NKM-G 32-160/169/0,55/4	0.55	0.75		9.4	9	7.9	5.6																								
NKM-G 32-200.1 200/0,55/4	0.55	0.75		12.7	11.2	7.2																									
NKM-G 32-200/200/ 0,75/4	0.75	1		13	12.5	11.1	8.45																								
NKM-G 32-200/219/ 1,1 /4	1.1	1.5		16	15.4	14.3	12.2																								
NKM-G 40-125/115/ 0.25/4	0.25	0.33		4.2	4.1	3.7	3	2.1																							
NKM-G 40-125/130/ 0.37/4	0.37	0.5		5.4	5.3	5.	4.4	3.5																							
NKM-G 40-125/142/ 0.55/4	0.55	0.75		6.6	6.5	6.2	5.7	4.8																							
NKM-G 40-160/153/ 0.55/4	0.55	0.75		7.6	7.6	7.5	6.7	5.5																							
NKM-G 40-160/166/ 0.75/4	0.75	1		9.2	9.2	9	8.4	7.4	5.7																						
NKM-G 40-200/200/ 1,1 /4	1.1	1.5		12.5	12.5	12.3	11.2	9.7	7.7																						
NKM-G 40-200/219/ 1,5 /4	1.5	2		15.6	15.6	15.3	14.7	13.4	11.8	9.8																					
NKM-G 40-250/245/ 2,2 /4	2.2	3		20.6	20.5	20.1	19.2	17.8	16																						
NKM-G 40-250/260/ 3 /4	3	4		23.3	23.1	22.8	22.2	20.8	19																						
NKM-G 50-125/130/ 0.55/4	0.55	0.75		5.5		5.2	5	4.7	4.3	3.9	3.3	2.6																			
NKM-G 50-125/141/ 0.75/4	0.75	1		6.5		6.3	6.1	5.8	5.5	5	4.5	3.9																			
NKM-G 50-160/161/ 1.1 /4	1.1	1.5		8.6		8.6	8.5	8.2	7.8	7.3	6.7	5.7																			
NKM-G 50-160/177/ 1,5 /4	1.5	2		10.7		10.7	10.7	10.5	10.2	9.8	9.2	8.3																			
NKM-G 50-200/210/ 2,2 /4	2.2	3		15.3		15.3	15.2	14.8	14	13.3	12.1	10.8	9.4																		
NKM-G 50-200/219/ 3 /4	3	4		16.8		16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9																		
NKM-G 50-250/263/ 4 /4	4	5.5		23.8		23.8	23.8	23.4	22.7	21.6	20.4	19	17.1																		
NKM-G 65-125/130/ 0.75/4	0.75	1		5.1		4.9	4.8	4.75	4.7	4.4	4.2	3.8	3.4	3	2.5																
NKM-G 65-125/144/ 1.1 /4	1.1	1.5		6.5		6.4	6.4	6.3	6.2	6	5.75	5.5	5.1	4.65	4.2	3.75															
NKM-G 65-160/153/ 1,1 /4	1.1	1.5		7.4		7.4	7.3	7.15	6.9	6.65	6.25	5.8	5.3	4.4																	
NKM-G 65-160/165/ 1,5 /4	1.5	2	H (m)	8.9			8.8	8.7	8.6	8.3	8	7.6	7.15	6.6	6																
NKM-G 65-160/177/ 2,2 /4	2.2	3		10.5				10.4	10.3	10.2	9.9	9.6	9.2	8.75	8.2	7.4	6.6														
NKM-G 65-200/210/ 3 /4	3	4		15.3				15.2	15.2	15.1	14.6	14.1	13.5	12.9	12.2	11.3															
NKM-G 65-200/219/ 4 /4	4	5.5		17				17	16.9	16.8	16.4	16.2	15.8	15.2	14.3	13.8	12.6														
NKM-G 65-250/263/ 5,5 /4	5.5	7.5		24.1				23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3														
NKM-G 65-315/279/ 7,5 /4	7.5	10		27							26	25.5	25	24.5	23.6	22.7	21.5	20.2	19												
NKM-G 65-315/309/11 /4	11	15		34.2							33.2	33	32.5	32	31.5	30.7	29.8	29	28	25	21.7										
NKM-G 80-160/153-136/1.5/4	1.5	2		6.5					6.35	6.3	6.2	5.95	5.75	5.55	5.3	5	4.7	4.5	4.25	3.65	3										
NKM-G 80-160/163/ 2,2 /4	2.2	3		8.65					8.5	8.45	8.3	8.15	7.9	7.7	7.4	7.2	6.9	6.65	6.3	5.7	4.9	4.6									
NKM-G 80-160/177/ 3 /4	3	4		10.2					10.2	10.1	10	9.9	9.75	9.65	9.5	9.25	9	8.8	8.6	7.9	7.2	6.7									
NKM-G 80-200/200/ 4 /4	4	5.5		13.2							13.1	13	12.9	12.8	12.7	12.4	12	11.7	11.3	10.4	9.3	8.7									
NKM-G 80-200/222/ 5,5 /4	5.5	7.5		16.6							16.5	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7									
NKM-G 80-250/240/ 7,5 /4	7.5	10		20.4							20.3	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16									
NKM-G 80-250/270/11 /4	11	15		25.6							25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21									
NKM-G 80-315/305/15 /4	15	20		32.9									32.7	32.6	32.6	32.5	32.4	32	31.6	30.5	29.5	28.9	24								
NKM-G 80-315/320/18,5 /4	18.5	25		36.8									36.7	36.7	36.6	36.5	36.5	36.5	36.1	35.5	34.5	34	29.5								
NKM-G 80-315/334/22 /4	22	30		41									40.8	40.8	40.7	40.6	40.6	40.4	40.2	39.8	39	38.5	34.8	29							
NKM-G100-200/200/ 5.5 /4	5.5	7.5		12.7										12.6	12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5							
NKM-G100-200/214/ 7.5 /4	7.5	10		15.6										15.4	15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8						
NKM-G100-250/250/11 /4	11	15		21.1										21	21	21	21	21	21	20.9	20	19.8	18	16							
NKM-G100-250/270/15 /4	15	20		25.5										25.5	25.5	25.5	25.3	25.1	25.1	25	24.5	24	22.5	20.5	17.5						
NKM-G100-315/300/18.5 /4	18.5	25		32														31.5	31.4	31	30.5	28.8	26	23							
NKM-G100-315/316/22 /4	22	30		36														35.5	35.2	35	34.6	33.2	31	28	24						
NKM-G125-250/243/15 /4	15	20		19.5																19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9	
NKM-G125-250/256/18,5 /4	18.5	25		21.9																21.8	21.8	21.7	21.6	21.3	20.5	19.5	18.5	17.2	15.6	14	12	
NKM-G125-250/266/22 /4	22	30		24.6																24.4	24.2	24.1	24	23.5	22.9	22	21	19.8	18.5	16.7	15	
NKM-G150-200/218/11 /4	11	15		13.2																13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7

STANDARDISED ENBLOC CENTRIFUGAL PUMPS - NKP-G

PERFORMANCE RANGE

2 POLES ≅ 2900 1/min

MODEL	P2 NOMINAL		Q m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000
NKP-G 32-125.1/102/0.75/2	0.75	1		13	12.5	11	8																			
NKP-G 32-125.1/115/1.1/2	1.1	1.5		17.2	17	15	12.5																			
NKP-G 32-125.1/125/1.5/2	1.5	2		21	20.8	19	16.8																			
NKP-G 32-125.1/140/2.2/2	2.2	3		27	26.9	25.9	23	19.5																		
NKP-G 32-125/110/ 1.1 /2	1.1	1.5		15.8	15.2	14.5	12.9	9.9																		
NKP-G 32-125/120/ 1.5 /2	1.5	2		19.3	18.9	18.2	16.8	14.5																		
NKP-G 32-125/130/ 2.2 /2	2.2	3		23.6	23.1	23	21.6	19.6	16.8																	
NKP-G 32-125/142/ 3 /2	3	4		28.6	28	27.6	26.5	24.6	21.8	17.9																
NKP-G 32-160.1 155/2.2/2	2.2	3		29.2	29	26,5	20,5																			
NKP-G 32-160.1 166/3 /2	3	4		35.3	35	33	28																			
NKP-G 32-160/151 /3 /2	3	4		30.5	30	29	27	24	19.5																	
NKP-G 32-160/163 /4 /2	4	5.5		36.2	36	35	33.5	30.5	27	22																
NKP-G 32-160/177 /5,5/2	5.5	7.5		43.5	43.2	42.6	41.5	39	36	31.5	25.5															
NKP-G 32-200.1 188/4 /2	4	5.5		45.3	44.4	40.8	34.4	26.8																		
NKP-G 32-200.1 205/5,5/2	5.5	7.5		56.6	55.7	52	45.8	36.2																		
NKP-G 32-200/190/ 5.5 /2	5.5	7.5		46.9	46.5	45	43	40	35	29																
NKP-G 32-200/210/ 7.5 /2	7.5	10		58.8	58	57	56	53	49	44																
NKP-G 40-125/107/ 1.5 /2	1.5	2		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7														
NKP-G 40-125/120/ 2.2 /2	2.2	3		19	18.7	18.4	17.8	17	15.9	14.6	13	11														
NKP-G 40-125/130/ 3 /2	3	4		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5													
NKP-G 40-125/139/ 4 /2	4	5.5		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15												
NKP-G 40-160/158/ 5,5 /2	5.5	7.5		33.7			34	33.4	32.4	31	29.5	27	24													
NKP-G 40-160/172/ 7,5 /2	7.5	10		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30	26.5											
NKP-G 40-200/210/11 /2	11	15		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	39											
NKP-G 40-250/230/15 /2	15	20		72.5			72.5	72	70	68	66	62.5	60	56	51.5											
NKP-G 40-250/245/18.5 /2	18.5	25	H (m)	83			83	82.5	81.5	80	77	74	71.5	67.5	63.5	58.5										
NKP-G 40-250/260/22 /2	22	30		96			95	94.5	93.5	92	90	87.5	84	81	76.5	71.5										
NKP-G 50-125/115/ 3 /2	3	4		17				16.5	16	15.5	15	14.5	13.7	13	12	11	10	9								
NKP-G 50-125/125/ 4 /2	4	5.5		20.5				20	19.5	19.1	18.5	18	17.5	16.5	15.8	14.8	14	12.5	11.5							
NKP-G 50-125/135/ 5,5 /2	5.5	7.5		24				23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4						
NKP-G 50-125/144/ 7,5 /2	7.5	10		28				27.8	27.5	27.3	27	26.5	25.8	25.3	24.5	23.5	23	21.5	20.5	18	15.5					
NKP-G 50-160/153/ 7.5 /2	7.5	10		31.9				31.5	31.5	31.5	31.2	31	30.5	29.5	28.5	27.5	26	25	23.5							
NKP-G 50-160/169/11 /2	11	15		39.6					39.5	39.3	39.1	39	38.5	38	37.2	36.5	35	34	32.5							
NKP-G 50-200/200/15 /2	15	20		55.1					54.7	54.6	54	53.5	52	51	49	47.5	45.5	43	41							
NKP-G 50-200/210/18,5 /2	18.5	25		61.7					61.7	61.6	61.5	60.5	59	58	56.5	55	53	51	48.5	43						
NKP-G 50-200/219/22 /2	22	30		67.7					67.5	67.4	66.5	66	65.5	64	62.5	61	59.5	57	55	50						
NKP-G 50-250/230/22 /2	22	30		73.6					73.2	73.1	72.8	72	71	68.5	67	65	62.5	60	57	49						
NKP-G 50-250/257/30 /2	30	40		93					92.5	92.3	92	91.5	91	89	87.5	86	83	81	78	72						
NKP-G 65-125/120-110/4/2	4	5.5		16						15	14.6	14.2	13.7	13.3	12.8	12.3	12	11.4	10	8.5	8					
NKP-G 65-125/127/ 5,5 /2	5.5	7.5		19.5						19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12				
NKP-G 65-125/137/ 7,5 /2	7.5	10		23.5						23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12			
NKP-G 65-160/157/11 /2	11	15		32.5								32.3	32	31.9	31.3	30.2	30	29.2	28.7	27	24.8	23.6				
NKP-G 65-160/173/15 /2	15	20		40.1								39.7	39.6	39.5	39.5	39	38.5	38.2	37.5	36	34.5	33.5	26.9			
NKP-G 65-200/190/18,5 /2	18.5	25		51.1								51	50.8	50.5	50	49	48.5	48	47.5	45	42.5	41				
NKP-G 65-200/200/22 /2	22	30		56.4								56.1	56.1	56	55.8	55.5	55	54.8	54.5	53	51	49				
NKP-G 65-200/219/30 /2	30	40		68.9								68.8	68.8	68.7	68.7	68.6	68.5	68.4	67.5	66	64	63.1	57			
NKP-G 80-160/147-127/11 /2	11	15		24															22	21.4	20.4	20	17.4	16.8	12	
NKP-G 80-160/153/15 /2	15	20		30.5															29	28.4	27.5	27	24.5	21.3	18.3	
NKP-G 80-160/163/18,5 /2	18.5	25		35.5															34.3	33.6	32.6	32.3	29.8	26.8	23.6	20
NKP-G 80-160/169/22 /2	22	30		38.5															37.2	36.8	36	35.8	33.5	30.8	27.5	24
NKP-G 80-200/190/30 /2	30	40		48.3															47.9	47.6	47.5	47.3	44.7	41	36	29

DAB PUMPS reserves the right to make modifications without notice

NKM-G NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

ENERGY EFFICIENCY IE2

CE

CONDITIONING, IRRIGATION, WATER TRANSFER, PRESSURIZATION, INDUSTRIAL APPLICATION



Enbloc centrifugal electric pumps with integral shaft designed for a wide range of applications, such as:

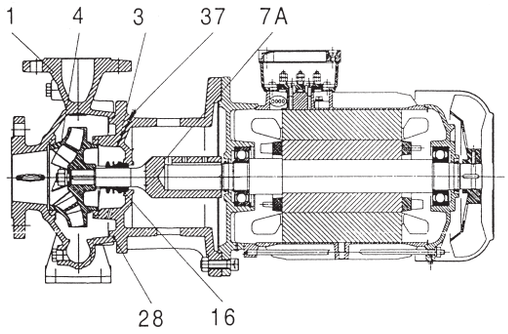
- Water supply.
- Circulation of hot water for central heating.
- Circulation of cold water for air conditioning and refrigerating.
- Transfer of liquids in agriculture, horticulture and industries.
- Implementation of pumping systems.

Pump construction characteristics:
Single-stage, cast iron spiral body made to DIN-EN 733 (formerly DIN 24255), cast iron support, flanges in accordance with DIN 2533. Cast iron impeller, encased and dynamically balanced with compensation of the axial thrust by means of balancing holes, operating (on request) with interchangeable consumable rings. AISI 304 stainless steel pump shaft.
Seal: standardised mechanical seal made to DIN 24960 in carbon / carborundum with O' rings in EPDM.

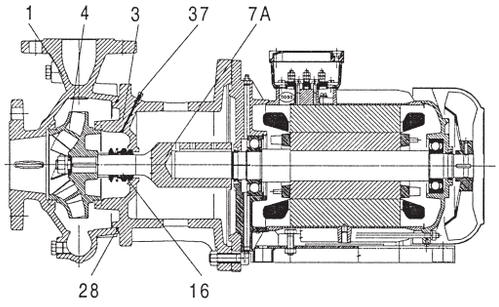
Motor construction characteristics:
Closed, asynchronous motor with external ventilation, 2 poles for NKP and 4 poles for NKM. Rotor mounted on oversized ball bearings to ensure silent running and long life. We recommend using overload protection for the motor, in accordance with current norms. In the case of liquids denser than water, the motors must be proportionally more powerful.

Built to: IEC 2-3 standards.
Protection level: IP 55.
Insulation level: F.
Standard voltage: 230/400 V 50 Hz up to 2,2 Kw included 400 V Δ 50 Hz over 2,2 Kw.
Speed of rotation: 1450 - 2900 1/min.
Operating range: from 1 to 105 m^3/h with head up to 96 metres.
Characteristics of pumped liquid: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.
Liquid temperature range: from -10°C to +140°C.
Maximum ambient temperature: +40°C.
Maximum operating pressure: 16 bar - 1600 kPa.
Flanging: PN 16 DIN 2533.
Installation: normally horizontal or vertical provided the motor is always above the pump.
Special versions on request: pumps for liquids other than water. Other voltages and/or frequencies.

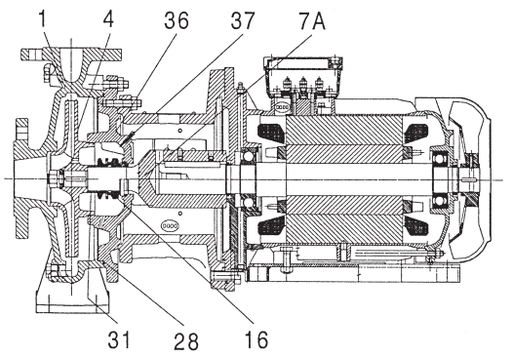
VERSION WITH MOTOR UP TO 7,5 KW COMPRESSED



VERSION WITH MOTOR OVER 7,5 KW



VERSION FOR MODELS: NKM-G 65-315/309/A/BAQE/11/4, NKM-G100-315/316/A/BAQE/22/4, NKM-G125-250/243/A/BAQE/15/4, NKM-G 80-200/200/A/BAQE/4/4, NKM-G 80-250/270/A/BAQE/11/4, NKM-G 80-315/305/A/BAQE/15 /4, NKM-G 80-315/320/A/BAQE/18,5/4, NKM-G 80-315/334/A/BAQE/22/4 NKM-G100-250/250/A/BAQE/11/4, NKM-G150-200/218/A/BAQE/11/4



N.	PARTS	MATERIALS *(STANDARD VERSION)*
1	PUMP BODY	250 UNI ISO 185 CAST IRON
3	SUPPORT	250 UNI ISO 185 CAST IRON
4	IMPELLER	250 UNI ISO 185 CAST IRON
7A	PUMP SHAFT	AISI 304 - UNI 6900/71 STAINLESS STEEL
16	MECHANICAL SEAL	CARBON/CARBORDUM - EPDM
28	O RING	VITON
31	SPACER SEAL	AISI 304 - UNI 6900/71 STAINLESS STEEL
36	SEAL HOLDER DISK	250 UNI ISO 185 CAST IRON
37	BLEED COCK	AISI 304 - UNI 6900/71 STAINLESS STEEL

N.	PARTS	MATERIALS *(STANDARD VERSION)*
4	IMPELLER	BRONZE GCuSn5Zn5Pb5
		UNI 7013/8a-72
16	MECHANICAL SEAL	CARBON/CARBORUNDUM - PTFE CARBORUNDUM/ CARBORUNDUM - VITON CARBON/CARBORUNDUM - VITON

TECHNICAL DATA - NKM-G 4 POLES (1450 1/min)

CAST IRON IMPELLER

MODEL	CODE	ELECTRICAL DATA				DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A			
			kW	HP				
NKM-G 32-125.1/140/A/BAQE/0.25/4	1D1K11BX3	3 x 230 - 400 V ~	0.25	0.33	1,2 / 0,7	50	32	32,8
NKM-G 32-125/142/A/BAQE/ 0.37/4	1D1111B13	3 x 230 - 400 V ~	0.37	0.5	2/1,18	50	32	33,5
NKM-G 32-160.1 169/A/BAQE/0.37/4	1D1L11B13	3 x 230 - 400 V ~	0.37	0.5	2 / 1,18	50	32	35,6
NKM-G 32-160/169/A/BAQE/0,55/4	1D1211B23	3 x 230 - 400 V ~	0.55	0.75	2,8 / 1,6	50	32	39,8
NKM-G 32-200.1 200/A/BAQE/0,55/4	1D1M11B23	3 x 230 - 400 V ~	0.55	0.75	2,8 / 1,6	50	32	45
NKM-G 32-200/200/A/BAQE/ 0,75/4*	1D1311B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	50	32	48,5
NKM-G 32-200/219/A/BAQE/ 1,1 /4*	1D1311B4C	3 x 230 - 400 V ~	1.1	1.5	5 / 2,9	50	32	51
NKM-G 40-125/115/A/BAQE/ 0.25/4	1D2111BXC	3 x 230 - 400 V ~	0.25	0.33	1,2/0,7	65	40	34,2
NKM-G 40-125/130/A/BAQE/ 0.37/4	1D2111B1C	3 x 230 - 400 V ~	0.37	0.5	2/1,18	65	40	35,3
NKM-G 40-125/142/A/BAQE/ 0.55/4	1D2111B2C	3 x 230 - 400 V ~	0.55	0.75	2,9 / 1,7	65	40	39,4
NKM-G 40-160/153/A/BAQE/ 0.55/4	1D2211B2C	3 x 230 - 400 V ~	0.55	0.75	2,8 / 1,6	65	40	40
NKM-G 40-160/166/A/BAQE/ 0.75/4*	1D2211B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	65	40	41,9
NKM-G 40-200/200/A/BAQE/ 1,1 /4*	1D2311B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	65	40	51
NKM-G 40-200/219/A/BAQE/ 1,5 /4*	1D2311B5C	3 x 230 - 400 V ~	1.5	2	6,2/3,6	65	40	56
NKM-G 40-250/245/A/BAQE/ 2,2 /4*	1D2411B6C	3 x 230 - 400 V ~	2.2	3	9,3 / 5,4	65	40	73
NKM-G 40-250/260/A/BAQE/ 3 /4*	1D2411B7D	3 x 400 V ~	3	4	6,8	65	40	75
NKM-G 50-125/130/A/BAQE/ 0.55/4	1D3111B2C	3 x 230 - 400 V ~	0.55	0.75	2,9 / 1,7	65	50	43
NKM-G 50-125/141/A/BAQE/ 0.75/4*	1D3111B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	65	50	43,6
NKM-G 50-160/161/A/BAQE/ 1.1 /4*	1D3211B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	65	50	47
NKM-G 50-160/177/A/BAQE/ 1,5 /4*	1D3211B5C	3 x 230 - 400 V ~	1.5	2	6,2/3,6	65	50	48,5
NKM-G 50-200/210/A/BAQE/ 2,2 /4*	1D3311B6C	3 x 230 - 400 V ~	2.2	3	9,3 / 5,4	65	50	65
NKM-G 50-200/219/A/BAQE/ 3 /4*	1D3311B7D	3 x 400 V ~	3	4	6,8	65	50	68
NKM-G 50-250/263/A/BAQE/ 4 /4*	1D3411B8D	3 x 400 V ~	4	5.5	8,5	65	50	75
NKM-G 65-125/130/A/BAQE/ 0.75/4*	1D4111B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	80	65	58
NKM-G 65-125/144/A/BAQE/ 1.1 /4*	1D4111B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	80	65	49,5
NKM-G 65-160/153/A/BAQE/ 1,1 /4*	1D4211B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	80	65	52
NKM-G 65-160/165/A/BAQE/ 1,5 /4*	1D4211B5C	3 x 230 - 400 V ~	1.5	2	6,2 / 3,6	80	65	54
NKM-G 65-160/177/A/BAQE/ 2,2 /4*	1D4211B6C	3 x 230 - 400 V ~	2.2	3	9,2 / 5,3	80	65	62
NKM-G 65-200/210/A/BAQE/ 3 /4*	1D4311B7D	3 x 400 V ~	3	4	6,8	80	65	72
NKM-G 65-200/219/A/BAQE/ 4 /4*	1D4311B8D	3 x 400 V ~	4	5.5	8,5	80	65	77
NKM-G 65-250/263/A/BAQE/ 5,5 /4*	1D4511B9D	3 x 400 V ~	5.5	7.5	11,3	80	65	136
NKM-G 65-315/279/A/BAQE/ 7,5 /4*	1D4511BAD	3 x 400 V ~	7.5	10	14,7	80	65	157
NKM-G 65-315/309/A/BAQE/11 /4*	1D4511BBD	3 x 400 V ~	11	15	22	80	65	206
NKM-G 80-160/153-136/A/BAQE/1.5/4*	1D5211B5C	3 x 230 - 400 V ~	1.5	2	6,2 / 3,6	100	80	60
NKM-G 80-160/163/A/BAQE/ 2,2 /4*	1D5211B6C	3 x 230 - 400 V ~	2.2	3	9,3 / 5,4	100	80	71
NKM-G 80-160/177/A/BAQE/ 3 /4*	1D5211B7D	3 x 400 V ~	3	4	6,8	100	80	74
NKM-G 80-200/200/A/BAQE/ 4 /4*	1D5311B8D	3 x 400 V ~	4	5.5	8,5	100	80	102
NKM-G 80-200/222/A/BAQE/ 5,5 /4*	1D5311B9D	3 x 400 V ~	5.5	7.5	11,3	100	80	124
NKM-G 80-250/240/A/BAQE/ 7,5 /4*	1D5411BAD	3 x 400 V ~	7.5	10	14,7	100	80	152
NKM-G 80-250/270/A/BAQE/11 /4*	1D5411BBD	3 x 400 V ~	11	15	22	100	80	180
NKM-G 80-315/305/A/BAQE/15 /4*	1D5511BCD	3 x 400 V ~	15	20	29	100	80	227
NKM-G 80-315/320/A/BAQE/18,5 /4*	1D5511BDD	3 x 400 V ~	18.5	25	35	100	80	259
NKM-G 80-315/334/A/BAQE/22 /4*	1D5511BED	3 x 400 V ~	22	30	41	100	80	256
NKM-G100-200/200/A/BAQE/ 5.5 /4*	1D6311B9D	3 x 400 V ~	5.5	7.5	11,3	125	100	136
NKM-G100-200/214/A/BAQE/ 7.5 /4*	1D6311BAD	3 x 400 V ~	7.5	10	14,7	125	100	140
NKM-G100-250/250/A/BAQE/11 /4*	1D6411BBD	3 x 400 V ~	11	15	22	125	100	189
NKM-G100-250/270/A/BAQE/15 /4*	1D6411BCD	3 x 400 V ~	15	20	29	125	100	227
NKM-G100-315/300/A/BAQE/18.4 /4*	1D6511BDD	3 x 400 V ~	18.5	25	35	125	100	253
NKM-G100-315/316/A/BAQE/22 /4*	1D6511BED	3 x 400 V ~	22	30	41	125	100	261
NKM-G125-250/243/A/BAQE/15 /4*	1D7411BCD	3 x 400 V ~	15	20	29	150	125	232
NKM-G125-250/256/A/BAQE/18,5/4*	1D7411BDD	3 x 400 V ~	18.5	25	35	150	125	253
NKM-G125-250/266/A/BAQE/22/4*	1D7411BED	3 x 400 V ~	22	30	41	150	125	271
NKM-G150-200/218/A/BAQE/11 /4*	1D8311BBD	3 x 400 V ~	11	15	22	150	125	260

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - NKM-G 4 POLES (1450 1/min)

BRONZE IMPELLER

MODEL	CODE	ELECTRICAL DATA				DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A			
			kW	HP				
NKM-G 32-125.1/140/B/BAQE /0.25/4	1D1K21BX3	3 x 230 - 400 V ~	0.25	0.33	1,2 / 0,7	50	32	32,8
NKM-G 32-125/142/B/BAQE / 0.37/4	1D1121B13	3 x 230 - 400 V ~	0.37	0.5	2/1,18	50	32	33,5
NKM-G 32-160.1169/B/BAQE /0.37/4	1D1L21B13	3 x 230 - 400 V ~	0.37	0.5	2 / 1,18	50	32	35,6
NKM-G 32-160/169/B/BAQE /0,55/4	1D1221B23	3 x 230 - 400 V ~	0.55	0.75	2,8 / 1,6	50	32	39,8
NKM-G 32-200.1200/B/BAQE /0,55/4	1D1M21B23	3 x 230 - 400 V ~	0.55	0.75	2,8 / 1,6	50	32	45
NKM-G 32-200/200/B/BAQE / 0,75/4*	1D1321B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	50	32	48,5
NKM-G 32-200/219/B/BAQE / 1,1 /4*	1D1321B4C	3 x 230 - 400 V ~	1.1	1.5	5 / 2,9	50	32	51
NKM-G 40-125/115/B/BAQE / 0.25/4	1D2121BXC	3 x 230 - 400 V ~	0.25	0.33	1,2/0,7	65	40	34,2
NKM-G 40-125/130/B/BAQE / 0.37/4	1D2121B1C	3 x 230 - 400 V ~	0.37	0.5	2/1,18	65	40	35,3
NKM-G 40-125/142/B/BAQE / 0.55/4	1D2121B2C	3 x 230 - 400 V ~	0.55	0.75	2,9 / 1,7	65	40	39,4
NKM-G 40-160/153/B/BAQE / 0.55/4	1D2221B2C	3 x 230 - 400 V ~	0.55	0.75	2,8 / 1,6	65	40	40
NKM-G 40-160/166/B/BAQE / 0.75/4*	1D2221B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	65	40	41,9
NKM-G 40-200/200/B/BAQE / 1,1 /4*	1D2321B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	65	40	51
NKM-G 40-200/219/B/BAQE / 1,5 /4*	1D2321B5C	3 x 230 - 400 V ~	1.5	2	6,2/3,6	65	40	56
NKM-G 40-250/245/B/BAQE / 2,2 /4*	1D2421B6C	3 x 230 - 400 V ~	2.2	3	9,3 / 5,4	65	40	73
NKM-G 40-250/260/B/BAQE / 3 /4*	1D2421B7D	3 x 400 V ~	3	4	6,8	65	40	75
NKM-G 50-125/130/B/BAQE / 0.55/4	1D3121B2C	3 x 230 - 400 V ~	0.55	0.75	2,9 / 1,7	65	50	43
NKM-G 50-125/141/B/BAQE / 0.75/4*	1D3121B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	65	50	44
NKM-G 50-160/161/B/BAQE / 1.1 /4*	1D3221B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	65	50	47
NKM-G 50-160/177/B/BAQE / 1,5 /4*	1D3221B5C	3 x 230 - 400 V ~	1.5	2	6,2/3,6	65	50	48,5
NKM-G 50-200/210/B/BAQE / 2,2 /4*	1D3321B6C	3 x 230 - 400 V ~	2.2	3	9,3 / 5,4	65	50	64
NKM-G 50-200/219/B/BAQE / 3 /4*	1D3321B7D	3 x 400 V ~	3	4	6,8	65	50	68
NKM-G 50-250/263/B/BAQE / 4 /4*	1D3421B8D	3 x 400 V ~	4	5.5	8,5	65	50	75
NKM-G 65-125/130/B/BAQE / 0.75/4*	1D4121B3C	3 x 230 - 400 V ~	0.75	1	3,8 / 2,2	80	65	58
NKM-G 65-125/144/B/BAQE / 1.1 /4*	1D4121B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	80	65	49,5
NKM-G 65-160/153/B/BAQE / 1,1 /4*	1D4221B4C	3 x 230 - 400 V ~	1.1	1.5	4,7/2,7	80	65	52
NKM-G 65-160/165/B/BAQE / 1,5 /4*	1D4221B5C	3 x 230 - 400 V ~	1.5	2	6,2 / 3,6	80	65	54
NKM-G 65-160/177/B/BAQE / 2,2 /4*	1D4221B6C	3 x 230 - 400 V ~	2.2	3	9,2 / 5,3	80	65	62
NKM-G 65-200/210/B/BAQE / 3 /4*	1D4321B7D	3 x 400 V ~	3	4	6,8	80	65	72
NKM-G 65-200/219/B/BAQE / 4 /4*	1D4321B8D	3 x 400 V ~	4	5.5	8,5	80	65	77
NKM-G 65-250/263/B/BAQE / 5,5 /4*	1D4421B9D	3 x 400 V ~	5.5	7.5	11,3	80	65	136
NKM-G 65-315/279/B/BAQE / 7,5 /4*	1D4521BAD	3 x 400 V ~	7.5	10	14,7	80	65	157
NKM-G 65-315/309/B/BAQE /11 /4*	1D4521BBD	3 x 400 V ~	11	15	22	80	65	206
NKM-G 80-160/153-136/B/BAQE/1.5/4*	1D5221B5C	3 x 230 - 400 V ~	1.5	2	6,2 / 3,6	100	80	60
NKM-G 80-160/163/B/BAQE / 2,2 /4*	1D5221B6C	3 x 230 - 400 V ~	2.2	3	9,3 / 5,4	100	80	71
NKM-G 80-160/177/B/BAQE / 3 /4*	1D5221B7D	3 x 400 V ~	3	4	6,8	100	80	74
NKM-G 80-200/200/B/BAQE / 4 /4*	1D5321B8D	3 x 400 V ~	4	5.5	8,5	100	80	103
NKM-G 80-200/222/B/BAQE / 5,5 /4*	1D5321B9D	3 x 400 V ~	5.5	7.5	11,3	100	80	124
NKM-G 80-250/240/B/BAQE / 7,5 /4*	1D5421BAD	3 x 400 V ~	7.5	10	14,7	100	80	152
NKM-G 80-250/270/B/BAQE /11 /4*	1D5421BBD	3 x 400 V ~	11	15	22	100	80	180
NKM-G 80-315/305/B/BAQE /15 /4*	1D5521BCD	3 x 400 V ~	15	20	29	100	80	227
NKM-G 80-315/320/B/BAQE /18,5 /4*	1D5521BDD	3 x 400 V ~	18.5	25	35	100	80	259
NKM-G 80-315/334/B/BAQE /22/4*	1D5521BED	3 x 400 V ~	22	30	41	100	80	256
NKM-G100-200/200/B/BAQE /5.5 /4*	1D6321B9D	3 x 400 V ~	5.5	7.5	11,3	125	100	136
NKM-G100-200/214/B/BAQE / 7.5 /4*	1D6321BAD	3 x 400 V ~	7.5	10	14,7	125	100	145
NKM-G100-250/250/B/BAQE /11 /4*	1D6421BBD	3 x 400 V ~	11	15	22	125	100	189
NKM-G100-250/270/B/BAQE /15 /4*	1D6421BCD	3 x 400 V ~	15	20	29	125	100	227
NKM-G100-315/300/B/BAQE /18.5 /4*	1D6521BDD	3 x 400 V ~	18.5	25	35	125	100	253
NKM-G100-315/316/B/BAQE /22 /4*	1D6521BED	3 x 400 V ~	22	30	41	125	100	262
NKM-G125-250/243/B/BAQE /15 /4*	1D7421BCD	3 x 400 V ~	15	20	29	150	125	235
NKM-G125-250/256/B/BAQE /18,5 /4*	1D7421BDD	3 x 400 V ~	18.5	25	35	150	125	257
NKM-G125-250/266/B/BAQE /22 /4*	1D7421BED	3 x 400 V ~	22	30	41	150	125	271
NKM-G150-200/218/B/BAQE /11 /4*	1D8321BBD	3 x 400 V ~	11	15	22	150	125	262

*** NEW IE2 MOTOR**

TECHNICAL DATA - NKP-G 2 POLES (2900 1/min)

CAST IRON IMPELLER

MODEL	CODE	ELECTRICAL DATA				DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A			
			kW	HP				
NKP-G 32-125.1/102/A/BAQE /0.75/2*	1D1K11B3A	3 x 230 - 400 V ~	0,75	1	3.2 - 1.9	50	32	37
NKP-G 32-125.1/115/A/BAQE /1.1/2*	1D1K11B4A	3 x 230 - 400 V ~	1,1	1.5	4.5 - 2.6	50	32	39
NKP-G 32-125.1/125/A/BAQE /1.5/2*	1D1K11B5A	3 x 230 - 400 V ~	1,5	2	5.9 - 3.4	50	32	40,5
NKP-G 32-125.1/140/A/BAQE/2.2/2*	1D1K11B6A	3 x 230 - 400 V ~	2,2	3	8.5 - 4.9	50	32	44
NKP-G 32-125/110/A/BAQE / 1.1 /2*	1D1111B4A	3 x 230 - 400 V ~	1,1	1.5	4.5 - 2.6	50	32	35,8
NKP-G 32-125/120/A/BAQE / 1.5 /2*	1D1111B5A	3 x 230 - 400 V ~	1,5	2	5.9 - 3.4	50	32	40
NKP-G 32-125/130/A/BAQE / 2.2 /2*	1D1111B6A	3 x 230 - 400 V ~	2,2	3	8.5 - 4.9	50	32	43,6
NKP-G 32-125/142/A/BAQE / 3 /2*	1D1111B7B	3 x 400 V ~	3,0	4	6.4	50	32	57
NKP-G 32-160.1 155/A/BAQE/2.2/2*	1D1L11B6A	3 x 230 - 400 V ~	2,2	3	5.5 - 4.9	50	32	45
NKP-G 32-160.1 166/A/BAQE /3 /2*	1D1L11B7B	3 x 400 V ~	3,0	4	6.4	50	32	51
NKP-G 32-160/151 /A/BAQE /3 /2*	1D1211B7B	3 x 400 V ~	3,0	4	6.4	50	32	54
NKP-G 32-160/163 /A/BAQE /4 /2*	1D1211B8B	3 x 400 V ~	4,0	5.5	8.5	50	32	56
NKP-G 32-160/177/A/BAQE /5,5/2*	1D1211B9B	3 x 400 V ~	5,5	7.5	10.6	50	32	82
NKP-G 32-200.1 188/A/BAQE /4 /2	1D1M11B8B	3 x 400 V ~	4,0	5.5	8.5	50	32	62
NKP-G 32-200.1 205/A/BAQE /5,5/2*	1D1M11B9B	3 x 400 V ~	5,5	7.5	10.6	50	32	85
NKP-G 32-200/190/A/BAQE / 5.5 /2*	1D1311B9B	3 x 400 V ~	5,5	7.5	10.6	50	32	88
NKP-G 32-200/210/A/BAQE / 7.5 /2*	1D1311BAB	3 x 400 V ~	7,5	10	14.1	50	32	92
NKP-G 40-125/107/A/BAQE / 1.5 /2*	1D2111B5A	3 x 230 - 400 V ~	1,5	2	5.9 - 3.4	65	40	41,6
NKP-G 40-125/120/A/BAQE / 2.2 /2*	1D2111B6A	3 x 230 - 400 V ~	2,2	3	8.5 - 4.9	65	40	46
NKP-G 40-125/130/A/BAQE / 3/2*	1D2111B7B	3 x 400 V ~	3,0	4	6.4	65	40	56
NKP-G 40-125/139/A/BAQE / 4 /2*	1D2111B8B	3 x 400 V ~	4,0	5.5	8.5	65	40	59
NKP-G 40-160/158/A/BAQE / 5,5 /2*	1D2211B9B	3 x 400 V ~	5,5	7.5	10.6	65	40	82
NKP-G 40-160/172/A/BAQE / 7,5 /2*	1D2211BAB	3 x 400 V ~	7,5	10	14.1	65	40	89
NKP-G 40-200/210/A/BAQE /11 /2*	1D2311BBB	3 x 400 V ~	11,0	15	20.4	65	40	127
NKP-G 40-250/230/A/BAQE /15 /2*	1D2411BCB	3 x 400 V ~	15,0	20	27.5	65	40	142
NKP-G 40-250/245/A/BAQE /18.5 /2*	1D2411BDB	3 x 400 V ~	18,5	25	33.5	65	40	177
NKP-G 40-250/260/A/BAQE/22 /2*	1D2411BEB	3 x 400 V ~	22,0	30	39.5	65	40	182
NKP-G 50-125/115/A/BAQE / 3 /2*	1D3111B7B	3 x 400 V ~	3,0	4	6.4	65	50	57
NKP-G 50-125/125/A/BAQE / 4 /2*	1D3111B8B	3 x 400 V ~	4,0	5.5	8.5	65	50	66
NKP-G 50-125/135/A/BAQE / 5,5 /2*	1D3111B9B	3 x 400 V ~	5,5	7.5	10.6	65	50	84
NKP-G 50-125/144/A/BAQE / 7,5 /2*	1D3111BAB	3 x 400 V ~	7,5	10	14.1	65	50	87
NKP-G 50-160/153/A/BAQE / 7.5 /2*	1D3211BAB	3 x 400 V ~	7,5	10	14.1	65	50	94
NKP-G 50-160/169/A/BAQE /11 /2*	1D3211BBB	3 x 400 V ~	11,0	15	20.4	65	50	115
NKP-G 50-200/200/A/BAQE /15 /2*	1D3311BCB	3 x 400 V ~	15,0	20	27.5	65	50	138
NKP-G 50-200/210/A/BAQE /18,5 /2*	1D3311BDB	3 x 400 V ~	18,5	25	33.5	65	50	166
NKP-G 50-200/219/A/BAQE/22 /2*	1D3311BEB	3 x 400 V ~	22,0	30	39.5	65	50	179
NKP-G 50-250/230/A/BAQE/22 /2*	1D3411BEB	3 x 400 V ~	22,0	30	39.5	65	50	182
NKP-G 50-250/257/A/BAQE /30 /2*	1D3411BFB	3 x 400 V ~	30,0	40	52.5	65	50	325
NKP-G 65-125/120-110/A/BAQE /4/2*	1D4111B8B	3 x 400 V ~	4,0	5.5	8.5	80	65	64
NKP-G 65-125/127/A/BAQE / 5,5 /2*	1D4111B9B	3 x 400 V ~	5,5	7.5	10.6	80	65	86
NKP-G 65-125/137/A/BAQE / 7,5 /2*	1D4111BAB	3 x 400 V ~	7,5	10	14.1	80	65	91
NKP-G 65-160/157/E1287A/BAQE /1/2*	1D4211BBB	3 x 400 V ~	11,0	15	20.4	80	65	122
NKP-G 65-160/173/A/BAQE /15 /2*	1D4211BCB	3 x 400 V ~	15,0	20	27.5	80	65	134
NKP-G 65-200/190/A/BAQE /18,5 /2*	1D4311BDB	3 x 400 V ~	18,5	25	33.5	80	65	165
NKP-G 65-200/200/A/BAQE/22 /2*	1D4311BEB	3 x 400 V ~	22,0	30	39.5	80	65	183
NKP-G 65-200/219/A/BAQE /30 /2*	1D4311BFB	3 x 400 V ~	30,0	40	52.5	80	65	234
NKP-G 80-160/147-127/A/BAQE /11 /2*	1D5211BBB	3 x 400 V ~	11,0	15	20.4	100	80	131
NKP-G 80-160/153/A/BAQE /15 /2*	1D5211BCB	3 x 400 V ~	15,0	20	27.5	100	80	149
NKP-G 80-160/163/A/BAQE /18,5 /2*	1D5211BDB	3 x 400 V ~	18,5	25	33.5	100	80	173
NKP-G 80-160/169/A/BAQE/22 /2*	1D5211BEB	3 x 400 V ~	22,0	30	39.5	100	80	187
NKP-G 80-200/190/A/BAQE /30 /2*	1D5311BFB	3 x 400 V ~	30,0	40	52.5	100	80	340

*** NEW IE2 MOTOR**

TECHNICAL DATA - NKP-G 2 POLES (2900 1/min)

BRONZE IMPELLER

MODEL	CODE	ELECTRICAL DATA				DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A			
			kW	HP				
NKP-G 32-125.1/102/B/BAQE/0.75/2*	1D1K21B3A	3 x 230 - 400 V ~	0,75	1	3.2 - 1.9	50	32	37
NKP-G 32-125.1/115/B/BAQE/1.1/2*	1D1K21B4A	3 x 230 - 400 V ~	1,1	1.5	4.5 - 2.6	50	32	39
NKP-G 32-125.1/125/B/BAQE/1.5/2*	1D1K21B5A	3 x 230 - 400 V ~	1,5	2	5.9 - 3.4	50	32	40,5
NKP-G 32-125.1/140/B/BAQE/2.2/2*	1D1K21B6A	3 x 230 - 400 V ~	2,2	3	8.5 - 4.9	50	32	44
NKP-G 32-125/110/B/BAQE/ 1.1 /2*	1D1121B4A	3 x 230 - 400 V ~	1,1	1.5	4.5 - 2.6	50	32	35,8
NKP-G 32-125/120/B/BAQE/ 1.5 /2*	1D1121B5A	3 x 230 - 400 V ~	1,5	2	5.9 - 3.4	50	32	40
NKP-G 32-125/130/B/BAQE/ 2.2 /2*	1D1121B6A	3 x 230 - 400 V ~	2,2	3	8.5 - 4.9	50	32	43,6
NKP-G 32-125/142/B/BAQE/ 3 /2*	1D1121B7B	3 x 400 V ~	3,0	4	6.4	50	32	57
NKP-G 32-160.1 155/B/BAQE/2.2/2*	1D1L21B6A	3 x 230 - 400 V ~	2,2	3	5.5 - 4.9	50	32	45
NKP-G 32-160.1 166/B/BAQE/3 /2*	1D1L21B7B	3 x 400 V ~	3,0	4	6.4	50	32	51
NKP-G 32-160/151 /B/BAQE/3 /2*	1D1221B7B	3 x 400 V ~	3,0	4	6.4	50	32	54
NKP-G 32-160/163 /B/BAQE/4 /2*	1D1221B8B	3 x 400 V ~	4,0	5.5	8.5	50	32	56
NKP-G 32-160/177 /B/BAQE/5,5/2*	1D1221B9B	3 x 400 V ~	5,5	7.5	10.6	50	32	82
NKP-G 32-200.1 188/B/BAQE/4 /2*	1D1M21B8B	3 x 400 V ~	4,0	5.5	8.5	50	32	62
NKP-G 32-200.1 205/B/BAQE/5,5/2*	1D1M21B9B	3 x 400 V ~	5,5	7.5	10.6	50	32	85
NKP-G 32-200/190/B/BAQE/ 5.5 /2*	1D1321B9B	3 x 400 V ~	5,5	7.5	10.6	50	32	88
NKP-G 32-200/210/B/BAQE/ 7.5 /2*	1D1321BAB	3 x 400 V ~	7,5	10	14.1	50	32	92
NKP-G 40-125/107/B/BAQE/ 1.5 /2*	1D2121B5A	3 x 230 - 400 V ~	1,5	2	5.9 - 3.4	65	40	41,6
NKP-G 40-125/120/B/BAQE/ 2.2 /2*	1D2121B6A	3 x 230 - 400 V ~	2,2	3	8.5 - 4.9	65	40	46
NKP-G 40-125/130/B/BAQE/ 3 /2*	1D2121B7B	3 x 400 V ~	3,0	4	6.4	65	40	56
NKP-G 40-125/139/B/BAQE/ 4 /2*	1D2121B8B	3 x 400 V ~	4,0	5.5	8.5	65	40	59
NKP-G 40-160/158/B/BAQE/ 5,5 /2*	1D2221B9B	3 x 400 V ~	5,5	7.5	10.6	65	40	82
NKP-G 40-160/172/B/BAQE/ 7,5 /2*	1D2221BAB	3 x 400 V ~	7,5	10	14.1	65	40	89
NKP-G 40-200/210/B/BAQE/11 /2*	1D2321BBB	3 x 400 V ~	11,0	15	20.4	65	40	127
NKP-G 40-250/230/B/BAQE/15 /2*	1D2421BCB	3 x 400 V ~	15,0	20	27.5	65	40	142
NKP-G 40-250/245/B/BAQE/18.5 /2*	1D2421BDB	3 x 400 V ~	18,5	25	33.5	65	40	177
NKP-G 40-250/260/B/BAQE/22 /2*	1D2421BEB	3 x 400 V ~	22,0	30	39.5	65	40	182
NKP-G 50-125/115/B/BAQE/ 3 /2*	1D3121B7B	3 x 400 V ~	3,0	4	6.4	65	50	57
NKP-G 50-125/125/B/BAQE/ 4 /2*	1D3121B8B	3 x 400 V ~	4,0	5.5	8.5	65	50	66
NKP-G 50-125/135/B/BAQE/ 5,5 /2*	1D3121B9B	3 x 400 V ~	5,5	7.5	10.6	65	50	84
NKP-G 50-125/144/B/BAQE/ 7,5 /2*	1D3121BAB	3 x 400 V ~	7,5	10	14.1	65	50	87
NKP-G 50-160/153/B/BAQE/ 7.5 /2*	1D3221BAB	3 x 400 V ~	7,5	10	14.1	65	50	94
NKP-G 50-160/169/B/BAQE/11 /2*	1D3221BBB	3 x 400 V ~	11,0	15	20.4	65	50	115
NKP-G 50-200/200/B/BAQE/15 /2*	1D3321BCB	3 x 400 V ~	15,0	20	27.5	65	50	138
NKP-G 50-200/210/B/BAQE/18,5 /2*	1D3321BDB	3 x 400 V ~	18,5	25	33.5	65	50	166
NKP-G 50-200/219/B/BAQE/22/2*	1D3321BEB	3 x 400 V ~	22,0	30	39.5	65	50	179
NKP-G 50-250/230/B/BAQE/22/2*	1D3421BEB	3 x 400 V ~	22,0	30	39.5	65	50	182
NKP-G 50-250/257/B/BAQE/30/2*	1D3421BFB	3 x 400 V ~	30,0	40	52.5	65	50	325
NKP-G 65-125/120-110/B/BAQE/4/2*	1D4121B8B	3 x 400 V ~	4,0	5.5	8.5	80	65	64
NKP-G 65-125/127/B/BAQE/ 5,5 /2*	1D4121B9B	3 x 400 V ~	5,5	7.5	10.6	80	65	86
NKP-G 65-125/137/B/BAQE/ 7,5 /2*	1D4121BAB	3 x 400 V ~	7,5	10	14.1	80	65	91
NKP-G 65-160/157/B/BAQE/11/2*	1D4221BBB	3 x 400 V ~	11,0	15	20.4	80	65	122
NKP-G 65-160/173/B/BAQE/15/2*	1D4221BCB	3 x 400 V ~	15,0	20	27.5	80	65	134
NKP-G 65-200/190/B/BAQE/18,5 /2*	1D4321BDB	3 x 400 V ~	18,5	25	33.5	80	65	165
NKP-G 65-200/200/B/BAQE/22/2*	1D4321BEB	3 x 400 V ~	22,0	30	39.5	80	65	183
NKP-G 65-200/219/B/BAQE/30 /2*	1D4321BFB	3 x 400 V ~	30,0	40	52.5	80	65	234
NKP-G 80-160/147-127/BAQE/11 /2*	1D5221BBB	3 x 400 V ~	11,0	15	20.4	100	80	131
NKP-G 80-160/153/B/BAQE/15 /2*	1D5221BCB	3 x 400 V ~	15,0	20	27.5	100	80	149
NKP-G 80-160/163/B/BAQE/18,5 /2*	1D5221BDB	3 x 400 V ~	18,5	25	33.5	100	80	173
NKP-G 80-160/169/B/BAQE/22 /2*	1D5221BEB	3 x 400 V ~	22,0	30	39.5	100	80	187
NKP-G 80-200/190/B/BAQE/30/2*	1D5321BFB	3 x 400 V ~	30,0	40	52.5	100	80	340

*** NEW IE2 MOTOR**

KDN
PERFORMANCE RANGE

4 POLES ≅ 1450 1/min

MODEL	Q (m³/h) (l/min)	0	3	6	12	18	24	30	36	42	48	54
		0	50	100	200	300	400	500	600	700	800	900
KDN 32-125.1/105		3.5	3.4	3.1								
KDN 32-125.1/110		3.9	3.8	3.5								
KDN 32-125.1/115		4.25	4.2	3.9								
KDN 32-125.1/120		4.7	4.6	4.3								
KDN 32-125.1/125		5.1	5.1	4.8								
KDN 32-125.1/130		5.6	5.6	5.3								
KDN 32-125.1/135		6.1	6	5.8	4.4							
KDN 32-125.1/140		6.6	6.6	6.4	5.1							
KDN 32-125/115		4.3		4.1	3.2							
KDN 32-125/120		4.75		4.6	3.75							
KDN 32-125/125		5.2		5.05	4.2							
KDN 32-125/130		5.7		5.5	4.8							
KDN 32-125/135		6.2		6	5.3	3.65						
KDN 32-125/142		6.9		6.75	6.15	4.5						
KDN 32-160.1/137		5.3	5.3	4.7								
KDN 32-160.1/145		6.2	6.1	5								
KDN 32-160.1/153		7	7	6.6								
KDN 32-160.1/161		8	7.9	7.6								
KDN 32-160.1/169		8.9	8.9	8.6	5.5							
KDN 32-160.1/177		9	9.8	9.5	6.6							
KDN 32-160/137		5.9		5.6	4.4							
KDN 32-160/145		6.7		6.5	5.3							
KDN 32-160/153		7.6		7.4	6.25							
KDN 32-160/161		8.5		8.25	7.25	8.7						
KDN 32-160/169		9.5		9.3	8.4	6.6						
KDN 32-160/177		10.5		10.4	9.6	7.8						
KDN 32-200.1/170		8.6	8.5	7.2								
KDN 32-200.1/180		9.8	9.8	9								
KDN 32-200.1/190		11.3	11.1	10.5								
KDN 32-200.1/200	H	12.8	12.7	11.7	8.3							
KDN 32-200.1/207	(m)	13.8	13.8	13	8.9							
KDN 32-200/170		8.6		8.2	6.7							
KDN 32-200/180		9.9		9.6	8.2							
KDN 32-200/190		11.2		10.9	9.7	7						
KDN 32-200/200		12.6		12.3	11.1	8.7						
KDN 32-200/210		14.3		14	13.1	10.7						
KDN 32-200/219		15.7		15.4	14.8	13	9.8					
KDN 40-125/115		4.2		4.1	3.8	3.2	2.4					
KDN 40-125/120		4.6		4.5	4.2	3.7	2.9					
KDN 40-125/125		5.1		4.9	4.7	4.1	3.3					
KDN 40-125/130		5.5		5.4	5.2	4.7	3.9					
KDN 40-125/135		6		5.9	5.8	5.3	4.6					
KDN 40-125/142		6.7		6.6	6.5	6	5.3	4.1				
KDN 40-160/137		5.9		5.8	5.8	5	3.7					
KDN 40-160/145		6.7		6.6	6.5	6	4.8					
KDN 40-160/153		7.6		7.6	7.5	7	6.8					
KDN 40-160/161		8.6		8.5	8.4	8	7.1	5.6				
KDN 40-160/169		9.6		9.5	9.5	9.1	8.3	7				
KDN 40-160/177		10.7		10.7	10.6	10.2	9.5	8.3				
KDN 40-200/170		8.4		8.4	8.2	7.4	5.7					
KDN 40-200/180		9.7		9.7	9.4	8.8	7.2					
KDN 40-200/190		10.9		10.8	10.7	10.2	8.8	6.8				
KDN 40-200/200		12.2		12.1	12	11.7	10.4	8.6				
KDN 40-200/210		13.6		13.5	13.5	13.2	12.1	10.6				
KDN 40-200/219		15		15	15	14.7	13.8	12.4	10.4			
KDN 40-250/220		15.8			15.6	14.8	13.6	12				
KDN 40-250/230		17.4			17.2	16.5	15.3	13.7				
KDN 40-250/240		19.1			19	18.2	17	15.5				
KDN 40-250/250		20.7			20.6	20	18.9	17.5				
KDN 40-250/260		22.7			22.6	22.1	21	19.5				

DAB PUMPS reserves the right to make modifications without notice

KDN
PERFORMANCE RANGE

4 POLES ≅ 1450 1/min

MODEL	Q (m³/h) (l/min)	0	3	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
		0	50	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDN 50-125/115	H (m)	4.2			4.1	3.9	3.6	3.3	2.9	2.3										
KDN 50-125/120		4.6			4.4	4.3	4	3.7	3.3	2.8										
KDN 50-125/125		5			4.9	4.7	4.5	4.2	3.7	3.3										
KDN 50-125/130		5.6			5.4	5.2	5	4.7	4.2	3.8	3.2									
KDN 50-125/135		6			5.8	5.7	5.5	5.2	4.8	4.3	3.8									
KDN 50-125/139		6.3			6.2	6.1	5.9	5.6	5.2	4.8	4.2									
KDN 50-125/144		6.7			6.7	6.6	6.4	6.2	5.8	5.3	4.8	4.1								
KDN 50-160/137		6			6	5.9	5.6	5.2	4.8											
KDN 50-160/145		6.8			6.7	6.7	6.5	6.2	5.8											
KDN 50-160/153		7.6			7.6	7.5	7.4	7.2	6.7											
KDN 50-160/161		8.4			8.4	8.3	8.2	8.1	7.7											
KDN 50-160/169		9.4			9.3	9.2	9.2	9.1	8.8											
KDN 50-160/177		10.4			10.3	10.3	10.2	10.1	9.95											
KDN 50-200/170		9.5			9.3	9.2	8.8	8	6.85											
KDN 50-200/180		10.6			10.6	10.5	10.1	9.5	8.6	7.3										
KDN 50-200/190		11.8			11.7	11.6	11.4	10.8	10.1	8.9										
KDN 50-200/200		13.1			13	13	12.8	12.3	11.6	10.6	9.4									
KDN 50-200/210		14.6			14.6	14.5	14.4	13.9	13.2	12.2	11									
KDN 50-200/219		16			16	16	15.9	15.4	14.2	13.8	12.7	11.4								
KDN 50-250/220		15.9			15.7	15.6	15.4	14.9	13.8	12.4	10.5									
KDN 50-250/230		17.4			17.3	17.2	17	16.5	15.5	14.2	12.6	10.3								
KDN 50-250/240		19			19	19	18.8	18.2	17.4	16.2	14.7	12.4								
KDN 50-250/250		20.8			20.8	20.7	20.6	20.1	19.2	18.1	17	14.8								
KDN 50-250/263		23			23	22.9	22.8	22.5	21.7	20.6	19.4	17.5								
KDN 65-125/120/110		3.75					3.5	3.3	3.2	2.9	2.7	2.3	1.9							
KDN 65-125/120		4.25					3.9	3.8	3.6	3.3	3.1	2.7	2.3							
KDN 65-125/125		4.7					4.4	4.25	4.1	3.8	3.6	3.25	2.8							
KDN 65-125/130		5.1					4.9	4.75	4.6	4.3	4.1	3.8	3.3	2.8						
KDN 65-125/135		5.6					5.4	5.3	5.2	4.9	4.7	4.3	3.9	3.5	3					
KDN 65-125/140		6					5.9	5.8	5.7	5.5	5.2	4.9	4.5	4.1	3.6					
KDN 65-125/144		6.4					6.35	6.25	6.2	5.9	5.7	5.4	5	4.65	4.2	3.7				
KDN 65-160/137		5.8					5.7	5.4	5.2	4.75	4.3	3.7								
KDN 65-160/145		6.5					6.5	6.3	6	5.7	5.3	4.75	4.1							
KDN 65-160/153		7.3					7.2	7.2	6.9	6.7	6.3	5.8	5.25							
KDN 65-160/161		8.2					8.1	8.1	7.9	7.7	7.3	6.85	6.3	5.8						
KDN 65-160/169		9.1					9.1	9	8.9	8.7	8.4	8	7.6	7.1	6.4					
KDN 65-160/177		10					10	9.9	9.8	9.7	9.45	9.1	8.7	8.2	7.5					
KDN 65-200/170		9.3				9.3	9.2	9.2	9	8.5	7.9	7.1	6.3							
KDN 65-200/180		10.4				10.4	10.4	10.3	10.2	10	9.5	8.8	8.1							
KDN 65-200/190		12.1				12	12	12	11.9	11.5	11.1	10.5	9.8	8.8						
KDN 65-200/200		13.3				13.3	13.3	13.2	13.1	13	12.8	12.3	11.6	10.8						
KDN 65-200/210		14.8				14.7	14.7	14.7	14.6	14.6	14.3	13.8	13.4	12.7	12					
KDN 65-200/219		16.2				16.2	16.2	16.1	16	15.9	15.8	15.4	15	14.4	13.5	12.7				
KDN 65-250/220		15.8					15.8	15.5	15.1	14.5	14	13.2	12	10.7						
KDN 65-250/230		17.4					17.4	17.2	16.8	16.3	15.7	15	14.1	12.7	11.4					
KDN 65-250/240		19					19	18.9	18.5	18.1	17.5	16.8	16	14.7	13.6					
KDN 65-250/250		20.7					20.7	20.6	20.4	20	19.5	18.8	18	17	15.9	14.5				
KDN 65-250/263		23.2					23	23	22.9	22.5	22.2	21.6	20.8	19.8	18.6	17.4	16			
KDN 65-315/260		22.3					22.2	22.1	22	21.5	21	20.5	20	19.2	18.4	17	16	15		
KDN 65-315/275		25.1					25.1	25	24.8	24.6	24.1	23.5	23	22.5	21.5	20.5	19.4	18.1		
KDN 65-315/290		28.2					28.2	28.1	28	27.8	27.3	27	26.5	25.5	25	24	23.1	22	19.5	
KDN 65-315/305		31.7					31.5	31.4	31.4	31.3	31.2	30.8	30.4	29.6	29	28	27.2	26.1	23.5	
KDN 65-315/320		35.7					35.4	35.3	35.2	35.1	35	34.8	34.5	33.8	33.5	32.5	31.5	30.8	28	24.8

KDN
PERFORMANCE RANGE

4 POLES ≅ 1450 1/min

MODEL	Q (m³/h) (l/min)	0	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
		0	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
KDN 80-160/147/127		5.7	5.4	5.25	5.05	4.8	4.6	4.35	4.15	3.85	3.6	3.1	2.5	2.2										
KDN 80-160/153/136		6.4	6.2	6.05	5.85	5.7	5.4	5.15	4.8	4.65	4.4	3.85	3.3	3										
KDN 80-160/153		7.3	7.1	6.9	6.7	6.5	6.3	6	5.75	5.4	5.2	4.55	3.9	3.6										
KDN 80-160/161		8.2	8	7.9	7.75	7.5	7.3	7.05	6.8	6.5	6.25	5.6	4.9	4.6										
KDN 80-160/169		9.1	9	8.85	8.7	8.6	8.35	8.1	7.85	7.6	7.3	6.75	6	5.7										
KDN 80-160/177		10	9.9	9.85	9.8	9.7	9.5	9.3	9.1	8.85	8.7	8.1	7.25	6.9										
KDN 80-200/170		9.2	9.1	9	8.7	8.5	8.2	7.8	7.5	7.1	6.7	5.6												
KDN 80-200/180		10.3	10.2	10.2	10	9.9	9.6	9.2	9	8.6	8.2	7.2												
KDN 80-200/190		11.4	11.4	11.3	11.2	11.1	11	10.7	10.5	10.1	9.8	8.7	6.8											
KDN 80-200/200		12.7	12.6	12.6	12.6	12.5	12.4	12.3	12	11.6	11.4	10.5	9.4	8.8										
KDN 80-200/210		14.1	14	14	14	13.9	13.8	13.7	13.6	13.3	13.1	12.1	11.2	10.6										
KDN 80-200/222		15.9	15.9	15.8	15.7	15.6	15.6	15.5	15.4	15.3	15	14.3	13.4	12.8										
KDN 80-250/220		16	15.9	15.8	15.7	15.6	15.5	15.2	14.9	14.5	13.9	12.8												
KDN 80-250/230		17.3	17.3	17.2	17.1	17	16.9	16.8	16.5	16	15.5	14.3	12.4											
KDN 80-250/240		19	19	19	18.9	18.8	18.7	18.6	18.4	18	17.6	16.6	15.3	14.6										
KDN 80-250/250		20.8	20.7	20.7	20.7	20.6	20.5	20.4	20.3	19.9	19.6	18.6	17.4	16.8										
KDN 80-250/260		22.6	22.5	22.5	22.4	22.3	22.2	22.1	22	21.8	21.4	20.6	19.6	19	15.1									
KDN 80-250/270		24.5	24.4	24.4	24.4	24.3	24.2	24.1	24	23.7	23.3	22.4	21.4	20.7	16.3									
KDN 80-315/275		24.8		24.8	24.8	24.7	24.6	24.5	24.4	24.3	24	23	21.4	20.5										
KDN 80-315/290		27.8		27.8	27.8	27.7	27.7	27.6	27.6	27.5	27.4	26.5	25	24.6	19.1									
KDN 80-315/305		31.4		31.4	31.3	31.2	31.2	31.2	31.2	31.2	30.9	30	29	28.5	24									
KDN 80-315/320		34.8		34.7	34.6	34.6	34.5	34.4	34.3	34	33.9	33.8	33.2	32.8	28.8									
KDN 80-315/334		38.3		38.2	38.2	38.2	38.2	38.2	38.1	38	37.9	37.6	37	36.9	33.1	28								
KDN 100-200/180		10.1				10.1	10.1	10.	9.9	9.7	9.5	9.1	8.5	8.3	7	5.4								
KDN 100-200/190	H	11.6				11.5	11.4	11.3	11.2	11.1	11	10.5	10.1	10	8.6	7								
KDN 100-200/200	(m)	12.9				12.8	12.8	12.8	12.7	12.6	12.5	12.2	11.8	11.6	10.4	8.8								
KDN 100-200/210		14.3				14.2	14.2	14.2	14.2	14.1	14	13.8	13.5	13.3	12.3	10.7	9							
KDN 100-200/219		16				15.7	15.7	15.6	15.6	15.5	15.5	15.3	15.1	15	14	12.5	10.8							
KDN 100-250/220		15.2				14.9	14.9	14.9	14.8	14.7	14.6	14.3	13.7	13.4	11.4									
KDN 100-250/230		16.9				16.7	16.7	16.6	16.5	16.4	16.3	16.1	15.7	15.3	13.6	11.1								
KDN 100-250/240		18.5				18.3	18.3	18.3	18.2	18.1	18	17.9	17.6	17.4	15.7	13.3								
KDN 100-250/250		20.1				20	20	19.9	19.8	19.7	19.6	19.5	19.4	19.2	17.6	15.4								
KDN 100-250/260		22.3				22.1	22.1	22.1	22	21.9	21.8	21.7	21.5	21.4	19.8	17.7	15.1							
KDN 100-250/270		24.3				24.3	24.3	24.3	24.3	24.3	24.2	24.1	23.7	23.5	22.1	20.1	17.3							
KDN 100-315/275		25.1				25	25	25	24.9	24.8	24.7	24.6	24.4	24	22	19								
KDN 100-315/290		28				27.9	27.9	27.9	27.9	27.8	27.7	27.6	27.5	27	25.5	23								
KDN 100-315/305		31.3				31.1	31.1	31.1	31	30.9	30.8	30.7	30.6	30.5	29	27	24							
KDN 100-315/320		34.5				34.4	34.4	34.4	34.4	34.4	34.3	34.2	34.1	34	33	31	28.1							
KDN 100-315/334		38.2				38.2	38.1	38.1	38.1	38	38	37.7	37.5	37.3	36.5	34.8	32	28.8						
KDN 125-250/220		15										14.9	14.9	14.8	14.5	14	13	11.8	10.5	9.2				
KDN 125-250/230		16.6										16.6	16.6	16.5	16.3	15.6	14.8	13.8	12.5	12.3	9.5			
KDN 125-250/240		18.2										18.1	18.1	18.1	18	17.7	16.8	15.8	14.5	13.3	11.6	10.1		
KDN 125-250/250		19.9										19.8	19.8	19.7	19.6	19.4	18.7	17.8	16.6	15.5	14	12.3		
KDN 125-250/260		21.7										21.7	21.6	21.5	21.4	21.3	20.6	19.9	18	17.7	16.3	14.6	13	
KDN 125-250/269		23.9										23.9	23.9	23.8	23.6	23.2	22.7	22.1	22.2	20.2	19	17.5	15.6	14
KDN 150-200/210/170		8.9										8.9	8.9	8.8	8.7	8.6	8.3	7.9	7.4	6.8	6.2	5.4	4.5	
KDN 150-200/218/182		10.4										10.4	10.4	10.3	10.2	9.9	9.5	9.1	8.6	8.1	7.4	6.6	5.8	
KDN 150-200/218/200		11.4										11.4	11.4	11.4	11.2	10.9	10.6	10.1	9.7	9.2	8.5	7.8	6.9	5.9
KDN 150-200/218		12.9										12.7	12.7	12.6	12.4	12.1	11.7	11.2	10.7	10.2	9.6	8.8	8	7.1
KDN 150-200/224		13.8										13.6	13.6	13.5	13.3	13	12.6	12.2	11.7	11.2	10.6	9.9	9.2	8.2

DAB PUMPS reserves the right to make modifications without notice

KDN
PERFORMANCE RANGE

2 POLES ≅ 2900 1/min

MODEL	Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54
		0	100	200	300	400	500	600	700	800	900
KDN 32-125.1/105	H (m)	13.8	13.6	12.3	9.7						
KDN 32-125.1/110		15.5	15.2	13.9	11.5						
KDN 32-125.1/115		17.1	16.8	15.5	13.2						
KDN 32-125.1/120		18.8	18.5	17.3	15.1						
KDN 32-125.1/125		20.5	20.3	19.1	17						
KDN 32-125.1/130		22.3	22.2	21.3	19						
KDN 32-125.1/135		24.4	24.1	23.3	21.1	17.8					
KDN 32-125.1/140		26.5	26.4	25.6	23.4	20.1					
KDN 32-125/115		17.3		16.5	15.1	12.9					
KDN 32-125/120		19		18.2	17	14.9	11.1				
KDN 32-125/125		20.9		20.1	18.9	16.9	13.5				
KDN 32-125/130		22.9		22	21	19.1	16.2				
KDN 32-125/135		24.9		24	22.1	21.5	18.5	14.7			
KDN 32-125/142		27.8		27	26.1	24.5	21.7	18			
KDN 32-160.1/137		21.5	21.2	19.3							
KDN 32-160.1/145		24.7	24.5	22.3	16.5						
KDN 32-160.1/153		28.3	28	26	20.5						
KDN 32-160.1/161		32	31.8	30	25						
KDN 32-160.1/169		36	35.7	34.4	29.5						
KDN 32-160.1/177		39.5	39.3	38.2	34.5	26					
KDN 32-160/137		23.7		22.6	20.7	17.6					
KDN 32-160/145		27		25.8	23.9	21.2	16.9				
KDN 32-160/153		30.4		29.5	27.7	25.8	21.2				
KDN 32-160/161		34		33	31.7	29.1	25.5				
KDN 32-160/169		38		37.3	36	33.6	35.7	26.5			
KDN 32-160/177		41.8		41.5	40.5	38.4	35.3	31.4			
KDN 32-200.1/170		34.3	34.2	31.9	23.5						
KDN 32-200.1/180		39.4	39.2	36.7	30						
KDN 32-200.1/190		45.3	44.7	41.5	35.5						
KDN 32-200.1/200		51.5	51	47.3	41	35					
KDN 32-200.1/207		55.3	55	51.8	46.4	37					
KDN 32-200/170		34		33	31	27	21				
KDN 32-200/180		39		38.5	36.5	32.5	28				
KDN 32-200/190		45		43.5	42	39	34	28.5			
KDN 32-200/200		51		49	48	45	40.5	35			
KDN 32-200/210		57		56	55	52.5	48.5	43	36		
KDN 32-200/219		63		62	61	59	56.5	52.5	46.5	39.5	

KDN
PERFORMANCE RANGE

2 POLES ≅ 2900 1/min

MODEL	Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDN 40-125/115		16.8		13.3	15.6	15	14.3	13.2	12.6	9.8									
KDN 40-125/120		18.5		18	17.5	17	16	15	13.5	11.8									
KDN 40-125/125		20.4		20	19.5	19	18	16.7	15.3	13.5									
KDN 40-125/130		22		21.8	21.5	21	20	19	17.5	15.7	14								
KDN 40-125/135		24.1		24	23.9	23.4	22.5	21.5	20	18.3	16.4								
KDN 40-125/142		26.8		26.6	26.4	26	25.3	24.4	23	21.4	19.4	17							
KDN 40-160/137		23.9			23.8	23	22	20.5	18	15									
KDN 40-160/145		27.5			27.4	27	25.7	24.2	22.1	19.5									
KDN 40-160/153		31.1			31	30.5	29.5	28	26.5	24	21								
KDN 40-160/161		34.5			34.5	34.4	33.7	32.3	30.5	28.5	25.8	22.5							
KDN 40-160/169		38.4			38.4	38.2	38	37	35	33.5	31	28							
KDN 40-160/177		42.6			42.5	42.4	42	41.5	40	38.5	35	33	30						
KDN 40-200/170		33.6			33	32.6	32	30	26.5	22.5									
KDN 40-200/180		38.8			38.5	38	37	35	32.5	29	25								
KDN 40-200/190		43.4			43.1	43	42.7	41	38	35	31.5	27							
KDN 40-200/200		48.7			48.4	48.2	47.5	46.5	44	41.5	38.5	34.5							
KDN 40-200/210		54.3			54.1	54	53.6	53	51	48.5	46	42.5	38						
KDN 40-200/219		60			59.8	59.7	59.4	59	57	55	52.5	49.5	46	40					
KDN 40-250/220		63.1			62.8	62.5	61	59	57	55	52	48							
KDN 40-250/230		69.5			69.3	68.5	67.8	66	63.5	61	58	55	51						
KDN 40-250/240		76.3			76	75.8	75	73	70.5	68	65	62	58.5						
KDN 40-250/250		82.8			82.5	82	81.8	80	78	75.5	72.5	69	66						
KDN 40-250/260		91			90.5	90	89.5	88.5	86.5	84	81	78	74						
KDN 50-125/115	H (m)	17.1					15.9	15.5	15	14.3	13.6	13	12.2	11.5	10.4	9			
KDN 50-125/120		18.2					17.5	17	16.5	16	15.3	14.7	14	13.2	12	11.2	10		
KDN 50-125/125		19.8					19.4	19	18.5	17.9	17.4	16.6	16	15.1	14	13	11.8		
KDN 50-125/130		21.5					21.1	20.8	20.5	19.8	19.2	18.5	17.8	17	16.5	15.2	14		
KDN 50-125/135		23.2					23	22.6	22.3	21.8	21.2	20.6	19.9	19.3	18.4	17.5	16.3	13.7	
KDN 50-125/139		24.7					24.5	24.3	24	23.5	23	22.4	21.6	20.8	20	19.2	18	15.5	
KDN 50-125/144		25.9					26.5	26.4	26.1	25.6	25.1	24.5	24	23.2	22.3	21.5	20.5	17.8	15
KDN 50-160/137		24.2					23.8	23.7	23.5	22.5	22	21	20.3	19	18	16.8	15		
KDN 50-160/145		27.2					27	26.9	26.6	26.4	25.5	25	23.8	23	21.5	20.5	19		
KDN 50-160/153		30.3					30.3	30.2	30	29.9	29.5	28.5	27.7	26.5	25.5	24.5	23		
KDN 50-160/161		33.8					33.7	33.7	33.6	33.6	33.3	32.5	31.8	31	29.8	28.5	27.5		
KDN 50-160/169		37.7					37.7	37.5	37.5	37.4	37	36.2	35.7	35.5	34.2	33	31.5	29	
KDN 50-160/177		41.6					41.5	41.5	41.3	41.2	41	40.6	40.5	39.5	38.8	38	36.7	33.5	
KDN 50-200/170		37.9					37	36.8	36.4	35	34	32	30	27	25				
KDN 50-200/180		42.5					42	41.7	41.4	40.5	39.5	38	36	34	32	29			
KDN 50-200/190		47.2					46.8	46.6	46	45.7	44.5	43.5	42	40	38	35.5	33		
KDN 50-200/200		52.4					52.2	52	18	51.5	50.5	49	47.5	46	44.5	42	40		
KDN 50-200/210		58.4					58.4	58.2	58	57.5	56.5	55.5	54	52.5	51	49	46.5	41.5	
KDN 50-200/219		64					64	64	64	63.5	62.5	61.5	60	58.5	57	55	53	48.5	
KDN 50-250/220		63.7					63.3	63.1	63	62	61	59	57.5	55	53	50	46.5	36	
KDN 50-250/230		69.6					69.3	69	68.8	68.5	68	66	64	62	60	57	54	45	
KDN 50-250/240		76					75.8	75.5	75.3	75	74.5	73	71.5	69	67	65	62	55	
KDN 50-250/250		83.2					83	82.9	82.8	83.5	82	80.5	78.5	77	75	72.5	70	64	
KDN 50-250/263		92.1					92	91.8	91.6	91.5	91.3	89.9	88.5	86.5	84.5	82.5	80	75	61

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KDN

STANDARDISED CENTRIFUGAL PUMPS

ENERGY EFFICIENCY IE2

CE

CONDITIONING, IRRIGATION, WATER TRANSFER, PRESSURIZATION, INDUSTRIAL APPLICATION



Enbloc, centrifugal electric pumps with coupling designed for a wide range of applications such as:

- Supplying water.
- The circulation of hot water for central heating.
- The circulation of cold water for air conditioning and refrigerating.
- The transfer of liquids in agriculture, horticulture and industries.
- The implementation of pumping systems.

These can be connected to a two or four poles electric motor with a coupling and mounted on a pressed metal bedplate in accordance with UNI EN 23661.

Single-stage, cast iron spiral body made to DIN-EN 733 (formerly DIN 24255), cast iron seal holder cover and motor support, flanges in accordance with DIN 2533 (DIN 2532 for DN 200).

Impeller in cast iron, encased and dynamically balanced with compensation of the axial thrust by means of balancing holes, operating (on request) with interchangeable consumable rings.

Stainless steel pump shaft supported by two large maintenance-free greased ball bearings, housed inside a special chamber of the support. Standard seal: standardised mechanical seal made to DIN 24960 in carbon/carborundum with O' rings in EPDM. Packing on request with hydraulic lubricating ring and stuffing box in two easily removable parts.

Speed of rotation: 1450 - 2900 1/min.

Operating range: from 1 to 500 m^3/h with a head of up to 100 metres.

Pumped liquid: clean, without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.

Liquid temperature range: from -10°C to +140°C.

Maximum ambient temperature: +40°C.

Maximum working pressure: 16 bar - 1600 kPa (for DN 200 max. 10 bar).

Flanging: PN 16 DIN 2533 - PN 10 DIN 2532 for DN 200

Installation: normally horizontal.

Special versions on request: pumps for liquids other than water.

Packing (can also be fed externally). Other voltages and/or frequencies.

TECHNICAL DATA - KDN

MODEL		Power (kW)		CAST IRON IMPELLER	VOLTAGE 50 Hz		Flange dimensions (mm)		BRONZE IMPELLER	WEIGHT Kg
		4 poles	2 poles	CODE	3x230	3x400	DNA	DNM	CODE	
KDN 32-125.1	4 poles	0,37	–	1D1K11113	•	•	50	32	1D1K21113	81
		0,55	–	1D1K11123	•	•	50	32	1D1K21123	83
	2 poles	–	0.75	1D1K1113A*	•	•	50	32	1D1K2113A*	85
		–	1.1	1D1K1114A*	•	•	50	32	1D1K2114A*	86
		–	1.5	1D1K1115A*	•	•	50	32	1D1K2115A*	93
		–	2.2	1D1K1116A*	•	•	50	32	1D1K2116A*	100
		–	3	1D1K1117B*		•1	50	32	1D1K2117B*	102
		–	4	1D1K1118B*		•1	50	32	1D1K2118B*	102
KDN 32-125	4 poles	0,37	–	1D1111113	•	•	50	32	1D1121113	81
		0,55	–	1D1111123	•	•	50	32	1D1121123	83
		0,75	–	1D111113C*	•	•	50	32	1D112113C*	84
	2 poles	-	1.1	1D111114A*	•	•	50	32	1D112114A*	85
		-	1.5	1D111115A*	•	•	50	32	1D112115A*	86
		-	2.2	1D111116A*	•	•	50	32	1D112116A*	93
		–	3	1D111117B*		•1	50	32	1D112117B*	96,3
		–	4	1D111118B*		•1	50	32	1D112118B*	117
KDN 32-160.1	4 poles	0,37	–	1D1L11113	•	•	50	32	1D1L21113	83
		0,55	–	1D1L11123	•	•	50	32	1D1L21123	86
		0,75	–	1D1L1113C*	•	•	50	32	1D1L2113C*	86
	2 poles	–	1.1	1D1L1114A*	•	•	50	32	1D1L2114A*	91
		–	1.5	1D1L1115A*	•	•	50	32	1D1L2115A*	94
		–	2.2	1D1L1116A*	•	•	50	32	1D1L2116A*	102
		–	3	1D1L1117B*		•1	50	32	1D1L2117B*	102
		–	4	1D1L1118B*		•1	50	32	1D1L2118B*	104
		–	5.5	1D1L1119B*		•1	50	32	1D1L2119B*	136
KDN 32-160	4 poles	0,37	–	1D1211113	•	•	50	32	1D1221113	83
		0,55	–	1D1211123	•	•	50	32	1D1221123	85
		0,75	–	1D121113C*	•	•	50	32	1D122113C*	86
		1,1	–	1D121114C*	•	•	50	32	1D122114C*	88
	2 poles	–	2.2	1D121116A*	•	•	50	32	1D122116A*	92
		–	3	1D121117B*		•1	50	32	1D122117B*	102
		–	4	1D121118B*		•1	50	32	1D122118B*	104
		–	5.5	1D121119B*		•1	50	32	1D122119B*	136
		–	7.5	1D12111AB*		•1	50	32	1D12211AB*	139
KDN 32-200.1	4 poles	0,37	–	1D1M11113	•	•	50	32	1D1M21113	87
		0,55	–	1D1M11123	•	•	50	32	1D1M21123	89
		0,75	–	1D1M1113C*	•	•	50	32	1D1M2113C*	101
		1,1	–	1D1M1114C*	•	•	50	32	1D1M2114C*	106
	2 poles	–	2.2	1D1M1116A*	•	•	50	32	1D1M2116A*	108
		–	3	1D1M1117B*		•1	50	32	1D1M2117B*	140
		–	4	1D1M1118B*		•1	50	32	1D1M2118B*	143
		–	5.5	1D1M1119B*		•1	50	32	1D1M2119B*	143
		–	7.5	1D1M111AB*		•1	50	32	1D1M211AB*	166

*** NEW IE2 MOTOR**

●**1** Star starting is possible

KDN
STANDARDISED CENTRIFUGAL PUMPS

MODEL		Power (kW)		CAST IRON IMPELLER	VOLTAGE 50 Hz		Flange dimensions (mm)		BRONZE IMPELLER	WEIGHT Kg
		4 poles	2 poles	CODE	3x230	3x400	DNA	DNM	CODE	
KDN 32-200	4 poles	0.37	–	1D1311113	•	•	50	32	1D1321113	87
		0.55	–	1D1311123	•	•	50	32	1D1321123	89
		0.75	–	1D131113C*	•	•	50	32	1D132113C*	90
		1.1	–	1D131114C*	•	•	50	32	1D132114C*	101
		1.5	–	1D131115C*	•	•	50	32	1D132115C*	101
		2.2	–	1D131116C*	•	•	50	32	1D132116C*	102
	2 poles	–	3	1D131117B*		•1	50	32	1D132117B*	103
		–	4	1D131118B*		•1	50	32	1D132118B*	104
		–	5.5	1D131119B*		•1	50	32	1D132119B*	143
		–	7.5	1D13111AB*		•1	50	32	1D13211AB*	177
		–	11	1D13111BB*		•1	50	32	1D13211BB*	237
		–	15	1D13111CB*		•1	50	32	1D13211CB*	248
KDN 40-125	4 poles	0.37	–	1D2111113	•	•	65	40	1D2121113	81
		0.55	–	1D2111123	•	•	65	40	1D2121123	83
		0.75	–	1D211113C*	•	•	65	40	1D212113C*	84
		1.1	–	1D211114C*	•	•	65	40	1D212114C*	86
	2 poles	–	1.5	1D211115A*	•	•	65	40	1D212115A*	86
		–	2.2	1D211116A*	•	•	65	40	1D212116A*	91
		–	3	1D211117B*		•1	65	40	1D212117B*	91
		–	4	1D211118B*		•1	65	40	1D212118B*	102
		–	5.5	1D211119B*		•1	65	40	1D212119B*	134
		–	7.5	1D21111AB*		•1	65	40	1D21211AB*	137
KDN 40-160	4 poles	0.37	–	1D2211113	•	•	65	40	1D2221113	85
		0.55	–	1D2211123	•	•	65	40	1D2221123	89
		0.75	–	1D221113C*	•	•	65	40	1D222113C*	89
		1.1	–	1D221114C*	•	•	65	40	1D222114C*	91
		1.5	–	1D221115C*	•	•	65	40	1D222115C*	101
	2 poles	–	3	1D221117B*		•1	65	40	1D222117B*	102
		–	4	1D221118B*		•1	65	40	1D222118B*	104
		–	5.5	1D221119B*		•1	65	40	1D222119B*	160
		–	7.5	1D22111AB*		•1	65	40	1D22211AB*	165
		–	11	1D22111BB*		•1	65	40	1D22211BB*	173
		–	15	1D22111CB*		•1	65	40	1D22211CB*	173
KDN 40-200	4 poles	0.55	–	1D2311123	•	•	65	40	1D2321123	98
		0.75	–	1D231113C*	•	•	65	40	1D232113C*	98
		1.1	–	1D231114C*	•	•	65	40	1D232114C*	101
		1.5	–	1D231115C*	•	•	65	40	1D232115C*	105
		2.2	–	1D231116C*	•	•	65	40	1D232116C*	111
		3	–	1D231117D*		•1	65	40	1D232117D*	118
	2 poles	–	4	1D231118B*		•1	65	40	1D232118B*	135
		–	5.5	1D231119B*		•1	65	40	1D232119B*	146
		–	7.5	1D23111AB*		•1	65	40	1D23211AB*	147
		–	11	1D23111BB*		•1	65	40	1D23211BB*	221
		–	15	1D23111CB*		•1	65	40	1D23211CB*	231
		–	18.5	1D23111DB*		•1	65	40	1D23211DB*	231
KDN 40-250	4 poles	1.5	–	1D241115C*	•	•	65	40	1D242115C*	125
		2.2	–	1D241116C*	•	•	65	40	1D242116C*	129
		3	–	1D241117D*		•1	65	40	1D242117D*	149
		4	–	1D241118D*		•1	65	40	1D242118D*	200
	2 poles	–	11	1D24111BB*		•1	65	40	1D24211BB*	236
		–	15	1D24111CB*		•1	65	40	1D24211CB*	278
		–	18.5	1D24111DB*		•1	65	40	1D24211DB*	298
		–	22	1D24111EB*		•1	65	40	1D24211EB*	320
		–	30	1D24111FB*		•1	65	40	1D24211FB*	320
KDN 50-125	4 poles	0.37	–	1D3111113	•	•	65	50	1D3121113	87
		0.55	–	1D3111123	•	•	65	50	1D3121123	90
		0.75	–	1D311113C*	•	•	65	50	1D312113C*	91
		1.1	–	1D311114C*	•	•	65	50	1D312114C*	93
		1.5	–	1D311115C*	•	•	65	50	1D312115C*	101
	2 poles	–	3	1D311117B*		•1	65	50	1D312117B*	105
		–	4	1D311118B*		•1	65	50	1D312118B*	109
		–	5.5	1D311119B*		•1	65	50	1D312119B*	143
		–	7.5	1D31111AB*		•1	65	50	1D31211AB*	143
		–	11	1D31111BB*		•1	65	50	1D31211BB*	143

*** NEW IE2 MOTOR**

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KDN
STANDARDISED CENTRIFUGAL PUMPS

MODEL		Power (kW)		CAST IRON IMPELLER	VOLTAGE 50 Hz		Flange dimensions (mm)		BRONZE IMPELLER	WEIGHT Kg
		4 poles	2 poles	CODE	3x230	3x400	DNA	DNM	CODE	
KDN 50-160	4 poles	0.55	–	1D3211123	•	•	65	50	1D3221123	97
		0.75	–	1D321113C*	•	•	65	50	1D322113C*	98
		1.1	–	1D321114C*	•	•	65	50	1D322114C*	100
		1.5	–	1D321115C*	•	•	65	50	1D322115C*	103
		2.2	–	1D321116C*	•	•	65	50	1D322116C*	107
		3	–	1D321117D*		•1	65	50	1D322117D*	110
	2 poles	–	4	1D321118B*		•1	65	50	1D322118B*	132
		–	5.5	1D321119B*		•1	65	50	1D322119B*	143
		–	7.5	1D32111AB*		•1	65	50	1D32211AB*	177
		–	11	1D32111BB*		•1	65	50	1D32211BB*	188
		–	15	1D32111CB*		•1	65	50	1D32211CB*	200
		–	18.5	1D32111DB*		•1	65	50	1D32211DB*	202
KDN 50-200	4 poles	0.75	–	1D331113C*	•	•	65	50	1D332113C*	104
		1.1	–	1D331114C*	•	•	65	50	1D332114C*	107
		1.5	–	1D331115C*	•	•	65	50	1D332115C*	114
		2.2	–	1D331116C*	•	•	65	50	1D332116C*	123
		3	–	1D331117D*		•1	65	50	1D332117D*	122
		4	–	1D331118D*		•1	65	50	1D332118D*	122
	2 poles	–	7.5	1D33111AB*		•1	65	50	1D33211AB*	176
		–	11	1D33111BB*		•1	65	50	1D33211BB*	186
		–	15	1D33111CB*		•1	65	50	1D33211CB*	280
		–	18.5	1D33111DB*		•1	65	50	1D33211DB*	283
		–	22	1D33111EB*		•1	65	50	1D33211EB*	290
		–	30	1D33111FB*		•1	65	50	1D33211FB*	290
KDN 50-250	4 poles	2.2	–	1D341116C*	•	•	65	50	1D342116C*	135
		3	–	1D341117D*		•1	65	50	1D342117D*	138
		4	–	1D341118D*		•1	65	50	1D342118D*	165
		5,5	–	1D341119D*		•1	65	50	1D342119D*	173
	2 poles	–	15	1D34111CB*		•1	65	50	1D34211CB*	260
		–	18.5	1D34111DB*		•1	65	50	1D34211DB*	289
		–	22	1D34111EB*		•1	65	50	1D34211EB*	319
		–	30	1D34111FB*		•1	65	50	1D34211FB*	407
		–	37	1D34111GB*		•1	65	50	1D34211GB*	333
		–	45	1D34111HB*		•1	65	50	1D34211HB*	374
KDN 65-125	4 poles	0.37	–	1D4111113	•	•	80	65	1D4121113	94
		0.55	–	1D4111123	•	•	80	65	1D4121123	97
		0.75	–	1D411113C*	•	•	80	65	1D412113C*	98
		1.1	–	1D411114C*	•	•	80	65	1D412114C*	100
		1.5	–	1D411115C*	•	•	80	65	1D412115C*	103
		2.2	–	1D411116C*	•	•	80	65	1D412116C*	107
	2 poles	–	4	1D411118B*		•1	80	65	1D412118B*	132
		–	5.5	1D411119B*		•1	80	65	1D412119B*	143
		–	7.5	1D41111AB*		•1	80	65	1D41211AB*	146
		–	11	1D41111BB*		•1	80	65	1D41211BB*	175
		–	15	1D41111CB*		•1	80	65	1D41211CB*	180
KDN 65-160	4 poles	0.75	–	1D421113C*	•	•	80	65	1D422113C*	101
		1.1	–	1D421114C*	•	•	80	65	1D422114C*	103
		1.5	–	1D421115C*	•	•	80	65	1D422115C*	114
		2.2	–	1D421116C*	•	•	80	65	1D422116C*	114
		3	–	1D421117D*		•1	80	65	1D422117D*	148
	2 poles	–	5.5	1D421119B*		•1	80	65	1D422119B*	149
		–	7.5	1D42111AB*		•1	80	65	1D42211AB*	173
		–	11	1D42111BB*		•1	80	65	1D42211BB*	183
		–	15	1D42111CB*		•1	80	65	1D42211CB*	220
		–	18.5	1D42111DB*		•1	80	65	1D42211DB*	220
		–	22	1D42111EB*		•1	80	65	1D42211EB*	220

*** NEW IE2 MOTOR**

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KDN
STANDARDISED CENTRIFUGAL PUMPS

MODEL		Power (kW)		CAST IRON IMPELLER	VOLTAGE 50 Hz		Flange dimensions (mm)		BRONZE IMPELLER	WEIGHT Kg
		4 poles	2 poles	CODE	3x230	3x400	DNA	DNM	CODE	
KDN 65-200	4 poles	1.1	–	1D431114C*	•	•	80	65	1D432114C*	141
		1.5	–	1D431115C*	•	•	80	65	1D432115C*	143
		2.2	–	1D431116C*	•	•	80	65	1D432116C*	147
		3	–	1D431117D*		•1	80	65	1D432117D*	150
		4	–	1D431118D*		•1	80	65	1D432118D*	150
		5,5	–	1D431119D*		•1	80	65	1D432119D*	200
	2 poles	–	11	1D43111BB*		•1	80	65	1D43211BB*	267
		–	15	1D43111CB*		•1	80	65	1D43211CB*	279
		–	18.5	1D43111DB*		•1	80	65	1D43211DB*	289
		–	22	1D43111EB*		•1	80	65	1D43211EB*	332
		–	30	1D43111FB*		•1	80	65	1D43211FB*	406
		–	37	1D43111GB*		•1	80	65	1D43211GB*	406
KDN 65-250	4 poles	3	–	1D441117D*		•1	80	65	1D442117D*	178
		4	–	1D441118D*		•1	80	65	1D442118D*	185
		5,5	–	1D441119D*		•1	80	65	1D442119D*	201
		7.5	–	1D44111AD*		•1	80	65	1D44211AD*	257
		11	–	1D44111BD*		•1	80	65	1D44211BD*	257
	2 poles	–	22	1D44111EB*		•1	80	65	1D44211EB*	319
		–	30	1D44111FB*		•1	80	65	1D44211FB*	460
		–	37	1D44111GB*		•1	80	65	1D44211GB*	477
		–	45	1D44111HB*		•1	80	65	1D44211HB*	550
		–	55	1D44111KB*		•1	80	65	1D44211KB*	672
KDN 65-315	4 poles	5,5	–	1D451119D*		•1	80	65	1D452119D*	259
		7.5	–	1D45111AD*		•1	80	65	1D45211AD*	292
		11	–	1D45111BD*		•1	80	65	1D45211BD*	297
		15	–	1D45111CD*		•1	80	65	1D45211CD*	297
		18.5	–	1D45111DD*		•1	80	65	1D45211DD*	322
	2 poles	–	45	1D45111HB*		•1	80	65	1D45211HB*	580
		–	55	1D45111KB*		•1	80	65	1D45211KB*	702
		–	75	1D45111LB*		•1	80	65	1D45211LB*	820
		–	90	–		•1	80	65	1D45211MB*	930
		–	110	–		•1	80	65	1D45211NB*	1020
KDN 80-160	4 poles	1.1	–	1D521114C*	•	•	100	80	1D522114C*	125
		1.5	–	1D521115C*	•	•	100	80	1D522115C*	127
		2.2	–	1D521116C*	•	•	100	80	1D522116C*	139
		3	–	1D521117D*		•1	100	80	1D522117D*	138
		4	–	1D521118D*		•1	100	80	1D522118D*	138
		5,5	–	1D521119D*		•1	100	80	1D522119D*	163
	2 poles	–	7.5	1D52111AB*		•1	100	80	1D52211AB*	189
		–	11	1D52111BB*		•1	100	80	1D52211BB*	298
		–	15	1D52111CB*		•1	100	80	1D52211CB*	298
		–	18.5	1D52111DB*		•1	100	80	1D52211DB*	298
		–	22	1D52111EB*		•1	100	80	1D52211EB*	298
		–	30	1D52111FB*		•1	100	80	1D52211FB*	304
		–	37	1D52111GB*		•1	100	80	1D52211GB*	383
KDN 80-200	4 poles	1.5	–	1D531115C*	•	•	100	80	1D532115C*	161
		2.2	–	1D531116C*	•	•	100	80	1D532116C*	166
		3	–	1D531117D*		•1	100	80	1D532117D*	168
		4	–	1D531118D*		•1	100	80	1D532118D*	188
		5,5	–	1D531119D*		•1	100	80	1D532119D*	188
		7.5	–	1D53111AD*		•1	100	80	1D53211AD*	188
		11	–	1D53111BD*		•1	100	80	1D53211BD*	197
	2 poles	–	18.5	1D53111DB*		•1	100	80	1D53211DB*	239
		–	22	1D53111EB*		•1	100	80	1D53211EB*	275
		–	30	1D53111FB*		•1	100	80	1D53211FB*	432
		–	37	1D53111GB*		•1	100	80	1D53211GB*	455
		–	45	1D53111HB*		•1	100	80	1D53211HB*	548
		–	55	1D53111KB*		•1	100	80	1D53211KB*	494
		–	75	1D53111LB*		•1	100	80	1D53211LB*	609

*** NEW IE2 MOTOR**

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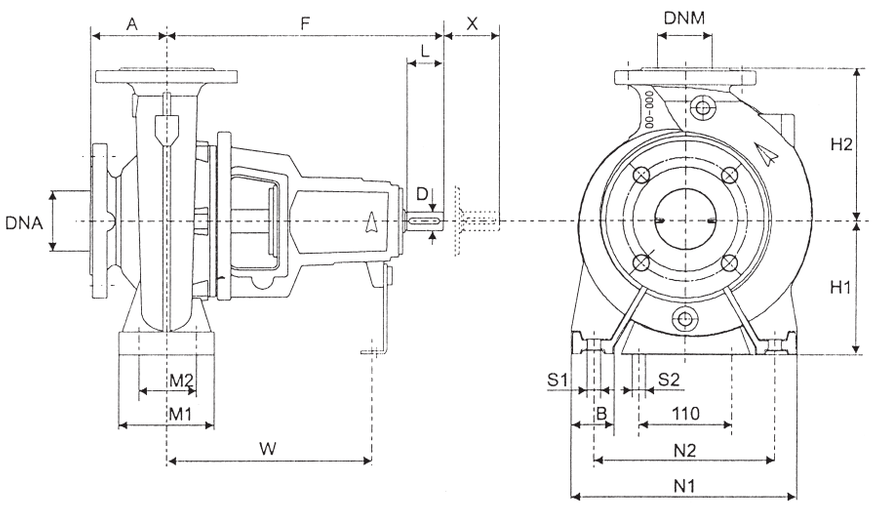
KDN
STANDARDISED CENTRIFUGAL PUMPS

MODEL		Power (kW)		CAST IRON IMPELLER	VOLTAGE 50 Hz	Flange dimensions (mm)		BRONZE IMPELLER	WEIGHT Kg
		4 poles	2 poles	CODE	3x400	DNA	DNM	CODE	
KDN 80-250	4 poles	4	–	1D541118D*	•1	100	80	1D542118D*	219
		5.5	–	1D541119D*	•1	100	80	1D542119D*	219
		7.5	–	1D54111AD*	•1	100	80	1D54211AD*	219
		11	–	1D54111BD*	•1	100	80	1D54211BD*	258
		15	–	1D54111CD*	•1	100	80	1D54211CD*	277
	2 poles	–	37	1D54111GB*	•1	100	80	1D54211GB*	471
		–	45	1D54111HB*	•1	100	80	1D54211HB*	545
		–	55	1D54111KB*	•1	100	80	1D54211KB*	650
		–	75	1D54111LB*	•1	100	80	1D54211LB*	641
		–	90	1D54111MB*	•1	100	80	1D54211MB*	909
KDN 80-315	4 poles	7.5	–	1D55111AD*	•1	100	80	1D55211AD*	390
		11	–	1D55111BD*	•1	100	80	1D55211BD*	390
		15	–	1D55111CD*	•1	100	80	1D55211CD*	390
		18.5	–	1D55111DD*	•1	100	80	1D55211DD*	409
		22	–	1D55111ED*	•1	100	80	1D55211ED*	348
	2 poles	30	–	1D55111FD*	•1	100	80	1D55211FD*	384
		–	55	1D55111KB*	•1	100	80	1D55211KB*	720
		–	75	–	•1	100	80	1D55211LB*	840
		–	90	–	•1	100	80	1D55211MB*	950
		–	110	–	•1	100	80	1D55211NB*	1060
KDN 100-200	4 poles	3	–	1D631117D*	•1	125	100	1D632117D*	181
		4	–	1D631118D*	•1	125	100	1D632118D*	188
		5,5	–	1D631119D*	•1	125	100	1D632119D*	214
		7.5	–	1D63111AD*	•1	125	100	1D63211AD*	209
		11	–	1D63111BD*	•1	125	100	1D63211BD*	307
		15	–	1D63111CD*	•1	125	100	1D63211CD*	380
	2 poles	–	30	1D63111FB*	•1	125	100	1D63211FB*	454
		–	37	1D63111GB*	•1	125	100	1D63211GB*	402
		–	45	1D63111HB*	•1	125	100	1D63211HB*	549
		–	55	1D63111KB*	•1	125	100	1D63211KB*	623
		–	75	1D63111LB*	•1	125	100	1D63211LB*	621
		–	90	1D63111MB*	•1	125	100	1D63211MB*	621
KDN 100-250	4 poles	5.5	–	1D641119D*	•1	125	100	1D642119D*	241
		7.5	–	1D64111AD*	•1	125	100	1D64211AD*	250
		11	–	1D64111BD*	•1	125	100	1D64211BD*	292
		15	–	1D64111CD*	•1	125	100	1D64211CD*	300
		18.5	–	1D64111DD*	•1	125	100	1D64211DD*	578
	2 poles	–	45	1D64111HB*	•1	125	100	1D64211HB*	696
		–	55	1D64111KB*	•1	125	100	1D64211KB*	696
		–	75	1D64111LB*	•1	125	100	1D64211LB*	850
		–	90	1D64111MB*	•1	125	100	1D64211MB*	670
		–	110	1D64111NB*	•1	125	100	1D64211NB*	1120
KDN 100-315	4 poles	11	–	1D65111BD*	•1	125	100	1D65211BD*	313
		15	–	1D65111CD*	•1	125	100	1D65211CD*	300
		18.5	–	1D65111DD*	•1	125	100	1D65211DD*	346
		22	–	1D65111ED*	•1	125	100	1D65211ED*	372
		30	–	1D65111FD*	•1	125	100	1D65211FD*	458
		37	–	1D65111GD*	•1	125	100	1D65211GD*	518
KDN 125-250	4 poles	7.5	–	1D74111AD*	•1	150	125	1D74211AD*	310
		11	–	1D74111BD*	•1	150	125	1D74211BD*	328
		15	–	1D74111CD*	•1	150	125	1D74211CD*	416
		18.5	–	1D74111DD*	•1	150	125	1D74211DD*	422
		22	–	1D74111ED*	•1	150	125	1D74211ED*	463
		30	–	1D74111FD*	•1	150	125	1D74211FD*	511
KDN 150-200	4 poles	5.5	–	1D831119D*	•1	200	150	1D832119D*	454
		7.5	–	1D83111AD*	•1	200	150	1D83211AD*	454
		11	–	1D83111BD*	•1	200	150	1D83211BD*	454
		15	–	1D83111CD*	•1	200	150	1D83211CD*	454
		18.5	–	1D83111DD*	•1	200	150	1D83211DD*	454

*** NEW IE2 MOTOR**

●**1** Star starting is possible

DIMENSIONS



MODEL	max 1450 min^{-1}		max 2900 min^{-1}		FLANGE DIM.		PUMP DIMENSIONS				SUPPORT DIMENSIONS						HOLES FOR BOLTS		SHAFT END		X
	Q m^3/h	H m	Q m^3/h	H m	DNA	DNM	A	F	H1	H2	B	M1	M2	N1	N2	W	S1	S2	D	L	
KDN 32-125.1	10.5	5.5	20,9	22	50	32	80	360	112	140	50	100	70	190	140	260	M12	M12	24	50	100
KDN 32-125	13.6	5.8	28	22.8																	
KDN 32-160.1	8.7	8.3	17.5	33					132	160				240	190						
KDN 32-160	15.9	8,6	31	34																	
KDN 32-200.1	8.5	11.4	18	45					160	180											
KDN 32-200	17.7	13.2	35.5	52.5																	
KDN 40-125	21.8	5.6	46	21.5	65	40	80	360	112	140	50	100	70	210	160	260	M12	M12	24	50	100
KDN 40-160	25.8	9.2	50	37.2					132	160				240	190						
KDN 40-200	29	12.6	57	51			100		160	180				265	212						
KDN 40-250	31	19.1	62	77					180	225	65	125	95	320	250						
KDN 50-125	41	5.4	83	21.5	65	50	100	360	132	160	50	100	70	240	190	260	M12	M12	24	50	100
KDN 50-160	43.3	9.3	87.5	37					160	180				265	212						
KDN 50-200	41	14	81	56						200											
KDN 50-250	49	19.1	100	76					180	225	65	125	95	320	250						
KDN 65-125	57	5.2	114	21	80	65	100	360	160	180	65	125	95	280	212	260	M12	M12	24	50	100
KDN 65-160	61	8.6	121	34.5						200											
KDN 65-200	62	14.8	123	59					180	225				320	250						140
KDN 65-250	65.4	20	129	81				470	200	250	80	160	120	360	280	340	M16		32	80	
KDN 65-315	84	31.5	–	–			125		225	280				400	315						
KDN 80-160	101	8.1	195	33.5	100	80	125	360	180	225	65	125	95	320	250	260	M12	M12	24	50	140
KDN 80-200	101	14.4	200	57.5				470		250				345	280	340			32	80	
KDN 80-250	103	23	215	88					200	280	80	160	120	400	315		M16				
KDN 80-315	136	35	–	–					250	315											
KDN 100-200	163	13.4	315	53	125	100	125	470	200	280	80	160	120	360	280	340	M16	M12	32	80	140
KDN 100-250	159	21,8	313	87			140		225					400	315						
KDN 100-315	187	34.1	–	–					250	315											
KDN 125-250	289	20.5	–	–	150	125	140	470	250	355	80	160	120	400	315	340	M16	M12	32	80	140
KDN 150-200	378	10	–	–	200	150	160	470	280	400	100	200	150	550	450	340	M20	M12	32	80	140

KDN OVERSIZE

STANDARDISED CENTRIFUGAL PUMPS

CE

CONDITIONING, IRRIGATION, WATER TRANSFER, PRESSURIZATION, INDUSTRIAL APPLICATION

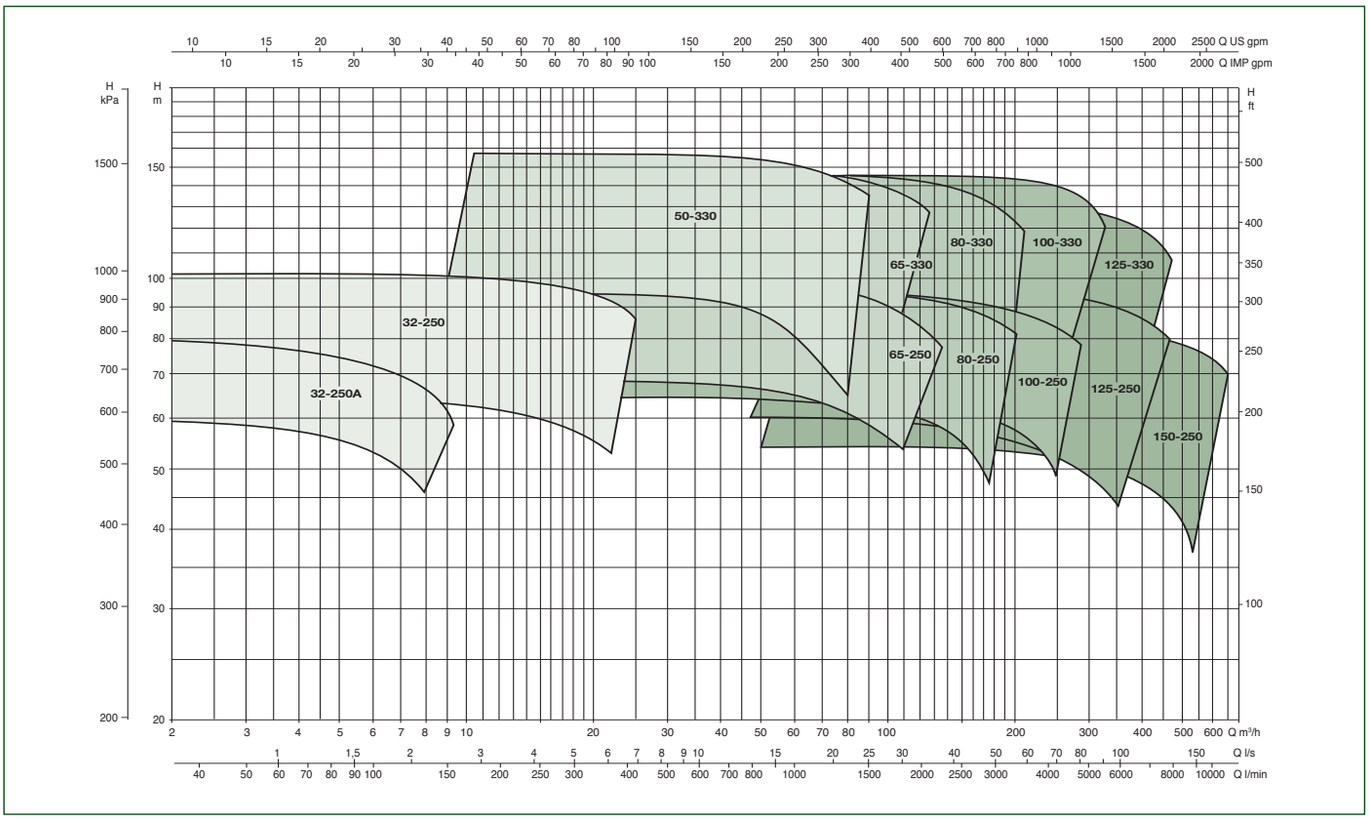


Single-stage centrifugal pump body with axial suction port, radial discharge port and horizontal shaft components.
The KDN pumps have dimensions and nominal performances according to EN 733 (10 bar) but are designed for 16 bar operation wherever the shaft seal type allows it.
The suction and discharge flanges are according to EN 7005 PN 10 or 16. All pumps are dynamically balanced according to ISO 1940 class 6.3 and impellers are hydraulically balanced. Pump and motor are mounted on a common baseplate in accordance with EN 23 661 in all-welded steel. Oversizes have profile base frames. Due to the pump design the complete bearing assembly including impeller and shaft seal can be dismantled without removing the pump body from the pipe system (back-pull-out design).
Asynchronous, closed and cooled with external ventilation, 2, 4 or 6 poles motors.

Electrical protection: in compliance with the EEC 89/336 ELECTROMAGNETIC COMPATIBILITY directive and subsequent amendments, EEC 73/23 LOW VOLTAGE directive and subsequent amendments and CEI 2-3 standards.
Flow: Max. 2200 m³/h.
Head: Max. 158 m.
Liquid temperature: from -25°C to +140°C.
Operating pressure: Max. 16 bar.
Motor construction: B3.
Protection level: IP 55.
Insulation class: F.
Supply voltage: Three-phase 230-400V 50 Hz up to 2.2 kW included 400V Δ 50 Hz over 2.2 Kw.
Special versions on request: other voltages and/or frequencies.

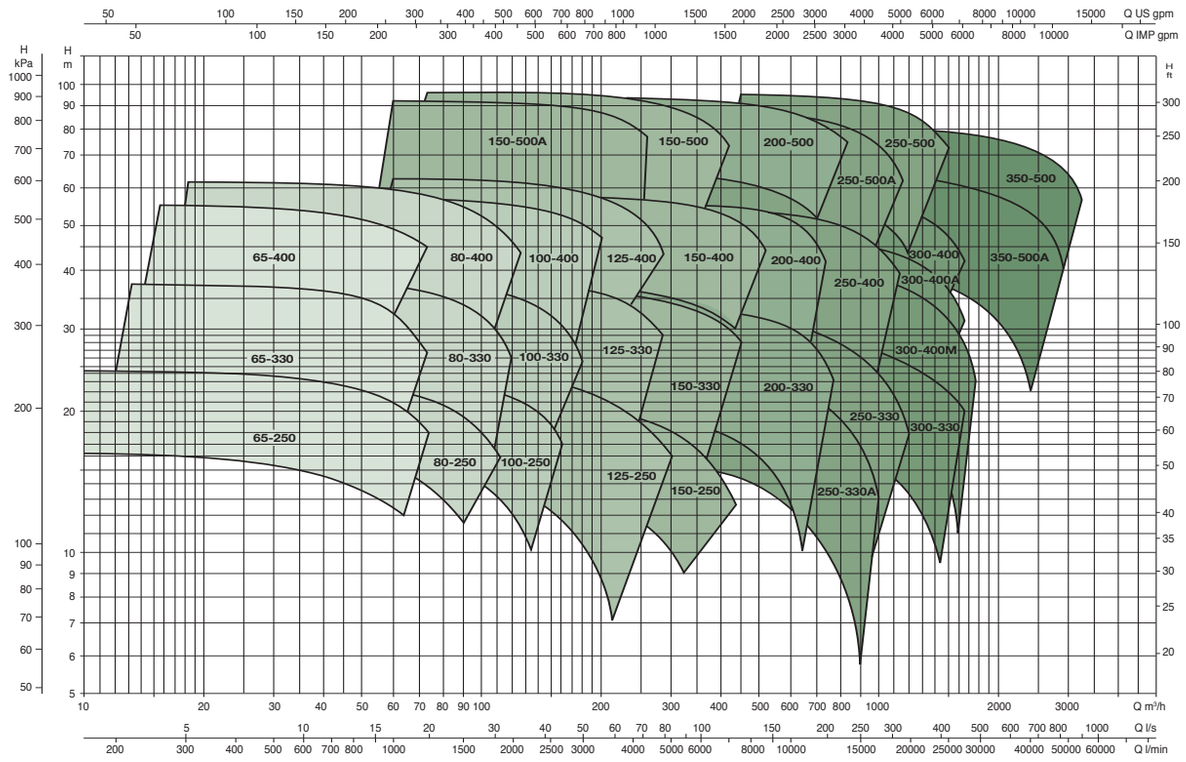
TECHNICAL DATA - KDN ≅ *2900 1/min*

2 POLES-MOTOR



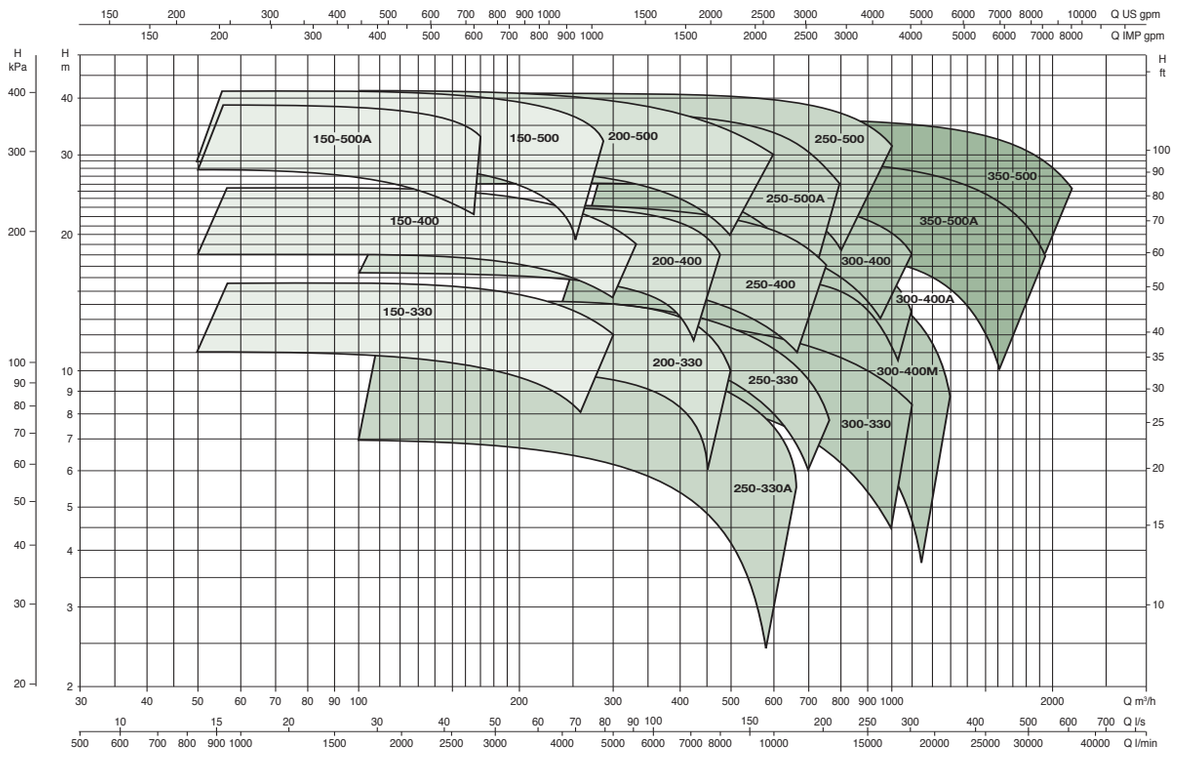
KDN ≅ *1450 1/min*

4 POLES-MOTOR

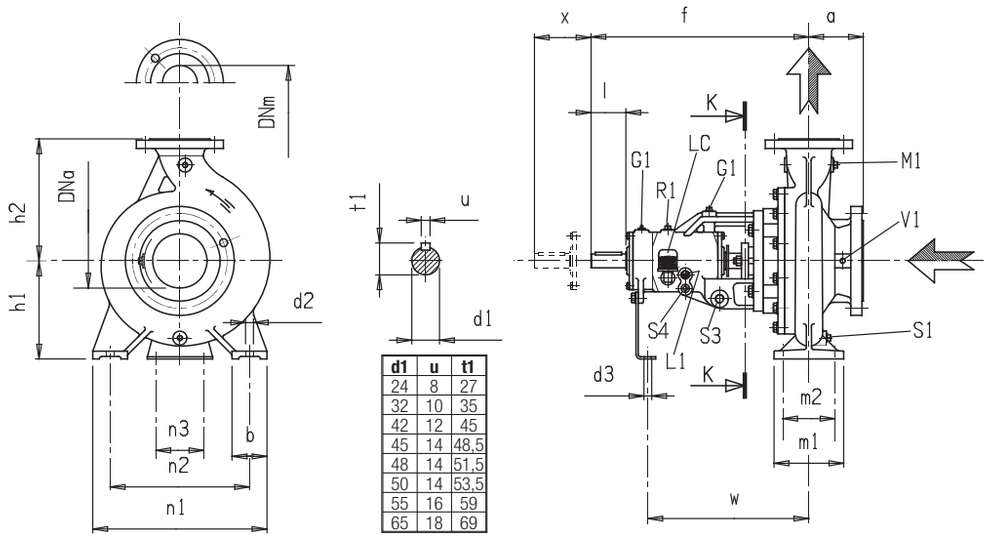


KDN ≅ *970 1/min*

6 POLES-MOTOR



DIMENSIONS AND WEIGHTS



d1	u	t1
24	8	27
32	10	35
42	12	45
45	14	48,5
48	14	51,5
50	14	53,5
55	16	59
65	18	69

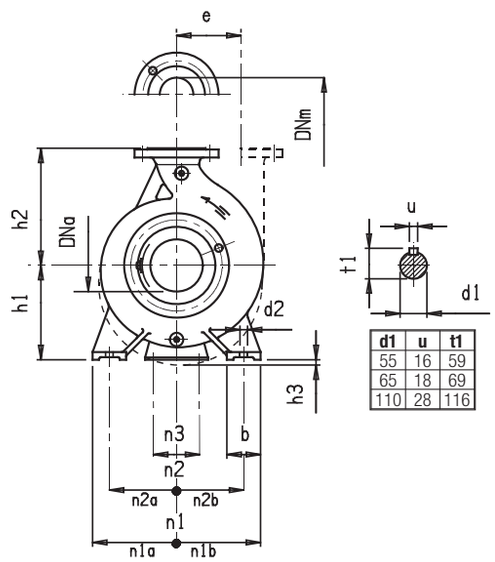
M1 Pressure gauge connection
S1 Drain plug
S3 Packing drain connection 1/2"
V1 Vacuum gauge connection

Grease lubrication
G1 Greaser

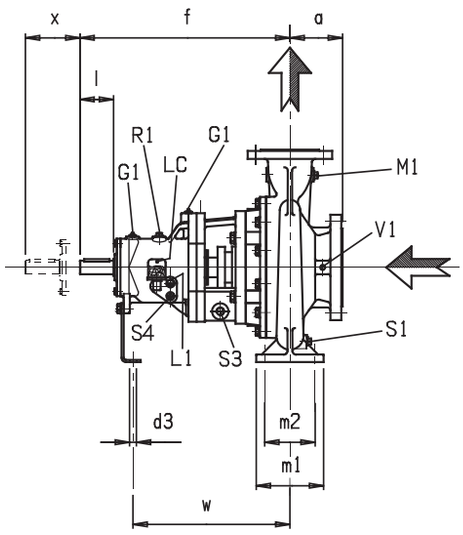
Oil lubrication
R1 Oil filling - 3/8"
L1 Oil level - 3/8"
S4 Oil drain plug - 3/8"
LC Constant level oil - 1/4"

MODEL	Supp.	DNa	DNm	a	f	h1	h2	b	m1	m2	n1	n2	d2	n3	d3	w	x	d1	l	M1	S1	V1	Kg
KDN 32-250	2	50	32	100	500	180	225	65	125	95	320	250	14	110	14	370	100	32	80	3/8"	1/4"	1/4"	78
KDN 32-250A	2	50	32	100	500	180	225	65	125	95	320	250	14	110	14	370	100	32	80	3/8"	1/4"	1/4"	78
KDN 50-330	2	80	50	125	500	225	280	65	125	95	345	280	14	110	14	370	100	32	80	3/8"	1/4"	1/4"	116
KDN 65-250	2	100	65	125	500	200	250	80	160	120	360	280	18	110	14	370	140	32	80	3/8"	1/4"	1/4"	88
KDN 65-330	3	100	65	125	530	225	280	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	1/4"	1/4"	152
KDN 65-400	3	100	65	125	530	280	355	80	160	120	435	355	18	110	14	370	140	42	110	3/8"	1/4"	1/4"	180
KDN 80-250	2	125	80	125	500	225	280	80	160	120	400	315	18	110	14	370	140	32	80	3/8"	3/8"	3/8"	100
KDN 80-330	3	125	80	125	530	250	315	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	155
KDN 80-400	3	125	80	125	530	280	355	80	160	120	435	365	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	185
KDN 100-250	3	125	100	140	530	225	280	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	130
KDN 100-330	3	125	100	140	530	250	315	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	170
KDN 100-400	3	125	100	140	530	280	355	100	200	150	500	400	23	110	14	370	140	42	110	1/2"	3/8"	3/8"	200
KDN 125-250	3	150	125	140	530	250	355	80	160	120	400	315	18	110	14	370	140	42	110	1/2"	3/8"	3/8"	140
KDN 125-330	3	150	125	140	530	280	355	100	200	150	500	400	23	110	14	370	140	42	110	1/2"	3/8"	3/8"	190
KDN 125-400	3	150	125	140	530	315	400	100	200	150	500	400	23	110	14	370	140	42	110	1/2"	3/8"	3/8"	220
KDN 150-250	3	200	150	160	530	280	375	100	200	150	500	400	23	110	14	370	180	42	110	1/2"	1/2"	3/8"	180
KDN 150-330	4	200	150	160	670	315	400	100	200	150	550	450	22	140	18	500	180	55 1)	110	1/2"	1/2"	3/8"	255
KDN 150-400	4	200	150	160	670	315	450	100	200	150	550	450	22	140	18	500	180	55 1)	110	1/2"	1/2"	3/8"	298
KDN 150-500	4	200	150	180	670	355	500	100	200	150	550	450	22	140	18	500	180	55	110	1/2"	1/2"	3/8"	410
KDN 150-500A	4	200	150	180	670	355	500	100	200	150	550	450	22	140	18	500	180	55	110	1/2"	1/2"	3/8"	410

DIMENSIONS AND WEIGHTS



d1	u	t1
55	16	59
65	18	69
110	28	116



M1 Pressure gauge connection
S1 Drain plug
S3 Packing drain connection 1/2"
V1 Vacuum gauge connection

Grease lubrication
G1 Greaser

Oil lubrication
R1 Oil filling - 3/8"
L1 Oil level - 3/8"
S4 Oil drain plug - 3/8"
LC Constant level oil - 1/4"

MODEL	Supp.	DNa.	DNm	a	f	h1	h2	b	m1	m2	n1	n1a	n1b	n2	n2a	n2b	d2	n3	d3	h3	e	w	x	d1	l	M1	S1	V1	kg.
KDN 200-330	4	250	200	200	670	355	450	100	200	150	550	275	275	450	225	225	22	140	18			500	180	55	110	1/2"	1/2"	3/8"	360
KDN 200-400	4	250	200	185	670	355	500	100	200	150	550	275	275	450	225	225	22	140	18			500	180	55	110	1/2"	1/2"	3/8"	390
KDN 200-500	4	250	200	185	670	400	580	140	250	190	800	400	400	660	330	330	27	140	18	15		500	180	55	110	1/2"	1/2"	3/8"	400
KDN 250-330	4	300	250	250	670	400	525	140	250	190	700	350	350	560	280	280	27	140	18			500	240	55	110	1/2"	1/2"	3/8"	410
KDN 250-400	5	300	250	225	780	400	600	125	250	190	690	345	345	560	280	280	27	140	18			545	180	65	140	1/2"	1/2"	3/8"	650
KDN 250-500	5	300	250	300	800	500	500	130	260	190	830	380	450	710	320	390	27	140	18		425	565	250	65	140	1/2"	1/2"	3/8"	700
KDN 250-500A	5	300	250	300	800	500	500	130	260	190	830	380	450	710	320	390	27	140	18		425	565	250	65	140	1/2"	1/2"	3/8"	700
KDN 300-330	4	350	300	300	720	500	670	150	360	280	900	450	450	750	375	375	27	140	18			550	240	55	110	1/2"	1/2"	3/8"	780
KDN 300-400	5	350	300	325	790	400	640	125	250	190	690	345	345	560	280	280	27	140	18			555	240	65	140	1/2"	1/2"	3/8"	800
KDN 300-400A	5	350	300	325	790	400	640	125	250	190	690	345	345	560	280	280	27	140	18			555	240	65	140	1/2"	1/2"	3/8"	800
KDN 300-400M	5	350	300	300	845	500	670	150	360	280	900	450	450	750	375	375	27	140	18			610	240	65	140	1/2"	1/2"	3/8"	900
KDN 350-500	6	400	350	380	1150	600	600	150	400	300	1000	450	550	850	375	475	27	140	18		450	800	380	110	210	1/2"	1/2"	3/8"	1080
KDN 350-500A	6	400	350	380	1150	600	600	150	400	300	1000	450	550	850	375	475	27	140	18		450	800	380	110	210	1/2"	1/2"	3/8"	1080

DAB PUMPS reserves the right to make modifications without notice

VERTICAL MULTISTAGE PUMPS

PERFORMANCE RANGE

MODEL	P2 NOMINAL		Q m^3/h l/min	0	0,6	1,2	1,8	2,4	3	3,3	3,9	4,8	5,4	6	7,2	8,4	9,6	10,8	12
	KW	HP		0	10	20	30	40	50	55	65	80	90	100	120	140	160	180	200
KVC-KVCX 15/30 M	0,25	0,33		22,4	21,2	19,2	16,7	13,8	9,9	7,6									
KVC-KVCX 15/30 T	0,25	0,33																	
KVC-KVCX 25/30 M	0,37	0,5		33,9	32,1	29,1	25,3	20,9	15,0	11,6									
KVC-KVCX 25/30 T	0,37	0,5																	
KVC-KVCX 35/30 M	0,45	0,6		45,6	43,2	39,1	34,1	28,2	20,2	15,6									
KVC-KVCX 35/30 T	0,45	0,6																	
KVC-KVCX 45/30 M	0,55	0,75		56,6	53,5	48,4	42,0	34,6	24,5	19,0									
KVC-KVCX 45/30 T	0,55	0,75																	
KVC-KVCX 50/30 M	0,75	1		69,8	66,2	59,9	52,2	43,1	30,9	23,9									
KVC-KVCX 50/30 T	0,75	1																	
KVC-KVCX 60/30 M	0,8	1,1		82,0	77,0	70,0	61,0	49,5	35,5	27,5									
KVC-KVCX 60/30 T	0,8	1,1																	
KVC-KVCX 70/30 M	1	1,36		95,0	90,0	81,5	71,0	58,7	42,0	32,5									
KVC-KVCX 70/30 T	1	1,36																	
KVC-KVCX 20/50 M	0,37	0,5		27,4	26,9	26,0	24,9	23,1	21,1	19,8	16,9	11,4							
KVC-KVCX 20/50 T	0,37	0,5																	
KVC-KVCX 30/50 M	0,55	0,75		41,1	40,3	39,0	37,3	34,7	31,6	29,7	25,3	17,1							
KVC-KVCX 30/50 T	0,55	0,75																	
KVC-KVCX 40/50 M	0,8	1,1		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9							
KVC-KVCX 40/50 T	0,8	1,1																	
KVC-KVCX 55/50 M	1	1,36		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6							
KVC-KVCX 55/50 T	1	1,36																	
KVC-KVCX 65/50 M	1,1	1,5		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3							
KVC-KVCX 65/50 T	1,1	1,5	H (m)																
KVC-KVCX 75/50 M	1,5	2		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0							
KVC-KVCX 75/50 T	1,5	2																	
KVC-KVCX 15/80 M	0,37	0,5		22,8	22,4	21,7	21,1	20,3	19,1	18,3	16,8	14,0	11,7	9,5	4,5				
KVC-KVCX 15/80 T	0,37	0,5																	
KVC-KVCX 20/80 M	0,55	0,75		34,6	34,0	33,0	32,1	30,9	29,2	28,0	25,8	21,7	18,3	14,9	7,5				
KVC-KVCX 20/80 T	0,55	0,75																	
KVC-KVCX 30/80 M	0,8	1,1		46,6	45,8	44,6	43,4	41,8	39,5	38,0	35,2	29,8	25,5	21,0	11,0				
KVC-KVCX 30/80 T	0,8	1,1																	
KVC-KVCX 40/80 M	1	1,36		58,8	57,9	56,5	55,0	53,1	50,3	48,5	45,0	38,4	33,1	27,6	15,1				
KVC-KVCX 40/80 T	1	1,36																	
KVC-KVCX 45/80 M	1,1	1,5		71,3	70,2	68,7	66,9	64,7	61,4	59,4	55,3	47,5	41,4	34,9	19,9				
KVC-KVCX 45/80 T	1,1	1,5																	
KVC-KVCX 55/80 M	1,5	2		84,0	82,8	81,2	79,2	76,6	72,9	70,7	66,0	57,1	50,3	42,8	25,5				
KVC-KVCX 55/80 T	1,5	2																	
KVC-KVCX 65/80 T	2,2	3		97,0	95,7	94,0	91,8	88,9	84,7	82,5	77,2	67,3	59,9	51,5	32,0				
KVC-KVCX 25/120 M	1	1,36		30,4	30,3	30,2	30,0	29,9	29,6	29,3	28,7	27,7	26,9	25,9	23,2	19,9	16,4	12,0	7,0
KVC-KVCX 25/120 T	1	1,36																	
KVC-KVCX 35/120 M	1,1	1,5		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	24,2	18,0	11,0
KVC-KVCX 35/120 T	1,1	1,5																	
KVC-KVCX 45/120 M	1,85	2,5		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	34,0	26,3	17,0
KVC-KVCX 45/120 T	1,85	2,5																	
KVC-KVCX 60/120 T	2,2	3		78,0	77,5	76,7	75,9	75,1	73,9	73,3	71,5	68,3	65,9	63,2	58,0	51,0	43,4	35,0	24,5
KVC-KVCX 70/120 T	3	4		95,0	94,3	93,4	92,5	91,4	89,8	88,9	86,8	83,2	80,5	77,9	71,7	63,9	54,7	44,0	31,0
KVC-KVCX 85/120 T	3	4		112,7	111,6	110,3	109,0	107,6	105,7	104,5	101,9	97,5	94,1	89,9	81,6	72,1	61,2	48,9	34,0

VERTICAL MULTISTAGE PUMPS
PERFORMANCE RANGE

MODEL		NOMINAL		Q (m³/h) (l/min)	0	1,8	3,6	5,4	7,2	8,4	10,2	12	13,8
SINGLEPHASE	THREEPHASE	kW	HP		0	30	60	90	120	140	170	200	230
KV 3/10 M	KV 3/10 T	1,1	1,5		88	77	63,5	45,7	21				
KV 3/12 M	KV 3/12 T	1,5	2		105,6	92,4	76,2	54,8	25,2				
KV 3/15 M	KV 3/15 T	1,85	2,5		132	115,5	95,3	68,6	31,5				
–	KV 3/18 T	2,2	3		158,4	138,6	114,3	82,3	37,8				
KV 6/7 M	KV 6/7 T	1,1	1,5		62,3	57,8	51,5	42,5	29,5	18,6			
KV 6/9 M	KV 6/9 T	1,5	2	H	80,1	74,3	66,2	54,6	38	23,9	16,4	12,0	
KV 6/11 M	KV 6/11 T	1,85	2,5	(m)	97,9	90,8	81	66,8	46,4	29,2	24,2	18,0	
–	KV 6/15 T	2,2	3		133,5	123,8	110,4	91,1	63,3	39,8	34,0	26,3	
KV 10/4 M	KV 10/4 T	1,1	1,5		38,2	37,4	36,2	34,4	32	29,7	25,5	20	12,6
KV 10/5 M	KV 10/5 T	1,5	2		47,8	46,8	45,2	43	40	37,2	31,9	25	15,8
KV 10/6 M	KV 10/6 T	1,85	2,5		57,3	56,1	54,2	51,6	48	44,6	38,2	30	18,9
–	KV 10/8 T	2,2	3		76,4	74,8	72,3	68,8	64	59,4	51	40	25,2

MODEL	NOMINAL		Q (m³/h) (l/min)	0	4	8	10	12	14	16	18	20	22	24	26	29
	kW	HP		0	66	132	167	200	233	264	300	334	367	400	433	483
NKV 10/2	0,75	1,1		20,2	20	18,3	15,8	12,5								
NKV 10/3	1,10	1,5		30,3	31	27,5	23,6	18,8								
NKV 10/4	1,50	2		40,4	41	36,7	31,5	25,1								
NKV 10/5	2,2	3		50,5	51	45,8	39,4	31,3								
NKV 10/6	2,2	3		60,5	61	55,0	47,3	37,6								
NKV 10/7	3,0	4		70,6	72	64,2	55,1	43,8								
NKV 10/8	3,0	4		80,7	82	73,3	63,0	50,1								
NKV 10/9	3,0	4	H	90,8	92	82,5	70,9	56,4								
NKV 10/10	4,0	5,5	(m)	100,9	102	91,7	78,8	62,6								
NKV 10/12	4,0	5,5		121,1	123	110,0	94,5	75,2								
NKV 10/14	5,5	7,5		141,3	143	128,3	110,3	87,7								
NKV 10/16	5,5	7,5		161,5	164	146,7	126,0	100,2								
NKV 10/18	7,5	10		181,6	184	165,0	141,8	112,7								
NKV 10/20	7,5	10		201,8	205	183,3	157,5	125,3								
NKV 10/22	7,5	10		222	225	202	173,3	137,8								
NKV 15/2	2,20	3		27,2	26,7	26	26,1	25,5	24,5	23,2	21,6	19,8	17,4	14,6		
NKV 15/3	3,00	4		40,8	40,0	40	39,1	38,3	36,8	34,8	32,5	29,7	26,1	21,9		
NKV 15/4	4,00	5,5		54,4	53,4	53	52,1	51,0	49,0	46,4	43,3	39,6	34,8	29,2		
NKV 15/5	4,00	5,5		68,0	66,7	66	65,2	63,8	61,3	58,1	54,1	49,5	43,5	36,5		
NKV 15/6	5,5	7,5		81,6	80,1	79	78,2	76,5	73,6	69,7	64,9	59,4	52,2	43,8		
NKV 15/7	5,5	7,5		95,2	93,4	92	91,2	89,3	85,8	81,3	75,8	69,3	60,9	51,1		
NKV 15/8	7,5	10	H	108,8	106,8	106	104,3	102,0	98,1	92,9	86,6	79,2	69,6	58,4		
NKV 15/9	7,5	10	(m)	122,4	120,1	119	117,3	114,8	110,3	104,5	97,4	89,1	78,4	65,7		
NKV 15/10	11,0	15		136,0	133,5	132	130,4	127,5	122,6	116,1	108,2	99,0	87,1	73,0		
NKV 15/12	11,0	15		163,2	160,2	158	156,4	153,0	147,1	139,3	129,9	118,8	104,5	87,6		
NKV 15/14	11,0	15		190,4	186,9	185	182,5	178,5	171,6	162,6	151,5	138,6	121,9	102,2		
NKV 15/16	15,0	20		217,6	213,6	211	208,6	204,0	196,1	185,8	173,2	158,4	139,3	116,8		
NKV 15/17	15,0	20		231,2	226,9	225	221,6	216,75	208,4	197,4	184	168,3	148	124,1		
NKV 20/2	2,20	3		29,3	28,8	28,8	28,6	28	27,6	26,9	25,9	24,6	22,9	21,2	19,1	15,8
NKV 20/3	4,00	5,5		43,9	43,2	43,1	42,9	42	41,5	40,4	38,8	36,9	34,4	31,8	28,7	23,6
NKV 20/4	5,50	7,5		58,6	57,6	57,5	57,2	56	55,3	53,8	51,8	49,2	45,9	42,4	38,2	31,5
NKV 20/5	5,50	7,5		73,2	71,9	71,9	71,5	71	69,1	67,3	64,7	61,5	57,4	52,9	47,8	39,4
NKV 20/6	7,5	10		87,9	86,3	86,3	85,8	85	82,9	80,7	77,7	73,8	68,8	63,5	57,4	47,3
NKV 20/7	7,5	10		102,5	100,7	100,6	100,1	99	96,8	94,2	90,6	86,1	80,3	74,1	66,9	55,2
NKV 20/8	11,0	15	H	117,2	115,1	115,0	114,4	113	110,6	107,6	103,6	98,4	91,8	84,7	76,5	63,1
NKV 20/9	11,0	15	(m)	131,8	129,5	129,4	128,8	127	124,4	121,1	116,5	110,8	103,2	95,3	86,0	70,9
NKV 20/10	11,0	15		146,5	143,9	143,8	143,1	141	138,2	134,5	129,5	123,1	114,7	105,9	95,6	78,8
NKV 20/12	15,0	20		175,8	172,7	172,5	171,7	169	165,9	161,4	155,4	147,7	137,6	127,1	114,7	94,6
NKV 20/14	15,0	20		205,1	201,4	201,3	200,3	198	193,5	188,3	181,3	172,3	160,6	148,2	133,8	110,4
NKV 20/16	18,5	25		234,4	230,2	230,0	228,9	226	221,2	215,2	207,2	196,9	183,5	169,4	152,9	126,1
NKV 20/17	18,5	25		249	244,6	244,4	243,2	240	235	228,7	220,1	209,2	195	180	162,5	134

MODEL	NOMINAL		Q (m³/h) (l/min)	0	5,4	7,2	8,4	10,2	12	13,8	15	18	21	24	27	30	36	42	45
	kW	HP		0	90	120	140	170	200	230	250	300	350	400	450	500	600	700	750
KV 50/2 T	7,5	10		59					53,4	52,5	52	50,8	49,2	47,6	45,6	43,6	38,2	31	26,4
KV 50/3 T	9,2	12,5		88,5					80,1	79	78	76,2	73,8	71,4	68,4	65,4	57,3	46,5	39,6
KV 50/4 T	11	15		118					106,8	105	104	101,6	98,4	95,2	91,2	87,2	76,4	62	52,8
KV 50/5 T	15	20	H	147,5					133,5	131	130	127	123	119	114	109	95,5	77,5	66
KV 50/6 T	18,5	25	(m)	177					160,2	15,8	156	152,4	147,6	142,8	136,8	130,8	114,6	93	79,2
KV 50/7 T	22	30		206,5					186,9	184	182	177,8	172,2	166,6	159,6	152,6	133,7	108,5	92,4
KV 50/8 T	22	30		236					213,6	212	208	203,2	196,8	190,4	182,4	174,4	152,8	124	105,6
KV 50/9 T	30	40		265,5					240,3	238	234	228,6	221,4	214,2	205,2	196,2	171,9	139,5	118,8

KVC / KVCX

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS



ENERGY EFFICIENCY IE2

CE

CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

Vertical multistage centrifugal pump suitable for use in small and medium water supply installations.
Suitable for pressurization units, surge tank supply, rain irrigation and crop-dusting systems, fire-fighting and washing systems, conveyance of condensate and cooling water. Innovative and robust design.
Technopolymer discharge/suction bodies and in-line suction and discharge ports with threaded metal insert.
Impellers, diffuser bodies and diffusers in technopolymer, fully rust-proof. Stainless steel AISI 303 pump jacket, adjustment rings and seal disk.
Carbon/ceramic mechanical seal, fitted on the AISI 303 stainless-steel drive shaft extension.
Asynchronous, closed motor cooled by external ventilation.
Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Built-in thermal and current overload protection and a capacitor permanently on in the singlephase
version. Protection for the three-phase version is the responsibility of the user.
Built in CEI 2-3/CEI 61/69 (EN 60335-2-41) standards.

Level of protection: IP 55.
Insulation class: F.
Standard voltage:
Single-phase 220-240 V / 50 Hz.
Three-phase 230-400 V / 50 Hz.
Operating range: from 50 to 200 litre/min. with head up to 113 m.
Pumped liquid: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.
Liquid temperature range:
from 0°C to +35°C for domestic use
(EN 60335-2-41 safety standards).
from 0°C to +40°C for other uses.
Maximum ambient temperature: +40°C
Maximum working pressure: 12 bar (1200 kPa).
Installation: fixed, in vertical or horizontal position.
Providing that the motor is positioned above the pump.
Special versions on request: other voltages and/or frequencies.

TECHNICAL DATA - KVC - 2 POLES

MODEL	CODE	ELECTRICAL DATA							
		N° IMPELLER	VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
KVC 15-30 M	102990320	2	1 x 230 V ~	0,36	0,25	0,33	1,6	14	450
KVC 15-30 T	102990330	2	3 x 230 - 400 V ~	0,45	0,25	0,33	1,4-0,8	-	-
KVC 25-30 M	102990340	3	1 x 230 V ~	0,52	0,37	0,5	2,4	14	450
KVC 25-30 T	102990350	3	3 x 230 - 400 V ~	0,54	0,37	0,5	1,7-1,0	-	-
KVC 35-30 M	102990000	4	1 x 230 V ~	0,7	0,45	0,6	3,2	14	450
KVC 35-30 T	102990010	4	3 x 230 - 400 V ~	0,64	0,45	0,6	2,1-1,2	-	-
KVC 45-30 M	102990020	5	1 x 230 V ~	0,9	0,55	0,75	4	14	450
KVC 45-30 T	102990030	5	3 x 230 - 400 V ~	0,75	0,55	0,75	2,4-1,4	-	-
KVC 50-30 M	102990040	6	1 x 230 V ~	1,1	0,75	1	4,9	16	450
KVC 50-30 T*	60145203	6	3 x 230 - 400 V ~	0,97	0,75	1	3,1-1,8	-	-
KVC 60-30 M	102990060	7	1 x 230 V ~	1,2	0,8	1,1	5,6	20	450
KVC 60-30 T*	60145204	7	3 x 230 - 400 V ~	1,2	0,8	1,1	3,8-2,2	-	-
KVC 70-30 M	102990080	8	1 x 230 V ~	1,4	1	1,36	6,5	25	450
KVC 70-30 T*	60145302	8	3 x 230 - 400 V ~	1,4	1	1,36	4,4-2,6	-	-
KVC 20-50 M	102990360	2	1 x 230 V ~	0,55	0,37	0,5	2,5	14	450
KVC 20-50 T	102990370	2	3 x 230 - 400 V ~	0,54	0,37	0,5	1,7-1,0	-	-
KVC 30-50 M	102990100	3	1 x 230 V ~	0,9	0,55	0,75	4	14	450
KVC 30-50 T	102990110	3	3 x 230 - 400 V ~	0,75	0,55	0,75	2,4-1,4	-	-
KVC 40-50 M	102990120	4	1 x 230 V ~	1,2	0,8	1,1	5,6	20	450
KVC 40-50 T*	60145303	4	3 x 230 - 400 V ~	1,2	0,8	1,1	3,8-2,2	-	-
KVC 55-50 M	102990140	5	1 x 230 V ~	1,4	1	1,36	6,4	25	450
KVC 55-50 T*	60145304	5	3 x 230 - 400 V ~	1,4	1	1,36	4,4-2,6	-	-
KVC 65-50 M	102990160	6	1 x 230 V ~	1,7	1,1	1,5	7,4	31,5	450
KVC 65-50 T*	60145878	6	3 x 230 - 400 V ~	1,7	1,1	1,5	5,4-3,1	-	-
KVC 75-50 M	102990180	7	1 x 230 V ~	2	1,5	2	9	31,5	450

*** NEW IE2 MOTOR**

TECHNICAL DATA - KVC

MODEL	CODE	ELECTRICAL DATA							
		N° IMPELLER	VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
KVC 75-50 T*	60145879	7	3 x 230 - 400 V ~	1,9	1,5	2	6,2-3,6	-	-
KVC 15-80 M	102990380	2	1 x 230 V ~	0,55	0,37	0,5	2,5	14	450
KVC 15-80 T	102990390	2	3 x 230 - 400 V ~	0,54	0,37	0,5	1,7-1,0	-	-
KVC 20-80 M	102990200	3	1 x 230 V ~	0,9	0,55	0,75	4,1	14	450
KVC 20-80 T	102990210	3	3 x 230 - 400 V ~	0,75	0,55	0,75	2,4-1,4	-	-
KVC 30-80 M	102990220	4	1 x 230 V ~	1,2	0,8	1,1	5,6	20	450
KVC 30-80 T*	60145305	4	3 x 230 - 400 V ~	1,2	0,8	1,1	3,8-2,2	-	-
KVC 40-80 M	102990240	5	1 x 230 V ~	1,4	1	1,36	6,5	25	450
KVC 40-80 T*	60145306	5	3 x 230 - 400 V ~	1,4	1	1,36	4,4-2,6	-	-
KVC 45-80 M	102990260	6	1 x 230 V ~	1,7	1,1	1,5	7,4	31,5	450
KVC 45-80 T*	60145880	6	3 x 230 - 400 V ~	1,7	1,1	1,5	5,4-3,1	-	-
KVC 55-80 M	102990280	7	1 x 230 V ~	2	1,5	2	9	31,5	450
KVC 55-80 T*	60145881	7	3 x 230 - 400 V ~	1,9	1,5	2	6,2-3,6	-	-
KVC 65-80 T*	60145913	8	3 x 230 - 400 V ~	2,2	2,2	3	6,9-4	-	-
KVC 25-120 M	102990400	2	1 x 230 V ~	1,5	1	1,36	6,5	25	450
KVC 25-120 T*	60145816	2	3 x 230 - 400 V ~	1,5	1	1,36	5-2,9	-	-
KVC 35-120 M	102990420	3	1 x 230 V ~	1,9	1,1	1,5	7,4	31,5	450
KVC 35-120 T*	60145817	3	3 x 230 - 400 V ~	1,9	1,1	1,5	6-3,5	-	-
KVC 45-120 M	102990440	4	1 x 230 V ~	2,6	1,85	2,5	12	40	450
KVC 45-120 T*	60145960	4	3 x 230 - 400 V ~	2,5	1,85	2,5	7,9-4,6	-	-
KVC 60-120 T*	60145961	5	3 x 230 - 400 V ~	3,1	2,2	3	9,3-5,4	-	-
KVC 70-120 T*	60146006	6	3 x 230 - 400 V ~	3,8	3	4	11,8-6,8	-	-
KVC 85-120 T*	60146007	7	3 x 230 - 400 V ~	4,3	3	4	13,5-7,8	-	-

* NEW IE2 MOTOR

TECHNICAL DATA - KVCX

MODEL	CODE	ELECTRICAL DATA							
		N° IMPELLER	VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
KVCX 15-30 M	102980320	2	1 x 230 V ~	0,36	0,25	0,33	1,6	14	450
KVCX 15-30 T	102980330	2	3 x 230 - 400 V ~	0,45	0,25	0,33	1,4-0,8	-	-
KVCX 25-30 M	102980340	3	1 x 230 V ~	0,52	0,37	0,5	2,4	14	450
KVCX 25-30 T	102980350	3	3 x 230 - 400 V ~	0,54	0,37	0,5	1,7-1,0	-	-
KVCX 35-30 M	102980000	4	1 x 230 V ~	0,7	0,45	0,6	3,2	14	450
KVCX 35-30 T	102980010	4	3 x 230 - 400 V ~	0,64	0,45	0,6	2,1-1,2	-	-
KVCX 45-30 M	102980020	5	1 x 230 V ~	0,9	0,55	0,75	4	14	450
KVCX 45-30 T	102980030	5	3 x 230 - 400 V ~	0,75	0,55	0,75	2,4-1,4	-	-
KVCX 50-30 M	102980040	6	1 x 230 V ~	1,1	0,75	1	4,9	16	450
KVCX 50-30 T*	60145199	6	3 x 230 - 400 V ~	0,97	0,75	1	3,1-1,8	-	-
KVCX 60-30 M	102980060	7	1 x 230 V ~	1,2	0,8	1,1	5,6	20	450
KVCX 60-30 T*	60145201	7	3 x 230 - 400 V ~	1,2	0,8	1,1	3,8-2,2	-	-
KVCX 70-30 M	102980080	8	1 x 230 V ~	1,4	1	1,36	6,5	25	450
KVCX 70-30 T*	60145291	8	3 x 230 - 400 V ~	1,4	1	1,36	4,4-2,6	-	-
KVCX 20-50 M	102980360	2	1 x 230 V ~	0,55	0,37	0,5	2,5	14	450
KVCX 20-50 T	102980370	2	3 x 230 - 400 V ~	0,54	0,37	0,5	1,7-1,0	-	-

* NEW IE2 MOTOR

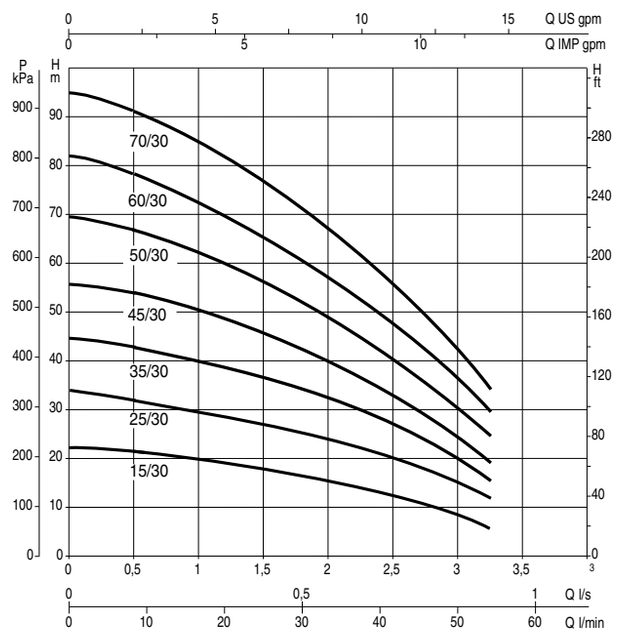
DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - KVCX

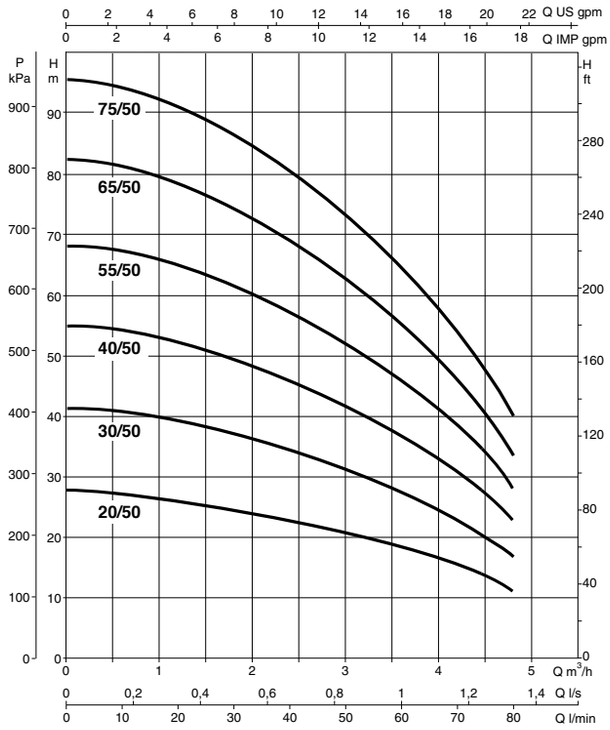
MODEL	CODE	ELECTRICAL DATA								
		N° IMPELLER	VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
KVCX 30-50 M	102980100	3	1 x 230 V ~	0,9	0,55	0,75	4	14	450
KVCX 30-50 T	102980110	3	3 x 230 - 400 V ~	0,75	0,55	0,75	2,4-1,4	-	-
KVCX 40-50 M	102980120	4	1 x 230 V ~	1,2	0,8	1,1	5,6	20	450
KVCX 40-50 T*	60145293	4	3 x 230 - 400 V ~	1,2	0,8	1,1	3,8-2,2	-	-
KVCX 55-50 M	102980140	5	1 x 230 V ~	1,4	1	1,36	6,4	25	450
KVCX 55-50 T*	60145295	5	3 x 230 - 400 V ~	1,4	1	1,36	4,4-2,6	-	-
KVCX 65-50 M	102980160	6	1 x 230 V ~	1,7	1,1	1,5	7,4	31,5	450
KVCX 65-50 T*	60145869	6	3 x 230 - 400 V ~	1,7	1,1	1,5	5,4-3,1	-	-
KVCX 75-50 M	102980180	7	1 x 230 V ~	2	1,5	2	9	31,5	450
KVCX 75-50 T*	60145871	7	3 x 230 - 400 V ~	1,9	1,5	2	6,2-3,6	-	-
KVCX 15-80 M	102980380	2	1 x 230 V ~	0,55	0,37	0,5	2,5	14	450
KVCX 15-80 T	102980390	2	3 x 230 - 400 V ~	0,54	0,37	0,5	1,7-1,0	-	-
KVCX 20-80 M	102980200	3	1 x 230 V ~	0,9	0,55	0,75	4,1	14	450
KVCX 20-80 T	102980210	3	3 x 230 - 400 V ~	0,75	0,55	0,75	2,4-1,4	-	-
KVCX 30-80 M	102980220	4	1 x 230 V ~	1,2	0,8	1,1	5,6	20	450
KVCX 30-80 T*	60145297	4	3 x 230 - 400 V ~	1,2	0,8	1,1	3,8-2,2	-	-
KVCX 40-80 M	102980240	5	1 x 230 V ~	1,4	1	1,36	6,5	25	450
KVCX 40-80 T*	60145299	5	3 x 230 - 400 V ~	1,4	1	1,36	4,4-2,6	-	-
KVCX 45-80 M	102980260	6	1 x 230 V ~	1,7	1,1	1,5	7,4	31,5	450
KVCX 45-80 T*	60145873	6	3 x 230 - 400 V ~	1,7	1,1	1,5	5,4-3,1	-	-
KVCX 55-80 M	102980280	7	1 x 230 V ~	2	1,5	2	9	31,5	450
KVCX 55-80 T*	60145875	7	3 x 230 - 400 V ~	1,9	1,5	2	6,2-3,6	-	-
KVCX 65-80 T*	60145911	8	3 x 230 - 400 V ~	2,2	2,2	3	6,9-4	-	-
KVCX 25-120 M	102980400	2	1 x 230 V ~	1,5	1	1,36	6,5	25	450
KVCX 25-120 T*	60145811	2	3 x 230 - 400 V ~	1,5	1	1,36	5-2,9	-	-
KVCX 35-120 M	102980420	3	1 x 230 V ~	1,9	1,1	1,5	7,4	31,5	450
KVCX 35-120 T*	60145813	3	3 x 230 - 400 V ~	1,9	1,1	1,5	6-3,5	-	-
KVCX 45-120 M	102980440	4	1 x 230 V ~	2,6	1,85	2,5	12	40	450
KVCX 45-120 T*	60145949	4	3 x 230 - 400 V ~	2,5	1,85	2,5	7,9-4,6	-	-
KVCX 60-120 T*	60145952	5	3 x 230 - 400 V ~	3,1	2,2	3	9,3-5,4	-	-
KVCX 70-120 T*	60146000	6	3 x 230 - 400 V ~	3,8	3	4	11,8-6,8	-	-
KVCX 85-120 T*	60146002	7	3 x 230 - 400 V ~	4,3	3	4	13,5-7,8	-	-

*** NEW IE2 MOTOR**

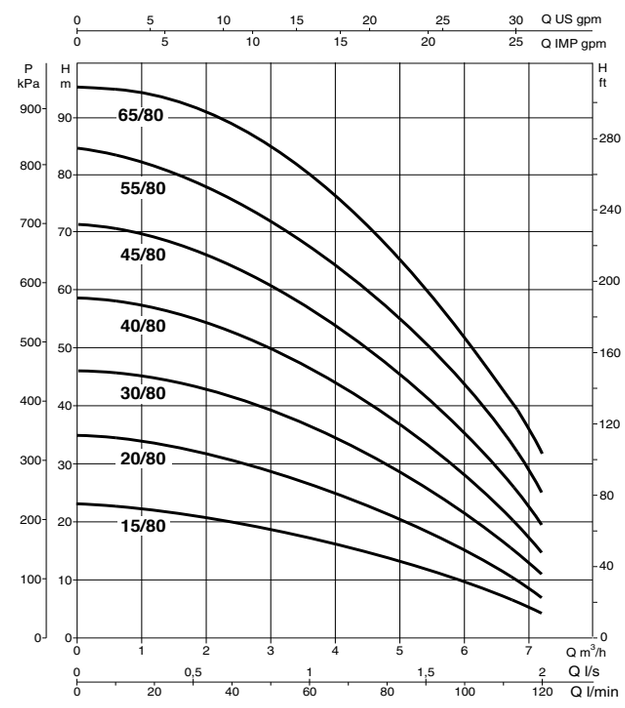
KVC /KVCX 30



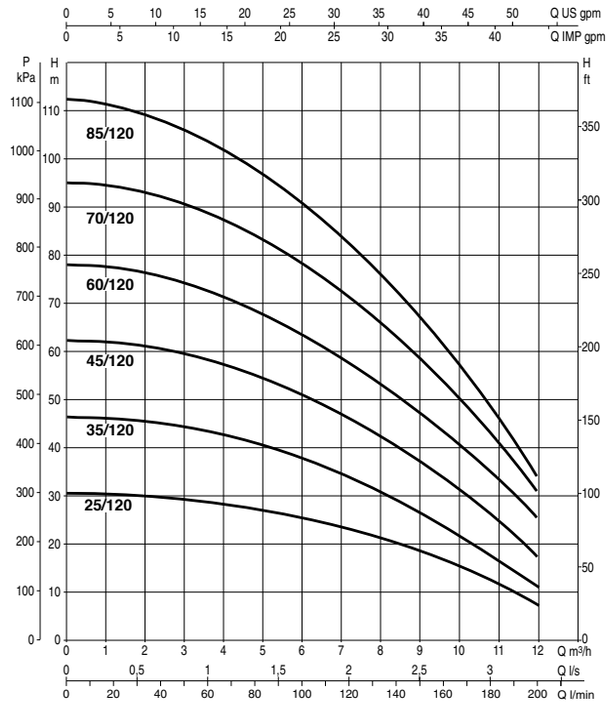
KVC /KVCX 50



KVC /KVCX 80

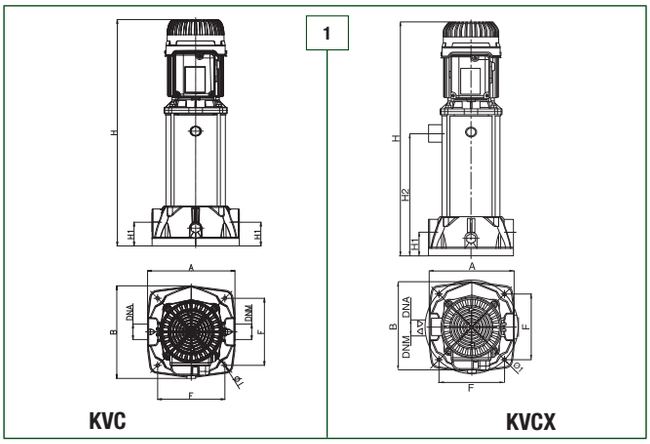


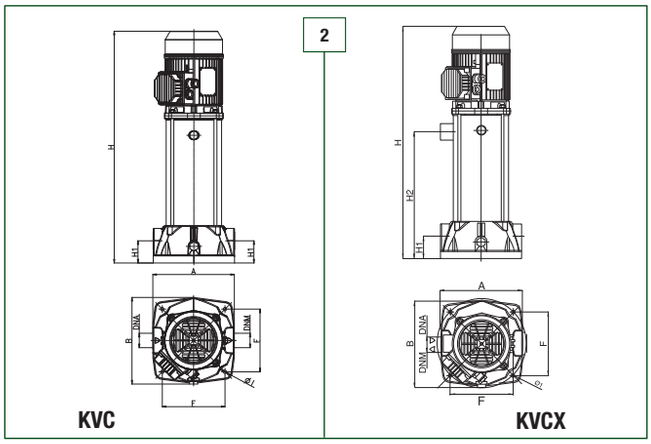
KVC /KVCX 120



KVC - KVCX

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS





MODEL	EXTERNAL DESIGN	A	B	F	H	H1	H2	Ø I	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT KG	
											L/A	L/B	H	single-phase	three-phase
KVC 15/30	1	221	235	170	450	60	-	9	1" 1/4	1" 1/4	300	360	540	14,0	-
KVC 25/30	1	221	235	170	478	60	-	9	1" 1/4	1" 1/4	300	360	568	14,4	-
KVC 35/30	1	221	235	170	505	60	-	9	1" 1/4	1" 1/4	300	360	595	14,0	-
KVC 45/30	1	221	235	170	533	60	-	9	1" 1/4	1" 1/4	300	360	623	14,4	-
KVC 50/30	1	221	235	170	598	60	-	9	1" 1/4	1" 1/4	300	360	688	16,2	-
KVC 60/30	1	221	235	170	625	60	-	9	1" 1/4	1" 1/4	300	360	715	17,2	-
KVC 70/30	1	221	235	170	653	60	-	9	1" 1/4	1" 1/4	300	360	743	18,4	-
KVCX 15/30	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	14,0	-
KVCX 25/30	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	14,4	
KVCX 35/30	1	221	235	170	533	60	239	9	1" 1/4	1" 1/4	300	360	623	14,0	-
KVCX 45/30	1	221	235	170	533	60	239	9	1" 1/4	1" 1/4	300	360	623	14,4	-
KVCX 50/30	1	221	235	170	625	60	332	9	1" 1/4	1" 1/4	300	360	715	16,2	-
KVCX 60/30	1	221	235	170	625	60	332	9	1" 1/4	1" 1/4	300	360	715	17,2	-
KVCX 70/30	1	221	235	170	653	60	359	9	1" 1/4	1" 1/4	300	360	743	18,4	-
KVC 20/50	1	221	235	170	450	60	-	9	1" 1/4	1" 1/4	300	360	540	13,5	13,5
KVC 30/50	1	221	235	170	478	60	-	9	1" 1/4	1" 1/4	300	360	568	13,7	13,7
KVC 40/50	1	221	235	170	505	60	-	9	1" 1/4	1" 1/4	300	360	595	15,8	15,8
KVC 55/50	1	221	235	170	533	60	-	9	1" 1/4	1" 1/4	300	360	623	17,0	17,0
KVC 65/50	1	221	235	170	600	60	-	9	1" 1/4	1" 1/4	300	360	690	20,2	19,8
KVC 75/50	1	221	235	170	627	60	-	9	1" 1/4	1" 1/4	300	360	717	21,2	20,6
KVCX 20/50	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	13,5	13,5
KVCX 30/50	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	13,7	13,7
KVCX 40/50	1	221	235	170	533	60	239	9	1" 1/4	1" 1/4	300	360	623	15,8	15,8
KVCX 55/50	1	221	235	170	533	60	239	9	1" 1/4	1" 1/4	300	360	623	17,0	17,0
KVCX 65/50	2	221	235	170	627	60	332	9	1" 1/4	1" 1/4	300	360	717	20,2	19,8
KVCX 75/50	2	221	235	170	627	60	332	9	1" 1/4	1" 1/4	300	360	717	21,2	20,6
KVC 15/80	1	221	235	170	450	60	-	9	1" 1/4	1" 1/4	300	360	540	13,5	13,5
KVC 20/80	1	221	235	170	478	60	-	9	1" 1/4	1" 1/4	300	360	568	13,7	13,7
KVC 30/80	1	221	235	170	505	60	-	9	1" 1/4	1" 1/4	300	360	595	15,7	15,5
KVC 40/80	1	221	235	170	533	60	-	9	1" 1/4	1" 1/4	300	360	623	17,0	17,0
KVC 45/80	2	221	235	170	600	60	-	9	1" 1/4	1" 1/4	300	360	690	20,1	20,2
KVC 55/80	2	221	235	170	627	60	-	9	1" 1/4	1" 1/4	300	360	717	21,0	20,0
KVC 65/80	1	221	235	170	655	60	-	9	1" 1/4	1" 1/4	300	360	745	-	21,6
KVCX 15/80	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	13,5	13,5
KVCX 20/80	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	13,7	13,7
KVCX 30/80	1	221	235	170	533	60	239	9	1" 1/4	1" 1/4	300	360	623	15,7	15,5
KVCX 40/80	2	221	235	170	533	60	239	9	1" 1/4	1" 1/4	300	360	623	17,0	17,0
KVCX 45/80	2	221	235	170	627	60	332	9	1" 1/4	1" 1/4	300	360	717	20,1	20,2
KVCX 55/80	2	221	235	170	627	60	332	9	1" 1/4	1" 1/4	300	360	717	21,0	20,0
KVCX 65/80	1	221	235	170	655	60	359	9	1" 1/4	1" 1/4	300	360	745	-	21,6
KVC 25/120 *	1	221	235	170	450	60	-	9	1" 1/4	1" 1/4	300	360	540	17	17,1
KVC 35/120 *	1	221	235	170	480	60	-	9	1" 1/4	1" 1/4	300	360	570	20,1	20,2
KVC 45/120 *	1	221	235	170	507	60	-	9	1" 1/4	1" 1/4	300	360	597	21,9	22,0
KVC 60/120	2	221	235	170	610	60	-	9	1" 1/4	1" 1/4	300	360	700	-	24,0
KVC 70/120	2	221	235	170	675	60	-	9	1" 1/4	1" 1/4	300	360	765	-	26
KVC 85/120	2	221	235	170	702	60	-	9	1" 1/4	1" 1/4	300	360	792	-	26,5
KVCX 25/120 *	1	221	235	170	478	60	184	9	1" 1/4	1" 1/4	300	360	568	17	17,1
KVCX 35/120 *	2	221	235	170	480	60	184	9	1" 1/4	1" 1/4	300	360	570	20,1	20,2
KVCX 45/120 *	2	221	235	170	535	60	239	9	1" 1/4	1" 1/4	300	360	625	21,9	22,0
KVCX 60/120	2	221	235	170	610	60	239	9	1" 1/4	1" 1/4	300	360	610	-	24,0
KVCX 70/120	2	221	235	170	702	60	332	9	1" 1/4	1" 1/4	300	360	702	-	26
KVCX 85/120	2	221	235	170	702	60	332	9	1" 1/4	1" 1/4	300	360	702	-	26,5

* H valid only for three-phase versions

KV 3 / KV 6 / KV 10

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS



ENERGY EFFICIENCY IE2

CE

CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

Cast iron discharge and suction bodies treated against corrosion. Technopolymer impellers, diffuser bodies and diffusers. AISI 304 stainless steel pump liner and wear rings. AISI 416 stainless steel pump shaft and AISI 316 stainless steel sliding bush. Bronze sliding bush guide, self-lubricated by the pumped liquid itself.
Carbon/ceramic mechanical seal. Connected to the motor with a rigid coupling.
Supplied standard with threaded counterflanges. Induction motor, closed and cooled with external ventilation. Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life. Built-in thermal and current overload protection in the single-phase version. Three-phase motors should be protected with a suitable overload protection complying with the regulations in force.

Operating range: from 1,8 to 13,5 m³/h with head up to 139 metres.
Liquid temperature range:
from 0°C to +35°C for domestic use.
from -15°C to +110°C for other uses.
Liquid quality requirements: clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallized, chemically neutral, close to the characteristics of water.
Maximum ambient temperature: + 40°C.
Maximum operating pressure: 18 bar (1800 kPA).
Motor protection: IP 55.
Insulation class: F.
Installation: fixed, in a vertical position.

TECHNICAL DATA

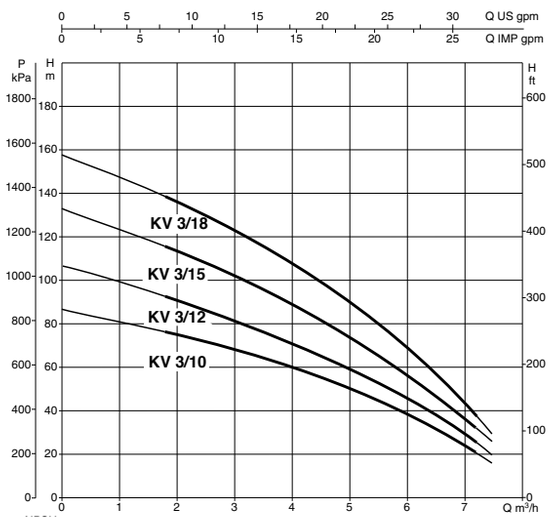
MODEL	CODE	ELECTRICAL DATA					
		VOLTAGE 50 Hz	P2 NOMINAL		In A	CAPACITOR	
			kW	HP		µF	Vc
KV 3/10 M	102491140	1 x 230 V ~	1,1	1,5	7,8	31,5	450
KV 3/10 T*	60145803	3 x 230 - 400 V ~	1,1	1,5	5,6-3,2	-	-
KV 3/12 M	102491170	1 x 230 V ~	1,5	2	9,6	40	450
KV 3/12 T*	60145861	3 x 230 - 400 V ~	1,5	2	6,4-3,7	-	-
KV 3/15 M	102491190	1 x 230 V ~	1,85	2,5	11,3	40	450
KV 3/15 T*	60145943	3 x 230 - 400 V ~	1,85	2,5	7,5-4,3	-	-
KV 3/18 T*	60145986	3 x 230 - 400 V ~	2,2	3	10-5,8	-	-
KV 6/7 M	102491300	1 x 230 V ~	1,1	1,5	7,5	31,5	450
KV 6/7 T*	60145804	3 x 230 - 400 V ~	1,1	1,5	5-2,9	-	-
KV 6/9 M	102491340	1 x 230 V ~	1,5	2	9,4	40	450
KV 6/9 T*	60145862	3 x 230 - 400 V ~	1,5	2	6,2-3,6	-	-
KV 6/11 M	102491380	1 x 230 V ~	1,85	2,5	11,1	40	450
KV 6/11 T*	60145863	3 x 230 - 400 V ~	1,85	2,5	7,3-4,2	-	-
KV 6/15 T*	60145987	3 x 230 - 400 V ~	2,2	3	11-6,3	-	-
KV 10/4 M	102491640	1 x 230 V ~	1,1	1,5	8,3	31,5	450
KV 10/4 T*	60145805	3 x 230 - 400 V ~	1,1	1,5	6,1-3,5	-	-
KV 10/5 M	102491660	1 x 230 V ~	1,5	2	10,4	40	450
KV 10/5 T*	60145864	3 x 230 - 400 V ~	1,5	2	6,8-3,9	-	-
KV 10/6 M	102491680	1 x 230 V ~	1,85	2,5	12,5	40	450
KV 10/6 T*	60145944	3 x 230 - 400 V ~	1,85	2,5	8,7-5	-	-
KV 10/8 T*	60145988	3 x 230 - 400 V ~	2,2	3	11,8-6,8	-	-

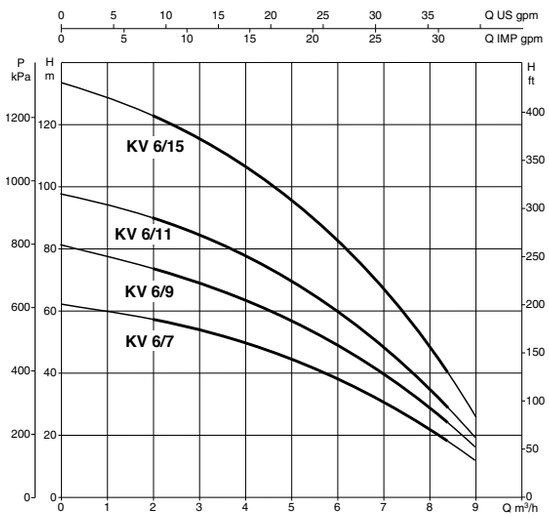
*** NEW IE2 MOTOR**

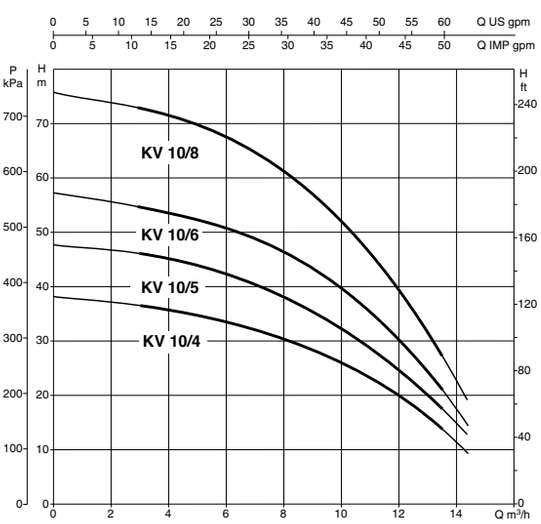
DAB PUMPS reserves the right to make modifications without notice

KV 3 - KV 6 - KV 10

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

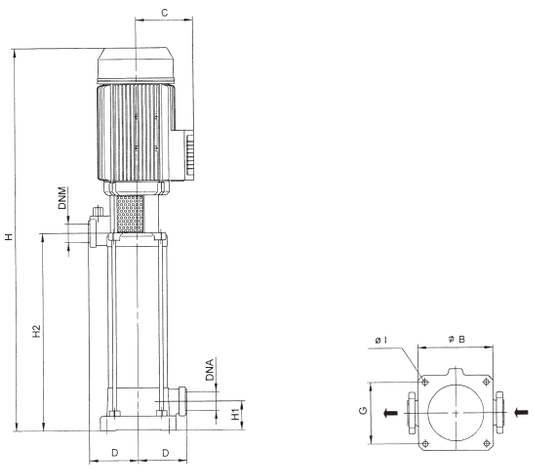






KV 3 - KV 6 - KV 10

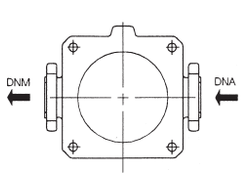
MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS



MODEL	B	C	D	G	IØ	H	H1	H2	DNA	DNM	WEIGHT KG
KV 3/10 M	155	111	100	127	11	779	60	472	1 1/4	1 1/4	27,2
KV 3/10 T	155	111	100	127	11	779	60	472	1 1/4	1 1/4	26,3
KV 3/12 M	155	116	100	127	11	917	60	536	1 1/4	1 1/4	30,6
KV 3/12 T	155	111	100	127	11	843	60	536	1 1/4	1 1/4	28
KV 3/15 M	155	116	100	127	11	1013	60	632	1 1/4	1 1/4	33
KV 3/15 T	155	116	100	127	11	1013	60	632	1 1/4	1 1/4	31,9
KV 3/18 T	155	116	100	127	11	1109	60	728	1 1/4	1 1/4	35,8
KV 6/7 M	155	111	100	127	11	683	60	376	1 1/4	1 1/4	26,1
KV 6/7 T	155	111	100	127	11	683	60	376	1 1/4	1 1/4	25,2
KV 6/9 M	155	116	100	127	11	821	60	440	1 1/4	1 1/4	29
KV 6/9 T	155	111	100	127	11	747	60	440	1 1/4	1 1/4	26,8
KV 6/11 M	155	116	100	127	11	885	60	504	1 1/4	1 1/4	31,3
KV 6/11 T	155	116	100	127	11	885	60	504	1 1/4	1 1/4	27,7
KV 6/15 T	155	116	100	127	11	1013	60	632	1 1/4	1 1/4	34,5
KV 10/4 M	155	111	100	127	11	587	60	280	1 1/4	1 1/4	27,2
KV 10/4 T	155	111	100	127	11	587	60	280	1 1/4	1 1/4	26,3
KV 10/5 M	155	116	100	127	11	693	60	312	1 1/4	1 1/4	30,6
KV 10/5 T	155	111	100	127	11	619	60	312	1 1/4	1 1/4	28
KV 10/6 M	155	116	100	127	11	725	60	344	1 1/4	1 1/4	33
KV 10/6 T	155	111	100	127	11	725	60	344	1 1/4	1 1/4	31,9
KV 10/8 T	155	116	100	127	11	789	60	408	1 1/4	1 1/4	35,8

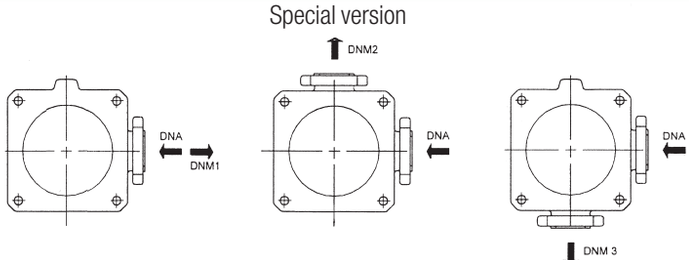
POSITION OF THE SUCTION AND DELIVERY CONNECTORS:

Standard version



DNA-DNM

Special version



DNA-DNM1 DNA-DNM2 DNA-DNM3

NKV 10 / NKV 15 / NKV 20

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS



CE

CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

Vertical multistage centrifugal pump suitable in medium and large water supplies.
It is ideal for pressure sets, boiler feed and hot water circulation, conveying condensate and cooling water, fire fighting and washing systems, supplying drinking water and feeding pressurised tanks, sprinkler and spraying irrigation systems.
All the parts in contact with liquid are stainless.
AISI 304 stainless steel internal pump body and AISI 304 stainless steel ULTEM, impellers, pump shaft and base liner.
Cast iron external pump body treated with ataphoresis, cast iron support.
"Cartridge" silicon/silicon mechanical seal exempt from maintenance.
Connected to the motor with a rigid coupling.

Motor protection: IP 55.
Insulation class: F.
Standard voltage:
three-phases 230-400 V / 50 Hz up to 4 kW included.
three-phases 400 V Δ / 50 Hz on the top of 4 kW.
Operating range: from 4 to 29 m^3/h with head up to 249 meters.
Pumped liquid: without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.
Liquid temperature range: from -20°C to +90°C.
Maximum ambient temperature: +40°C.
Maximum working pressure: 25 bar (2500 kPa).
Installation: fixed, vertical mounting.
Special version on demand: different voltage supply and/or feeding frequence 60 hz version EFF 1 motor, and anti-deflagrating version.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P2 NOMINAL		In A	I st. A	1/min	cos
			kW	HP				
NKV 10/2 T*	**60144697**	3 x 230 - 400 V ~	0,75	1,1	3,10 / 1,80	20/11,5	2790-2850	0,85-0,82
NKV 10/3 T*	**60144698**	3 x 230 - 400 V ~	1,1	1,5	4,35 / 2,50	30/18	2790-2840	0,86-0,84
NKV 10/4 T*	**60144699**	3 x 230 - 400 V ~	1,5	2	5,60 / 3,25	44/26	2830-2860	0,85-0,81
NKV 10/5 T*	**60144700**	3 x 230 - 400 V ~	2,2	3	8,15 / 4,70	62/36	2820-2850	0,87-0,81
NKV 10/6 T*	**60144701**	3 x 230 - 400 V ~	2,2	3	8,15 / 4,70	62/36	2820-2850	0,87-0,84
NKV 10/7 T*	**60144702**	3 x 400 V ~	3,0	4,0	5,8	45	2870-2890	0,87-0,84
NKV 10/8 T*	**60144703**	3 x 400 V ~	3,0	4,0	5,8	45	2870-2890	0,89
NKV 10/9 T*	**60144704**	3 x 400 V ~	3,0	4,0	5,8	45	2880-2900	0,89
NKV 10/10 T*	**60144705**	3 x 400 V ~	4,0	5,5	7,6	60	2880-2900	0,89
NKV 10/12 T*	**60144706**	3 x 400 V ~	4,0	5,5	7,6	60	2900-2920	0,9
NKV 10/14 T*	**60144707**	3 x 400 V ~	5,5	7,5	11	90	2900-2920	0,9
NKV 10/16 T*	**60144708**	3 x 400 V ~	5,5	7,5	11	90	2900-2920	0,89
NKV 10/18 T*	**60144709**	3 x 400 V ~	7,5	10	14,8	120	2890-2910	0,89
NKV 10/20 T*	**60144710**	3 x 400 V ~	7,5	10	14,8	120	2890-2910	0,89

*** NEW IE2 MOTOR**

NKV 10 / NKV 15 / NKV 20

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 Hz	P2 NOMINAL		In A	I st. A	1/min	cos
			kW	HP				
NKV 10/22 T*	60144711	3 x 400 V ~	7,5	10	14,8	120	2890-2910	0,89
NKV 15/2 T*	60144712	3 x 230 - 400 V ~	2,2	3	8,15 / 4,70	0,87-0,84	2820-2850	0,87-0,81
NKV 15/3 T*	60144713	3 x 400 V ~	3,0	4,0	5,8	0,89	2820-2850	0,87-0,84
NKV 15/4 T*	60144714	3 x 400 V ~	4,0	5,5	7,6	0,9	2870-2890	0,87-0,84
NKV 15/5 T*	60144715	3 x 400 V ~	4,0	5,5	7,6	0,9	2870-2890	0,89
NKV 15/6 T*	60144716	3 x 400 V ~	5,5	7,5	11	0,89	2880-2900	0,89
NKV 15/7 T*	60144717	3 x 400 V ~	5,5	7,5	11	0,89	2880-2900	0,89
NKV 15/8 T*	60144718	3 x 400 V ~	7,5	10	14,8	0,89	2900-2920	0,9
NKV 15/9 T*	60144719	3 x 400 V ~	7,5	10	14,8	0,89	2900-2920	0,9
NKV 15/10 T*	60144720	3 x 400 V ~	11	15	22,4	0,89	2900-2920	0,89
NKV 15/12 T*	60144721	3 x 400 V ~	11	15	22,4	0,89	2930-2940	0,89
NKV 15/14 T*	60144722	3 x 400 V ~	11	15	22,4	0,89	2930-2940	0,89
NKV 15/16 T*	60144723	3 x 400 V ~	15	20	29,5	0,89	2930-2950	0,89
NKV 15/17 T*	60144724	3 x 400 V ~	15	20	29,5	0,89	2930-2950	0,89
NKV 20/2 T*	60144725	3 x 230 - 400 V ~	2,20	3	8,15/4,70	0,87-0,84	2820-2850	0,87-0,84
NKV 20/3 T*	60144726	3 x 400 V ~	4,0	5,5	7,6	0,9	2880-2900	0,9
NKV 20/4 T*	60144727	3 x 400 V ~	5,5	7,5	11	0,89	2900-2920	0,89
NKV 20/5 T*	60144728	3 x 400 V ~	5,5	7,5	11	0,89	2900-2920	0,89
NKV 20/6 T*	60144729	3 x 400 V ~	7,5	10	14,8	0,89	2890-2910	0,89
NKV 20/7 T*	60144730	3 x 400 V ~	7,5	10	14,8	0,89	2890-2910	0,89
NKV 20/8 T*	60144731	3 x 400 V ~	11,0	15	22,4	0,89	2930-2940	0,89
NKV 20/9 T*	60144732	3 x 400 V ~	11,0	15	22,4	152	2930-2940	0,89
NKV 20/10 T*	60144733	3 x 400 V ~	11,0	15	22,4	152	2930-2940	0,89
NKV 20/12 T*	60144734	3 x 400 V ~	15,0	20	29,5	200	2930-2950	0,89
NKV 20/14 T*	60144735	3 x 400 V ~	15,00	20	29,5	200	2930-2950	0,89
NKV 20/16 T*	60144736	3 x 400 V ~	18,5	25	35,5	266	2940-2950	0,91
NKV 20/17 T*	60144737	3 x 400 V ~	18,5	25	35,5	266	2940-2950	0,91

*** NEW IE2 MOTOR**

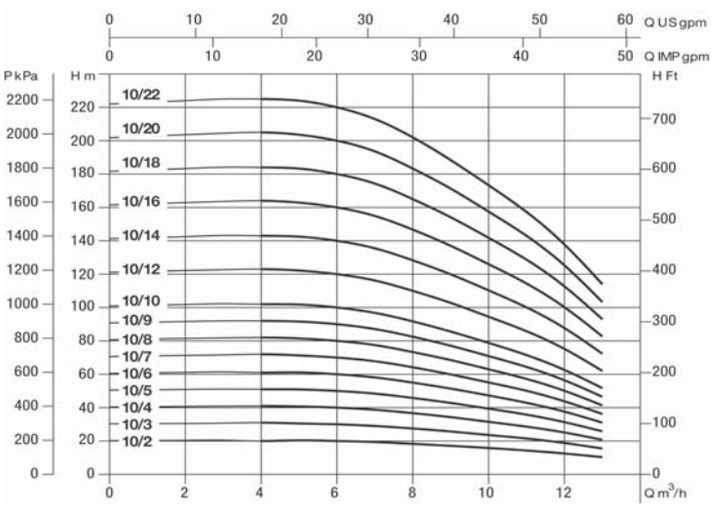
DAB PUMPS reserves the right to make modifications without notice

NKV 10 - NKV 15 - NKV 20

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

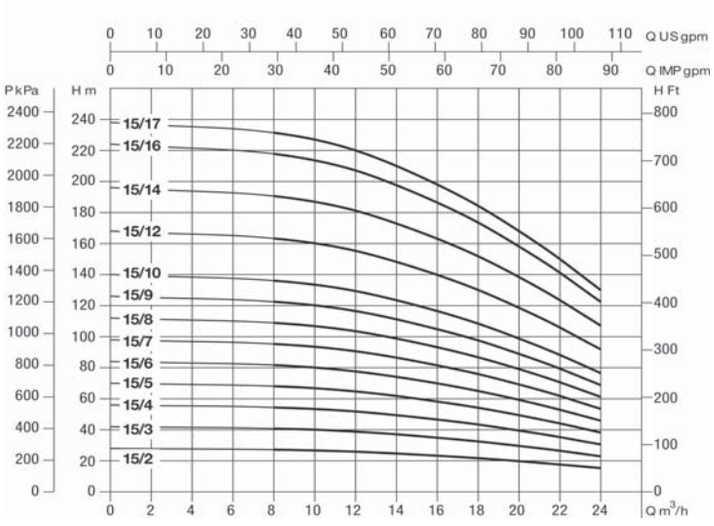
NKV 10

2 POLES *(2900 1/min)*



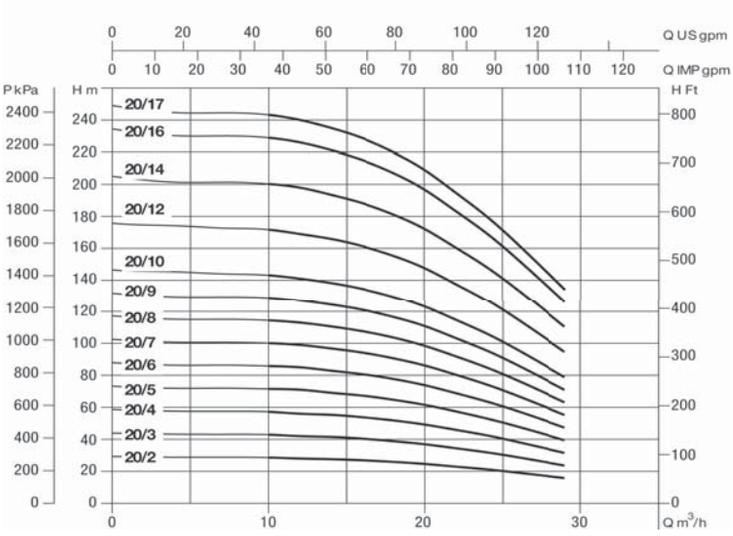
NKV 15

2 POLES *(2900 1/min)*



NKV 20

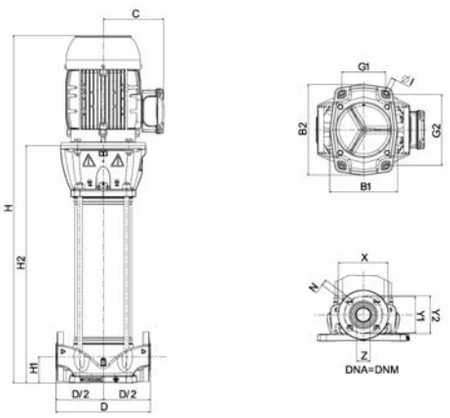
2 POLES *(2900 1/min)*



DIMENSIONS

NKV 10

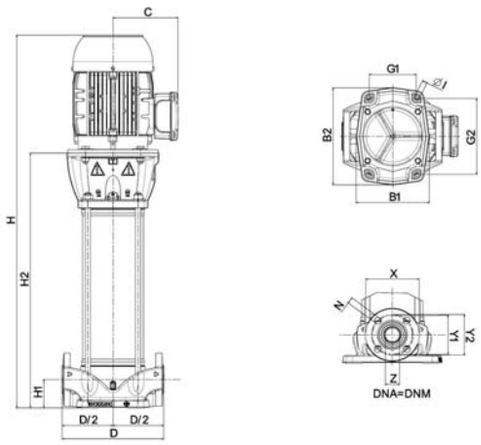
2 POLES (2900 1/min)



MODEL	N° IMPELLER	B1	B2	G1	G2	I	C	D	D/2	H	H1	H2	DNA=DNM (DN 40)					PACKAGING DIMENSIONS		
													X	Y1	Y2	Z	N	L/A	L/B	H
NKV 10/2	2	201	274	130	215	13,5	145	280	140	611,4	80	356,4	150	110	115	40	17,5	800	400	400
NKV 10/3	3	201	274	130	215	13,5	145	280	140	644,4	80	389,4	150	110	115	40	17,5	800	400	400
NKV 10/4	4	201	274	130	215	13,5	155	280	140	692,4	80	422,4	150	110	115	40	17,5	800	400	400
NKV 10/5	5	201	274	130	215	13,5	155	280	140	750,4	80	455,4	150	110	115	40	17,5	800	400	400
NKV 10/6	6	201	274	130	215	13,5	155	280	140	783,4	80	488,4	150	110	115	40	17,5	800	400	400
NKV 10/7	7	201	274	130	215	13,5	180	280	140	863,4	80	538,4	150	110	115	40	17,5	960	400	370
NKV 10/8	8	201	274	130	215	13,5	180	280	140	896,4	80	571,4	150	110	115	40	17,5	960	400	370
NKV 10/9	9	201	274	130	215	13,5	180	280	140	929,4	80	604,4	150	110	115	40	17,5	960	400	370
NKV 10/10	10	201	274	130	215	13,5	190	280	140	977,4	80	637,4	150	110	115	40	17,5	1150	500	400
NKV 10/12	12	201	274	130	215	13,5	190	280	140	1043,4	80	703,4	150	110	115	40	17,5	1150	500	400
NKV 10/14	14	201	274	130	215	13,5	210	280	140	1238,8	80	848,8	150	110	115	40	17,5	1360	500	530
NKV 10/16	16	201	274	130	215	13,5	210	280	140	1304,8	80	914,8	150	110	115	40	17,5	1360	500	530
NKV 10/18	18	201	274	130	215	13,5	210	280	140	1370,8	80	980,8	150	110	115	40	17,5	1650	500	580
NKV 10/20	20	201	274	130	215	13,5	210	280	140	1436,8	80	1046,8	150	110	115	40	17,5	1650	500	580
NKV 10/22	22	201	274	130	215	13,5	210	280	140	1502,8	80	1112,8	150	110	115	40	17,5	1650	500	580

NKV 15

2 POLES (2900 1/min)



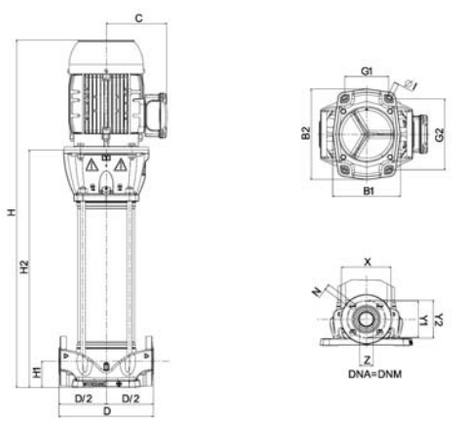
NKV 10 - NKV 15 - NKV 20

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

MODEL	N° IMPELLER	B1	B2	G1	G2	I	C	D	D/2	H	H1	H2	DNA=DNM (DN 50)				PACKAGING DIMENSIONS		
													X	Y	Z	N	L/A	L/B	H
NKV 15/2	2	201	274	130	215	13,5	155	300	150	651,40	90	356,4	165	125	67	18,0	800	400	400
NKV 15/3	3	201	274	130	215	13,5	180	300	150	731,40	90	406,4	165	125	67	18,0	800	400	400
NKV 15/4	4	201	274	130	215	13,5	190	300	150	779,40	90	439,4	165	125	67	18,0	800	400	400
NKV 15/5	5	201	274	130	215	13,5	190	300	150	812,40	90	472,4	165	125	67	18,0	960	370	370
NKV 15/6	6	201	274	130	215	13,5	210	300	150	974,80	90	584,8	165	125	67	18,0	1150	400	400
NKV 15/7	7	201	274	130	215	13,5	210	300	150	1007,80	90	617,8	165	125	67	18,0	1150	400	400
NKV 15/8	8	201	274	130	215	13,5	210	300	150	1040,80	90	650,8	165	125	67	18,0	1150	400	400
NKV 15/9	9	201	274	130	215	13,5	210	300	150	1073,80	90	683,8	165	125	67	18,0	1150	400	400
NKV 15/10	10	201	274	130	215	13,5	255	300	150	1251,00	90	746	165	125	67	18,0	1360	530	530
NKV 15/12	12	201	274	130	215	13,5	255	300	150	1317,00	90	812	165	125	67	18,0	1360	530	530
NKV 15/14	14	201	274	130	215	13,5	255	300	150	1383,00	90	878	165	125	67	18,0	1650	580	580
NKV 15/16	16	201	274	130	215	13,5	255	300	150	1449,00	90	944	165	125	67	18,0	1650	580	580
NKV 15/17	17	201	274	130	215	13,5	255	300	150	1762,50	90	1257,5	165	125	67	18,0	1850	580	580

NKV 20

2 POLES *(2900 1/min)*



MODEL	N° IMPELLER	B1	B2	G1	G2	I	C	D	D/2	H	H1	H2	DNA=DNM (DN 50)				PACKAGING DIMENSIONS		
													X	Y	Z	N	L/A	L/B	H
NKV 20/2	2	201	274	130	215	13,5	155	300	150	651,40	90	356,4	165	125	67	18,0	800	400	400
NKV 20/3	3	201	274	130	215	13,5	190	300	150	746,40	90	406,4	165	125	67	18,0	800	400	400
NKV 20/4	4	201	274	130	215	13,5	210	300	150	908,80	90	518,8	165	125	67	18,0	960	400	370
NKV 20/5	5	201	274	130	215	13,5	210	300	150	941,80	90	551,8	165	125	67	18,0	960	400	370
NKV 20/6	6	201	274	130	215	13,5	210	300	150	974,80	90	584,8	165	125	67	18,0	1150	500	400
NKV 20/7	7	201	274	130	215	13,5	210	300	150	1007,80	90	617,8	165	125	67	18,0	1150	500	400
NKV 20/8	8	201	274	130	215	13,5	255	300	150	1185,00	90	680	165	125	67	18,0	1360	500	530
NKV 20/9	9	201	274	130	215	13,5	255	300	150	1218,00	90	713	165	125	67	18,0	1360	500	530
NKV 20/10	10	201	274	130	215	13,5	255	300	150	1251,00	90	746	165	125	67	18,0	1360	500	530
NKV 20/12	12	201	274	130	215	13,5	255	300	150	1317,00	90	812	165	125	67	18,0	1360	500	530
NKV 20/14	14	201	274	130	215	13,5	255	300	150	1383,00	90	878	165	125	67	18,0	1650	500	580
NKV 20/16	16	201	274	130	215	13,5	255	300	150	1504,00	90	944	165	125	67	18,0	1650	500	580
NKV 20/17	17	201	274	130	215	13,5	255	300	150	1817,50	90	1257,5	165	125	67	18,0	1850	500	580

KV 50

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

ENERGY EFFICIENCY IE2





CE

CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

Discharge and suction bodies, motor support and diffuser bodies in cast iron treated against corrosion.
Technopolymer impellers and diffusers for KV32.
Bronze impellers and cast iron diffusers for KV40 and KV50.
Stainless steel shaft with sliding bush. Self lubricated bronze sliding bush guide.
Carbon/tungsten carbide mechanical seal.
Driving shaft - pump shaft coupling with a rigid fitting.
Asynchronous, two- and four-poles motor closed and cooled by external ventilation.
The user must provide overload protection.
Supplied with threaded counter flanges as a standard feature.

Protection level: IP 55.
Insulation class: F.
Operating range: from 4 to 45 m^3/h with head up to 265,5 metres.
Liquid temperature range: from -15°C to +110°C.
Pumped liquid characteristics: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.
Maximum ambient temperature: +40°C.
Maximum working pressure:
25 bar (2500 kPa) for KV32 - KV 40.
30 bar (3000 kPa) for KV50.
Installation: permanent in a vertical position.

TECHNICAL DATA - KV 50 2 POLES

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW	HP	
KV 50/2 T *	60144739	3 x 400 V ~ (1)	7,4	10	15
KV 50/3 T*	60144740	3 x 400 V ~ (1)	9,2	12,5	18
KV 50/4 T*	60144741	3 x 400 V ~ (1)	11	15	22
KV 50/5 T*	60144742	3 x 400 V ~ (1)	14,7	20	30
KV 50/6 T*	60144743	3 x 400 V ~ (1)	18,4	25	36
KV 50/7 T*	60144744	3 x 400 V ~ (1)	22	30	40
KV 50/8 T*	60144745	3 x 400 V ~ (1)	22	30	40
KV 50/9 T*	60144746	3 x 400 V ~ (1)	29,4	40	56

*** NEW IE2 MOTOR**

(1) Star starting is possible (*Y*)

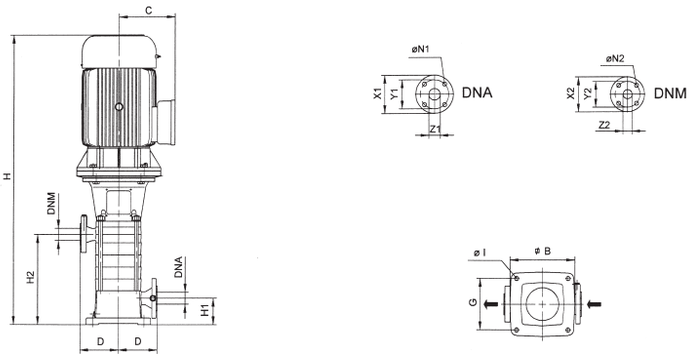
TECHNICAL DATA - KV 50 4 POLES

MODEL	CODE	ELECTRICAL DATA		
		VOLTAGE 50 Hz	P2 NOMINAL	
			kW	HP
KV 50/34 T*	60144747	3 x 230 - 400 V ~	1,1	1,5
KV 50/44 T*	60144748	3 x 230 - 400 V ~	1,5	2
KV 50/54 T*	60144749	3 x 230 - 400 V ~	2,2	3
KV 50/64 T*	60144750	3 x 230 - 400 V ~	2,2	3
KV 50/74 T*	60144751	3 x 230 - 400 V ~	3	4
KV 50/84 T*	60144752	3 x 230 - 400 V ~	3	4
KV 50/94 T*	60144753	3 x 230 - 400 V ~	4	5,5
KV 50/104 T*	60144754	3 x 230 - 400 V ~	4	5,5
KV 50/114 T*	60144755	3 x 230 - 400 V ~	4	5,5
KV 50/124 T*	60144756	3 x 400 V ~ (1)	5,5	7,5
KV 50/134 T*	60144757	3 x 400 V ~ (1)	5,5	7,5
KV 50/144 T*	60144758	3 x 400 V ~ (1)	5,5	7,5
KV 50/154 T*	60144759	3 x 400 V ~ (1)	5,5	7,5

*** NEW IE2 MOTOR**

DAB PUMPS reserves the right to make modifications without notice

DIMENSIONS



2 POLES

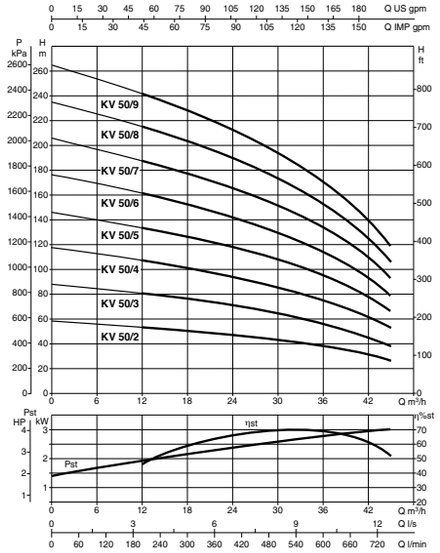
MODEL	B	C	D	G	IØ	H	H1	H2	DNA	DNM
KV 50/2 T	338	191	185	265	18	949	144	280	65	50
KV 50/3 T	338	191	185	265	18	1003	144	334	65	50
KV 50/4 T	338	191	185	265	18	1094	144	388	65	50
KV 50/5 T	338	234	185	265	18	1298	144	442	65	50
KV 50/6 T	338	234	185	265	18	1352	144	496	65	50
KV 50/7 T	338	234	185	265	18	1406	144	550	65	50
KV 50/8 T	338	234	185	265	18	1460	144	604	65	50
KV 50/9 T	338	280	185	265	18	1600	144	658	65	50

4 POLES

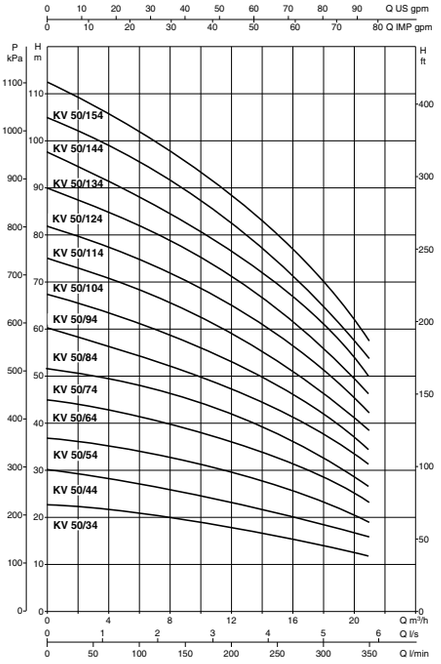
MODEL	H1	B	C	D	G	I	FLANGE DIMENSION DNA*				FLANGE DIMENSION DMN*			
							X1	Y1	Z1	NI	X2	Y2	Z2	N2
KV 50/...	144	338	185	185	265	18	185	145	65	18	165	125	50	18

*Flanges of 2 and 4 poles have the same dimensions.

KV 50 2 POLES (2900 1/min)



KV 50 4 POLIES(1450 1/min)



INDEX - SUBMERSIBLE PUMPS



NOVA

A7 PAG. 329



VERTY NOVA

A7 PAG. 331



NOVA SALT W

PAG. 332



DRENAG
500 / 700 / 900

E5 PAG. 333



DRENAG
1000 / 1200

C8 PAG. 334



DRENAG
1400 / 1800

C9 PAG. 335



DRENAG
1600 / 2000
2500 / 3000

E6 PAG. 336



DIG
1100 / 1500
1800 / 2200

CQ PAG. 338



DIG
3700 / 5500
8500 / 11000

CQ PAG. 339



GRINDER GL NEW
1000

CM PAG. 343



GRINDER
1000 / 1200 / 1600

CM PAG. 344



GRINDER
1400 / 1800

CN PAG. 346



FEKA
600

CG PAG. 348



FEKA BVP

AF PAG. 349



FEKA GL NEW
500 / 650

CH PAG. 350



FEKA GL
750 / 1000 / 1200

CI PAG. 351



FEKA
VS / VX

CJ PAG. 352



FEKA
1400 - 1800

CI PAG. 354



FEKA
2000

CA PAG. 355



FEKA NEW
2500 /2700

CB PAG. 355



FEKA
3000 /3500/ 3700

CC PAG. 356



FEKA
4000 /4100/ 4200

CD PAG. 357



FEKA 6000 /6100/ 6200/ 6300/ 8100/ 8200/ 8300

CE (6000) CF (8000) PAG. 358



SOCCORRER

A6 PAG. 361



NOVAPOND

D8 PAG. 364



NINPHAEA

A8 PAG. 365



NOVAIR NEW

AK PAG. 366



FEKALIFT

DC PAG. 367



NOVABOX

AE PAG. 369



FEKABOX 110

CK PAG. 370



FEKABOX 200 - 280

CK PAG. 371/372



FEKAFOS 200

CK PAG. 373



FEKAFOS 280

CK PAG. 374



FEKAFOS 280 DOUBLE

CK PAG. 375



FEKAFOS 550

CK PAG. 376



FEKAFOS 1200 - 2000 - 3800 NEW

CK PAG. 377

DOMESTIC SUBMERSIBLE PUMPS

MODEL	P2 NOMINAL		Q	0	1	2	3	4,5	5	6	7	7,5	9	10	12	15	18
	kW	HP	m³/h l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	250	300
NOVA 180 M-A	0,20	0,28		4,95	4,45	3,9	3,15	1,7	1,15								
NOVA 180 M-NA	0,20	0,28		4,95	4,45	3,9	3,15	1,7	1,15								
NOVA 200 M-NA	0,22	0,30		7,1	6,6	6,1	5,6	4,9	4,7	4,2	3,7	3,5	2,8	2,35	1,5		
NOVA 300 M-A	0,22	0,30		7,18	6,7	6,23	5,8	5,2	5	4,6	4,2	4	3,42	3	2,2		
NOVA 600 M-A	0,55	0,75	H	10,2	9,7	9,3	8,9	8,3	8,1	7,8	7,4	7,2	6,6	6,1	5	3,1	
NOVA 600 M-NA	0,55	0,75	(m)	10,2	9,7	9,3	8,9	8,3	8,1	7,8	7,4	7,2	6,6	6,1	5	3,1	
NOVA 600 T-NA	0,55	0,75		10,2	9,7	9,3	8,9	8,3	8,1	7,8	7,4	7,2	6,6	6,1	5	3,1	
NOVA SALT	0,20	0,28		6	5,4	4,7	3,9	2,8	2,5	1,7	1	0,5					
VERTY NOVA 200	0,20	0,28		6,9	6,5	6	5,8	4,5	4	3	1,8						
VERTY NOVA 400	0,4	0,55		9	8,8	8,5	8,1	7,8	7	6,7	1,8	5,7	4,2	3,5			

DRENAG - *DRENAGING CLEAN AND GREY WATER*

MODEL	P2 NOMINAL		Q	0	3	6	9	12	15	18	24	30	36	42	48	54	60	66
	kW	HP	m³/h l/min	0	50	100	150	200	250	300	400	500	600	700	800	900	1000	1100
DRENAG 500 MA	0,37	0,50		6,2	4,6	3,5	2,5	1,8										
DRENAG 500 M-NA	0,37	0,50		6,2	4,6	3,5	2,5	1,8										
DRENAG 700 MA	0,55	0,70		9,4	8	6,5	5,2	4,2	3,2	2,5								
DRENAG 700 M-NA	0,55	0,70		9,4	8	6,5	5,2	4,2	3,2	2,5								
DRENAG 700 T-NA	0,55	0,70		9,4	8	6,5	5,2	4,2	3,2	2,5								
DRENAG 900 MA	0,75	1		13	11,6	10,4	8,8	7,3	5,9	4,5	2,5							
DRENAG 900 M-NA	0,75	1		13	11,6	10,4	8,8	7,3	5,9	4,5	2,5							
DRENAG 900 T-NA	0,75	1		13	11,6	10,4	8,8	7,3	5,9	4,5	2,5							
DRENAG 1000 M-A / M-NA	1	1,36		15,3	13,7	12,1	10,5	8,7	6,8	4,7								
DRENAG 1000 T-NA	1	1,36	H	15,3	13,7	12,1	10,5	8,7	6,8	4,7								
DRENAG 1200 M-A / M-NA	1,2	1,6	(m)	17	15,4	13,8	12,4	10,7	9	7,3	3,3							
DRENAG 1200 T-NA	1,2	1,6		17	15,4	13,8	12,4	10,7	9	7,3	3,3							
DRENAG 1400 M	1,1	1,5		19,2		17	15,9	14,6	13,5	12,1	9	5,5						
DRENAG 1800 T	1,5	2		21,5		20	19	18	16,5	15,2	12	8,5	4,5					
DRENAG 1600 MA	1,1	1,5		8	7,6	7,2	7	6,7	6,4	6	5,3	4,7	3,9	2,8				
DRENAG 1600 T-NA	1,1	1,5		8	7,6	7,2	7	6,7	6,4	6	5,3	4,7	3,9	2,8				
DRENAG 2000 T-NA	1,4	1,9		10,8	10,5	10,3	10	9,7	9,4	9,1	8,4	7,4	6,4	5,3	4,2	2,9		
DRENAG 2500 T-NA	1,8	2,4		15	14,4	13,9	13,5	13,1	12,8	12,4	11,7	10,9	9,9	8,9	7,9	6,7	5,3	3,9
DRENAG 3000 T-NA	2,2	2,9		18,2	17,9	17,6	17,2	16,8	16,4	15,9	14,9	14	12,9	12	10,9	9,9	8,2	6,2

DIG - *HEAVY DRENAGING ABRASIVE CLEAN AND GREY WATER*

MODEL	P2 NOMINAL		Q	0	6	12	18	24	30	36	42	48	54	60	72	84	96	108	120	132	144	180	216	252
	kW	HP	m³/h l/min	0	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	3000	3600	4200
DIG 1100 MA	1,1	1,5		11,3	10,6	9,6	8,5	7,4	6,5	5,3	3,8	3,0												
DIG 1100 M-NA	1,1	1,5		11,3	10,6	9,6	8,5	7,4	6,5	5,3	3,8	3,0												
DIG 1100 T-NA	1,1	1,5		11,3	10,6	9,6	8,5	7,4	6,5	5,3	3,8	3,0												
DIG 1500 T-NA	1,5	2,0		13		11,0	10,0	9,0	8,0	6,8	5,3	4,0												
DIG 1800 T-NA	1,8	2,4		17,6		15,0	13,8	12,5	11,0	9,4	8,1	6,3	4,9											
DIG 2200 T-NA	2,2	3		20,1		16,8	15,2	14,1	12,4	10,6	9,1	7,4	5,9											
DIG 3700 AP T-NA	3,7	5	H	34,6		31,7	29,8	27,5	25	22,7	20	17,4	14,6	11,8	5									
DIG 3700 MP T-NA	3,7	5	(m)	18,4		18,1	17,6	17,5	17	16	15,5	15	14	13	11,3	9,6	7,8	5	3,6					
DIG 5500 AP T-NA	5,5	7,5		41,6		36,8	35,3	32,4	30	27	22	21,2	18	14	6									
DIG 5500 MP T-NA	5,5	7,5		23,4		22,8	22,5	22	21,8	21,6	20,2	19,8	19,2	18,8	16,2	14	12	9,5	7,2	4,8				
DIG 8500 AP T-NA	8,5	11,4		45		40,0	38,0	36,0	34,0	32,0	30,0	28,0	26,0	24,0	20,0	16,0	12,0	8,0	5,0					
DIG 8500 MP T-NA	8,5	11,4		45		40,0	38,0	36,0	34,0	32,0	30,0	28,0	26,0	24,0	20,0	16,0	12,0	8,0	5,0					
DIG 11000 AP T-NA	11	15		58		54,0	52,0	50,5	49,0	47,5	46,0	44,0	42,0	40,0	36,0	31,0	26,0	21,0	16,0	11,0				
DIG 11000 MP T-NA	11	15		58		54,0	52,0	50,5	49,0	47,5	46,0	44,0	42,0	40,0	36,0	31,0	26,0	21,0	16,0	11,0				

SUBMERSIBLE PUMPS FOR DRAINAGE WATER



Pumpbody,impeller,capandsuctiongridintechnopolymer. Motor, rotor shaft and screws in stainless steel.
Triple O-ring seal interposed with an oil precombustion chamber. Continuous duty submersible asynchronous motor. Stator fitted in an airtight stainless steel casing.
Rotor mounted on overdimensioned, greased-for-life ball bearings. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force. Supplied with standard power cables for the single-phase version:

5 metres H05RN-F for:	NOVA 180 M-A
	NOVA 300 M-A
	NOVA 600 M-A
10 metres H05RN-F for:	NOVA 180 M-NA
	NOVA 200 M-NA
10 metres H07RN-F for:	NOVA 600 M-NA

Standard cables supplied for the three-phase version: 5 metres of H07RN-F cable. For the single phase the standard is a SCHUKO plug EEC VII.
For special version available with special stainless steel motor shaft.

Operating range: from 1 to 16 m³/h with head up to 10.2 metres.
Liquid temperature range: from 0°C to +35° C for domestic use.
Pumped liquid characteristics:
NOVA fibre-less murky water.
Granulometric passage through the suction grid:

NOVA 180-NOVA 200	5 mm.
NOVA 300 – NOVA 600	10 mm.

Min. suction depth:

NOVA 180 A	77 mm.
NOVA 180 NA – NOVA 200	8 mm.
NOVA 300	85 mm.
NOVA 600 A	175 mm.
NOVA 600 NA	38 mm.

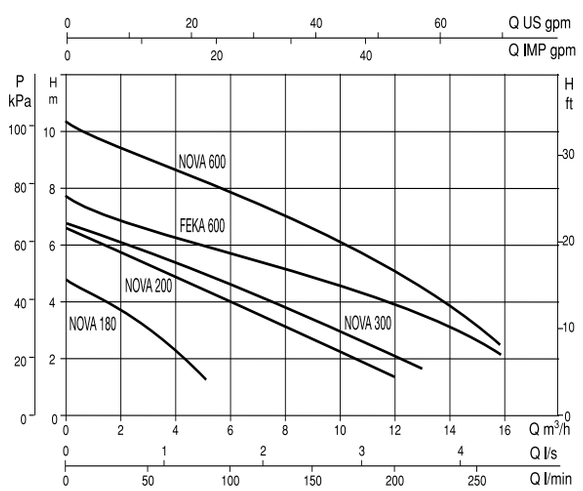
Maximum immersion depth: 7 metres.
Maximum dry running time: 1 minute.
Protection level: IP 68.
Insulation class: F.

CONTROL PANEL
PAG. 337

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
NOVA 180 M-A	103022814	1X220-240 V~	0,19	0,2	0,28	0,9
NOVA 180 M-NA	103022944	1X220-240 V~	0,19	0,2	0,28	0,9
NOVA 200 M-NA	103022624	1X220-240 V~	0,35	0,22	0,3	1,5
NOVA 300 M-A	103022014	1X220-240 V~	0,35	0,22	0,3	1,6
NOVA 600 M-A	103022414	1X220-240 V~	0,80	0,55	0,75	3,4
NOVA 600 M-NA	103022584	1X220-240 V~	0,80	0,55	0,75	3,4
NOVA 600 T-NA	103000064	3X400 V~	0,80	0,55	0,75	1,6

A= automatic with float NA= non automatic without float



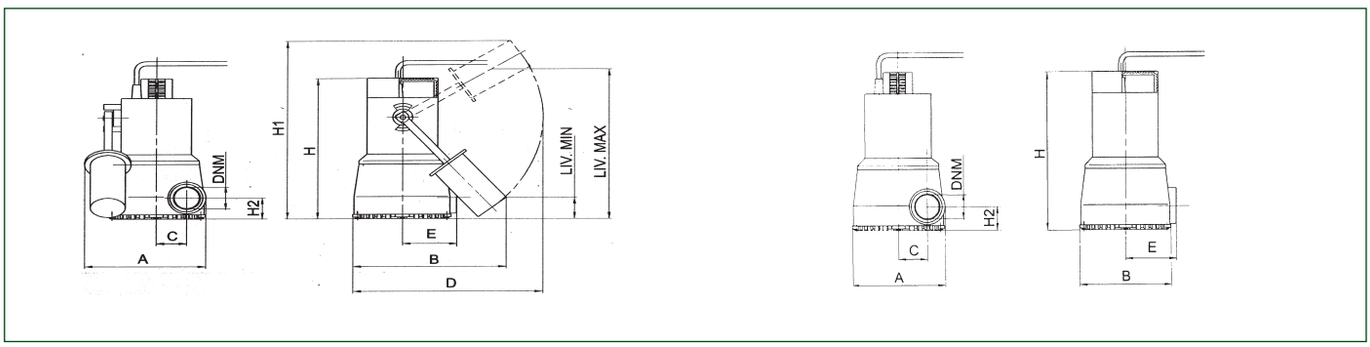
SPECIAL VERSION with a special stainless steel motor shaft

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
NOVA 180 M-A - SV	103002684	1X220-240 V~	0,19	0,2	0,28	0,9
NOVA 180 M-NA - SV	103002694	1X220-240 V~	0,19	0,2	0,28	0,9
NOVA 200 M-NA - SV	103002704	1X220-240 V~	0,35	0,22	0,3	1,5
NOVA 300 M-A - SV	103002724	1X220-240 V~	0,35	0,22	0,3	1,6
NOVA 600 M-A - SV	103002744	1X220-240 V~	0,80	0,55	0,75	3,4
NOVA 600 M-NA - SV	103002754	1X220-240 V~	0,80	0,55	0,75	3,4
NOVA 600 T-NA - SV	103005814	3X400 V~	0,80	0,55	0,75	1,6

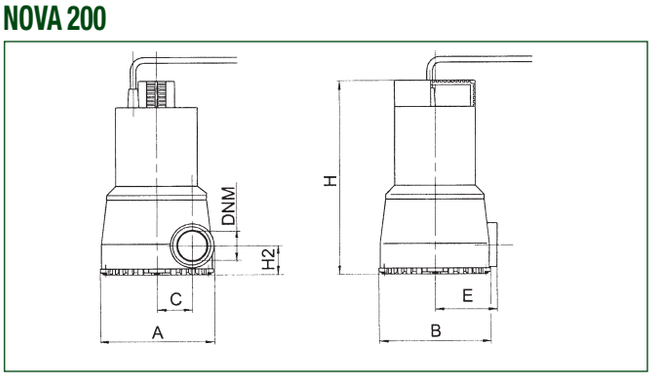
A= automatic with float NA= non automatic without float

DIMENSIONS AND WEIGHTS

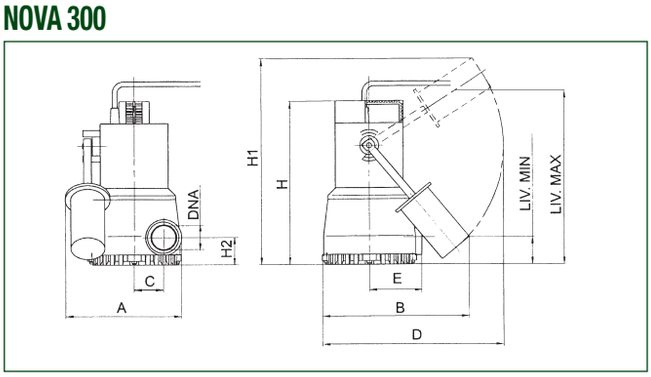
NOVA 180



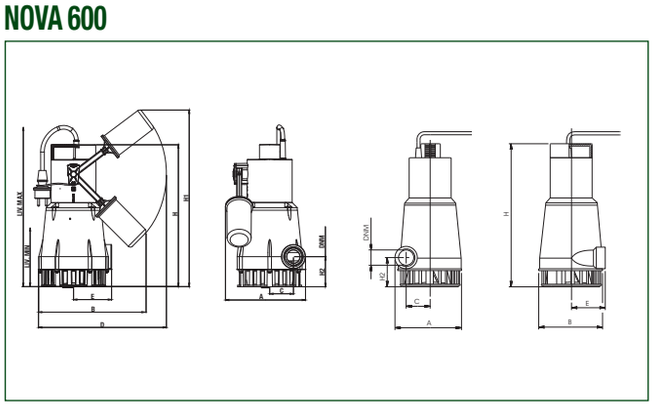
NOVA 200



NOVA 300



NOVA 600



MODEL	A	B	C	D	E	H	H1	H2	LIV. MIN.	LIV. MAX	DNM GAS	PACKAGING DIMENSIONS			CABLE	Q.TY X PALLETS	WEIGHT KG
												L/A	L/B	H			
NOVA 180 M-A	181	235	46	296	82	253	345	38	77	77	1¼"	287	202	320	5 mt.	48	4,6
NOVA 180 M-NA	148	148	46	–	82	253	–	38	–	–	1¼"	287	202	320	10 mt.	48	4,5
NOVA 180 M-A SV *	181	235	46	296	82	253	345	38	77	77	1¼"	287	202	320	5 mt.	48	4,6
NOVA 180 M-NA SV *	148	148	46	–	82	253	–	38	–	–	1¼"	287	202	320	10 mt.	48	4,5
NOVA 200 M-NA	148	148	46	–	82	253	–	38	–	–	1¼"	287	202	320	10 mt.	48	4,5
NOVA 200 M-NA SV *	148	148	46	–	82	253	–	38	–	–	1¼"	287	202	320	10 mt.	48	4,5
NOVA 300 M-A	181	235	46	296	82	262	354	47	85	85	1¼"	287	202	320	5 mt.	48	4,6
NOVA 300 M-A SV *	181	235	46	296	82	262	354	47	85	85	1¼"	287	202	320	10 mt.	48	4,6
NOVA 600 M-A	193	235	56	296	90	368	443	73	190	190	1¼"	287	202	431	5 mt.	32	7
NOVA 600 (M-T)-NA	162	160	56	–	90	368	–	73	–	–	1¼"	287	202	431	10 mt.	32	6,7
NOVA 600 M-A SV *	193	235	56	296	90	368	443	73	190	190	1¼"	287	202	431	5 mt.	32	7
NOVA 600 (M-T)-NA SV *	162	160	56	–	90	368	–	73	–	–	1¼"	287	202	431	10 mt.	32	6,7

* With special stainless steel motor shaft.

DAB PUMPS reserves the right to make modifications without notice

VERTY NOVA

INTEGRATED FLOAT SWITHC SUBMERSIBLE PUMPS



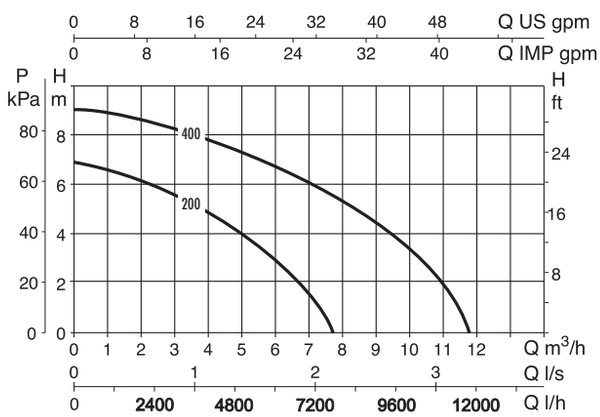
CE

DRAINAGE CLEAR WATER FOR DOMESTIC USE

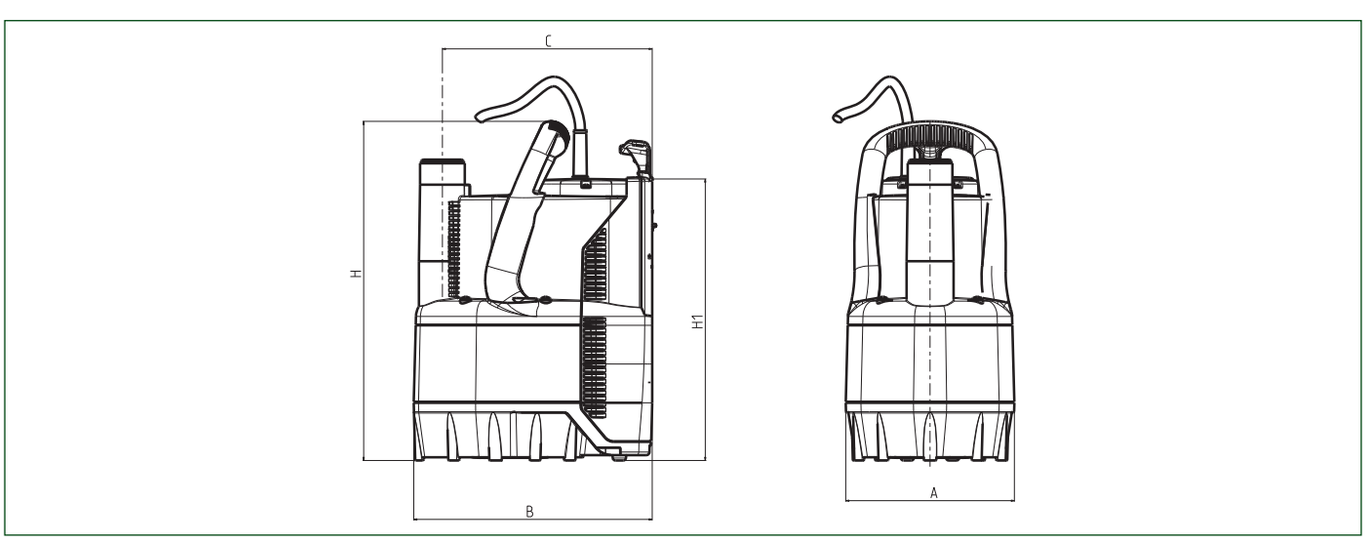
Submersible pumps specifically designed for uses in narrow pits with dimensions down to 20 cm x 20 cm.
Suitable to pump clear water containing particles with maximum diameter up to 5 mm.
Pump with built-in float switch.
Anti-corrosive and rust-proof materials.
Integrated float switch.
Low suction capability: 2 – 3 mm (manual mode).
Very low priming and starting level of the pump: 10 – 15 mm (manual mode).
Knob for manual or automatic operation.
Easy access through sliding cover to float switch for cleaning.
Motor with thermal overload protection.
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Supplied with power cable with plug, non return valve and 4-step fitting.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
VERTY NOVA 200 M	**60122636**	1X230 V~	0,3	0,2	0,28	1,3
VERTY NOVA 400 M	**60122637**	1X230 V~	0,6	0,4	0,55	2,6



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	ØD	H	H1	DNM GAS	CABLE	Q.TY X PALLETS	WEIGHT KG
VERTY NOVA 200 M	158	225	200	33	400	265	1¹/4"	10 mt.	40	4,2
VERTY NOVA 400 M	158	225	200	33	400	265	1¹/4"	10 mt.	40	5,1

DAB PUMPS reserves the right to make modifications without notice

NOVA SALT W
SUBMERSIBLE PUMPS



CE

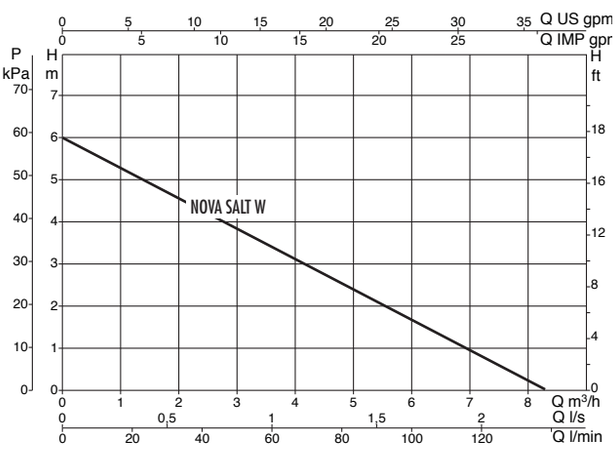
SALT WATER

The Nova Salt W M-A is a multi- purpose submersible pump specifically constructed for use in **salt water.**
Anti-corrosive and rust-proof materials.
Motor casing, shaft, screws and nuts made of stainless steel AISI 316.
Cable with tin plated conductors.
Motor with thermic overload protection.
Wear resistant shaft and impeller.

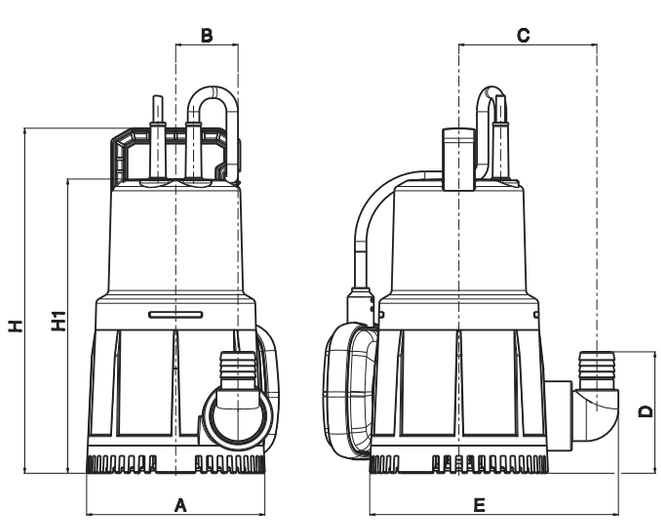
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Manual and Automatic version with start/ stop float switch.
Supplied with power cable with plug and self-sealing fitting.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
NOVA SALT W M-A	**60122652**	1X230 V~	0,28	0,2	0,28	1,3



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	H	H1	DNM GAS	CABLE	Q.TY X PALLETS	WEIGHT KG
NOVA SALT W M-A	140	48	107	95	195	270	230	1'1/4"	10 mt.	48	3,9

DRENAG 500 - 700 - 900
DRAINAGE PUMPS



CE

DOMESTIC CLEAN AND GREY WATER

Submersible centrifugal pump with ADJUSTMENT RING impeller impeller suitable for lifting water from drainage waste containing solids having maximum size of **5 mm.** Aluminium top cover with built-in handle. Impeller in reinforced nylon with corrosion-proof fiberglass. Pump and motor body in anodized die cast aluminium. **Carbon/alumina** mechanical seal. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. Built-in capacitor in the single-phase version. Thermal and overcurrent protection is the responsibility of the user. Constructed in compliance with CEI 2-3CEI 61-69 (EN 60335-2-41) standards.
Motor protection level: IP 68.
Insulation class: F.

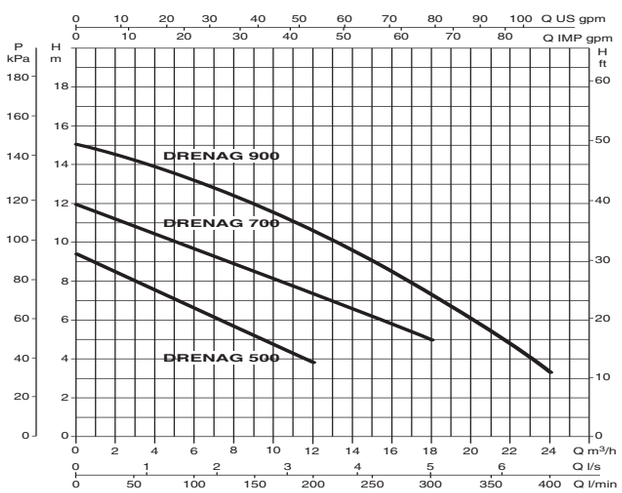
Continuous duty with completely immersed pump. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with 10 metre H07RN-F power cable.
Operating range: from 3 to 24 m³/h with head up to 14 mt.
Liquid quality requirements: Clear drain not aggressive water.
Liquid temperature range: from 0° to 35° for domestic use .
Maximum immersion depth: 10 mt.
Installation: portable, in vertical position.
Free passage through the suction grid: 5 mm.

CONTROL PANEL
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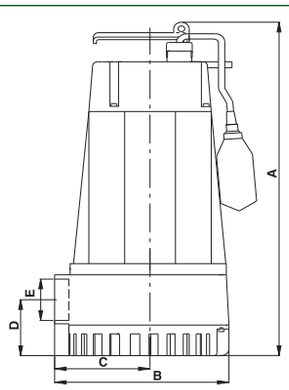
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
DRENAG 500 MA	60141702	1X230 V~	0,5	0,37	0,5	2,4	12,5	450
DRENAG 500 M-NA	60141703	1X230 V~	0,5	0,37	0,5	2,4	12,5	450
DRENAG 700 MA	60141704	1X230 V~	0,9	0,55	0,7	4,3	16	450
DRENAG 700 M-NA	60141705	1X230 V~	0,9	0,55	0,7	4,3	16	450
DRENAG 700 T-NA	60141706	3X400 V~	0,9	0,55	0,7	1,5	-	-
DRENAG 900 MA	60141707	1X230 V~	1,4	0,75	1,0	7,3	25	450
DRENAG 900 M-NA	60141708	1X230 V~	1,4	0,75	1,0	7,3	25	450
DRENAG 900 T-NA	60141709	3X400 V~	1,4	0,75	1,0	2,2	-	-

A= automatic with float NA= non automatic without float



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E - DNM GAS	FREE PASSAGE mm	Q.TY X PALLET	WEIGHT KG
Drenag 500 MA	416	169	92	62	1" 1/2	5	24	9
Drenag 500 M-NA								
Drenag 700 MA								10
Drenag 700 M-NA								
Drenag 700 T-NA								
Drenag 900 MA								11
Drenag 900 M-NA								
Drenag 900 T-NA								

DAB PUMPS reserves the right to make modifications without notice

DRENAG 1000 - 1200
DRAINAGE PUMPS



CE

CLEAN AND GREY WATER

Pump body, impeller, motor flange, filter and filter cover, motor casing, outer casing with handle, cable compartment cover **in AISI 304 stainless steel.**
Driving motor **in AISI 316 stainless steel.**
Handle coated with insulating rubber. **Double mechanical seal** with oil chamber interposed, carbon/alumina on motor side and silicon/silicon carbide on pump side. **Dry motor**, asynchronous, watertight, cooled by the pumped liquid itself. Standard thermal protection in the winding. Capacitor permanently on in the single-phase version. 10 metres of H07RN-F power cables with electric plug are supplied as a standard feature. All models can be supplied either with or without float.
Operating range: from 3 to 24 m^3/h with head up to 14.2 mt.

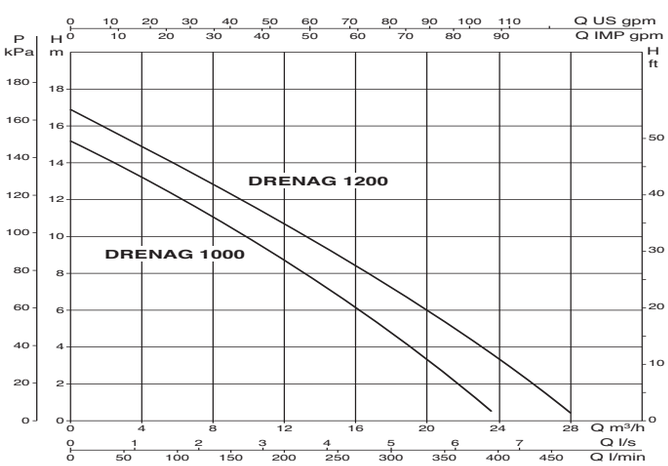
Liquid temperature range:
from 0°C to +50°C.
from 0°C to +35°C for domestic use.
Pumped liquid characteristics: rain water, phreatic water, sandy water from building yards and clean waste waters, not aggressive.
Maximum working temperature: +40°C with the motor out of the water.
Free passage through the suction grid: 10 mm.
Maximum immersion depth: 10 mt.
Protection level: IP 68.
Insulation class: F.
Installation: fixed or portable, in a vertical position.

CONTROL PANEL
PAG. 337

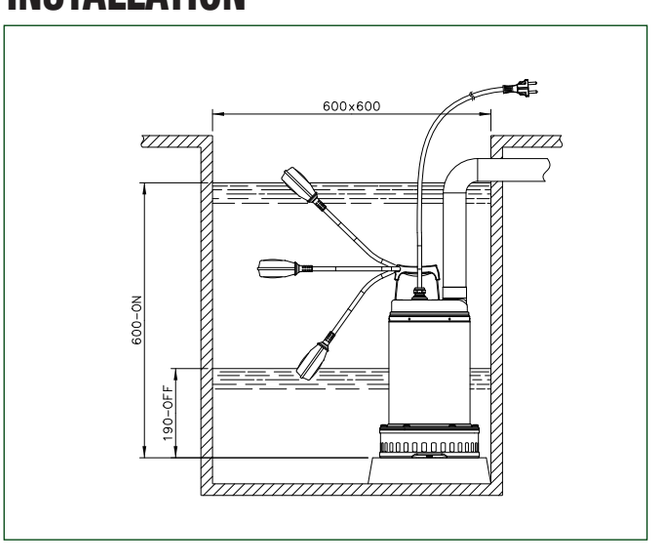
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
DRENAG 1000 M-A	103041000	1X230 V~	1,29	1	1,36	6
DRENAG 1000 M-NA	103041010	1X230 V~	1,29	1	1,36	6
DRENAG 1000 T-NA	103041020	3X400 V~	1,18	1	1,36	2,43
DRENAG 1200 M-A	103041040	1X230 V~	1,85	1,2	1,6	7,5
DRENAG 1200 M-NA	103041050	1X230 V~	1,85	1,2	1,6	7,5
DRENAG 1200 T-NA	103041060	3X400 V~	1,65	1,2	1,6	3,24

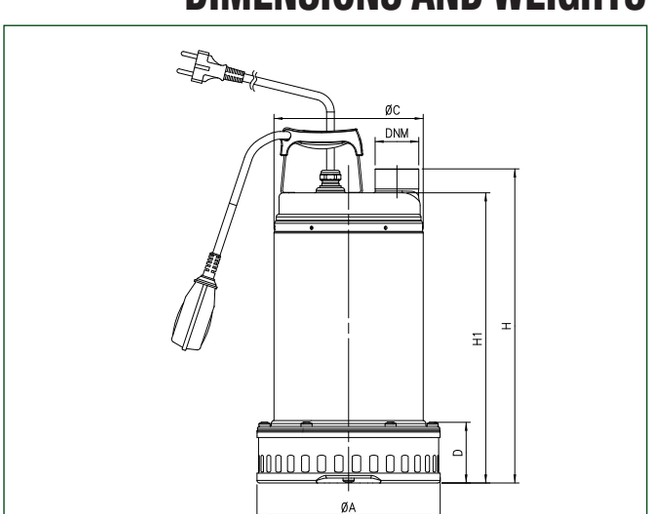
A= automatic with float NA= non automatic without float



INSTALLATION



DIMENSIONS AND WEIGHTS



MODEL	ØA	ØC	D	H	H1	Ø DNM	PACKAGING DIMENSIONS			FREE PASSAGE mm	Q.TY X PALLET	WEIGHT KG
							L/A	L/B	H			
DRENAG 1000	215	175	71	413	385	1"1/2 F	240	600	250	10	24	17
DRENAG 1200	215	175	71	413	385	1"1/2 F	240	600	250	10	24	18,5

DAB PUMPS reserves the right to make modifications without notice

DRENAG 1400 - 1800
DRAINAGE PUMPS



CLEAN AND GREY WATER ON BUILDING SITES

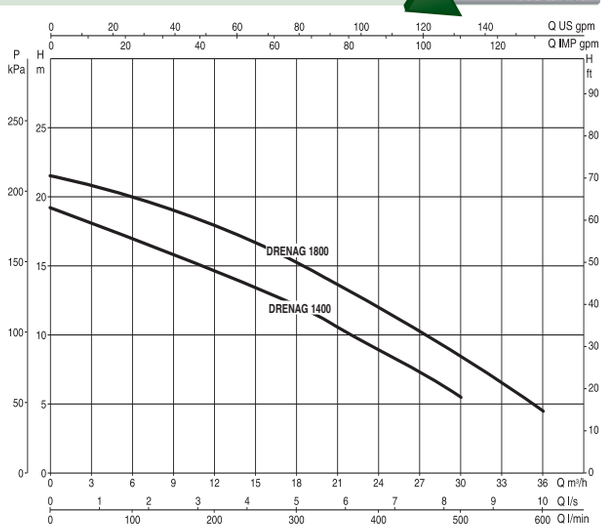
Submersible pump with cast iron pump body, motor casing and adjustment ring impeller. Cast iron adjustment disk coated with abrasion-proof rubber. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber.
Continuous duty submersible induction motor, in a watertight casing. Rotor mounted on oversized greased sealed-for-life ball bearings. Thermal protection in the windings, to be connected to the control panel.
10 mt of neoprene rubber power cable.
In order to operate, the pumps must be equipped with a control and protection system, supplied separately and not connected to the electropumps.

Operating range: from 6 to 33 m^3/h with head up to 19,2 mt for the single-phase version and 21,5 mt for the three-phase version.
Liquid quality requirements: sandy, muddy or sludgy water from building sites, clean waste water, rain water, ground water, fountain, river or lake water, always non aggressive.
Liquid temperature range: from 0°C to +55°C.
Free passage through the suction grid: 12 mm.
Maximum immersion depth: 10 mt.
Installation: fixed or portable in a vertical position.
Liquid temperature range: from 0°C to +55°.

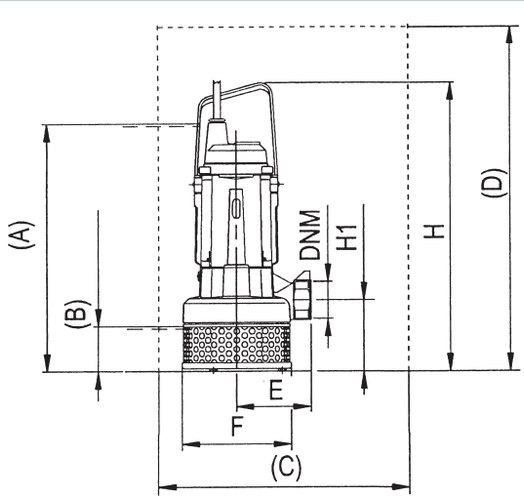
CONTROL PANEL
PAG. 337

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
DRENAG 1400 M	103010040	1X230 V~	2	1,1	1,5	9,2	40	450
DRENAG 1800 T	103010160	3X400 V~	2,3	1,5	2,0	4,4	-	-



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	FØ	DNM GAS	H	H1	FREE PASSAGE mm	Q.TY X PALLET	WEIGHT KG
DRENAG 1400 M	500	90	500x500 min	600 min	150	219	2"	584	144	12	6	44,2
DRENAG 1800 T	500	90	500x500 min	600 min	150	219	2"	584	144	12	6	44

DAB PUMPS reserves the right to make modifications without notice

DRENAG 1600 - 2000 - 2500 - 3000

DRAINAGE PUMPS





CLEAN AND GREY WATER ON BUILDING SITES

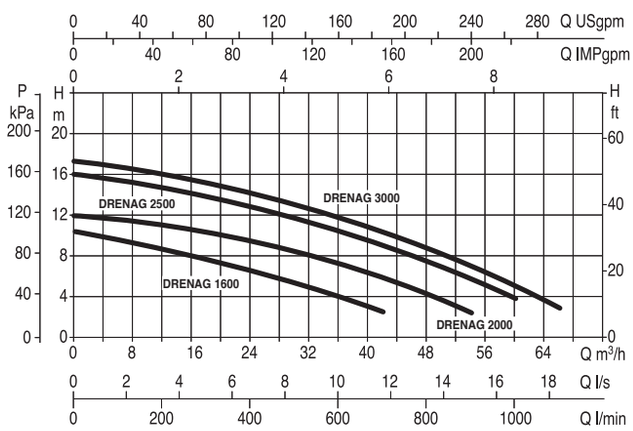
Submersible centrifugal pump with **ADJUSTMENT RING IMPELLER** suitable for lifting water from drainage waste containing solids having maximum size of **5 mm**. Top cover and motor body in anodized die cast aluminium. Impeller in ENGJL 200 cast iron. Pump body in ENGJL 200 cast iron. Double mechanical seals in oil chamber: motor side carbon/alumina, pump side in silicon carbide/silicon carbide. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single phase version capaticor is supplied in external control box equipped with current protection

Protection level: IP 68.
Insulation class: F.
Continuous duty, with completely immersed pump. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with 10 metre H07RN-F power cable.
Operating range: from 3 to 66 m^3/h with head up to 17 mt.
Liquid quality requirements: Clear drain not aggressive water.
Liquid temperature range: from 0° to + 40°.
Maximum immersion depth: 10 mt.
Installation: portable, in vertical position.
Free passage through the suction grid: 5 mm.

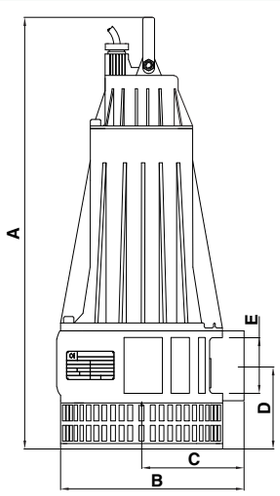
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
Drenag 1600 M-A	60141710	1X230 V~	1,6	1,1	1,5	7,4	30	450
Drenag 1600 T-NA	60141711	3X400 V~	1,6	1,1	1,5	3	-	-
Drenag 2000 T-NA	60141712	3X400 V~	2	1,4	1,9	4,1	-	-
Drenag 2500 T-NA	60141713	3X400 V~	3,1	1,8	2,4	5,3	-	-
Drenag 3000 T-NA	60141714	3X400 V~	3,5	2,2	2,9	6,2	-	-

A= automatic with float NA= non automatic without float



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E - DNM GAS	FREE PASSAGE mm	Q.TY X PALLET	WEIGHT KG
Drenag 1600 M-A	550	215	112	110	2" 1/2	5	8	23,5
Drenag 1600 T-NA								23,5
Drenag 2000 T-NA								23,5
Drenag 2500 T-NA								24
Drenag 3000 T-NA								26

DAB PUMPS reserves the right to make modifications without notice

PROTECTION AND CONTROL SYSTEMS

MODEL	CODE	VOLTAGE 50 HZ			P2 NOMINAL		MAX CURRENT	N° connectable floats (1)	N° connectable pumps	TO BE USED FOR PUMP/MODEL
		1x230	3x230	3x400	kW	HP	A			
MDN	108300030	•			1,1	1,5	12	1	1	DRENAG 1400
ED 1,3 M	108320320	•			1	1,36	10	1 o 2	1	DRENAG 500/ 700 /900 /1000 /1200 M-NA - NOVA 600 M-NA
ED 1 T	108320330			•	0,74	1	2,5	1 o 2	1	Drenag 700 / 900 T-NA - NOVA 600 T-NA
ED 1,5 T	108320340			•	1,1	1,5	4	1 o 2	1	DRENAG 1000 / 1200 T - 1600
ED 2,5 T	108320350			•	1,8	2,5	6,3	1 o 2	1	DRENAG 2500 T-NA - 1800 T - 2000 T-NA
ED 3 M	108320360	•			1,1	1,5	16	1 o 2	1	DRENAG 1400 M
ED 4T	108320610			•	3	4	10	1 o 2	1	DRENAG 3000 T-NA
E2D 2,6 M	108320400	•			1+1	1,36+1,36	10+10	2 o 3	2	DRENAG 500/ 700 /900 /1000 /1200 M-NA - NOVA 600 M-NA
E2D 6 M	108320420	•			1,5+1,5	3+3	16+16	2 o 3	2	DRENAG 1400 M
E2D 5T	108320460			•	1,8+1,8	2,5+2,5	6,3+6,3	2 o 3	2	DRENAG 1800 T
E-BOX 2D M/T	60114868	•	•	•	5,5+5,5	7,5+7,5	12 + 12	2 o 3	2	DRENAG all models M-NA / T-NA - NOVA 600 M-NA / T-NA
E-BOX 2D 40µF	60114869	•			5,5+5,5	7,5+7,5	12 + 12	2 o 3	2	DRENAG 1400 M
E3D4,5T	108330450			•	3 x 1,1	3 x 1,5	4+4+4	3 o 4	3	DRENAG 1600/ 2000 T-NA
E3 D7,5T	60115082			•	3 x 1,8	3 x 2,5	6,3+6,3+6,3	3 o 4	3	DRENAG 1800 T / 2500 T-NA
E3D12T	60115083			•	3 x 3	3 x 4	10+10+10	3 o 4	3	DREANG 3000 TNA

DIG 1100 - 1500 - 1800 - 2200
HEAVY DRAINAGE PUMPS



HEAVY DREDGING ABRASIVE CLEAN AND GREY WATER

Submersible electric pumps particularly suitable for the removal of drainage water in construction sites, open mines or quarries. Thanks to their rugged construction and reliability, these pumps can be used with harsh and abrasive liquids containing solids with maximum dimensions of up to 6 mm.

Open impeller in CRA2 650 HB high-chromium cast iron, outer sleeve in AISI 304 stainless steel, double mechanical seal in silicon carbide/silicon carbide on pump side and carbon/alumina on motor side. Suction screen in AISI 304 stainless steel. Dry-type asynchronous sealed motor, cooled by the pumped liquid. Rotor mounted on oversized greased sealed-for-life double ball bearings to ensure silent running and long life. Integral capacitor in single-phase versions. Thermal and overcurrent protection are the responsibility of the user.Constructed in compliance with CEI 2-3CEI 61-69 (EN 60335-2-41).

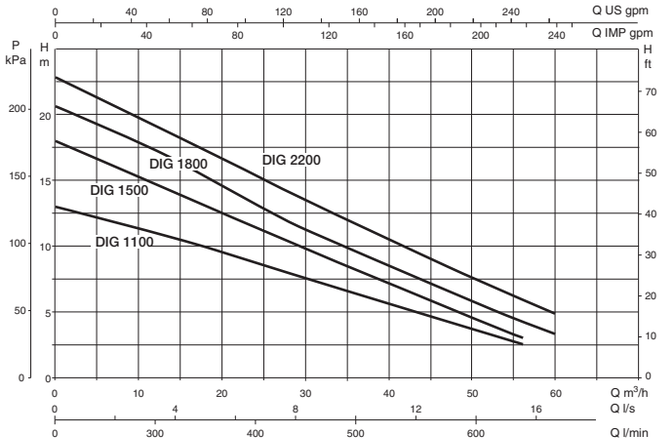
Motor protection level: IP 68.
Insulation class: F.
Continuous duty, with completely immersed pump.
Facility for operation also with partially immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.
Supplied as standard with 10 mt H07RN-F power cable.
Can be supplied on request with special tear-proof cable featuring internal reinforcement with steel core.
Operating range: from 6 to 54 m³/h with head up to 20 mt.
Liquid quality requirements: Liquid temperature range: from 0° to 35°.
Maximum immersion depth: 10 mt.
Installation: fixed or portable in vertical position.
Free passage through the suction grid: 6 mm.

CONTROL PANEL
PAG. 340

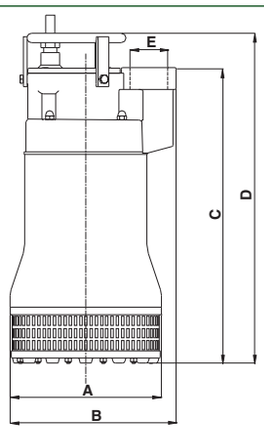
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
DIG 1100 MA	60141687	1X230 V~	1,7	1,1	1,5	7,8	25	450
DIG 1100 M-NA	60141688	1X230 V~	1,7	1,1	1,5	7,8	25	450
DIG 1100 T-NA	60141689	3X400 V~	1,7	1,1	1,5	3	-	-
DIG 1500 T-NA	60141690	3X400 V~	2,4	1,5	2	4,3	-	-
DIG 1800 T-NA	60141691	3X400 V~	3,2	1,8	2,4	5,3	-	-
DIG 2200 T-NA	60141692	3X400 V~	3,7	2,2	3	6,4	-	-

A= automatic with float NA= non automatic without float



DIMENSIONS AND WEIGHTS

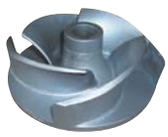


MODEL	A	B	C	D	E - DNM	FREE PASSAGE mm	Q.TY X PALLET	WEIGHT KG
DIG 1100 MA	250	270	480	530	2 1/2" - F	6	8	34
DIG 1100 M-NA								34
DIG 1100 T-NA								34
DIG 1500 T-NA								35
DIG 1800 T-NA								36
DIG 2200 T-NA								37

DIG 3700 - 5500 - 8500 - 11000

HEAVY DRAINAGE PUMPS





CE

HEAVY DREDGING ABRASIVE CLEAN AND GREY WATER

Submersible electric pumps particularly suitable for the removal of drainage water in construction sites, open mines or quarries. Thanks to their rugged construction and reliability, these pumps can be used with harsh and abrasive liquids containing solids with maximum dimensions of up to 10 mm. Open impeller in **CRA2 650 HB high-chromium cast iron,** outer sleeve in AISI 304 stainless steel, **double mechanical seal in** silicon carbide/silicon carbide on pump side and carbon/alumina on motor side. Suction screen in AISI 304 stainless steel. Pump body in EN GJL 200 cast iron clad internally with abrasion and wear resistant Nitrile rubber (NR). Dry-type asynchronous sealed motor, cooled by the pumped liquid. Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life. Overcurrent protection is set in the motor windings as standard. Constructed in compliance with CEI 2-3CEI 61-69 (EN 60335-2-41) standards.

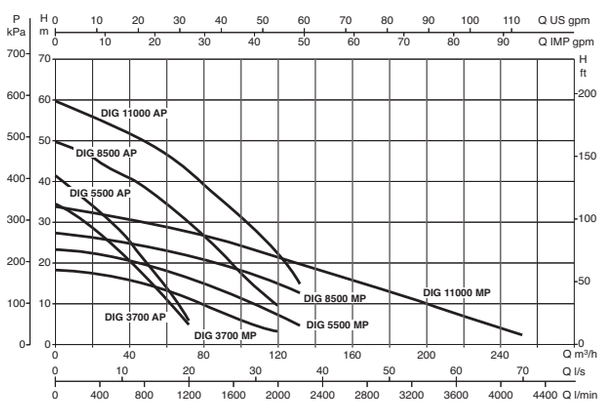
Motor protection level: IP 68.
Insulation class: F.
Continuous duty, with completely immersed pump.
Facility for operation also with partially immersed pump.
Supplied as standard with 10 mt H07RN-F power cable.
Can be supplied on request with tear-proof cable featuring internal reinforcement with steel core.
Operating range: from 12 to 240 m^3/h with head up to 57 mt.
Liquid quality requirements: rain water, ground water, sandy work site water, and water in general also when contaminated with small abrasive particles.
Liquid temperature range: from 0° to 35°.
Maximum immersion depth: 10 mt.
Installation: fixed or portable in vertical position.
Free passage through the suction grid: 10 mm.

CONTROL PANEL
PAG. 340

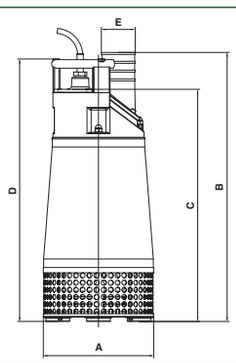
TECHNICAL DATA

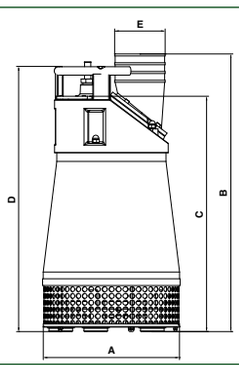
MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
DIG 3700 AP T-NA	60141693	3X400 V~	4,4	3,7	5	7,7
DIG 3700 MP T-NA	60141695	3X400 V~	4,9	3,7	5	8,5
DIG 5500 AP T-NA	60141696	3X400 V~	6,8	5,5	7,5	12
DIG 5500 MP T-NA	60141697	3X400 V~	6,1	5,5	7,5	11
DIG 8500 AP T-NA	60141698	3X400 V~	11,5	8,5	11,4	18,5
DIG 8500 MP T-NA	60141699	3X400 V~	10,5	8,5	11,4	17
DIG 11000 AP T-NA	60141700	3X400 V~	16,1	11	15	26,5
DIG 11000 MP T-NA	60141701	3X400 V~	12,8	11	15	21,5

A= automatic with float NA= non automatic without float



DIMENSIONS AND WEIGHTS





MODEL	A	B	C	D	E DNM	FREE PASSAGE mm	WEIGHT KG
DIG 3700 AP T-NA	326	840	685	775	3"	10	90
DIG 3700 MP T-NA		794			4"	10	90
DIG 5500 AP T-NA		840			3"	10	96
DIG 5500 MP T-NA		794			4"	10	96
DIG 8500 AP T-NA	404	894	773	862	4"	10	150
DIG 8500 MP T-NA					6"	10	150
DIG 11000 AP T-NA					4"	10	165
DIG 11000 MP T-NA					6"	10	165

DAB PUMPS reserves the right to make modifications without notice

PROTECTION AND CONTROL PANEL

MODEL	CODE	VOLTAGE 50 HZ			P2 NOMINAL		MAX CURRENT	N° connectable floats (1)	N° connectable pumps	TO BE USED FOR PUMP/MODEL
		1x230	3x230	3x400	kW	HP	A			
ED 1,3 M	108320320	•			1	1,36	10	1 o 2	1	DIG 1100 M-NA
ED 1,5 T	108320340			•	1,1	1,5	4	1 o 2	1	DIG 1100 / 1500 T-NA
ED2,5T	108320350			•	3,5	4,76	-	1 o 2	1	DIG 1800 T
ED 4T	108320610			•	3	4	10	1 o 2	1	DIG 2200 T-NA / 3700 APT - NA / 3700 MPT -NA
ED7,5T	108320630			•	7,5	5,5	16	1 o 2	1	DIG 5500 AP T-NA / 5500 MPT - NA
ED8T	108320640			•	8	6	20	1 o 2	1	DIG 8500 AP T-NA / 8500 MP T-NA
ED15T	108320650			•	15	10	32	1 o 2	1	DIG 11000 AP T-NA / 11000 MP T-NA
E2D2,6M	108320400	•			1,36+1,36	1+1	10+10	2 o 3	2	DIG 1100 M-NA
E2D3T	108320450			•	1,5+1,5	1,1+1,1	4+4	2 o 3	2	DIG 1100 T-NA / 1500 T-NA
E2D5T	108320460			•	2,5+2,5	1,8+1,8	6,3+6,3	2 o 3	2	DIG 1800 T-NA
E2D8T	108320710			•	4+4	3+3	10+10	2 o 3	2	DIG 2200 T-NA / 3700 APT - NA / 3700 MPT -NA
E2D15T	108320730			•	7,5+7,5	5,5+5,5	16+16	2 o 3	2	DIG 5500 AP T-NA / 5500 MP T-NA
E2D16T	108320740			•	8+8	6+6	20+20	2 o 3	2	DIG 8500 AP T-NA / 8500 MP T-NA
E2D30T	108320750			•	11+11	15+15	32+32	2 o 3	2	DIG 11000 AP T-NA / 11000 MP T-NA
E-Box 2D M/T	60114868	•	•	•	5,5+5,5	7,5+7,5	12 + 12	2 o 3	2	DIG 1100 M-NA / 1100 T-NA / 1500 T-NA/ 1800 T-NA / DIG 2200 T-NA 3700 AP T-NA / 3700 MP T-NA
E3D3,9M	108330400	•			3 x 1,36	3 x 1	10+10+10	3 o 4	3	DIG 1100 M-NA
E3D4,5T	108330450			•	3 x 1,5	3 x 1,1	4+4+4	3 o 4	3	DIG 1100 T-NA / 1500 T-NA
E3D7,5T	60115082			•	3 x 2,5	3 x 1,8	6,3+6,3+6,3	3 o 4	3	DIG 1800 T-NA
E3D12T	60115083			•	3 x 4	3 x 3	10+10+10	3 o 4	3	DIG 2200 T-NA / 3700 AP T-NA / 3700 MP T-NA
E3D22,5T	60115084			•	3 x 7,5	3 x 5,5	16+16+16	3 o 4	3	DIG 5500 AP T-NA / 5500 MP T-NA
E3D24T	60115085			•	3 x 8	3 x 6	20+20+20	3 o 4	3	DIG 8500 AP T-NA / 8500 MP T-NA

DOMESTIC SUBMERSIBLE PUMPS - *DRAINAGE WASTE WATER FOR DOMESTIC USE*

MODEL	P2 NOMINAL		Q	0	1	2	3	4,5	5	6	7	7,5	9	10	12	15	18
	kW	HP	m³/h l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	250	300
FEKA 600 M-A / M-NA / T-NA	0,55	0,75		7,45	7,1	6,75	6,45	6,1	5,95	5,7	5,45	5,35	4,95	4,7	4,1	2,8	
FEKA BVP 700	0,70	0,95		10,5	10	9,9	9,5	8,9	8,8	8,1	7,8	7,5	7	6,1	5,1	4	1,5
FEKA BVP 750	0,71	1		12	11,7	11,1	11	10,4	10,1	9,8	9,1	9	8,8	8	7	6	3,6

GRINDER - SEWAGE PUMPS WITH CUTTING SYSTEM

MODEL	P2 NOMINAL		Q	0	3	6	9	12	15	18
	KW	HP	m³/h l/min	0	50	100	150	200	250	300
GRINDER GL 1000 M-A	1,1	1,5		15,2	12,9	10	6,9	3,6		
GRINDER GL 1000 M-NA	1,1	1,5		15,2	12,9	10	6,9	3,6		
GRINDER GL 1000 T	1,1	1,5		15,2	12,9	10	6,9	3,6		
GRINDER 1000 M-A	1	1,3		15,2	12,9	10	6,9	3,6		
GRINDER 1000	1	1,3		15,2	12,9	10	6,9	3,6		
GRINDER 1000 T	1	1,3		15,2	12,9	10	6,9	3,6		
GRINDER 1200 M-A	1,5	2,0		20	13,9	17	14,7	11,7	8,1	4,2
GRINDER 1200	1,5	2,0		20	13,9	17	14,7	11,7	8,1	4,2
GRINDER 1200 T	1,5	2,0	H (m)	20	13,9	17	14,7	11,7	8,1	4,2
GRINDER 1600 M-A	1,8	2,4		23,5	22,3	20,6	18	14,8	11	5,7
GRINDER 1600	1,8	2,4		23,5	22,3	20,6	18	14,8	11	5,7
GRINDER 1600 T	1,8	2,4		23,5	22,3	20,6	18	14,8	11	5,7
GRINDER 1400 M	1,1	1,5		24,5	22,3	19	14,1			
GRINDER 1800 T	1,5	2,0		25,3	25	22,3	19,9	16		

FEKA - SEWAGE PUMPS

MODEL	P2 NOMINAL		Q	0	3	6	9	12	15	18	24	30
	KW	HP	m³/h l/min	0	50	100	150	200	250	300	400	500
FEKA GL 500 MA	0,4	0,6		8	6,9	5,8	4,6	3,2	1,8			
FEKA GL 500 M-NA	0,4	0,6		8	6,9	5,8	4,6	3,2	1,8			
FEKA GL 500 T-NA	0,4	0,6		8	6,9	5,8	4,6	3,2	1,8			
FEKA GL 650 MA	0,55	0,75		10	8,7	7,4	6	4,75	3,3	1,6		
FEKA GL 650 M-NA	0,55	0,75		10	8,7	7,4	6	4,75	3,3	1,6		
FEKA GL 650 T-NA	0,55	0,75		10	8,7	7,4	6	4,75	3,3	1,6		
FEKA GL 750 M-A	0,6	0,8		7,2	6,8	6,2	5,5	4,8	4,1	3,3	1,6	
FEKA GL 750 M-NA	0,6	0,8		7,2	6,8	6,2	5,5	4,8	4,1	3,3	1,6	
FEKA GL 750 T-NA	0,6	0,8		7,2	6,8	6,2	5,5	4,8	4,1	3,3	1,6	
FEKA GL 1000 M-A	1,1	1,5		11,5	10,8	10	9,1	8	7	5,8	3,5	1,8
FEKA GL 1000 M-NA	1,1	1,5		11,5	10,8	10	9,1	8	7	5,8	3,5	1,8
FEKA GL 1000 T-NA	1,1	1,5		11,5	10,8	10	9,1	8	7	5,8	3,5	1,8
FEKA GL 1200 M-A	1,2	1,6		14	14,4	12,8	11,9	11	10	9	6,8	4,3
FEKA GL 1200 M-NA	1,2	1,6		14	14,4	12,8	11,9	11	10	9	6,8	4,3
FEKA GL 1200 T-NA	1,2	1,6	H (m)	14	14,4	12,8	11,9	11	10	9	6,8	4,3
FEKA VS-VX 550 M-A	0,55	0,75		7,4	6,9	6,2	5,6	4,1	3,2	1,8		
FEKA VS-VX 550 M-NA	0,55	0,75		7,4	6,9	6,2	5,6	4,1	3,2	1,8		
FEKA VS-VX 550 T-NA	0,55	0,75		7,4	6,9	6,2	5,6	4,1	3,2	1,8		
FEKA VS-VX 750 M-A	0,75	1		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9	
FEKA VS-VX 750 M-NA	0,75	1		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9	
FEKA VS-VX 750 T-NA	0,75	1		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9	
FEKA VS-VX 1000 M-A	1	1,36		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1	
FEKA VS-VX 1000 M-NA	1	1,36		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1	
FEKA VS-VX 1000 T-NA	1	1,36		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1	
FEKA VS-VX 1200 M-A	1,2	1,6		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	
FEKA VS-VX 1200 M-NA	1,2	1,6		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	
FEKA VS-VX 1200 T-NA	1,2	1,6		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	
FEKA 1400 M	1,1	1,5		13,9		12	11	9,9	8,9	7,8	5,7	3,4
FEKA 1800 T	1,5	2,0		15,5		13,7	12,8	11,8	10,7	9,7	7,3	4,5

M - T = Availabe in single-phase (M) and three-phase (T) version

DAB PUMPS reserves the right to make modifications without notice

FEKA - SEWAGE PUMPS

MODEL	P2 NOMINAL		Q	0	3	6	12	18	24	36	48	60	72	90	108	126	150	180
	KW	HP	m³/h l/min	0	50	100	200	300	400	600	800	1000	1200	1500	1800	2100	2500	3000
FEKA 2015.2 MA	1,1	1,5		12,5	11,5	10,5	8	5,8	3,6									
FEKA 2015.2 MNA	1,1	1,5		12,5	11,5	10,5	8	5,8	3,6									
FEKA 2015.2 T	1,1	1,5		12,5	11,5	10,5	8	5,8	3,6									
FEKA 2025.2 T	1,8	2,4		17,5	16,5	15,6	13,6	11,6	9	3,8								
FEKA 2030.2 T	2,2	3,0		21	19,8	18,5	16	13,8	11,00	6								
FEKA 2508.4M-NA	0,6	0,8		5,4	5,1	4,8	4,1	3,4	2,6	1								
FEKA 2508.4T	0,6	0,8		5,4	5,1	4,8	4,1	3,4	2,6	1								
FEKA 2515.4T	1,1	1,5		6,2	6,1	5,9	5,5	5,0	4,5	3,1	1,4							
FEKA 2500.4T	1,8	2,4		8	7,8	7,6	7,2	6,7	6,3	5,4	4,4							
FEKA 2515.2T	1,1	1,5		9,3	8,8	8,4	7,6	6,5	5,3	3								
FEKA 2500.2T	1,8	2,4		14	13,5	13	12	11	10	7,5	4							
FEKA 2700.2T	2,2	3,0		16,5	15,5	14,8	13,6	12,5	11,4	9	5,5							
FEKA 3030.4T	2,2	3,0		6			5,6	5,3	5,1	4,4	3,8	3,1	2,4					
FEKA 3040.4T	3,0	4,0		8			7,4	7,1	6,8	6,2	5,6	4,9	4,1	2,8				
FEKA 3000.4T	3,7	5,0		9,5			8,9	8,5	8,1	7,4	6,5	5,6	4,6	3				
FEKA 3030.2T	2,2	3,0	H	12			9,5	8,3	7	5	3,2	1,8						
FEKA 3040.2T	3,0	4,0	(m)	15,4			13,2	12,0	10,8	8	5,4	3						
FEKA 3000.2T	3,7	5,0		18,7			17,5	16,4	15,3	12,6	9,4	6,2	4					
FEKA 3500.2T	4,4	6,0		22,3			20,4	19,2	17,9	15,2	12,8	10	7,5	3,8				
FEKA 3700.2T	5,5	6,0		25			23,4	22,7	21,9	20,2	18,5	16,5	14	9				
FEKA RC 3500.2T	4,4	6,0		28			25,5	24,3	23	20,6	18	15,6						
FEKA RC 3700.2T	5,5	7,5		32,9			29,4	28,1	26,8	24,8	22,8	20,1	16					
FEKA 4065.6T	4,8	6,5		8			7,6	7,2	7,1	6,8	6,4	6	5,6	4,7	3,6	2,4		
FEKA 4050.4T	3,7	5,0		12,7			11,8	11,4	11	9,9	9	8	7	5,4	3,5	1,6		
FEKA 4000.4T	6,0	8,0		15,4			14,9	14,6	14,2	13,7	12,9	12	11,2	9,8	8,2	6,6	4,2	
FEKA 4100.4T	7,5	10,0		17			16,7	16,4	16	15,3	14,8	13,8	12,9	11,4	9,9	8,2	6,1	3,5
FEKA 4120.4T	8,8	12,0		21			20,6	20,3	20	19,5	18,9	18,2	17,6	16,4	14,8	13,1	11	8,2
FEKA 4100.2T	7,5	10,0		24			22,4	21,5	20,5	18,3	16,2	14,2	12,3	9,5	6,2			
FEKA 4125.2T	9,2	12,5		27			25,3	24,4	23,5	21,3	19,5	17,3	15,3	12,4	9,8			
FEKA 4150.2T	11,0	15,0		31			28	26,9	25,8	23,8	22	20	18,2	14,8				
FEKA 4180.2T	13,0	17,5		35			34,2	33,3	32,3	29,8	27	24,4	22	18	14			
FEKA 4200.2T	15,0	20,0		40			38,5	37,6	36,6	34,3	32	29,8	27,6	23,5	18			

FEKA - SEWAGE PUMPS

MODEL	P2 NOMINAL		Q	0	24	36	48	60	72	90	108	126	150	180	210	240	270	300	360	420	480	600	780
	kW	HP	m³/h l/miN	0	400	600	800	1000	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	6000	7000	8000	10000	13000
FEKA 6075.6 T	5,5	7,5		9,6	9,2	8,5	8,4	8	7,8	7,2	6,8	6,4	5,8	4,8	3,7	2,4							
FEKA 6120.4 T	9,0	12,0		14	12,8	12,5	12,2	11,7	11,4	11	10,5	10	9,2	8,1	6,7	5,2	3,2						
FEKA 6150.4 T	11,0	15,0		17	16,3	16,1	15,8	15,4	14,9	14	13,3	12,1	11,6	10,1	8,4	7,7	5,9	4,8					
FEKA 6200.4 T	15,0	20,0		21		20,3	20	19,5	18,8	18,2	17,4	16,2	15,5	14,1	12,8	11,8	10,2	8,4	4,2				
FEKA 6250.4 T	18,5	25,0	H	25		24,5	24,2	24	23,5	23	22,5	22	21,5	20,5	19,5	18,5	17	16	14	11			
FEKA 6300.4 T	22,0	30,0	(m)	26		24	23,8	23,4	23	22	21	20,5	19,8	19	18	16,8	16	14,4	12,3	8			
FEKA 8150.6 T	11,0	15,0		9,2	9,1	9	8,9	8,8	8,6	8,5	8,3	7,9	7,8	7,3	6,9	6,3	5,8	5	3,8	3			
FEKA 8200.6 T	15,0	20,0		11,5		10,9	10,7	10,5	10,4	10,2	10,1	10	9,6	9	8,5	8	7,6	7	6	5	3,9		
FEKA 8250.6 T	18,5	25,0		15			14,4	14,2	14	13,,8	13,6	13,4	13	12,5	11,8	11,3	10,8	10,2	8,9	7,8	6,7	4,3	
FEKA 8300.6 T	22,0	30,0		17				16,6	16,5	16,4	16,3	16	15,8	15,4	15	14,4	13,8	13	11,9	10,5	9,2	6,5	2,6

M - T = Availabe in single-phase (M) and three-phase (T) version

SUBMERSIBLE PUMPS

GRINDER GL 1000

SEWAGE PUMPS WITH CUTTING SYSTEM

NEW





SEWAGE AND WASTE WATER FOR SMALL DISCHARGE PIPES

Submersible centrifugal pump fitted with cutting system suitable for pumping domestic wastewater with usual solid addictions. Solids which cannot be transportated are rejected outside of the pump by the cutting rotor as the cutting system is located upstream from the pump hydraulics. Cover, motor body, hydraulic section and impeller in cast iron ENGJL 200, grinding device in AISI440C. **Carbon/alumina** double mechanical seal. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single-phase version capacitor under the cover. Thermal and overcurrent protection responsability of the user.

Motor protection level: IP 68.
Insulation class: F.
Continuous duty with pump completely immersed. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.
Supplied as standard with 10 metre H07RN-F power cable.
Operating range: from 3 to 12 m^3/h with head up to 14,5 mt.
Liquid quality requirements: Not aggressive sewage, drain water.
Liquid temperature range: from 0° to + 40°.
Maximum immersion depth: 10 mt.
Installation: portable, in vertical position.

CONTROL PANEL
PAG. 347

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					DNM GAS	WEIGHT KG	Q.TY X PALLET
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A			
				kW	HP				
Grinder GL 1000 MA	**60145475**	1X220 - 240 V~	1,6	1,1	1,5	7	2"	29	6
Grinder GL 1000 MNA	**60145476**	1X220 - 240 V~	1,6	1,1	1,5	7	2"	29	6
Grinder GL 1000 TNA	**60145477**	3X400 V~	1,5	1,1	1,5	3	2"	29	6

DAB PUMPS reserves the right to make modifications without notice

GRINDER 1000 - 1200 - 1600

SEWAGE PUMPS WITH CUTTING SYSTEM



SEWAGE AND WASTE WATER FOR SMALL DISCHARGE PIPES

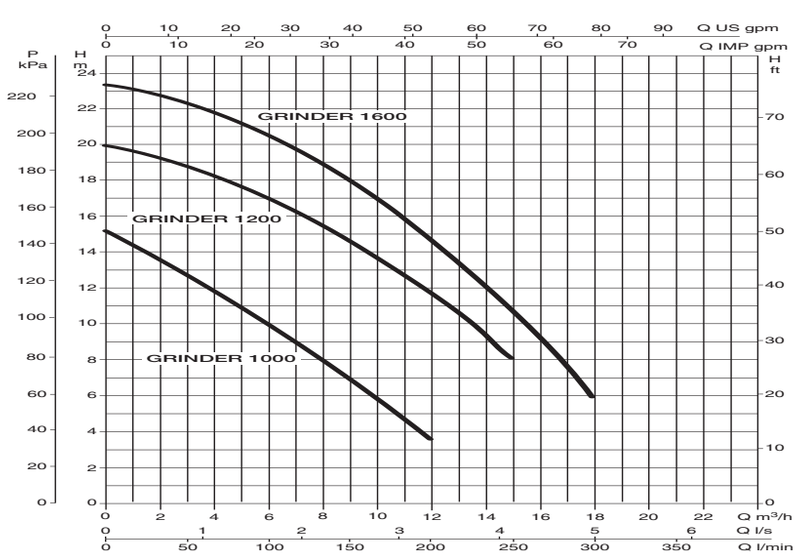
Submersible centrifugal pumpfitted with cutting system suitable for pumping domestic wastewater with usual solid addictions. Solids which cannot be transportated are rejected outside of the pump by the cutting rotor as the cutting system is located upstream from the pump hydraulics. Cover, motor body, hydraulic section and impeller in cast iron ENGJL 200, grinding device in AISI440C. **Carbon/alumina** double mechanical seal. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single-phase version capacitor current protection in external control box, supplied with the pump.

Motor protection level: IP 68.
Insulation class: F.
Continuous duty with pump completely immersed. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.
Supplied as standard with 10 mt H07RN-F power cable.
Operating range: from 0 to 22 m^3/h with head up to 25 mt.
Liquid quality requirements: Not aggressive sewage, drain water.
Liquid temperature range: From 0° to + 40°.
Maximum immersion depth: 10 mt.
Installation: portable, in vertical position.
Free passage: 5mm.

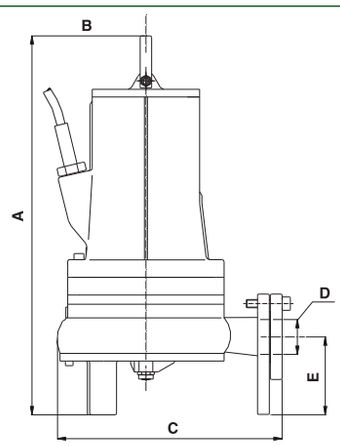
CONTROL PANEL
PAG. 347

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
Grinder 1000 M-A	60141604	1X220 - 240 V~	1,5	1	1,3	8	30+40	450
Grinder 1000 M-NA	60141603	1X220 - 240 V~	1,5	1	1,3	8	30+40	450
Grinder 1000 T	60141602	3X400 V~	1,6	1	1,3	2,8	-	-
Grinder 1200 M-A	60141601	1X220 - 240 V~	2,8	1,5	2,0	12,7	35+40	450
Grinder 1200 M-NA	60141600	1X220 - 240 V~	2,8	1,5	2,0	12,7	35+40	450
Grinder 1200 T	60141599	3X400 V~	2,7	1,5	2,0	4,7	-	-
Grinder 1600 M-A	60141587	1X220 - 240 V~	3,8	1,8	2,4	16,8	35+40	450
Grinder 1600 M-NA	60141585	1X220 - 240 V~	3,8	1,8	2,4	16,8	35+40	450
Grinder 1600 T	60141588	3X400 V~	3,3	1,8	2,4	5,8	-	-

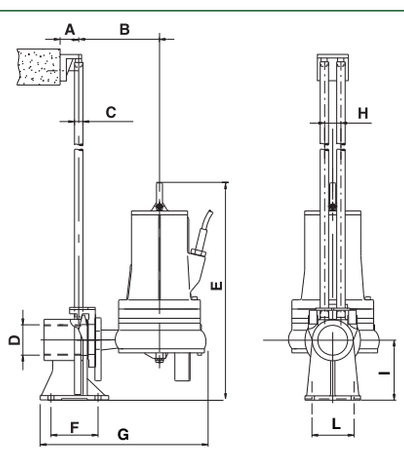


DIMENSIONS AND WEIGHTS



GRINDER 1000-1200-1600

MODEL	A	B	C	E	DNM GAS	Q.TY X PALLET	WEIGHT KG
GRINDER 1000	445	145	270	110	2"	6	38
GRINDER 1200							39
GRINDER 1600							40



GRINDER 1000-1200-1600

MODEL	A	B	C (DIAM)	D	E	F	G	H	I	L
GRINDER 1000	50	160	3/4"	2"G	540	85	410	38	130	94
GRINDER 1200										
GRINDER 1600										

GRINDER 1400 - 1800

SEWAGE PUMPS WITH CUTTING SYSTEM



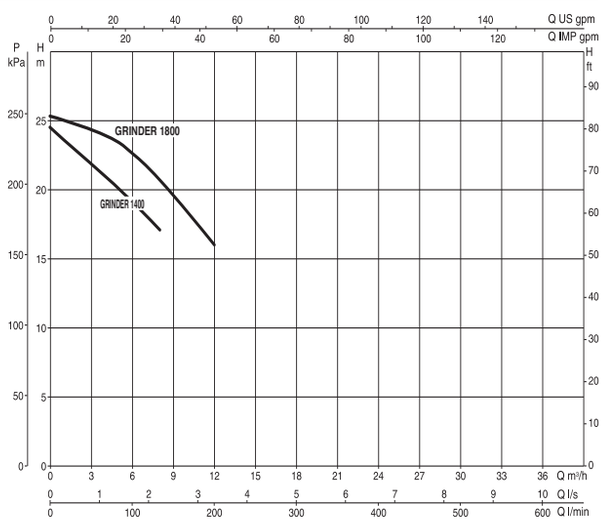
SEWAGE AND WASTE WATER FOR SMALL DISCHARGE PIPES

Submersible pump with cast iron pump body, motor casing and adjustment ring impeller. Grinder device in micro casting steel. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber.
Continuous duty submersible induction motor, in a watertight casing. Rotor mounted on oversized greased sealed-for-life ball bearings. Thermal protection in the windings, to be connected to the control panel. with 10 metres of neoprene rubber power cable.
In order to operate, the pumps must be equipped with a control and protection system, supplied separately and not connected to the electropumps (see accessories).

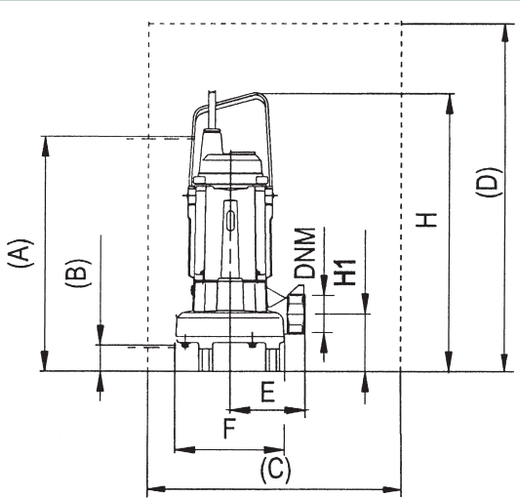
Liquid temperature range: from 0°C to +55°C.
Operating range: from 2 to 9 m^3/h with head up to 24,5 mt for thesingle-phase version and 26,5 mt for the three-phase version.
Liquid quality requirements: dirty waste water, untreated sewage containing solids and/or long fibres, always non aggressive.
Liquid temperature range: from 0°C to +55°C.
Maximum ambient temperature for pump operation with the motor emerging: +40°C.
Maximum immersion depth: 10 mt.
Installation: fixed or portable in a vertical position.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
GRINDER 1400 M	103010440	1X220 - 240 V~	1,95	1,1	1,5	8,7	40	450
GRINDER 1800 T	103010560	3X400 V	2	1,5	2,0	3,8	-	-



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	FØ	DNM GAS	H	H1	Q.TY X PALLET	WEIGHT KG
GRINDER 1400 M	500	50	500x500 min	600 min	150	219	2”	549	109	6	43,2
GRINDER 1800 T	500	50	500x500 min	600 min	150	219	2”	549	109	6	43,2

PROTECTION AND CONTROL SYSTEMS

MODEL	CODE	VOLTAGE 50 HZ			P2 NOMINAL		MAX CURRENT	N° connectable floats (1)	N° connectable pumps	TO BE USED FOR PUMP/MODEL
		1x230	3x230	3x400	kW	HP	A			
ED 1,3 M	108320320	•			1	1,36	10	1 o 2	1	GRINDER GL 1000 M-NA
ED1,6M	108320380	•			1,2	1,6	16	1 o 2	1	GRINDER 1000 M-NA
ED 2,4 M	108320490	•			1,8	2,4	25	1 o 2	1	GRINDER 1200 M-NA / 1600 M-NA
ED3MHS	108320370	•			2,95	4	-	1 o 2	1	GRINDER 1400 M
ED2,5T	108320350			•	3,5	4,76	-	1 o 2	1	GRINDER GL 1000 M / 1000 T / 1800 T
ED 4T	108320610			•	3	4	10	1 o 2	1	GRINDER 1200 T / 1600 T
E2D2,6M	108320400	•			1+1	1,36+1,36	10+10	2 o 3	2	GRINDER GL 1000 M-NA
E2D6MHS	108320420	•			2,95	4	-	2 o 3	2	GRINDER 1400 M
E2D5T	108320460			•	1,8+1,8	2,5+2,5	6,3+6,3	2 o 3	2	GRINDER 1800 T
E2D8T	108320710			•	3+3	4+4	10+10	2 o 3	2	GRINDER 1200 T / 1600 T
E-Box 2D M/T	60114868	•	•	•	5,5+5,5	7,5+7,5	12 + 12	2 o 3	2	GRINDER GL 1000 M-NA / GL 1000 T / 1000 M-NA / 1000 T / 1200 M-NA / 1200 T / 1600 T/ 1800 T
E3D3,9M	108330400	•			3 x 1	3 x 1,36	10+10+10	4	3	GRINDER GL 1000 M-NA
E3D9MHS	108330420			•	3 x 1,1	3 x 1,5	16+16+16	4	3	GRINDER 1400 M
E3D7,5T	60115082			•	3 x 1,8	3 x 2,5	6,3+6,3+6,3	4	3	GRINDER GL 1000 T / 1000 T / 1800 T
E3D12T	60115083			•	3 x 3	3 x 4	10+10+10	4	3	GRINDER 1200 T / 1600 T

DAB PUMPS reserves the right to make modifications without notice

FEKA 600
SEWAGE PUMPS



CE

DRAINAGE WASTE WATER FOR DOMESTIC USE

Pumpbody,impeller,capandsuctiongridintechnopolymer. Motor, rotor shaft and screws in stainless steel.
Triple O-ring seal interposed with an oil precombustion chamber. Continuous duty submersible asynchronous motor. Stator fitted in an airtight stainless steel casing. Rotor mounted on overdimensioned, greased-for-life ball bearings. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force. Supplied with standard power cables for the single-phase version:
5 metres HO5RN-F cable for: FEKA 600 M-A.
10 metres HO7RN-F cable for: FEKA 600 M-NA.
Standard cables supplied for the three-phase version: 5 metres of HO7RN-F cable. For the single phase the standard is a SCHUKO plug EEC VII.
For special version available with special stainless steel motor shaft.

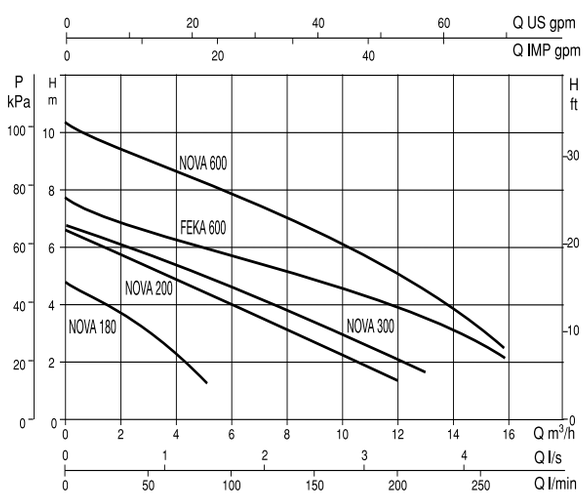
Operating range: from 1 to 16 m³/h with head up to 10.2 metres.
Liquid temperature range: from 0°C to +35° C for domestic use.
Pumped liquid characteristics:
FEKA sewage water from septic tanks.
Granulometric passage through the suction grid:
FEKA 600 25 mm.
Min. suction depth:
FEKA 600 A 175 mm.
FEKA 600 NA 38 mm.
Maximum immersion depth: 7 metres.
Maximum dry running time: 1 minute.
Protection level: IP 68.
Insulation class: F.

CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
FEKA 600 M-A	103022214	1X220-240 V~	0,94	0,55	0,75	4,3	14	450
FEKA 600 M-NA	103022384	1X220-240 V~	1	0,55	0,75	4,3	-	-
FEKA 600 T-NA	103000054	3X400 V~	1	0,55	0,75	1,7	-	-

M - T = Availabe in single-phase (M) and three-phase (T) version

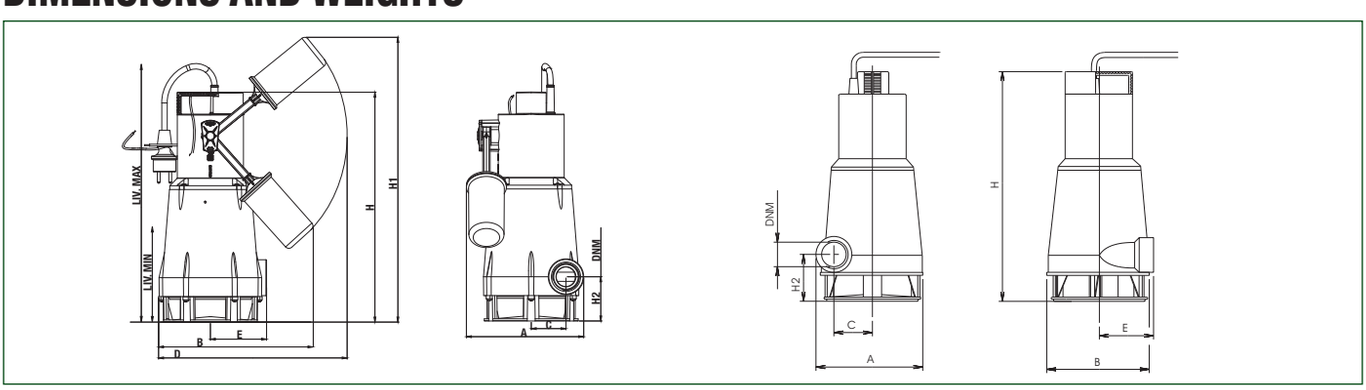


SPECIAL VERSION with a special stainless steel motor shaft

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
FEKA 600 M-A - SV	103002774	1X220-240 V~	0,94	0,55	0,75	4,3	14	450
FEKA 600 M-NA - SV	103002784	1X220-240 V~	1	0,55	0,75	4,3	-	-
FEKA 600 T-NA - SV	103005824	3X400 V~	1	0,55	0,75	1,7	-	-

M - T = Availabe in single-phase (M) and three-phase (T) version

DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	H	H1	H2	LIV. MIN.	LIV. MAX	DNM GAS	PACKAGING DIMENSIONS			CABLE	Q.TY X PALLET	WEIGHT KG
												L/A	L/B	H			
FEKA 600 M-A	193	235	56	296	90	368	443	73	190	190	1¼"	287	202	431	5 mt. H05	32	7
FEKA 600 (M-T)-NA	162	160	56	–	90	368	–	73	–	–	1¼"	287	202	431	10 mt. H05	32	6,7
FEKA 600 M-A SV *	193	235	56	296	90	368	443	73	190	190	1¼"	287	202	431	5 mt. H05	32	7
FEKA 600 (M-T)-NA SV *	162	160	56	–	90	368	–	73	–	–	1¼"	287	202	431	10 mt. H05	32	6,7

*** With special stainless steel motor shaft.**

DAB PUMPS reserves the right to make modifications without notice

DAB WATER•TECHNOLOGY

FEKA BVP
SEWAGE PUMPS



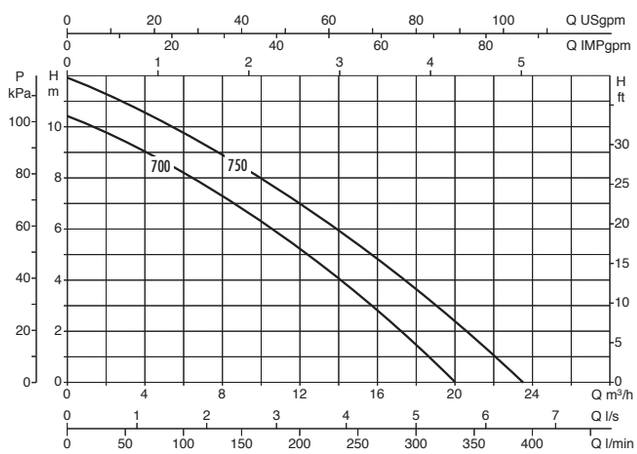
CE

DRAINAGE WASTE WATER FOR DOMESTIC USE

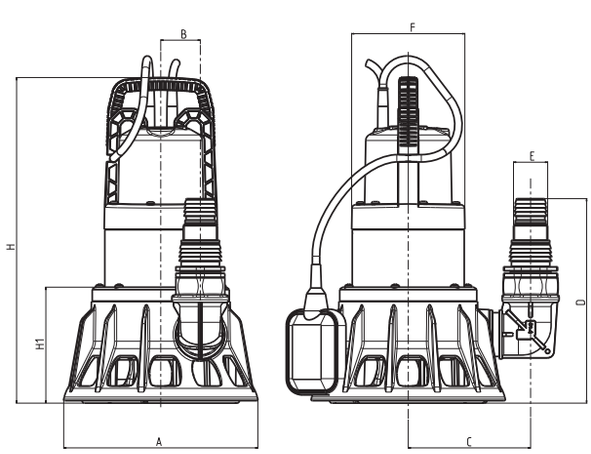
Powerful submersible pumps **for drainage and emptying duty.** Designed for pumping foul water containing solid particles of no more than 38 mm in diameter.
Anti-corrosion and anti-oxidation materials.
Motor with thermal protection against overheating.
Wear-resistant motor shaft and impeller.
Excellent motor cooling to allow pump to run even when only partially submerged.
Automatic version equipped with float switch for automatic starting and stopping of the pump, and manual version.
Equipped with power cable with plug, and 3-level union, without check valve.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
FEKA BVP 700 M-A	**60122690**	1X230 V~	1,0	0,70	0,95	4,6
FEKA BVP 750 M-A	**60122691**	1X230 V~	1,1	0,75	1	5,6



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	F	H	H1	DNM GAS	CABLE	WEIGHT KG	Q.TY X PALLETS
FEKA BVP 700 M-A	240	49	150	250	M40	140	400	142	1"1/2"	10 mt.	8	27
FEKA BVP 750 M-A	240	49	150	250	M40	140	400	142	1"1/2"	10 mt.	8	27

DAB PUMPS reserves the right to make modifications without notice

FEKA GL 500 - 650
SEWAGE PUMPS



LIFTING DOMESTIC SEWAGE AND WASTE WATER

Cast iron submersible pumps with the vortex impeller for sewage, suitable for foul waste water with solid contents with the **30 mm** as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section in cast iron EN GJL 200. Mechanical seal in **carbon allumina.** Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single-phase version capacitor under the cover. Thermal and overcurrent protection responsability of the user.
Motor protection rating: IP 68.
Insulation class: F.

Continuous duty with completely immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with **10 mt H07RN-F** power cable.
Operating range: from 0 to 65 m^3/h with head up to 40 mt.
Liquid quality requirements: Non-aggressive sewage, drain water.
Liquid temperature range: from 0° to + 40°.
Maximum immersion depth: 20 mt.
Installation: portable, in vertical position.
Free passage: 30 mm.

CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					DNM GAS	FREE PASSAGE mm	WEIGHT KG	Q.TY X PALLETS
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A				
				kW	HP					
Feka GL 500 M-A	60145469	1x 230 V	0,6	0,4	0,6	2,9	1" 1/2	30	14	24
Feka GL 500 M-NA	60145470	1x 230 V	0,6	0,4	0,6	2,9	1" 1/2	30	14	24
Feka GL 500 T	60145471	3x 400 V	0,7	0,4	0,6	1,3	1" 1/2	30	14	24
Feka GL 650 M-A	60145472	1x 230 V	0,8	0,55	0,75	3,8	1" 1/2	30	16	24
Feka GL 650 M-NA	60145473	1x 230 V	0,8	0,55	0,75	3,8	1" 1/2	30	16	24
Feka GL 650 T	60145474	3x 400 V	0,8	0,55	0,75	1,4	1" 1/2	30	16	24

FEKA GL 750 - 1000 - 1200
SEWAGE PUMPS



DOMESTIC SEWAGE AND WASTE WATER

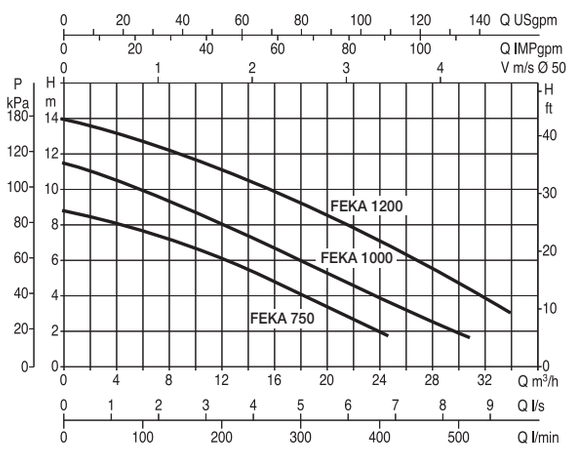
Cast iron submersible pumps with the vortex impeller for sewage, suitable for foul waste water with solid contents with the 46 mm as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section in cast iron EN GJL 200. Mechanical seal in **silicon carbide**. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single-phase version capacitor under the cover. Thermal and overcurrent protection responsability of the user.

Motor protection rating: IP 68
Insulation class: F
Continuous duty with completely immersed pump. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with 10 metre H07RN-F power cable.
Operating range: from 3 to 28,5 m³/h with head up to 14 metres.
Liquid quality requirements: Non-aggressive sewage, drain water
Liquid temperature range: From 0° to + 35°.
Maximum immersion depth: 10 metres
Installation: portable, in vertical position.
Free passage: 46 mm.

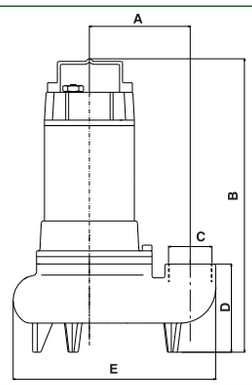
CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
Feka GL 750 M-A	**60141715**	1x 230 V	0,9	0,6	0,8	4,1	16	450
Feka GL 750 M-NA	**60141716**	1x 230 V	0,9	0,6	0,8	4,1	16	450
Feka GL 750 T-NA	**60141717**	3x 400 V	0,9	0,6	0,8	1,5	-	-
Feka GL 1000 M-A	**60141718**	1x 230 V	1,6	1,1	1,5	7	25	450
Feka GL 1000 M-NA	**60141719**	1x 230 V	1,6	1,1	1,5	7	25	450
Feka GL 1000 T-NA	**60141720**	3x 400 V	1,6	1,1	1,5	3,5	-	-
Feka GL 1200 T-NA	**60141721**	3x 400 V	1,9	1,2	1,6	3,9	-	-



DIMENSIONS AND WEIGHTS



MODEL	A	B	C DNM	D	E	DNM GAS	FREE PASSAGE mm	WEIGHT KG	Q.TY X PALLET
Feka 750 M-A	137	412	2" F	120	275	2"	46	18	24
Feka 750 M-NA									
Feka 750 T-NA									
Feka 1000 M-A	137	412	2" F	120	275	2"	46	19	24
Feka 1000 M-NA									
Feka 1000 T-NA									
Feka 1200 T-NA	137	412	2" F	120	275	2"	46	20	24

DAB PUMPS reserves the right to make modifications without notice

FEKA VS - VX
SEWAGE PUMPS

FEKA VS



FEKA VX



CE

DOMESTIC SEWAGE AND WASTE WATER

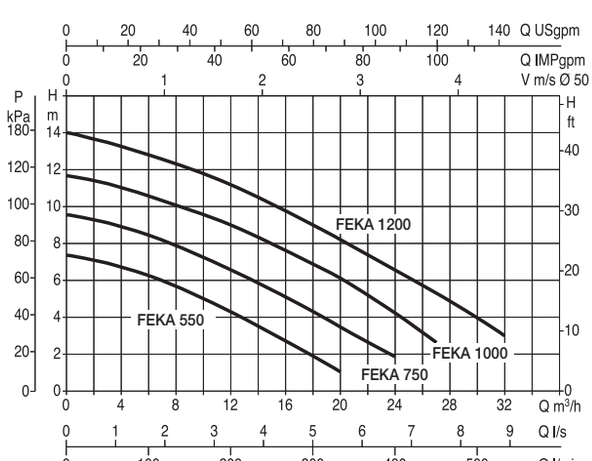
Submersible centrifugal pump with liquid vortex cast steel impeller (technopolymer impeller for Feka VX), suitable for pumping sewer water and waste water in general containing solids up to a maximum size of 50 mm.
Handle with insulating rubber cover. AISI 316 stainless steel drive shaft. Double mechanical seal with intermediate oil chamber (atoxic oil), in carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side.
VS version: Stainless steel pump casing, seal cover, motor casing
VX version: Technopolymer pump casing with threaded metal insert inserted into the delivery port, stainless steel seal cover, motor casing.
Dry, asynchronous, sealed and cooled by the pumped liquid. Rotor mounted on greased for-life ball bearings, oversized and selected to guarantee greater noise reduction and duration. Thermo-amperometric protection as standard for single-phase version, and the user's responsibility for the three-phase version. Constantly active capacitor on the single-phase version. Construction in accordance with the IEC 2-3 IEC 61-69 (EN 60335-2-41) standards.

Motor protection class: IP 68.
Insulation class: F.
Standard voltage:
220-240V 50Hz Single-phase
400V 50Hz Three-phase
Continual running with liquid at 35 °C and pump completely submersible. The single-phase version can be supplied with float for automatic function.
Power supply cable: 10 mt of H07RN-F cable with Shuko plug for the single-phase version and 10 meters of H07RN-F cable for the three-phase version.
Operating range: from 0 to 32 m³/h with head up to 14 mt.
Pumped liquid: sewer water and waste water in general and non aggressive.
Liquid temperature range: from 0°C to +35°C for household use (EN 60335-2-41), from 0°C to +50°C for other uses.
Maximum ambient temperature for pump running with submersible motor: +40°C.
Maximum immersion depth: 10 mt.
Installation: fixed or portable, vertical.
Free Passage: 50 mm

CONTROL PANEL
PAG. 359

TECHNICAL DATA - VS

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
FEKA VS 550 M-A	103040000	1X220 - 240 V~	927	0,55	0,75	4,2	20	450
FEKA VS 550 M-NA	103040010	1X220 - 240 V~	927	0,55	0,75	4,2		
FEKA VS 550 T-NA	103040020	3X400 V~	900	0,55	0,75	1,64	-	-
FEKA VS 750 M-A	103040040	1X220 - 240 V~	1111	0,75	1	5,13	20	450
FEKA VS 750 M-NA	103040050	1X220 - 240 V~	1111	0,75	1	5,13		
FEKA VS 750 T-NA	103040060	3X400 V~	1038	0,75	1	1,94	-	-
FEKA VS 1000 M-A	103040080	1X220 - 240 V~	1469	1	1,36	6,63	25	450
FEKA VS 1000 M-NA	103040090	1X220 - 240 V~	1469	1	1,36	6,63		
FEKA VS 1000 T-NA	103040100	3X400 V~	1374	1	1,36	2,51	-	-
FEKA VS 1200 M-A	103040120	1X220 - 240 V~	1936	1,2	1,6	8,63	30	450
FEKA VS 1200 M-NA	103040130	1X220 - 240 V~	1936	1,2	1,6	8,63		
FEKA VS 1200 T-NA	103040140	3X400 V~	1865	1,2	1,6	3,44	-	-

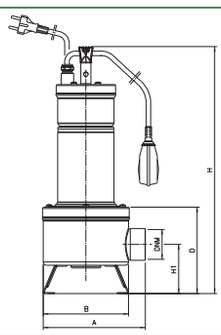


TECHNICAL DATA - VX

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	VC
FEKA VX 550 M-A	**103045000**	1X220 - 240 V~	927	0,55	0,75	4,2	20	450
FEKA VX 550 M-NA	**103045010**	1X220 - 240 V~	927	0,55	0,75	4,2		
FEKA VX 550 T-NA	**103045020**	3X400 V~	900	0,55	0,75	1,64	-	-
FEKA VX 750 M-A	**103045040**	1X220 - 240 V~	1111	0,75	1	5,13	20	450
FEKA VX 750 M-NA	**103045050**	1X220 - 240 V~	1111	0,75	1	5,13		
FEKA VX 750 T-NA	**103045060**	3X400 V~	1038	0,75	1	1,94	-	-
FEKA VX 1000 M-A	**103045080**	1X220 - 240 V~	1469	1	1,36	6,63	25	450
FEKA VX 1000 M-NA	**103045090**	1X220 - 240 V~	1469	1	1,36	6,63		
FEKA VX 1000 T-NA	**103045100**	3X400 V~	1374	1	1,36	2,51	-	-
FEKA VX 1200 M-A	**103045120**	1X220 - 240 V~	1936	1,2	1,6	8,63	30	450
FEKA VX 1200 M-NA	**103045130**	1X220 - 240 V~	1936	1,2	1,6	8,63		
FEKA VX 1200 T-NA	**103045140**	3X400 V~	1865	1,2	1,6	3,44	-	-

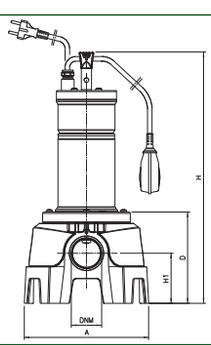
DIMENSIONS AND WEIGHTS

FEKA VS



MODEL	A	B	D	H	H1	Ø DNM	PACKAGING DIMENSIONS			FREE PASSAGE mm	WEIGHT KG	Q.TY X PALLET
							L/A	L/B	H			
FEKA VS 550	203	170	172	492	98	2"F	240	600	240	50	16,3	24
FEKA VS 750	203	170	172	492	98	2"F	240	600	240	50	17,5	24
FEKA VS 1000	203	170	172	537	98	2"F	240	600	240	50	19,3	24
FEKA VS 1200	203	170	172	537	98	2"F	240	600	240	50	20,8	24

FEKA VX



MODEL	A	D	H	H1	Ø DNM	PACKAGING DIMENSIONS			FREE PASSAGE mm	WEIGHT KG	Q.TY X PALLET
						L/A	L/B	H			
FEKA VX 550	245	179	498	98	2"F	360	600	320	50	16,7	12
FEKA VX 750	245	179	498	98	2"F	360	600	320	50	17,9	12
FEKA VX 1000	245	179	543	98	2"F	360	600	320	50	19,6	12
FEKA VX 1200	245	179	543	98	2"F	360	600	320	50	21,1	12

DAB PUMPS reserves the right to make modifications without notice

FEKA 1400 - 1800
SEWAGE PUMPS



SEWAGE AND WASTE WATER

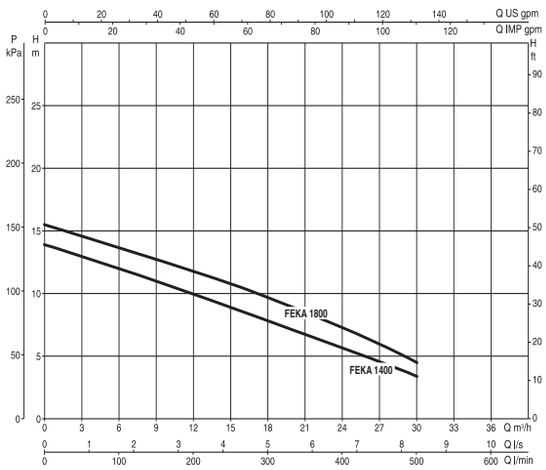
Submersible pump with cast iron pump body, motor casing and vortex impeller. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber.
Continuous duty submersible induction motor, in a watertight casing. Rotor mounted on oversized greased sealed-for-life ball bearings. Thermal protection in the windings, to be connected to the control panel. With 10 metres of neoprene rubber power cable.
In order to operate, the pumps must be equipped with a control and protection system, supplied separately and not connected to the electropumps (see accessories).

Liquid temperature range: from 0°C to +55°C.
Operating range: from 3 to 30 m^3/h with head up to 14 mt for the single-phase version and 15,5 mt for the three-phase version.
Liquid quality requirements: dirty waste water, untreated sewage containing solids and/or long fibres, always non aggressive.
Liquid temperature range: from 0°C to +55°C.
Maximum ambient temperature for pump operation with the motor emerging: +40°C.
Maximum immersion depth: 10 mt.
Installation: fixed or portable in a vertical position.
Free passage: 38 mm.

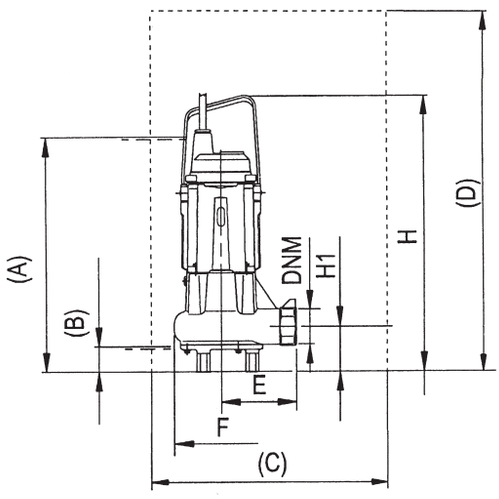
CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
FEKA 1400 M	**103010240**	1X220 - 240 V~	1,8	1,1	1,5	8,5	40	450
FEKA 1800 T	**103010360**	3X400 V	1,9	1,5	2,0	3,7	-	-



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	FØ	DNM GAS	H	H1	FREE PASSAGE mm	Q.TY X PALLET	WEIGHT KG
FEKA 1400 M	500	50	500x500 min	600 min	160	200	2"	583	94	38	6	41,2
FEKA 1800 T	500	50	500x500 min	600 min	160	200	2"	583	94	38	6	41,8

FEKA 2000
SEWAGE PUMPS



SEWAGE AND WASTE WATER

Cast iron submersible pumps vortex impeller for sewage, suitable for foul waste water with solid contents with the **42 mm** as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section and any impeller in cast iron EN GJL 200. Double mechanical seals in oil chamber: motor side carbon/alumina, pump side in silicon carbide/silicon carbide. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. For single phase version, capacitor and overcurrent protection are set in external control box supplyed with Schuko plug.
For three phase versions, thermal and overcurrent protection are responsability of the user.

Motor protection rating: IP 68.
Insulation class: F.
Continuous duty with completely immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.Supplied as standard with **10 metre H07RN-F** power cable.
Operating range: from 3 to 39 m^3/h with head up to 17 metres.
Liquid quality requirements: non-aggressive sewage, drain water.
Liquid temperature range: From 0° to + 40°.
Maximum immersion depth: 20 metres.
Installation: portable, in vertical position.
Free passage: 42 mm.

CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					DNM	FREE PASSAGE mm	Q.TY X PALLET
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A			
Feka 2015.2 MA	60145478	1X230 V~	1,6	1,1	1,5	8	50	42	8
Feka 2015.2 MNA	60145479	1X230 V~	1,6	1,1	1,5	8	50	42	8
Feka 2015.2 TNA	60145480	3X400 V~	1,5	1,1	1,5	2,8	50	42.	8
Feka 2025.2 TNA	60145481	3X400 V~	2,2	1,8	2,4	4,1	50	42	8
Feka 2030.2 TNA	60145482	3X400 V~	3,3	2,2	3	5,6	50	42	8

FEKA 2500 /2700
SEWAGE PUMPS



SEWAGE AND WASTE WATER

Cast iron submersible pumps with the vortex impeller for sewage, suitable for foul waste water with solid contents with the **62 mm** as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section and any impeller in cast iron EN GJL 200. Single mechanical seals pump side in silicon carbide/silicon carbide and radial seal in oil chamber. On request : oil chamber with water level detector kit**..** Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. For single phase version, capacitor and overcurrent protection are set in external control box supplyed with Schuko plug.
For three phase versions, thermal and overcurrent protection are responsability of the user

Motor protection rating: IP 68
Insulation class: F
Continuous duty with completely immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.Supplied as standard with **10 mt H07RN-F** power cable.
Operating range: from 6 to 48 m^3/h with head up to 17 mt.
Liquid quality requirements: Non-aggressive sewage, drain water
Liquid temperature range: From 0° to + 40°.
Maximum immersion depth: 20 mt
Installation: portable, in vertical position.
Free passage: 62 mm.

CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					DNM	FREE PASSAGE mm	WEIGHT KG	Q.TY X PALLET
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A				
FEKA 2508.4M-NA	60141722	1X230 V~	0,9	0,6	0,8	4,6	65	62	40	8
FEKA 2508.4T	60141723	3X400 V~	0,8	0,6	0,8	1,5	65	62	40	8
FEKA 2515.4T	60141724	3X400 V~	1,2	1,1	1,5	3,3	65	62	41	8
FEKA 2500.4T	103018080	3X400 V~	2,8	1,4	1,9	4,9	65	62	45	8
FEKA 2515.2T	60141726	3X400 V~	1,9	1,1	1,5	3,3	65	62	41	8
FEKA 2500.2T	103018000	3X400 V~	2,8	1,8	2,4	4,7	65	62	40	8
FEKA 2700.2T	103018040	3X400 V~	3	2,18	2,9	5,7	65	62	47	8

DAB PUMPS reserves the right to make modifications without notice

FEKA 3000 /3500/ 3700
SEWAGE PUMPS



CE

SEWAGE AND WASTE WATER

Cast iron submersible pumps with the vortex impeller for sewage, suitable for foul waste water with solid contents with the 80 mm as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section and any impeller in cast iron EN GJL 200. Double mechanical seals in oil chamber: motor side carbon/alumina, pump side in silicon carbide/silicon carbide. On request: oil chamber with water level detector kit. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. Thermal and overcurrent protection are responsability of the user; on request available already installed in the motor windings.

Motor protection rating: IP 68.
Insulation class: F.
Continuous duty with completely immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with **10 mt H07RN-F** power cable.
Operating range: from 12 to 90 m^3/h with head up to 29 mt.
Liquid quality requirements: non-aggressive sewage, drain water.
Liquid temperature range: from 0° to + 40°.
Maximum immersion depth: 20 mt.
Installation: portable, in vertical position.
Free passage: 80 mm.

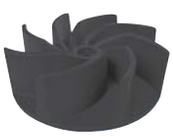
CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					DNM	FREE PASSAGE mm	WEIGHT KG	Q.TY X PALLET
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		In A				
				kW	HP					
FEKA 3030.4T	60141727	3X400 V~	2,5	1,8	2,4	5,6	80	80	80	8
FEKA 3040.4T	60141728	3X400 V~	2,8	2,8	3,7	6,3	80	80	80	8
FEKA 3000.4T	103018090	3X400 V~	4,6	3,1	4,1	9,5	80	80	80	8
FEKA 3030.2T	60141729	3X400 V~	3	2,3	3,1	5,3	80	80	67	8
FEKA 3040.2T	60141730	3X400 V~	3,5	2,9	3,9	6,1	80	80	67	8
FEKA 3000.2T	103018010	3X400 V~	5	3,6	4,8	8,8	80	80	67	8
FEKA 3500.2T	103018050	3X400 V~	6	4,2	5,6	10	80	80	67	8
FEKA 3700.2T	103018060	3X400 V~	6	5,5	7,3	11	80	80	67	8
FEKA RC 3500.2T	60141731	3X400 V~	8	4,5	6	13,5	80	80	50	8
FEKA RC 3700.2T	60141732	3X400 V~	10	5,4	7,2	16,2	80	80	50	8

FEKA 4000 /4100/ 4200
SEWAGE PUMPS


FEKA 4000



SEWAGE AND WASTE WATER

Cast iron submersible pumps with the vortex impeller for sewage, suitable for foul waste water with solid contents with the **83-98 mm** as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section and any impeller in cast iron EN GJL 200. Double mechanical seals in oil chamber: motor side carbon/steel, pump side in silicon carbide/silicon carbide. On request : oil chamber with water level detector kit**.** Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. Thermal and overcurrent protection are responsability of the user; on request available already installed in the motor windings.

Motor protection rating: IP 68
Insulation class: F
Continuous duty with completely immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.Supplied as standard with **10 mt H07RN-F** power cable.
Operating range: from 12 to 180 m^3/h with head up to 29 mt.
Liquid quality requirements: Non-aggressive sewage, drain water
Liquid temperature range: From 0° to + 40°.
Maximum immersion depth: 20 mt
Installation: portable, in vertical position.
Free passage: 83-98 mm.

CONTROL PANEL
PAG. 359

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						DNM	FREE PASSAGE mm	WEIGHT KG
		VOLTAGE 50 HZ	STARTING	P1 MAX kW	P2 NOMINAL		In A			
					kW	HP				
FEKA 4065.6T D	**60141733**	3X400 V~	DIRECT	11	4,8	6,4	22,4	100	98	143
FEKA 4050. 4T D	**60141734**	3X400 V~	DIRECT	5	3,8	5,1	9,1	100	98	138
FEKA 4000.4T D	**103018100**	3X400 V~	DIRECT	8	6	8	15	100	98	149
FEKA 4100.4T S/D	**103018510**	3X400 V~	Y/Δ	9	7,5	10	16,6	100	98	158
FEKA 4120. 4T S/D	**60141735**	3X400 V~	Y/Δ	14	8,75	11,7	25,8	100	98	142
FEKA 4100.2T S/D	**103018430**	3X400 V~	Y/Δ	14	7	9,3	27,4	100	83	148
FEKA 4125.2T S/D	**103018470**	3X400 V~	Y/Δ	20	8	10,7	33	100	83	160
FEKA 4150.2T S/D	**103018560**	3X400 V~	Y/Δ	13,5	10,8	14,4	23	100	83	160
FEKA 4180. 2T S/D	**60141736**	3X400 V~	Y/Δ	16,9	13,1	17,5	30	100	83	196
FEKA 4200.2T S/D	**103018570**	3X400 V~	Y/Δ	19	15	20	31	100	83	200

DAB PUMPS reserves the right to make modifications without notice

FEKA 6000/6100/6200/6300/8100/8200/8300

SEWAGE PUMPS



FEKA 6000





FEKA 8000



CE

SEWAGE AND WASTE WATER

Cast iron submersible pumps with the vortex impeller for sewage, suitable for foul waste water with solid contents with the **108 mm** as maximum diameter. Technopolymer upper cover with the handle. Nylon vortex impeller with the fiber glass abrasionproof resistance. Motor body, hydraulic section and any impeller in cast iron EN GJL 200. Double mechanical seals in oil chamber: motor side carbon/steel, pump side in silicon carbide/silicon carbide. Oil chamber with water level detector kit. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single-phase version capacitor under the cover. Thermal and overcurrent protection are installed in the motor windings as standard.

Motor protection rating: IP 68.
Insulation class: F.
Continuous duty with completely immersed pump.
The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with **10 metre H07RN-F** power cable.
Operating range: from 36 to 780 m^3/h with head up to 28 mt.
Liquid quality requirements: Non-aggressive sewage, drain water.
Liquid temperature range: from 0° to + 40°.
Maximum immersion depth: 20 mt.
Installation: portable, in vertical position.
Free passage: 80-108 mm.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						DNM	FREE PASSAGE mm
		VOLTAGE 50 HZ	STARTING	P1 MAX kW	P2 NOMINAL		In A		
					kW	HP			
FEKA 6075.6T	103019000	3X400 V~	Y/Δ	6,3	5,2	6,9	13	150	95
FEKA 6120.4T	103019040	3X400 V~	Y/Δ	12,7	8,5	11,3	23	150	95
FEKA 6150.4T	103019080	3X400 V~	Y/Δ	14	10,9	14,5	26	150	95
FEKA 6200.4T	103019050	3X400 V~	Y/Δ	15,8	14,9	19,9	30	150	95
FEKA 6250.4T	103019060	3X400 V~	Y/Δ	24	18,5	24,7	40	150	108
FEKA 6300.4T	103019070	3X400 V~	Y/Δ	23	21	28	45	150	108
FEKA 8150. 6T	60141737	3X400 V~	Y/Δ	11,2	8,5	11,3	23	200	80
FEKA 8200. 6T	60141738	3X400 V~	Y/Δ	13,4	11,4	15,2	31	200	80
FEKA 8250. 6T	60141739	3X400 V~	Y/Δ	16,5	13,5	18	39	200	80
FEKA 8300. 6T	60141740	3X400 V~	Y/Δ	22	19,3	25,7	46	200	80

PROTECTION AND CONTROL SYSTEMS FOR 1 PUMP

MODEL	CODE	VOLTAGE 50 HZ			STARTING	P2 NOMINAL		MAX CURRENT	N° connectable floats (1)	N° connectable pumps	TO BE USED FOR PUMP/MODEL
		1x230	3x230	3x400		kW	HP	A			
MDN	108300030	•			Direct	1,1	1,5	12	1	1	FEKA 1400 M
ED1,3M	108320320	•			Direct	1	1,36	10	1 o 2	1	FEKA 600 M-NA / FEKA GL 500 M-NA / GL 650 M-NA / GL 750 M-NA / GL 1000 M-NA / VS-VX 550 M-NA / VS-VX 750 M-NA / VS-VX 1000 M-NA / VS-VX 1200 M-NA / 2015 M-NA
ED1T	108320330			•	Direct	0,74	1	2,5	1 o 2	1	FEKA 600 T-NA/ FEKA GL 500 T / GL 650 T / GL 750 T-NA / VS-VX 550 T-NA / VS-VX 750 T-NA / 2508.4T D
ED1,5T	108320340			•	Direct	1,1	1,5	4	1 o 2	1	FEKA GL 1000 T-NA / GL 1200 T-NA / VS-VX 1000 T-NA / VS-VX 1200 T-NA / 2015 T / 2515.4T D / 2515.2T D
ED3M	108320360	•			Y/Δ	1,1	1,5	16	1 o 2	1	FEKA 1400 M / 2508.4M-NA
ED 2,5 T	108320350			•	Direct	1,8	2,5	6,3	1 o 2	1	Feka 2025 T / 2030 T / 2500.4 T / 2500.2 T / 2700.2 T / 3030.4T D / 3030.2T D / 1800 T
ED 4 T	108320610			•	Direct	3	4	10	1 o 2	1	Feka 3040.4T D / 3000.4 T/ 3040.2T D / 3000.2 T/4050.4T D
ED 7,5 T	108320630			•	Direct	5,5	7,5	16	1 o 2	1	Feka 3000.2 T / 3500.2 T / 3700.2 T / RC3500.2 T / RC 3700.2T D/
ED 7,5 T S/D	108320840			•	Y/Δ	5,5	7,5	16	1 o 2	1	Feka 6075.6 T
ED 8 T	108320640			•	Direct	6	8	20	1 o 2	1	Feka 4000.4 T
ED 15 T S/D	108320670			•	Y/Δ	11	15	25	1 o 2	1	Feka 4100.4 T / 4100.2 T / 4150.2 T / 6120.4 T / 6100.6 T / 4120.4T / 8150.6T
ED 20 T S/D	108320680			•	Y/Δ	15	20	32	1 o 2	1	Feka 4125.2 T / 4180.2 T / 4200.2 T / 6150.4 T / 6200.4 T / 8200.6 T
ED 25 T S/D	108320690			•	Y/Δ	18,5	25	45	1 o 2	1	Feka 6200.4 T / 6250.4 T / 8250.6 T
ED 30 T S/D	108320700			•	Y/Δ	22	30	63	1 o 2	1	Feka 6300.4 T / 8300.6 T

PROTECTION AND CONTROL SYSTEMS FOR 2 PUMP



E-BOX 2D
• Ideal to steer filling/draining groups
• Working with float switches (max.5)
• Working with level drills (max.5)
• Working with depths sensors (4..20mA)
• Amperometric protection
• Exchange of the pumps starting order (each start/ each 24h
• Dedicated space n the pumps capacitor's wiring panel

DAB PUMPS reserves the right to make modifications without notice

PROTECTION AND CONTROL SYSTEMS FOR 2 PUMP

MODEL	CODE	VOLTAGE 50 HZ			STARTING	P2 NOMINAL		MAX CURRENT	N° connectable floats (1)	N° connectable pumps	TO BE USED FOR PUMP/MODEL
		1x230	3x230	3x400		kW	HP	A			
E-Box 2D M/T	60114868	•	•	•	Direct	2,2	3	12 + 12	2 o 3	2	FEKA 600 M-NA /T-NA / FEKA GL 500 M-NA / GL 500 T / GL 650 M-NA / GL 650 T / GL 750 M-NA / GL 750 T -NA / GL 1000 M-NA / GL 1000 T -NA / GL 1200 T-NA / VS-VX 550 M-NA / VS 550 T-NA / VS-VX 750 M-NA / VS-VX 750 T-NA / VS-VX 1000 M-NA / VS-VX 1000 T-NA / VS-VX 1200 M-NA / 1200 T-NA / 1800 T / 2015 M-NA / 2015 T / 2025 T / 2030 T / 2508.4T / 2515.4T / 2515.2T / 2500.4 T / 2500.2 T / 2700.2 T / 3000.4 T / 3000.2 T / 3030 4T / 3030 2 T/ 3040 4T / 3040 2T / 3500.2 T / RC 3500 2T / 3700.2 T / 4065 6T / 4050 4 T
						3	4				
						5,5	7,5				
E-BOX 2D 40µF	60114869	•	•	•	Direct	2,2x5,5	2x7,5	12 + 12	2 o 3	2	FEKA 1400 M / 2508.4M-NA
E2D2,6M	108320400	•			Direct	1+1	1,36+1,36	10+ 10	2 o 3	2	FEKA GL 500 M-NA / GL 650 M-NA / GL 750 M-NA / GL 1000 M-NA / VS-VX 550 M-NA /VS-VX 750 M-NA / VS-VX 1000 M-NA / VS-VX 1200 M-NA / 2015 M-NA
E2D3T	10832450			•	Direct	1+1	1,5+1,5	1,1+1,1	2 o 3	2	FEKA GL 1000 T-NA / GL 1200 T-NA / VS-VX 1000 T-NA / VS-VX 1200 T-NA / 2015 T / 2515.4T D / 2515.2T D / 2025 T / 2030 T/ 2500 4T / 2500 2 T / 2700 2T / 3030 4 T / 3030 2 T
E2D 5 T	108320460			•	Direct	1+1	2,5+2,5	1,8+1,8	2 o 3	2	Feka 1800 T - Feka 2500.4 - Feka 2500.2 - Feka 2700.2 T
E2D 8 T	108320710			•	Direct	1+1	4+4	3+3	2 o 3	2	Feka 3000.4 T / 3040 4T / 3040 2T / 3000 2T / 4050 4T
E2D 15 T	108320730			•	Direct	1+1	7,5+7,5	5,5+5,5	2 o 3	2	Feka 3000.2 T / 3500.2 T / 3700.2 T / RC 3500 2T / 3700 2T
E2D 15 T S/D	108320850			•	Y/Δ	5,5+5,5	7,5+7,5	16+16	2 o 3	2	Feka 6075.6 T
E2D 16 T	108320740			•	DIRECT	6+6	8+8	20+20	2 o 3	2	Feka 4000.4 T
E2D 30 T S/D	108320770			•	Y/Δ	11+11	15+15	25+25	2 o 3	2	Feka 4100.4 T / 4129 4 T / 4100.2 T / 4150.2 T / 6120.4 T / 6100.6 T / 8150.6 T
E2D 40 T S/D	108320780			•	Y/Δ	15+15	20+20	32+32	2 o 3	2	Feka 4125.2 T / 4200.2 T / 6150.4 T / 4180.2 T / 8200.6 T / 6200 4T
E2D 50 T S/D	108320790			•	Y/Δ	18+18	25+25	45+45	2 o 3	2	Feka 6200.4 T / 6250.4 T / 8250.6 T
E2D 60 T S/D	108320800			•	Y/Δ	22+22	30+30	63+63	2 o 3	2	Feka 6300.4 T / 8300.6 T

PROTECTION AND CONTROL SYSTEMS FOR 3 PUMP

MODEL	CODE	VOLTAGE 50 HZ			STARTING	P2 NOMINAL		MAX CURRENT	N° connectable floats (1)	N° connectable pumps	TO BE USED FOR PUMP/MODEL
		1x230	3x230	3x400		kW	HP	A			
E3D3,9M	108330400	•			DIRECT	3 x 1	3 x 1,36	10+10+10	3 o 4	3	FEKA 2015 M-NA
E3D9M	108330410	•			DIRECT	3 x 1,1	3 x 1,5	16+16+16	3 o 4	3	FEKA 2508.4M-NA
E3D3T	108330440			•	DIRECT	3 x 0,74	3 x 1	2,5+2,5+2,5	3 o 4	3	FEKA 2508.4T
E3D4,5T	108330450			•	DIRECT	3 x 1,1	3 x 1,5	4+4+4	3 o 4	3	Feka 2015 T / 2515.4T / 2515.2T
E3D 7,5 T	60115082			•	DIRECT	3 x 1,8	3 x 2,5	6,3+6,3+6,3	3 o 4	3	Feka 2025 T / 2030 T / 2500.4 T / 2500.2 T / 2700.2 T / 2515.4 T / 2515.2 T 3030.4 T / 3030.2 T
E3D 12 T	60115083			•	DIRECT	3 x 3	3 x 4	10+10+10	3 o 4	3	Feka 3000.4 T / 3040.4 T / 3040.2 T / 4050.4 T / 3000 2 T
E3D 22,5 T	60115084			•	DIRECT	3 x 5,5	3 x 7,5	16+16+16	3 o 4	3	Feka 3000.2 T / 3500.2 T / 3700.2 T / RC 3500.2 T / RC 3700.2 T
E3D 22,5 T S/D	60115086			•	Y/Δ	3 x 5,5	3 x 7,5	16+16+16	3 o 4	3	Feka 6075.6 T
E3D 24 T	60115085			•	DIRECT	3 x 6	3 x 8	20+20+20	3 o 4	3	Feka 4000.4 T
E3D 45 T S/D	60115087			•	Y/Δ	3 x 11	3 x 15	25+25+25	3 o 4	3	Feka 4100.4 T / 4100.2 T / 4150.2 T / 6120.4 T/ 6100.6 T / 4120.4 T / 8150.6 T
E3D 60 T S/D	60115088			•	Y/Δ	3 x 15	3 x 20	32+32+32	3 o 4	3	Feka 4125.2 T / 4200.2 T / 4180.2 T / 6150.4T / 6200.4T / 8200.6 T
E3D 75 T S/D	60115089			•	Y/Δ	3 x 18,5	3 x 25	45+45+45	3 o 4	3	Feka 6200.4 T / 6250.4 T / 8250.6 T
E3D 90 T S/D	60115090			•	Y/Δ	3 x 22	3 x 30	63+63+63	3 o 4	3	Feka 6300.4 T / 8300.6 T



CE

EMERGENCY SYSTEM

The new SOCCORRER systems are suitable for civil and industrial installations wherein a 230 V single-phase electric pump must be powered and a **temporary power loss** may result in flooding of rooms located under the level of the water-drainage system, resulting in possible **damage to property or personal injury.**



Applications
The system must be selected on the basis of the characteristics of the room to be protected against flooding and the power of the electric pump to be installed. To guarantee increased safety against the risk of flooding, two electric pumps should be installed (E.P.S. systems only) for the following reasons:
- in the event of a malfunction of one electric pump, system operation is guaranteed by the reserve pump.
- in the event of exceptional rainfall, dual operation is possible.

TECHNICAL DATA

SOCCORRER SINGLE EXIT				1 SINGLE PHASE PUMP FUNCTIONING (only well) M-A and M-NA	2 SINGLE PHASE PUMPS FUNCTIONING (only well) only M-NA 2 SINGLE PHASE PUMPS FUNCTIONING (2 different wells) only M-A
MODEL	CODE	n° of BATTERIES	Pump Max Current Ampere	PUMP MODEL (MINUTES)	PUMP MODEL (MINUTES)
SOCCORRER 500	**60112712**	4 x 12Ah	1,9	1 x Nova 180 (106 min.) 1 x Nova 200 (63 min.) 1 x Nova 300 (60 min.)	-
SOCCORRER 600	**60112713**	2 x 45 Ah	2,3	1 x Nova 180 (166 min.) 1 x Nova 200 (100 min.) 1 x Nova 300 (93 min.)	2 x Nova 180 (83 min.)
SOCCORRER 600	**60112714**	2 x 60 Ah	2,3	1 x Nova 180 (230 min.) 1 x Nova 200 (138 min.) 1 x Nova 300 (129 min.)	2 x Nova 180 (115 min.)
SOCCORRER 1000 PLUS	**60141874**	2 x 45 Ah	4,2	1 x Nova 600 (47 min.)	2 x Nova 200 (54 min.) 2 x Nova 300 (50 min.)
SOCCORRER 1000 PLUS	**60141875**	2 x 60 Ah	4,2	1 x Nova 600 (65 min.) 1 x Feka VS-VX 550 (49 min.)	2 x Nova 200 (73 min.) 2 x Nova 300 (66 min.)
SOCCORRER 1000 PLUS	**60141876**	2 x 100 Ah	4,2	1 x Nova 600 (123 min.) 1 x Feka VS-VX 550 (88 min.)	2 x Nova 200 (140 min.) 2 x Nova 300 (130 min.)

DAB PUMPS reserves the right to make modifications without notice

SOCCORRER SINGLE EXIT				1 SINGLE PHASE PUMP FUNCTIONING (only well) M-A and M-NA	2 SINGLE PHASE PUMPS FUNCTIONING (only well) only M-NA 2 SINGLE PHASE PUMPS FUNCTIONING (2 different wells) only M-A
MODEL	CODE	n° of BATTERIES	Pump Max Current Ampere	PUMP MODEL (MINUTES)	PUMP MODEL (MINUTES)
SOCCORRER 1500	**60112726**	4 x 60 Ah	5,7	1 x Nova 600 (121 min.) 1 x Feka 600 M (95 min.) 1 x Feka VS-VX 550 (98 min.) 1 x Feka VS-VX 750 (80 min.)	-
SOCCORRER 1500	**60112727**	4 x 100 Ah	5,7	1 x Nova 600 M (218 min.) 1 x Feka 600 M (172 min.) 1 x Feka VS-VX 550 (176 min.) 1 x Feka VS-VX 750 (144 min.)	-
SOCCORRER 2000	**60112730**	4 x 60 Ah	7,6	1 x Feka VS-VX 1000 (min. 62) 1 x Drenag 1000 (min. 68) 1 x Drenag 1200 (min. 55)	2 x Nova 600 (60 min.)
SOCCORRER 2000	**60112731**	4 x 100 Ah	7,6	1 x Feka VS-VX 1000 (min. 109) 1 x Drenag 1000 (min. 120) 1 x Drenag 1200 (min. 96)	2 x Nova 600 (106 min.)
SOCCORRER 2500	**60112735**	4 x 60 Ah	9,6	1 x Feka VS-VX 1200 (min. 47) 1 x Drenag 1400 (min. 44) 1 x Feka 1400 (min. 47)	2 x Feka 600 (min. 47) 2 x Feka VS-VX 550 (min. 48)
SOCCORRER 2500	**60112736**	4 x 100 Ah	9,6	1 xFeka VS-VX 1200 (min. 83) 1 x Drenag 1400 (min. 78) 1 x Feka 1400 (min. 85)	2 x Feka 600 (min. 84) 2 x Feka VS-VX 550 (min. 86)
SOCCORRER 3000	**60112739**	4 x 60 Ah	11,5		2 x Feka VS-VX 750 (min. 40)
SOCCORRER 3000	**60112740**	4 x 100 Ah	11,5		2 x Feka VS-VX 750 (min. 66)
SOCCORRER 4000	**60112743**	4 x 100 Ah	15,2	-	2 x Feka VS-VX 1000 (min. 60)
SOCCORRER 4000	**60112744**	4 x 180 Ah	15,2	1 x Feka VS-VX 1000 (min. 220) 1 x Feka VS-VX 1200 (min. 169) 1 x Drenag 1000 (min. 243) 1 x Drenag 1200 (min. 195) 1 x Drenag 1400 (min. 159) 1 xFeka 1400 (min. 172)	2 x Feka VS-VX 1000 (min. 108)
SOCCORRER 5000	**60112747**	4 x 100 Ah	20	-	2 x Feka VS-VX 1200 (min. 41) 2 x Drenag 1400 (min. 37) 2 x Feka 1400 (min. 42)
SOCCORRER 5000	**60112748**	4 x 180 Ah	20	-	2 xFeka VS-VX 1200 (min. 73) 2 x Drenag 1400 (min. 66) 2 x Feka 1400 (min. 75)

SOCCORRER ALTERNATE DOUBLE EXIT				2 SINGLE PHASE ALTERNATE FUNCTIONING (only well) M-A e M-NA	ALTERNATE FUNCTIONING + 2 SINGLE PHASE PUMPS SIMULTANEOUS (only well) M-A e M-NA
MODEL	CODE	n° of BATTERIES	Pump Max Current Ampere	PUMP MODEL (MINUTES)	PUMP MODEL (MINUTES)
SOCCORRER 600	**60112716**	2 x 45 Ah	2,3	1 x Nova 180 (166 min.) 1 x Nova 200 (100 min.) 1 x Nova 300 (93 min.)	2 x Nova 180 (166/83 min.)
SOCCORRER 600	**60112717**	2 x 60 Ah	2,3	1 x Nova 180 (230 min.) 1 x Nova 200 (138 min.) 1 x Nova 300 (129 min.)	2 x Nova 180 (230/115 min.)
SOCCORRER 1000 PLUS	**60141878**	2 x 45 Ah	4,2	1 x Nova 600 (47 min.)	2 x Nova 200 (108/54 min.) 2 x Nova 300 (100/50 min.)
SOCCORRER 1000 PLUS	**60141879**	2 x 60 Ah	4,2	1 x Nova 600 (65 min.) 1 x Feka VS-VX 550 (49 min.)	2 x Nova 200 (146/73 min.) - 2 x Nova 300 (132/66 min.)
SOCCORRER 1000 PLUS	**60141880**	2 x 100 Ah	4,2	1 x Nova 600 (123 min.) 1 x Feka VS-VX 550 (88 min.)	2 x Nova 200 (280/140 min.) 2 x Nova 300 (260/130 min.)
SOCCORRER 1500	**60112728**	4 x 60 Ah	5,7	1 x Nova 600 (121 min.) 1 x Feka 600 M (95 min.) 1 x Feka VS-VX 550 (98 min.) 1 x Feka VS-VX 750 (80 min.)	-
SOCCORRER 1500	**60112729**	4 x 100 Ah	5,7	1 x Nova 600 M (218 min.) 1 x Feka 600 M (172 min.) 1 x Feka VS-VX 550 (176 min.) 1 x Feka VS-VX 750 (144 min.)	-
SOCCORRER 2000	**60112732**	4 x 60 Ah	7,6	1 x Feka VS-VX 1000 (min. 62) 1 x Drenag 1000 (min. 68) 1 x Drenag 1200 (min. 55)	2 x Nova 600 (120/60 min.)
SOCCORRER 2000	**60112733**	4 x 100 Ah	7,6	1 x Feka VS-VX 1000 (min. 109) 1 x Drenag 1000 (min. 120) 1 x Drenag 1200 (min. 96)	2 x Nova 600 (212/106 min.)
SOCCORRER 2500	**60112737**	4 x 60 Ah	9,6	1 x Feka VS-VX 1200 (min. 47) 1 x Drenag 1400 (min. 44) 1 x Feka 1400 (min. 47)	2 x Feka 600 (min. 94/47) 2 x Feka VS-VX 550 (min. 96/48)
SOCCORRER 2500	**60112738**	4 x 100 Ah	9,6	1 xFeka VS-VX 1200 (min. 83) 1 x Drenag 1400 (min. 78) 1 x Feka 1400 (min. 85)	2 x Feka 600 (min.168/84) 2 x Feka VS-VX 550 (min. 172/86)
SOCCORRER 3000	**60112741**	4 x 60 Ah	11,5		2 x Feka VS-VX 750 (min. 80/40)
SOCCORRER 3000	**60112742**	4 x 100 Ah	11,5	-	2 x Feka VS-VX 750 (min. 132/66)
SOCCORRER 4000	**60112745**	4 x 100 Ah	15,2	-	2 x Feka VS-VX 1000 (min. 120/60)
SOCCORRER 4000	**60112746**	4 x 180 Ah	15,2	1 x Feka VS-VX 1000 (min. 220) 1 x Feka VS-VX 1200 (min. 169) 1 x Drenag 1000 (min. 243) 1 x Drenag 1200 (min. 195) 1 x Drenag 1400 (min. 159) 1 x Feka 1400 (min. 172)	2 x Feka VS-VX 1000 (min. 216/108)
SOCCORRER 5000	**60112749**	4 x 100 Ah	20	-	2 x Feka VS-VX 1200 (min. 82/41) 2 x Drenag 1400 (min. 74/37) 2 x Feka 1400 (min. 84/42)
SOCCORRER 5000	**60112750**	4 x 180 Ah	20	-	2 xFeka VS-VX 1200 (min. 146/73) 2 x Drenag 1400 (min. 132/66) 2 x Feka 1400 (min. 150/75)

DAB PUMPS reserves the right to make modifications without notice

NOVAPOND
SUBMERSIBLE PUMPS



CE

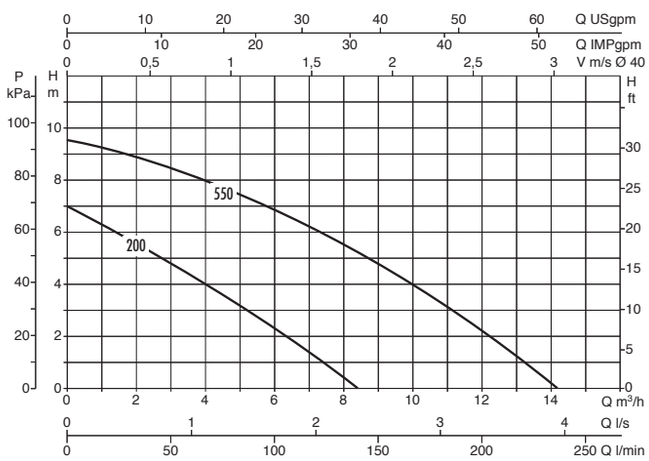
PUMPS FOR PONDS AND FOUNTAIN

The models NovaPond are submersible pumps specially designed for the recirculation of water in garden ponds, to create waterfalls or other water features. They are designed to pump clean water containing solid particles with a maximum diameter of 10 mm.
Suitable for continuous operation.
Designed for horizontal or vertical installation.
Environmentally safe.

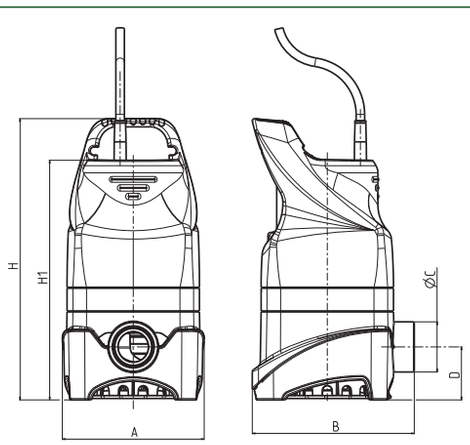
Materials resistant to corrosion and oxidation.
Motor with thermal overload protection.
Adjustable suction filter to enable transit of solid particles with a diameter from 5 mm to 10 mm.
Supplied with power cable and plug, and self-sealing coupling.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		IN A
				kW	HP	
NOVAPOND 200 M	**60122681**	1X230 V~	280	0,2	0,28	1,3
NOVAPOND 550 M	**60122684**	1X230 V~	750	0,55	0,75	3,3



DIMENSIONS AND WEIGHTS



MODEL	A	B	ØC	D	H	H1	DNM GAS	CABLE	WEIGHT KG	Q.TY X PALLETS
NOVAPOND 200 M	150	170	53	56	300	255	1¹/4"	10 mt.	4,3	48
NOVAPOND 550 M	150	170	53	56	330	285	1¹/4"	10 mt.	6,2	48

NINPHAEA
SUBMERSIBLE PUMPS



CE

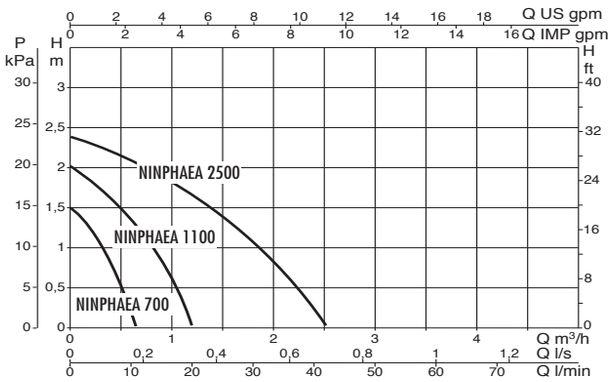
PUMPS FOR PONDS AND FOUNTAIN

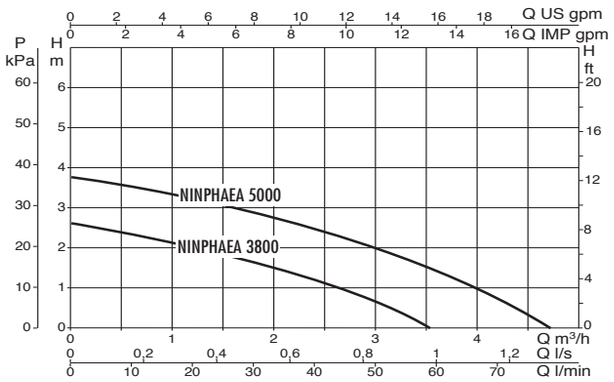
Fountain and pond pumps.
Use of ceramic parts in order to reduce wear and tear.
Filtering with a double grid, without sponge, to keep maintenance low.

Thermally protected, any possible damage to the motor is avoided thanks to the thermo protector.
Impeller designed to expel dirt and solid particles.

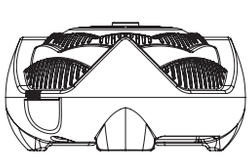
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA		
		VOLTAGE 50 HZ	P1 MAX W	P2 NOMINAL W
NINPHAEA 1	60122685	1X230 V~	13	10
NINPHAEA 2	60122686	1X230 V~	20	15
NINPHAEA 3	60122687	1X230 V~	45	35
NINPHAEA 4	60122688	1X230 V~	75	55
NINPHAEA 5	60122689	1X230 V~	95	75





DIMENSIONS AND WEIGHTS



MODEL	l	p	h	Ø	DNM GAS	CABLE	WEIGHT KG	Q.TY X PALLETS
NINPHAEA 700	20	20	11	3/4"	¾"	10 mt.	1	96
NINPHAEA 1100	22	22	12	3/4"	¾"	10 mt.	1,5	96
NINPHAEA 2500	24,5	24,5	13	3/4"	¾"	10 mt.	1,8	48
NINPHAEA 3800	26,5	26,5	14	3/4"	¾"	10 mt.	2,2	32
NINPHAEA 5000	29	29	15	3/4"	¾"	10 mt.	2,7	32

DAB PUMPS reserves the right to make modifications without notice

NOVAIR
SUBMERGED AERATOR

NEW

AERATOR FOR SMALL WASTE WATER TREATMENT SYSTEMS



The submerged aerator is designed for liquid waste aeration in small water treatment systems. Other fields of application include pond water oxygenation and fish farms. Thanks to its specific design, the new **NOVAIR** system guarantees optimal oxygenation of water treatment plants by means of a large and thick cloud of fine bubbles. The fluid dynamics study has been mainly focused on the impeller's blade profiles, with a view to avoid damaging microorganisms present in the water when starting operation. As the aerator is installed vertically, its body is supplied with a supporting base.
Technically speaking, motor cooling is guaranteed by large contact surfaces between motor casing and the liquid. The power cable is coated with resin against humidity and leaks and cabling has been made easier, in order to favour maintenance operations and cable replacement. The excellent wear resistance of the stainless steel motor shaft, with ceramic bush around the sealing rings, guarantees long product durability.

Pump body, cable cover and impeller in technopolymer. Two-pole asynchronous submergible type motor from 0.18 and 0.4 kW with built-in thermal protection and permanently connected capacitor installed in the cable compartment. Steel motor shaft mounted on oversized, greased sealed-forlife ball bearings with ceramic bush. Triple interposed ring seal with oil pre-chamber.
Operating range: air delivery 2 - 17 m^3/h for depths from 20-90 cm, from the inlet axls.
Protection level: IP68.
Insulating class: F.
Liquid temperature range: from 0 °C to 35 °C according to EN 60335-2-41 standard for domestic use.
Liquid quality requirements: sewage from septic tank fibre-less and free from solids, and clear water.
Sigle-phase: 220 – 240 V/ 50 Hz.
Power cable: H07RNF8-F of 2 mt, 5mt e 10 mt and SCHUKO plug available. Supplied with gasket and 90 degrees band for vertical inlet.

MODEL	P2 NOMINAL		Q AIR m^3/h - l/min	1 16,6	2 33,3	3 50	4 66,6	6 100	8 133,3	10 166,6	12 200	14 233,3	17,5 291,6
	kW	HP											
NOVAIR 200	0,18	0,24	Depth (cm,)	80	60	45	30	20					
NOVAIR 600	0,40	0,54		90	85	75	65	57	50	42,5	34	27	20

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					AIR DELIVERY MAX m^3/h	DEPTH		DNM GAS	CABLE	WEIGHT KG	Q.TY X PALLET
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		IN A		MAX cm	MIN cm				
				kW	HP								
NOVAIR 200 M-NA	60145324	1X220- 240 V~	0,28	0,18	0,24	1,4	8	80	20	1"	2 mt / H07RN8-F	3,5	32
NOVAIR 200 M-NA	60145325	1X220- 240 V~	0,28	0,18	0,24	1,4	8	80	20	1"	5 mt / H07RN8-F	3,5	32
NOVAIR 200 M-NA	60145507	1X220- 240 V~	0,28	0,18	0,24	1,4	8	80	20	1"	10 mt / H07RN8-F	3,5	32
NOVAIR 600 M-NA	60145326	1X220- 240 V~	0,63	0.40	0,54	3	17.5	90	20	1 1/4"	2 mt / H07RN8-F	5,4	32
NOVAIR 600 M-NA	60145327	1X220- 240 V~	0,63	0.40	0,54	3	17.5	90	20	1 1/4"	5 mt / H07RN8-F	5,4	32
NOVAIR 600 M-NA	60145508	1X220- 240 V~	0,63	0.40	0,54	3	17.5	90	20	1 1/4"	10 mt / H07RN8-F	5,4	32

FEKALIFT

SMALL LIFTING STATIONS FOR AUTOMATIC COLLECTING AND PUMPING SEWAGE



FEKALIFT 100 - WC



FEKALIFT 300 - WC



FEKALIFT 200
WC - SINK

CE

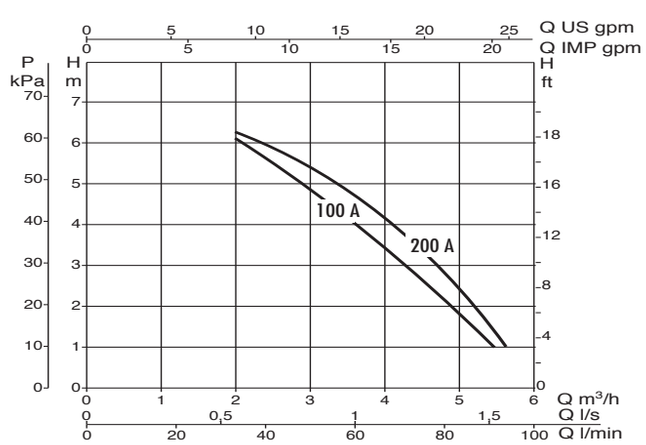
WASTE WATER

Small lifting stations for automatic collecting and pumping sewage. Its use is necessary whenever the waste water can not be expelled by gravity. The lifting station is mounted directly behind the WC and is therefore unaffected by the type of waste piping and unions.
This lifting station can be used wherever an additional toilet is required during new building work, renovations and structural modifications. Depending on the model, a shower, bidet and washbasin can beconnected together with the WC.
The inflow water from the sanitary ware connected to the system automatically turns on the Fekalift 100/200 when there is an increase in the water level of approximately 8 cm and is automatically turned off when thelevel drops by approximately 3 cm. The solids and excrement that arrive from the toilet are chopped andforced into the general waste pipe through the pressure pipe. The Fekalift 100/200 can be connected to any European standards WC with horizontal waste. At least 6 litres of water must be available each time flushing is performed. Water saving push button flushes are advised.
The appealing design, technical innovation and manufacturing quality make FEKALIFT an indispensable item for the fitting of a supplementary toilet, above or below the backwater level (based on the DIN 1986 standard).
The Fekalift 100 and Fekalift 200 systems are suitable for water temperatures up to 60°C and are resistant to slightly acidic substances. Avoid the discharge of water containing greasy or oily substances into the Fekalift 100 and Fekalift 200.
The motor, powerful yet noiseless, the pump and the grinding device are made of stainless steel.
The integrated pump purifying system makes the station practically maintenance free.
Easy to install, it is also designed for connection of a shower base with 12 cm drain height.
The forced side duct with built-in no-return valve allows the cover to be removed without having to remove the delivery pipe.
Power input: 1x230 V~ 50 Hz.
Insulation class: B.
Speed of rotation: 3000 1/min.
Operation: automatic.
Approval: VDE - GS.
Built to: DIN 19762.
Capacity: 11 lt (Fekalift 100A).
16 lt (Fekalift 200A).
11 lt (Fekalift 300A).
Protection level: IP44.

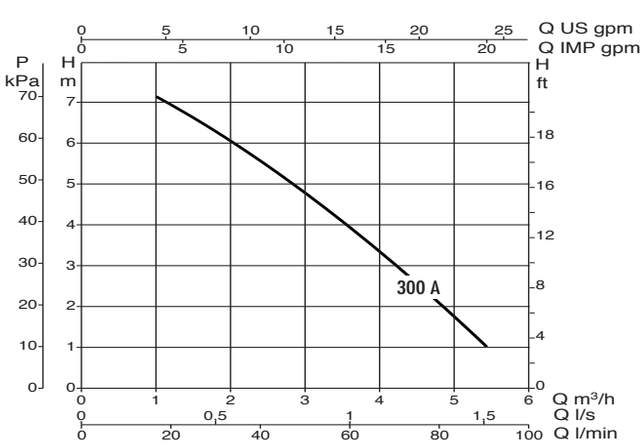
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 HZ	P2 NOMINAL		IN A
			kW	HP	
FEKALIFT 100 - A	60124298	1 x 230 V ~	0,4	0,55	1,9
FEKALIFT 200 - A	60124299	1 x 230 V ~	0,4	0,55	1,9
FEKALIFT 300 - A	60124300	1 x 230 V ~	0,4	0,55	1,8

FEKALIFT 100A - 200A



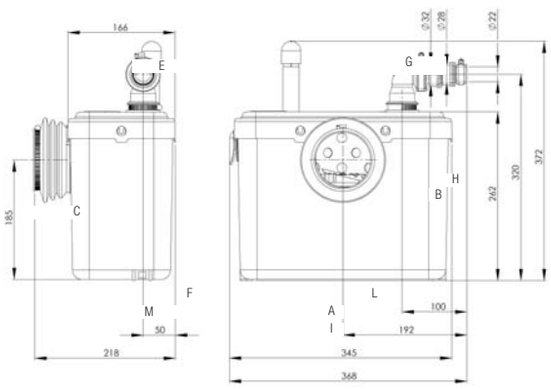
FEKALIFT 300A



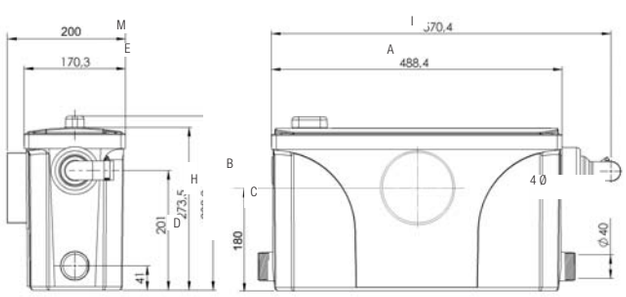
DAB PUMPS reserves the right to make modifications without notice

DIMENSIONS AND WEIGHTS

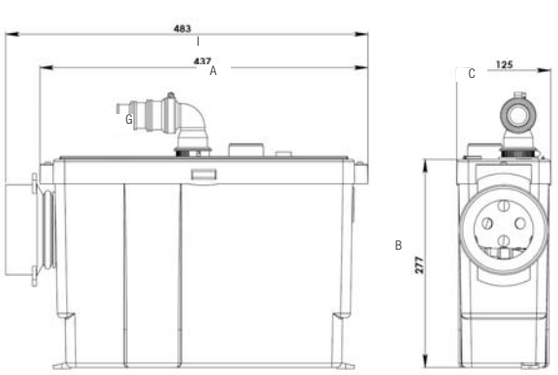
FEKALIFT 100A



FEKALIFT 200A



FEKALIFT 300A



MODEL	A	B	C	D	E	F	GØ	H	I	L	M	DNM MM	WEIGHT KG
FEKALIFT 100A	345	262	185	13	166	50	DN22/DN28/DN32	320	368	192	218	22/28/32	5,8
FEKALIFT 200A	488	292	180	41	170		40	201	570		200	28	7,5
FEKALIFT 300A	437	277	125				DN22/DN28/DN32		463			22/28/32	7

NOVABOX

AUTOMATIC STATIONS FOR COLLECTING AND LIFTING WASTE WATER



CE

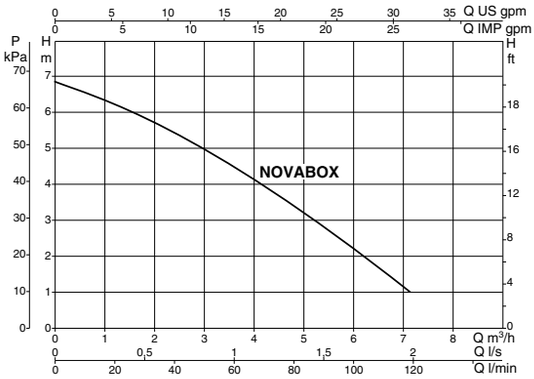
WASTE WATER

Automatic stations for collecting and lifting domestic waste water from bath tubs, wash basins, showers and washing machines located in basements or below the level of the sewage network.
Equipped with a NOVA 300 electropump with 5 metres of power cable and plug mounted on a technopolymer plate, a 30-litre container in technopolymer and a check valve on delivery.
Supplied with pump already assembled, ready to use.

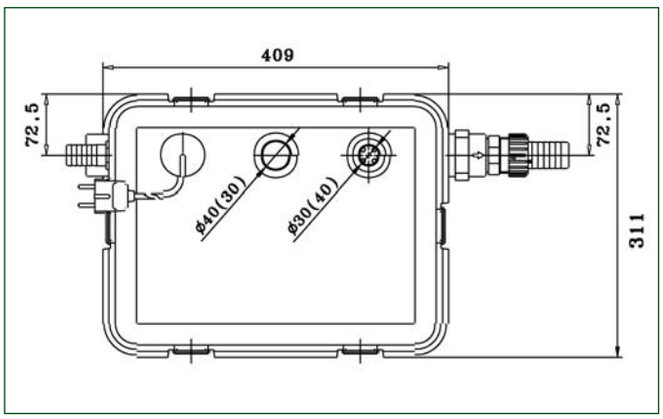
Operating range: from 1 to 7,2 m^3/h with head up to 6.9 metres.
Liquid temperature range: +50°C +90°C for a max. time of 3 min.
Pumped liquid: waste water free from solids and/or fibres.
Pump motor protection level: IP 68.
Motor insulation class: F.

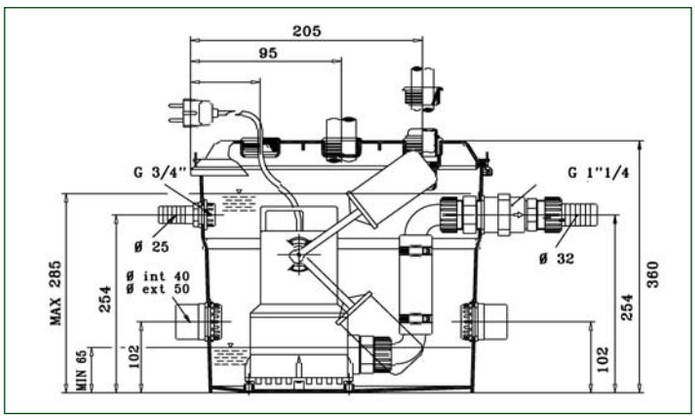
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 50 HZ	P1 MAX kW	P2 NOMINAL		IN A	CAPACITOR	
				kW	HP		µF	Vc
NOVABOX 30/300.1M	503110304	1x220-240 V ~	0,29	0,22	0,3	1,3	8	450
NOVABOX 30/300.1M - SV	503110334	1x220-240 V ~	0,29	0,22	0,3	1,3	-	-



DIMENSIONS AND WEIGHTS





MODEL	A	B	C	D	E	F	H	H1	H2	PACKAGING DIMENSIONS			WEIGHT KG
										L/A	L/B	H	
NOVABOX 30/300.1	407	309	94	204	314	72	360	100	254	45	33	38	9,2

DAB PUMPS reserves the right to make modifications without notice

FEKABOX 110

AUTOMATIC PUMPING STATION



CE

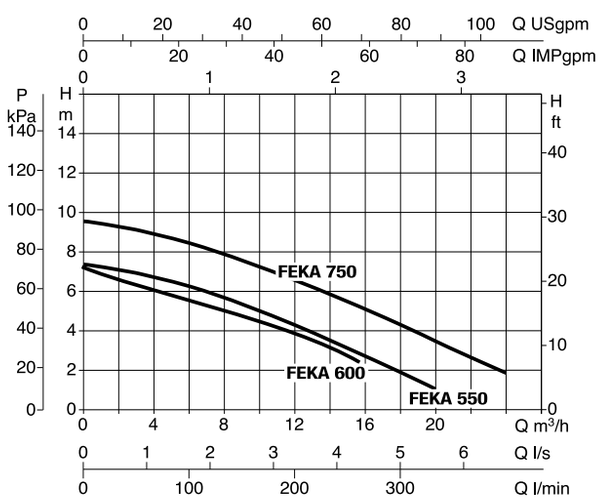
WASTE WATER COLLECTION AND LIFTING

Automatic collection and lifting stations, used for collecting and pumping civil waste water in sewers.
FEKABOX 110 is made of a 110 litres polyethylene tank with cover including plastic seal.
Fekabox series is suitable only for the use of one single phase automatic pump from the following: **FEKA 600 M/A - FEKA VS 550 M/A - FEKA VS 750 M/A - FEKA VX 550 M/A - FEKA VX 750 M/A, to be ordered separately.**

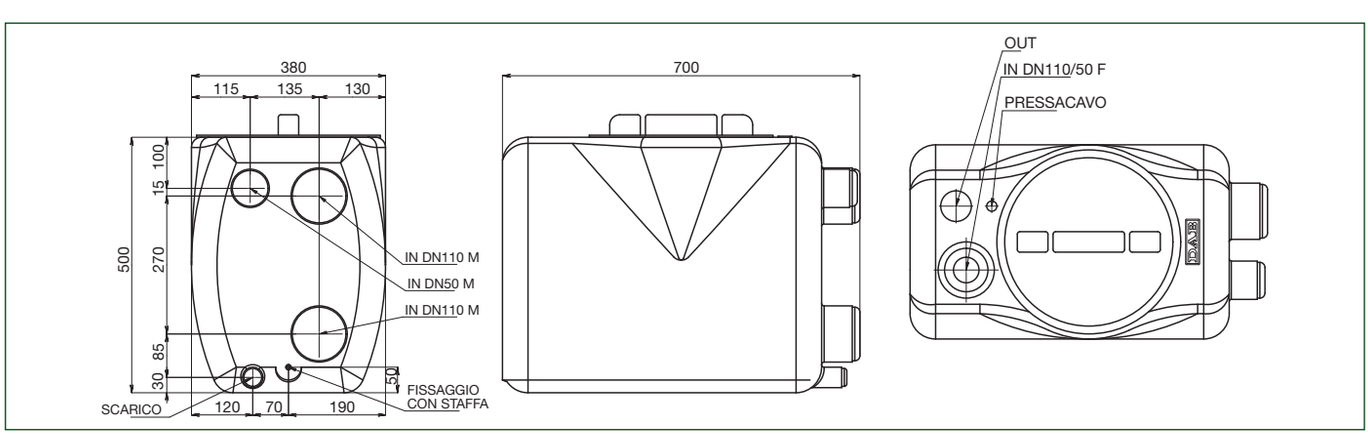
Complete with: 2" PVC unions and cable gland.
Operating range: from 1 to 24 m^3/h with head up to 9 m.
Liquid temperature range: + 50°C.
Pumped liquid: sewage and household waste.

TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]
FEKABOX 110	**60123162**	110	700x380x560	FEKA 600 MA, FEKA VS/VX 550-750 MA	3xDN110, 2xDN50 inlet 1xDN50 ventilation 1xDN40 emergengy emptying



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	F	G	H	H1	H2	H3	H4	H5	I	WEIGHT KG.
FEKABOX 110	700	190	70	120	380	115	135	270	100	15	85	30	50	130	8,5

SUBMERSIBLE PUMPS

FEKABOX 200

AUTOMATIC PUMPING STATION



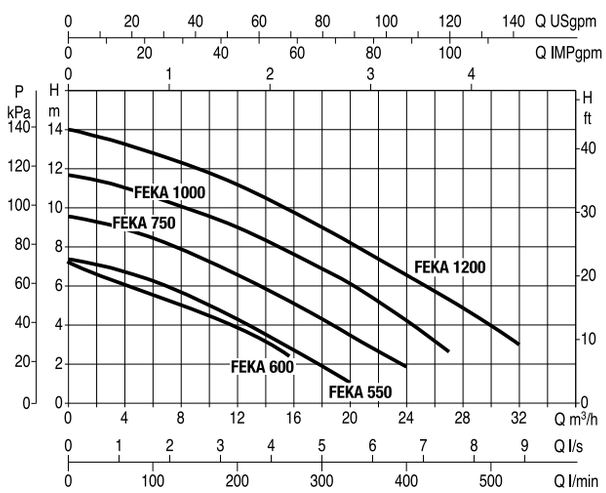
WASTE WATER COLLECTION AND LIFTING

Automatic collection and lifting stations, used for collecting and pumping civil and industrial waste water in sewers.
Comprises a high density 200 litre polythene tank with removable cover complete with a watertight and gastight seal.

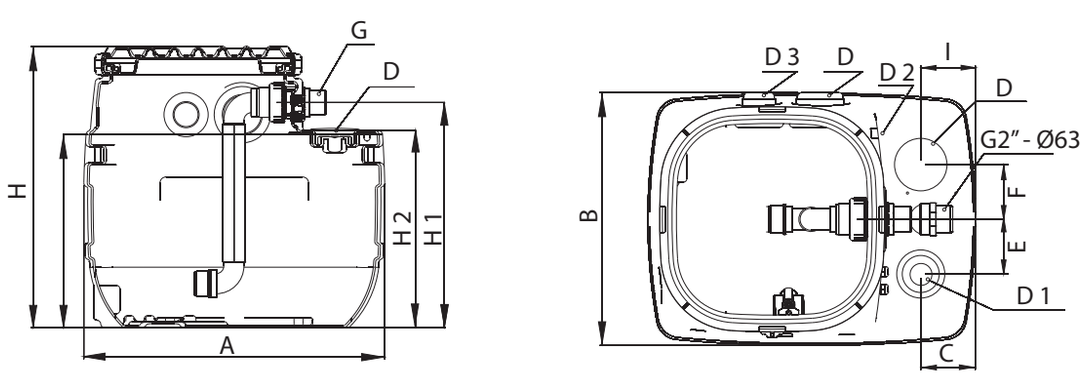
Fekabox series is suitable only for the use of one single phase automatic pump from the following: **FEKA 600 MA, FEKA VS/VX 550-750-1000-1200 MA, GRINDER GL 1000 MA, to be ordered separately.**
Complete with: 2" PVC unions special cable holder and cable gland, DN50 and DN110 suction manifolds and 2" delivery manifolds. Complete with connector for DN50 vent tube. An alarm float can be used on request.
Operating range: from 1 to 32 m^3/h with a head of up to 15 m
Liquid temperature range: +50°C
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]
FEKABOX 200	**60116632**	200	750x579x700	FEKA 600 MA, FEKA VS/VX 550-750-1000-1200 MA GRINDER GL 1000 MA	3xDN110, 1xDN50, 1xDN75 inlet 1xDN75 ventilation 1xDN40 emergency emptying



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	D1	D2	D3	E	F	G	H	H1	H2	I	WEIGHT KG.
FEKABOX 200	750	579	124,5	DN 110	DN 50/110	DN 75	DN 110	125	125	2"	700	560	490	124,5	25

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FEKABOX 280
AUTOMATIC PUMPING STATION





CE

WASTE WATER COLLECTION AND LIFTING

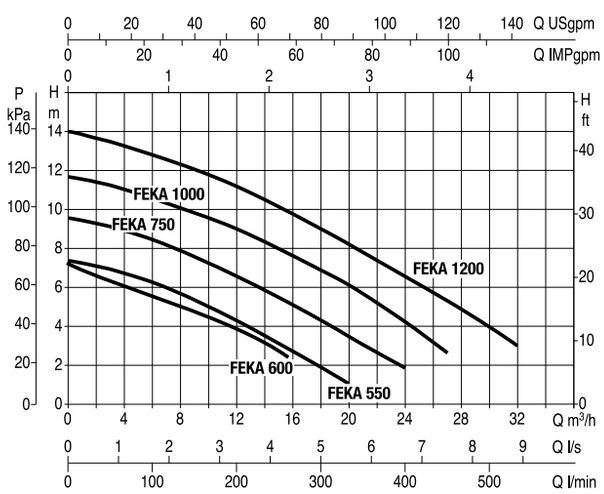
Automatic collection and lifting stations, used for collecting and pumping civil and industrial waste water in sewers. Comprises a high density 280 litre polythene tank with removable cover complete with a watertight and gastight seal.

Fekabox series is suitable only for the use of one single phase automatic pump from the following: **FEKA 600 M-A - FEKA VS 550 M/A - FEKA VS 750 M/A - FEKA VX 550 M/A - FEKA VX 750 M/A, GRINDER GL 1000 MA to be ordered separately.**

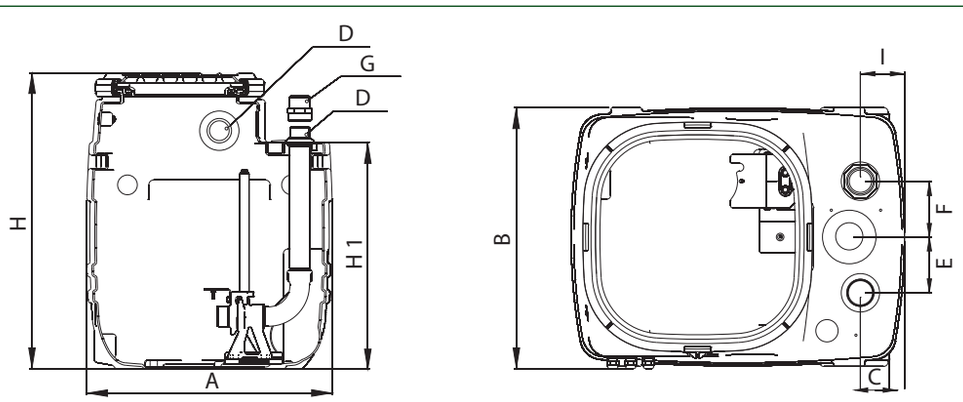
Complete with: special cable holder, DN50 and DN110 suction manifolds and 2" delivery manifolds.
Complete with connector for DN50 vent tube. An alarm float can be used on request. Complete with lifting device (DSD2) for making pump maintenance easier.
Operating range: from 1 to 32 m^3/h with a head of up to 23 m.
Liquid temperature range: +50°C.
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]
FEKABOX 280	**60114028**	280	750x585x900	FEKA 600 MA, FEKA VS/VX 550-750-1000-1200 MA GRINDER GL 1000 MA	2xDN150,3xDN110, 2xDN50 inlet 1xDN50 ventilation 1xDN40 emergengy emptying



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	F	G	H	H1	I	WEIGHT KG.
FEKABOX 280	750	585	99	DN 50/110	125	125	2" - Ø 63	900	690	124,5	34

FEKAFOS 200
AUTOMATIC PUMPING STATION



CE

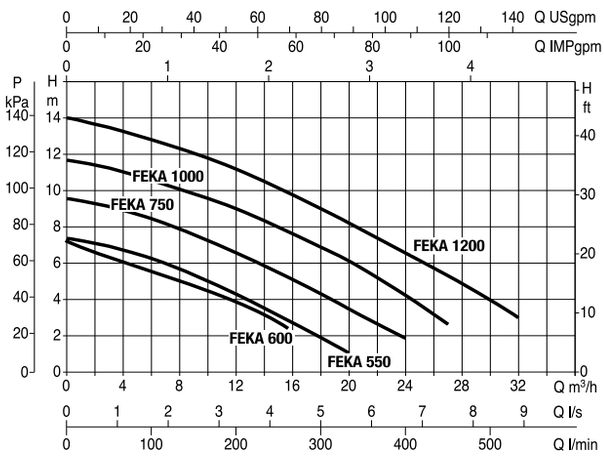
WASTE WATER COLLECTION AND LIFTING

Automatic collection and lifting stations, used for collecting and pumping civil and industrial waste water in sewers. Comprises a high density 200 litre polythene tank with removable cover complete with a watertight and gastight seal.
Fekafos series is suitable only for the use of one not automatic single/triphase pump from the following: **FEKA 600 M-NA - FEKA VS-VX 550 M-NA /T-NA - FEKA VS-VX 750 M-NA /T-NA - FEKA VS-VX 1000 M-NA /T-NA - FEKA VS-VX 1200 M-NA /T-NA, GRINDER 1000-1200-1600T, GRINDER 1400 M -1800 T, to be ordered separately.**

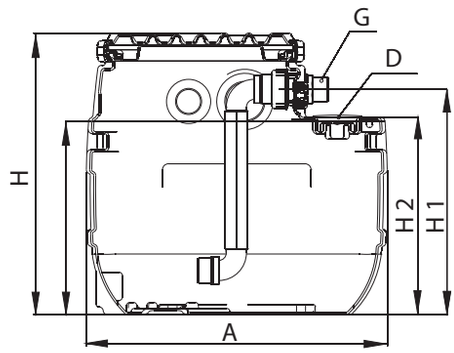
Complete with: 2 bulb floats mounted on a stainless steel support, cable holder for connecting the float and pump cables to the electrical panel (**to order separately according to the performance range table**).
Complete with: 2" PVC unions, DN50 and DN110 suction manifolds and 2" delivery manifolds.
Complete with connector for DN50 vent tube.
An alarm float can be used on request.
Operating range: from 1 to 32 m^3/h with a head of up to 23 m.
Liquid temperature range: +50°C.
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

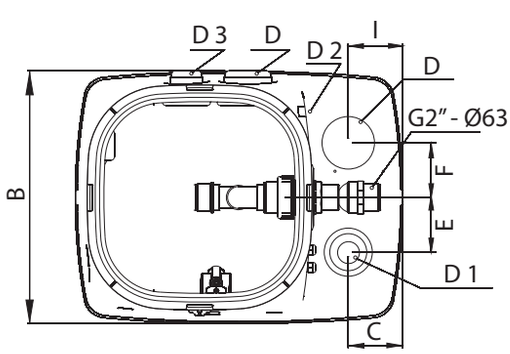
TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]
FEKAFOS 200	**60114041**	200	750x579x700	FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 T, GRINDER 1400 M-1800 T	3xDN110,1xDN50, 1xDN75 inlet 1xDN50 ventilation 1xDN40 emergengy emptying



DIMENSIONS AND WEIGHTS





MODEL	A	B	C	D	D1	D2	D3	E	F	G	H	H1	H2	I	WEIGHT KG.
FEKAFOS 200	750	579	124,5	DN 110	DN 50/110	DN 50	DN 75	125	125	2"	700	560	490	124,5	34

DAB PUMPS reserves the right to make modifications without notice

FEKAFOS 280
AUTOMATIC PUMPING STATION



CE

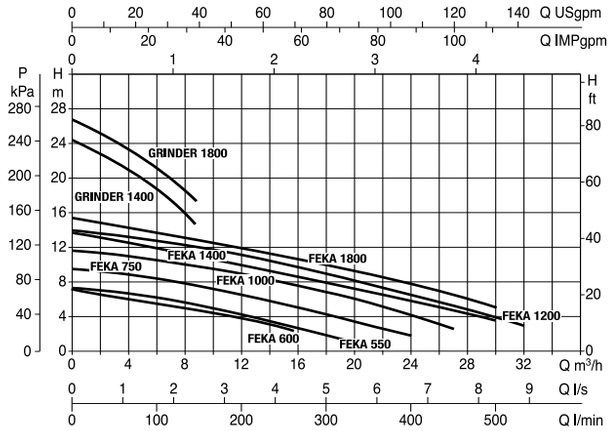
WASTE WATER COLLECTION AND LIFTING

Automatic collection and lifting stations, used for collecting and pumping civil and industrial waste water in sewers. Comprises a high density 280 litre polythene tank with removable cover complete with a watertight and gastight seal.
Fekafos series is suitable only for the use of one not automatic single/triphase pump from the following: **DN 50 (FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200M-NA/T GRINDER1000-1200-1600T, GRINDER 1400 M-1800 T, FEKA 1400 M-1800 T, FEKA 2015 - 2030.2TNA) DN 65 (FEKA 2500.4T, FEKA 2515-FEKA 2500-FEKA 2700.2T), to be ordered separately.**

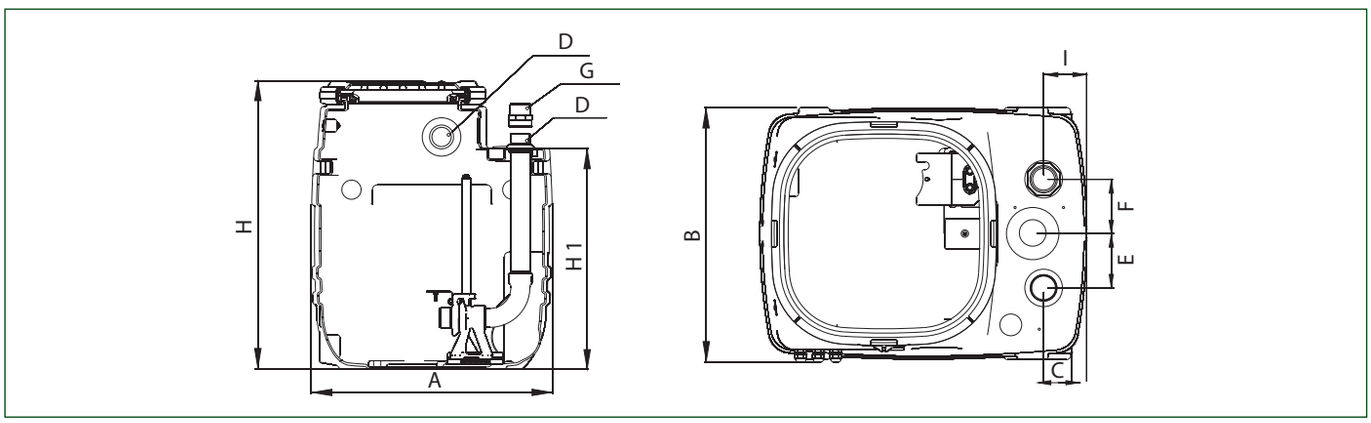
Complete with: 2 bulb floats mounted on a stainless steel support, cable holder for connecting the float and pump cables to the electrical panel (**to order separately according performance range table**), DN50 and DN110 suction manifolds and 2" delivery manifolds, connector for DN50 vent tube, lifting device (DSD2) for making pump maintenance easier. An alarm float can be used on request.
Operating range: from 1 to 48 m³/h with a head of up to 23 m.
Liquid temperature range: +55°C.
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]
FEKAFOS 280 2"	60114026	280	750x585x900	FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 T, GRINDER 1400 M-1800 TFEKA 1400 M-1800 T, FEKA 2015 - 2030.2TNA DN 65 : FEKA 2500.4T, FEKA 2515-FEKA 2500-FEKA 2700.2T	2xDN150,3xDN110, 2xDN50 inlet 1xDN50 ventilation 1xDN40 emergency emptying
FEKAFOS 280 2" 1/2	60114039				



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	F	G	H	H1	I	WEIGHT KG.
FEKAFOS 280/...	750	585	99	DN 50/110	125	125	2"	900	690	99	37

DAB PUMPS reserves the right to make modifications without notice

FEKAFOS 280 DOUBLE
AUTOMATIC PUMPING STATION



CE

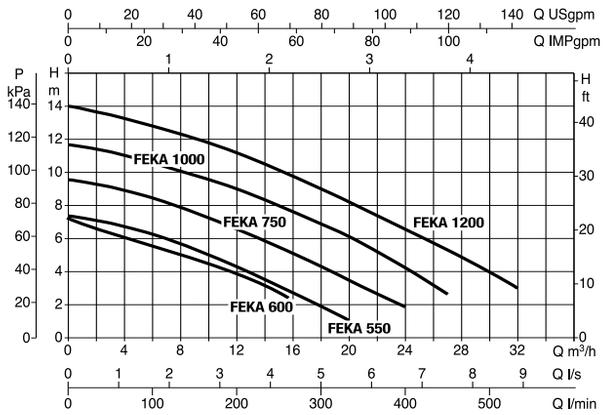
WASTE WATER COLLECTION AND LIFTING

Automatic collection and lifting stations, used for collecting and pumping civil and industrial waste water in sewers.
Comprises a high density 280 litre polythene tank with removable cover complete with a watertight and gastight seal. Fekafos series is suitable only for the use of one or two not automatic single/triphase pumps from the following: **DN 50 (FEKA VS-VX 550 M-NA /T-NA - FEKA VS-VX 750 M-NA /T-NA - FEKA VS-VX 1000 M-NA /T-NA - FEKA VS-VX 1200 M-NA /T-NA) DN 65 (FEKA 2500.4T, FEKA 2515-FEKA 2500-FEKA 2700.2T) to be ordered separately.**

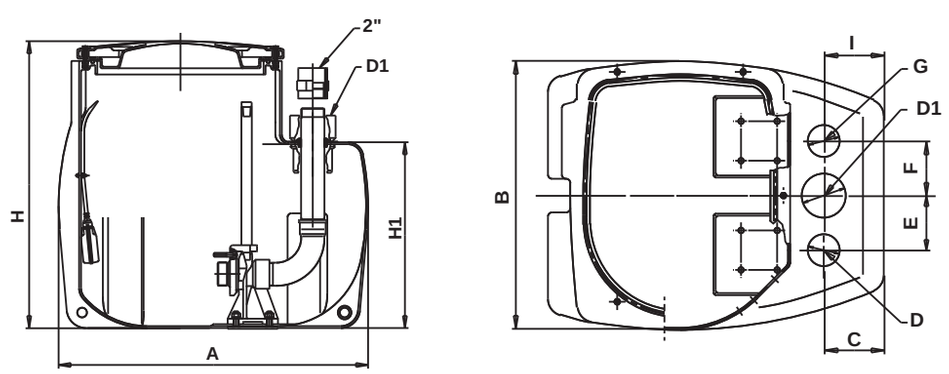
Complete with: 3 bulb floats mounted on a stainless steel support, cable holder for connecting the float and pump cables to the electrical panel (**to order separately according to performance range table**), DN50 and DN110 suction manifolds and 2" delivery manifolds,connector for DN50 vent tube, lifting devices (DSD2) for making pump maintenance easier. An alarm float can be used on request.
Operating range: from 1 to 48 m³/h with a head of up to 23 m.
Liquid temperature range: +50°C.
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]
FEKAFOS 280 2" DOUBLE	60114012	280	750x585x900	DN 50: FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 T, GRINDER 1400 M-1800 T FEKA 1400 M-1800 T DN 65: FEKA 2500.4T, FEKA 2515-FEKA 2500-FEKA 2700.2T	2xDN150,3xDN110, 2xDN50 inlet 1xDN50 ventitation 1xDN40 emergengy emptying
FEKAFOS 280 2" 1/2 DOUBLE	60114036				



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	D1	E	F	G	H	H1	I	WEIGHT Kg.
FEKAFOS 280 DOUBLE/...	800	640	145	DN 50	DN 110	130	130	2"	745	480	145	54

DAB PUMPS reserves the right to make modifications without notice

FEKAFOS 550
AUTOMATIC PUMPING STATION



CE

WASTE WATER COLLECTION AND LIFTING

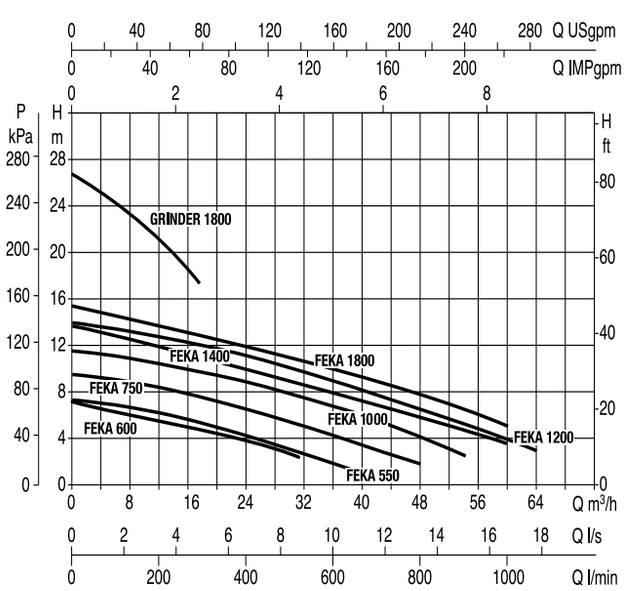
Automatic collection and lifting stations, used for collecting and pumping civil and industrial waste water in sewers. Comprises a high density 550 litre polythene tank with 2 removable covers complete with a watertight and gastight seal.
Fekafos series is suitable only for the use of one or two not automatic single/triphase pumps from the following: **FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200 GRINDER 1000-1200-1600 T, GRINDER 1400 M-1800 T FEKA 1400 M-1800 T, FEKA 2015 - 2030.2TNA) to be ordered separately.**

Complete with: 3 bulb floats mounted on a stainless steel support, cable holder for connecting the float and pump cables to the electrical panel (**to order separately according to performance range table**), DN50 and DN110 suction manifolds and 2" delivery manifolds, connector for DN50 vent tube, 2 lifting devices (DSD2) for making pump maintenance easier. An alarm float can be used on request.
Operating range: from 1 to 39 m^3/h with a head of up to 23 m.
Liquid temperature range: +55°C.
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

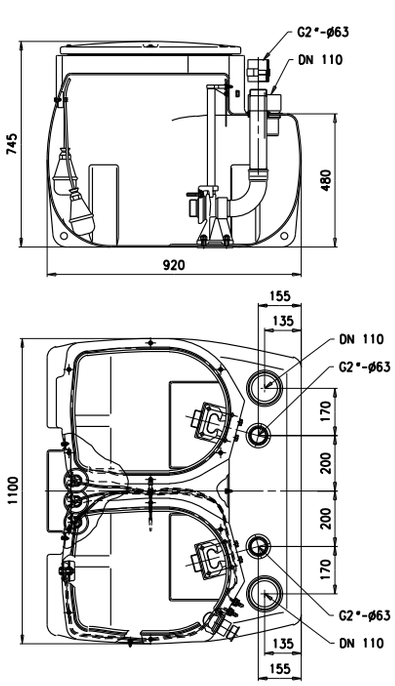
TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]	WEIGHT KG.
FEKAFOS 550	**531220220**	550	920x11100x745	FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 T, GRINDER 1400 M-1800 T FEKA 1400 M-1800 T, FEKA 2015 - 2030.2TNA	2xDN110 inlet 1xDN50 ventilation	94

TECHNICAL DATA



DIMENSIONS



SUBMERSIBLE PUMPS

FEKAFOS 1200 - 2000 - 3800

AUTOMATIC PUMPING STATION

NEW



CIVIL AND INDUSTRIAL WASTE WATER COLLECTION AND LIFTING

Automatic collection and lifting stations, for outside and underground installation used for collecting and pumping civil and industrial waste water in sewers.
High density 1220, 2000 and 3800 litre polythene tank with double inspection cover and safety grid. Fekafos series is suitable only for the use of one not automatic single/triphase pump from the following:
DN 50_FEKA VS 550-750-1000-1200 T/M-NA; GRINDER 1000-1200-1800 T e GRINDER 1400 M; FEKA 2015-2025-2030 2T DN 65_FEKA 2500 4T, FEKA 2500-2515-2700 2T.

Complete with: 2 DN50 or DN65 (DN 80 on request), 3 bulb floats, DN 160 inlet connections. An alarm float can be used on request.
Valves are not included: 2 bulb valves and 2 gate valves are available in a specific inspectin tank (see accessories).
Operating range: from 1 to 48 m^3/h with a head of up to 23 m.
Liquid temperature range: +55°C.
Pumped liquid: ground water, rain water, clear waste water, black waste water and water from rivers and lakes.

TECHNICAL DATA

MODEL	CODE	CAPACITY [lt]	DIMENSION [mm]	TO BE USED WITH	DN PIPES [mm]	WEIGHT KG.
FEKAFOS 1200 CP 2"	**60148424**	1200	ø 1250 x 1420	FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 T, GRINDER 1400 M-1800 T FEKA 1400 M-1800	1xDN160 inlet 1x 2" ventilation	110
FEKAFOS 1200 CP DN 65	**60148584**	1200	ø 1250 x 1420	FEKA 2500 4T, FEKA 2500-2515-2700 2T	1xDN160 inlet 1x 2" ventilation	110
FEKAFOS 2000 CP 2"	**60148585**	2000	ø 1250 x 2300	FEKA VS 550-750-1000-1200 T/M-NA; GRINDER 1000-1200-1800 T e GRINDER 1400 M; FEKA 2015-2025-2030 2T	1xDN160 inlet 1x 2" ventilation	150
FEKAFOS 2000 CP DN 65	**60148586**	2000	ø 1250 x 2300	FEKA 2500 4T, FEKA 2500-2515-2700 2T	1xDN160 inlet 1x 2" ventilation	150
FEKAFOS 3800 CP 2"	**60148588**	3800	ø 1800 x 1860	FEKA VS 550-750-1000-1200 T/M-NA; GRINDER 1000-1200-1800 T e GRINDER 1400 M; FEKA 2015-2025-2030 2T"	1xDN160 inlet 1x 2" ventilation	170
FEKAFOS 3800 CP DN 65	**60148589**	3800	ø 1800 x 1860	FEKA 2500 4T, FEKA 2500-2515-2700 2T	1xDN160 inlet 1x 2" ventilation	170

DAB PUMPS reserves the right to make modifications without notice

PERFORMANCE RANGE

STATION, PUMP AND CONTROL SYSTEM

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKABOX 110	60123162	FEKA 600 M-A	103022214		
		FEKA VS 550 M-A	103040000		
		FEKA VS 750 M-A	103040040		
		FEKA VX 550 M-A	103045000		
		FEKA VX 750 M-A	103045040		
		FEKA GL 750 M-A	60141715		
FEKABOX 200	60116632	FEKA 600 M-A	103022214		
		FEKA VS 550 M-A	103040000		
		FEKA VS 750 M-A	103040040		
		FEKA VX 550 M-A	103045000		
		FEKA VX 750 M-A	103045040		
		FEKA VS 1000 M-A	103040080		
		FEKA VS 1200 M-A	103040120		
		FEKA VX 1000 M-A	103045080		
		FEKA VX 1200 M-A	103045120		
		GRINDER GL 1000 MA	60145475		
		FEKA GL 750 M-A	60141715		
		FEKA GL1000 M-A	60141718		
FEKABOX 280	60114028	FEKA 600 M-A	103022214		
		FEKA VS 550 M-A	103040000		
		FEKA VS 750 M-A	103040040		
		FEKA VS 1000 M-A	103040080		
		FEKA VS 1200 M-A	103040120		
		FEKA VX 550 M-A	103045000		
		FEKA VX 750 M-A	103045040		
		FEKA VX 1000 M-A	103045080		
		FEKA VX 1200 M-A	103045120		
		GRINDER GL 1000 MA	60145475		
FEKAFOS 200	60114041	FEKA 600 M-NA	103022384	ED1,3M	108320320
		FEKA 600 T-NA	103000054	ED1T	108320330
		FEKA VS 550 M-NA	103040010	ED1,3M	108320320
		FEKA VS 550 T-NA	103040020	ED1T	108320330
		FEKA VS 750 M-NA	103040050	ED1,3M	108320320
		FEKA VS 750 T-NA	103040060	ED1T	108320330
		FEKA VS 1000 M-NA	103040090	ED1,3M	108320320
		FEKA VS 1000 T-NA	103040100	ED1,5T	108320340
		FEKA VS 1200 M-NA	103040130	ED1,3M	108320320
		FEKA VS 1200 T-NA	103040140	ED1,5T	108320340
		FEKA VX 550 M-NA	103045010	ED1,3M	108320320
		FEKA VX 550 T-NA	103045020	ED1T	108320330
		FEKA VX 750 M-NA	103045050	ED1,3M	108320320
		FEKA VX 750 T-NA	103045060	ED1T	108320330
		FEKA VX 1000 M-NA	103045090	ED1,3M	108320320
		FEKA VX 1000 T-NA	103045100	ED1,5T	108320340
		FEKA VX 1200 M-NA	103045130	ED1,3M	108320320
		FEKA VX 1200 T-NA	103045140	ED1,5T	108320340
		GRINDER 1400 M*	103010440	ED3MHS	108320370
		GRINDER 1800 T*	103010560	ED2,5T	108320350
		GRINDER 1000 T	60141602		
		GRINDER 1200 T	60141599	ED4T	108320610
		GRINDER 1600 T	60141588		
		FEKA GL 750 M-NA	60141716	ED1,3M	108320320
		FEKA GL 750 T-NA	60141717	ED1T	108320330
		FEKA GL 1000 M-NA	60141719	ED1,3M	108320320
		FEKA GL 1000 T-NA	60141720	ED1,5T	108320340
		FEKA GL 1200 T-NA	60141721		



FEKABOX 110 lt



FEKABOX 200 lt



FEKABOX 280 lt



FEKAFOS 200 lt

PERFORMANCE RANGE

STATION, PUMP AND CONTROL SYSTEM

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKAFOS 280	60114026	FEKA 600 M-NA	103022384	ED1,3M	108320320
		FEKA 600 T-NA	103000054	ED1T	108320330
		FEKA VS 550 M-NA	103040010	ED1,3M	108320320
		FEKA VS 550 T-NA	103040020	ED1T	108320330
		FEKA VS 750 M-NA	103040050	ED1,3M	108320320
		FEKA VS 750 T-NA	103040060	ED1T	108320330
		FEKA VS 1000 M-NA	103040090	ED1,3M	108320320
		FEKA VS 1000 T-NA	103040100	ED1,5T	108320340
		FEKA VS 1200 M-NA	103040130	ED1,3M	108320320
		FEKA VS 1200 T-NA	103040140	ED1,5T	108320340
		FEKA VX 550 M-NA	103045010	ED1,3M	108320320
		FEKA VX 550 T-NA	103045020	ED1T	108320330
		FEKA VX 750 M-NA	103045050	ED1,3M	108320320
		FEKA VX 750 T-NA	103045060	ED1T	108320330
		FEKA VX 1000 M-NA	103045090	ED1,3M	108320320
		FEKA VX 1000 T-NA	103045100	ED1,5T	108320340
		FEKA VX 1200 M-NA	103045130	ED1,3M	108320320
		FEKA VX 1200 T-NA	103045140	ED1,5T	108320340
		GRINDER 1400 M	103010440	ED3MHS	108320370
		GRINDER 1800 T	103010560	ED2,5T	108320350
		GRINDER 1000 T	60141602		
		GRINDER 1200 T	60141599	ED4T	108320610
		GRINDER 1600 T	60141588		
		FEKA 1400 M	103010240	ED3M	108320360
		FEKA 1800 T	103010360	ED2,5T	108320350
		FEKA 2015.2TNA	60145480	ED1,5T	108320340
		FEKA 2030.2TNA	60145482	ED2,5T	108320350
FEKAFOS 280 2"1/2 DN65	60114036	FEKA 2500.4T D	103018080		
		FEKA 2515.2T D	60141726	ED1,5T	108320340
		FEKA 2500.2T D	103018000	ED2,5T	108320350
		FEKA 2700.2T D	103018040		
FEKAFOS 280 DOUBLE	60114012	FEKA VS 550 M-NA	103040010	E-BOX 2D M/T	60114868
		FEKA VS 550 T-NA	103040020		
		FEKA VS 750 M-NA	103040050		
		FEKA VS 750 T-NA	103040060		
		FEKA VS 1000 M-NA	103040090		
		FEKA VS 1000 T-NA	103040100		
		FEKA VS 1200 M-NA	103040130		
		FEKA VS 1200 T-NA	103040140		
		FEKA VX 550 M-NA	103045010		
		FEKA VX 550 T-NA	103045020		
		FEKA VX 750 M-NA	103045050		
		FEKA VX 750 T-NA	103045060		
		FEKA VX 1000 M-NA	103045090		
		FEKA VX 1000 T-NA	103045100		
		FEKA VX 1200 M-NA	103045130		
		FEKA VX 1200 T-NA	103045140		
		GRINDER 1400 M	103010440	E2D6MHS	108320420
		GRINDER 1800 T	103010560	E-BOX 2D M/T	60114868
		GRINDER 1000 T	60141602		
		GRINDER 1200 T	60141599		
		GRINDER 1600 T	60141588		
		FEKA 1400 M	103010240	E-BOX 2D 40uF	60114869
		FEKA 1800 T	103010360	E-BOX 2D M/T	60114868



FEKAFOS 280 It



FEKAFOS 280 It



FEKAFOS 280 It Double

DAB PUMPS reserves the right to make modifications without notice

PERFORMANCE RANGE

STATION, PUMP AND CONTROL SYSTEM

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKAFOS 280 DOUBLE 2"1/2	60114036	FEKA 2500.4T D	103018080	E-BOX 2D M/T	60114868
		FEKA 2515.2T D	60141726		
		FEKA 2500.2T D	103018000		
		FEKA 2700.2T D	103018040		
FEKAFOS 550	531220220	FEKA 600 M-NA	103022384	E-BOX 2D M/T	60114868
		FEKA 600 T-NA	103000054		
		FEKA VS 550 M-NA	103040010		
		FEKA VS 550 T-NA	103040020		
		FEKA VS 750 M-NA	103040050		
		FEKA VS 750 T-NA	103040060		
		FEKA VS 1000 M-NA	103040090		
		FEKA VS 1000 T-NA	103040100		
		FEKA VS 1200 M-NA	103040130		
		FEKA VS 1200 T-NA	103040140		
		FEKA VX 550 M-NA	103045010		
		FEKA VX 550 T-NA	103045020		
		FEKA VX 750 M-NA	103045050		
		FEKA VX 750 T-NA	103045060		
		FEKA VX 1000 M-NA	103045090		
		FEKA VX 1000 T-NA	103045100		
		FEKA VX 1200 M-NA	103045130		
		FEKA VX 1200 T-NA	103045140		
		GRINDER 1400 M	103010440	E2D6MHS	108320420
		GRINDER 1800 T	103010560	E-BOX 2D M/T	60114868
		GRINDER 1000 T	60141602		
		GRINDER 1200 T	60141599		
		GRINDER 1600 T	60141588		
		FEKA 1400 M	103010240		
		FEKA 1800 T	103010360		
		FEKA 2015.2 TNA	60145480		
		FEKA 2030.2 TNA	60145482		
FEKAFOS 1200 CP 2"	60148424	FEKA VS 550 M-NA	103040010	E-BOX 2D M/T	60114868
		FEKA VS 550 T-NA	103040020		
		FEKA VS 750 M-NA	103040050		
		FEKA VS 750 T-NA	103040060		
		FEKA VS 1000 M-NA	103040090		
		FEKA VS 1000 T-NA	103040100		
		FEKA VS 1200 M-NA	103040130		
		FEKA VS 1200 T-NA	103040140		
		GRINDER 1400 M	103010440	E2D6MHS	108320420
		GRINDER 1000 T	60141602	E-BOX 2D M/T	60114868
		GRINDER 1200 T	60141599		
		FEKA 2015.2 TNA	60145480		
		FEKA 2025.2 TNA	60145481		
		FEKA 2030.2 TNA	60145482		
		GRINDER 1600 T	60141588		
		FEKA 1400 M	103010240		
		FEKA 1800 T	103010360		
		FEKA 2015.2 TNA	60145480		
		FEKA 2030.2 TNA	60145482		



FEKAFOS 280 lt Double



FEKAFOS 550 lt



FEKAFOS1200

PERFORMANCE RANGE

STATION, PUMP AND CONTROL SYSTEM

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKAFOS 1200 CP DN65	60148584	FEKA 2500.4T D	103018080	E-BOX 2D M/T	60114868
		FEKA 2515.2T D	60141726		
		FEKA 2500.2T D	103018000		
		FEKA 2700.2T D	103018040		
FEKAFOS 2000 CP 2”	60148585	FEKA VS 550 M-NA	103040010	E-BOX 2D M/T	60114868
		FEKA VS 550 T-NA	103040020		
		FEKA VS 750 M-NA	103040050		
		FEKA VS 750 T-NA	103040060		
		FEKA VS 1000 M-NA	103040090		
		FEKA VS 1000 T-NA	103040100		
		FEKA VS 1200 M-NA	103040130		
		FEKA VS 1200 T-NA	103040140		
		GRINDER 1400 M	103010440	E2D6MHS	108320420
		GRINDER 1000 T	60141602	E-BOX 2D M/T	60114868
		GRINDER 1200 T	60141599		
		GRINDER 1600 T	60141588		
		FEKA 2015.2 TNA	60145480		
		FEKA 2025.2 TNA	60145481		
		FEKA 2030.2 TNA	60145482		
FEKAFOS 2000 CP DN65	60148586	FEKA 2500.4T D	103018080	E-BOX 2D M/T	60114868
		FEKA 2515.2T D	60141726		
		FEKA 2500.2T D	103018000		
		FEKA 2700.2T D	103018040		
FEKAFOS 3800 CP 2”	60148588	FEKA VS 550 M-NA	103040010	E-BOX 2D M/T	60114868
		FEKA VS 550 T-NA	103040020		
		FEKA VS 750 M-NA	103040050		
		FEKA VS 750 T-NA	103040060		
		FEKA VS 1000 M-NA	103040090		
		FEKA VS 1000 T-NA	103040100		
		FEKA VS 1200 M-NA	103040130		
		FEKA VS 1200 T-NA	103040140		
		GRINDER 1400 M	103010440	E2D6MHS	108320420
		GRINDER 1000 T	60141602	E-BOX 2D M/T	60114868
		GRINDER 1200 T	60141599		
		GRINDER 1600 T	60141588		
		FEKA 2015.2 TNA	60145480		
		FEKA 2025.2 TNA	60145481		
		FEKA 2030.2 TNA	60145482		
FEKAFOS 3800 CP 2” DN65	60148589	FEKA 2500.4T D	103018080	E-BOX 2D M/T	60114868
		FEKA 2515.2T D	60141726		
		FEKA 2500.2T D	103018000		
		FEKA 2700.2T D	103018040		



FEKAFOS1200 - 2000 - 3800

Tank, pump and control panel are supplied separately and must be ordered separately.

DAB PUMPS reserves the right to make modifications without notice

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IDEA

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	0,6	0,9	1,2	1,5	1,8	2	2,4
SINGLE-PHASE	THREE-PHASE	kW	HP		0	10	15	20	25	30	33	40
IDEA 75 M	IDEA 75 T	0,55	0,75		47	37	32	27,6	22,5	17,6	12,2	6,8
IDEA 100 M	IDEA 100 T	0,75	1		61,8	48,3	41,4	34,6	28	21,2	14,4	7,3
IDEA 150 M	IDEA 150 T	1	1,5			81	70	60	48	35	22	10

DIVER

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8
SINGLE-PHASE	THREE-PHASE	kW	HP		0	10	20	30	40	50	60	70	80
DIVER 75 M	DIVER 75 T	0,55	0,75		39	35	33	30	26	22	18	14	9
DIVER 100 M	DIVER 100 T	0,75	1	H (m)	55	50	45	41	35	30	25	18	11
DIVER 150 M	DIVER 150 T	1,1	1,5		80	72	67	60	52	45	35	26	16
DIVER 200 M	DIVER 200 T	1,5	2		101	96	90	85	70	60	47	35	21

DIVER HF

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	1,5	3	4,5	6	7,5	9	10,5	12
SINGLE-PHASE	THREE-PHASE	kW	HP		0	25	50	75	100	125	150	175	200
DIVER 100 M HF	DIVER 100 T HF	0,75	1		30	28	26	24	22	20	16	13	10
DIVER 150 M HF	DIVER 150 T HF	1,1	1,5		42	40	38	35	32	28	24	20	15
DIVER 200 M HF	DIVER 200 T HF	1,5	2		59	55	51	48	44	39	34	28	20

PULSAR

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	1,2	2,4	3,6	4,8	6	7,2
SINGLE-PHASE	THREE-PHASE	kW	HP		0	20	40	60	80	100	120
PULSAR 30/50 M	PULSAR 30/50 T	0,55	0,75		42	38,2	33,8	24,8	13,5		
PULSAR 40/50 M	PULSAR 40/50 T	0,75	1		56	51	45	33	18		
PULSAR 50/50 M	PULSAR 50/50 T	1	1,36		72	65,5	58	43,6	24,5		
PULSAR 65/50 M	PULSAR 65/50 T	1,2	1,6	H (m)	86	78,5	70	52,8	29		
PULSAR 30/80 M	PULSAR 30/80 T	0,75	1		51	48,2	44,8	39,2	32,4	23,5	13
PULSAR 40/80 M	PULSAR 40/80 T	1	1,36		64	61	56,8	50	41,5	30,5	16,2
PULSAR 50/80 M	PULSAR 50/80 T	1,2	1,6		77	73,2	68	60	50	37	19,6

PULSAR DRY

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	1,2	2,4	3,6	4,8	6	7,2
SINGLE-PHASE	THREE-PHASE	kW	HP		0	20	40	60	80	100	120
PULSAR DRY 20/50 M	PULSAR DRY 20/50 T	0,55	0,75		29	27	23,2	17,2	10,3		
PULSAR DRY 30/50 M	PULSAR DRY 30/50 T	0,55	0,75		42	38,2	33,8	24,8	13,5		
PULSAR DRY 40/50 M	PULSAR DRY 40/50 T	0,75	1		56	51	45	33	18		
PULSAR DRY 50/50 M	PULSAR DRY 50/50 T	1	1,36		72	65,5	58	43,6	24,5		
PULSAR DRY 65/50 M	PULSAR DRY 65/50 T	1,2	1,6	H (m)	86	78,5	70	52,8	29		
PULSAR DRY 30/80 M	PULSAR DRY 30/80 T	0,75	1		51	48,2	44,8	39,2	32,4	23,5	13
PULSAR DRY 40/80 M	PULSAR DRY 40/80 T	1	1,36		64	61	56,8	50	41,5	30,5	16,2
PULSAR DRY 50/80 M	PULSAR DRY 50/80 T	1,2	1,6		77	73,2	68	60	50	37	19,6

IDEA - 4”

PERIPHERAL SUBMERSIBLE PUMPS



CE

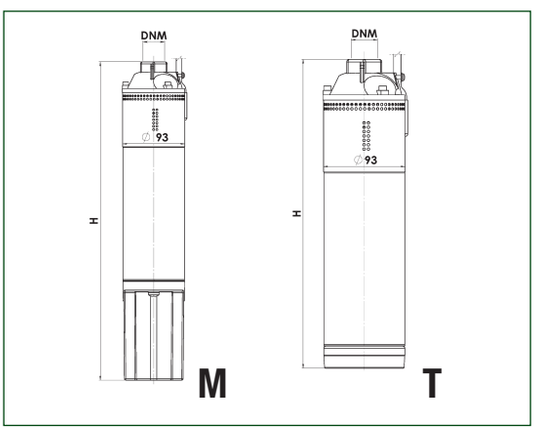
DOMESTIC WATER SUPPLY

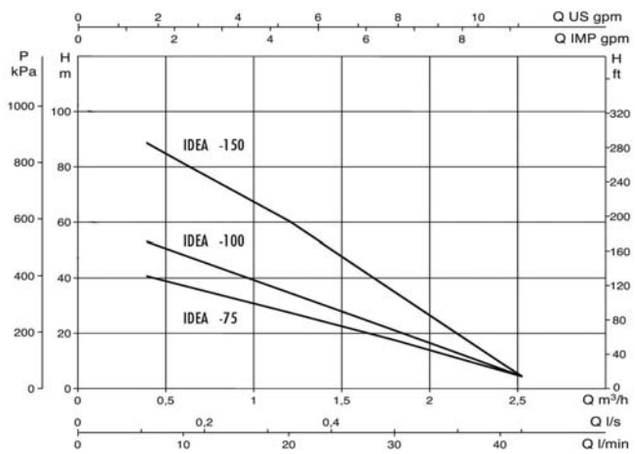
Peripheral borehole pump single impeller (Idea 75 - 100), double impeller (Idea 150) (for 4” wells or larger, capable of providing high heads with limited power. Suitable for water lifting and distribution applications in domestic systems, small agricultural concerns, pressurisation of pressure vessels and DIY uses.
Pump body and motor support in cast iron. Brass impeller. Impeller shaft extension and strainer in stainless steel. Submergible asynchronous two-pole motor, made entirely of stainless steel, dry design.
Canned-type AISI 304L stator. Squirrel cage rotor running on ball bearings, oversized to ensure reliability and durability. Graphite/alumina mechanical seal and lip seal. In the single phase version the start capacitor is enclosed in a rugged, electrically insulated high-density plastic enclosure. Overload protection to be provided by the user for the three-phase version.
Protection rating: IP 68.
Insulation class: F.
Liquid temperature range: from 0° C to +35° C.
Max. no. of starts: 20/h.
Maximum subnersion: 20 m.
Installation: in 4” or larger wells, thanks or cisterns, vertically.
Liquid quality requirements: clean, free of solid or abrasive contaminants, non-viscous, chemically neutral, close to the properties of water.
Removable H07RN-F power cable, length 15 m.
Supplied with 15 m of nylon rope.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA							HYDRAULIC DATA (n ~ 2800 1/min)							
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	CAPACITOR µF	CAPACITOR Vc	Q m³/h l/min	0,4	0,6	0,9	1,2	1,5	1,8	2,1	2,4
										7	10	15	20	25	30	35	40
IDEA 75 M	**60122482**	1x230 V ~	0,8	0,55	0,75	4	16	450	H (m)	39	37	32	27,6	22,5	17,6	12,2	6,8
IDEA 100 M	**60122483**	1x230 V ~	1,1	0,75	1	4,7	20	450		52	48,3	41,4	34,6	28	21,2	14,4	7,3
IDEA 150 M	**60133713**	1x230 V ~	2,2	1	1,5	10,5	35	450		90	81	70	60	48	35	22	10
IDEA 75 T	**60122353**	3x400 V ~	0,65	0,55	0,75	1,5	–	–		39	37	32	27,6	22,5	17,6	12,2	6,8
IDEA 100T	**60122354**	3x400 V ~	1,1	0,75	1	2,3	–	–		52	48,3	41,4	34,6	28	21,2	14,4	7,3
IDEA 150T	**60140605**	3x400 V ~	2,5	1	1,5	4,3	–	–		90	81	70	60	48	35	22	10

DIMENSIONS AND WEIGHTS





MODEL	Ø	H	PACKAGING DIMENSION L/A	PACKAGING DIMENSION L/B	PACKAGING DIMENSION H	DNM GAS	WEIGHT Kg
IDEA 75 M	93	482	630	265	125	1”	10,5
IDEA 100 M	93	512	630	265	125	1”	12
IDEA 150 M	93	602	630	265	125	1”	15
IDEA 75 T	93	353	420	310	118	1”	10,2
IDEA 100 T	93	383	420	310	118	1”	11,7
IDEA 150 T	93	475	630	265	125	1”	14,6

DAB PUMPS reserves the right to make modifications without notice

DIVER - DIVER HF

5" MULTISTAGE SUBMERSIBLE PUMPS



CE

DOMESTIC WATER SUPPLY

DIVER electric pumps are utilised for lifting clear water from boreholes, first water collection tanks or cisterns, wells or water courses and are capable of distributing pressurised water to domestic installations, small agricultural plants, and sprinkler systems for lawns and gardens.
The pump, which is very silent running, can be installed inside boreholes and sumps and eliminates all potential problems of suction and unpriming.
Multi-stage close-coupled borehole pump with hydraulic section below motor, which is cooled by the pumped liquid. Impellers and diffusers in fibreglass-reinforced Noryl with wear-resistant stainless steel thrust ring. Outer liner, stator sleeve, upper head with delivery connection and closing ring in AISI 304 stainless steel.
Supports in brass. Rotor shaft extension in AISI 304 stainless steel.
Lip seal on motor side and silicon carbide/silicon carbide mechanical seal on pump side.
Submersible asynchronous two-pole motor made entirely of stainless steel, featuring dry design with external cooling by pumped liquid.
Canned AISI 304L stator. Squirrel cage rotor running on ball bearings, oversized to ensure low noise, reliability and durability.
On request, CONTROL BOX for the single-phase version. Protection for the three-phase version is the responsibility of the user.
Automatic version available with float switch.
Available on request with support base and lateral suction (DRY).
Protection rating: IP 68.
Insulation class: F.
Standard voltage input: Single-phase 230 V / 50 Hz - Three-phase 400 V / 50 Hz
Removable H07RN-F power cable, length 10 m.

TECHNICAL DATA - DIVER/DIVER HF

MODEL	CODE	ELECTRICAL DATA					CAPACITOR		HYDRAULIC DATA (n ~ 2800 1/min)								
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	µF	Vc	Q m³/h l/min	0,6 10	1,2 20	1,8 30	2,4 40	3 50	3,6 60	4,2 70	4,8 80
DIVER 75 M-A	60121469	1x230 V~	0,85	0,55	0,75	4,6	16	450									
DIVER 75 M-NA	60121655									35	33	30	26	22	18	14	9
DIVER 75 T-NA	60121656	3x230 V~	0,8	0,55	0,75	2,9	-	-									
DIVER 75 T-NA	60121657	3x400 V~				1,7											
DIVER 100 M-A	60121470	1x230 V~	1,1	0,75	1	5,9	20	450									
DIVER 100 M-NA	60121658									50	45	41	35	30	25	18	11
DIVER 100 T-NA	60121659	3x230 V~	1,2	0,75	1	4,2	-	-									
DIVER 100 T-NA	60121660	3x400 V~				2,4											
DIVER 150 M-A	60121471	1x230 V~	1,6	1	1,5	7,8	30	450									
DIVER 150 M-NA	60121661									72	67	60	52	45	35	26	16
DIVER 150 T-NA	60121662	3x230 V~	1,55	1	1,5	5,7	-	-									
DIVER 150 T-NA	60121663	3x400 V~				3,3											
DIVER 150 M-A *	60141617	1x230 V~	1,6	1	1,5	7,8	30	450									
DIVER 150 M-NA*	60141618									72	67	60	52	45	35	26	16
DIVER 150 T-NA *	60141619	3x230 V~	1,55	1	1,5	5,7	-	-									
DIVER 150 T-NA *	60141620	3x400 V~				3,3											
DIVER 200 M-A	60121472	1x230 V~	2,3	1,5	2	10,7	35	450									
DIVER 200 M-NA	60121664								H (m)	96	90	85	70	60	47	35	21
DIVER 200 T-NA	60121476	3x230 V~	2,15	1,5	2	8,5	-	-									
DIVER 200 T-NA	60121665	3x400 V~				4,9											
DIVER 200 M-A *	60141621	1x230 V~	2,3	1,5	2	10,7	35	450									
DIVER 200 M-NA*	60141623									96	90	85	70	60	47	35	21
DIVER 200 T-NA*	60141624	3x230 V~	2,15	1,5	2	8,5	-	-									
DIVER 200 T-NA *	60141625	3x400 V~				4,9											
DIVER 100 HF M-A	60121666	1x230 V~	1,1	0,75	1	6,2	20	450									
DIVER 100 HF M-NA	60121667									28	26	24	22	20	16	13	10
DIVER 100 HF T-NA	60121668	3x230 V~	1,2	0,75	1	4,3	-	-									
DIVER 100 HF T-NA	60121669	3x400 V~				2,5											
DIVER 150 HF M-A	60121670	1x230 V~	1,7	1	1,5	8,1	30	450									
DIVER 150 HF M-NA	60121671									40	38	35	32	28	24	20	15
DIVER 150 HF T-NA	60121473	3x230 V~	1,8	1	1,5	6	-	-									
DIVER 150 HF T-NA	60121672	3x400 V~				3,5											
DIVER 200 HF M-A	60121673	1x230 V~	2,15	1,5	2	10,8	35	450									
DIVER 200 HF M-NA	60121674									55	51	48	44	39	34	28	20
DIVER 200 HF T-NA	60121474	3x230 V~	2,1	1,5	2	8,5	-	-									
DIVER 200 HF T-NA	60121475	3x400 V~				4,9											

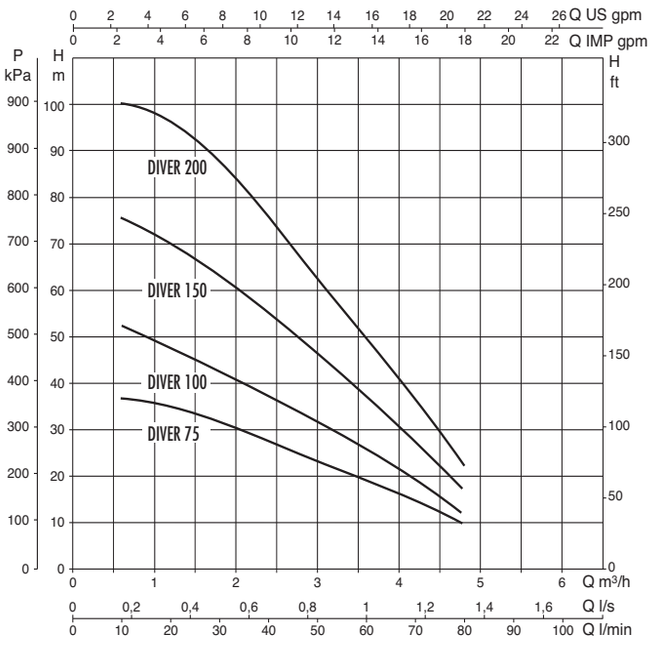
A= automatic with float NA= non automatic without float

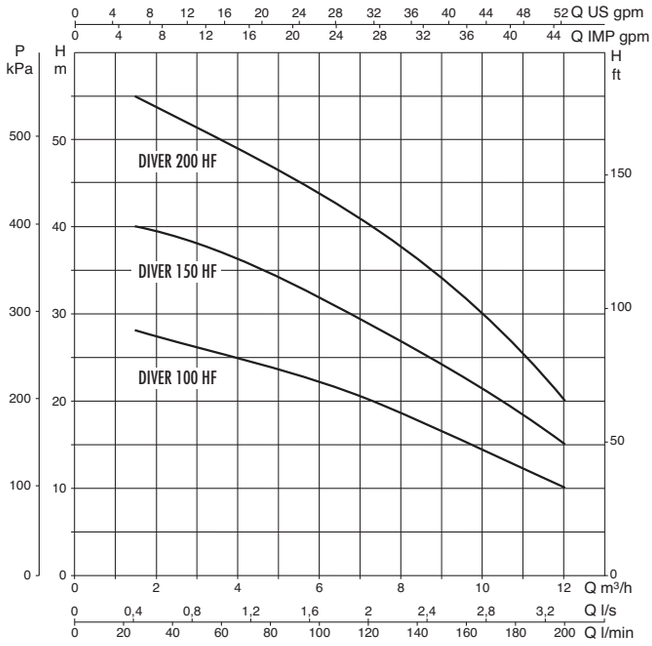
* supplied with 20 mt cable

DAB PUMPS reserves the right to make modifications without notice

DAB WATER•TECHNOLOGY

TECHNICAL DATA





DIMENSIONS AND WEIGHTS



MODEL	ø (mm)	H (mm)	PACKAGING DIMENSION			PACKAG. VOLUME m³	Q.TY X PALLET	WEIGHT Kg
			L/A	L/B	H			
DIVER 75 M	127	427	625	230	170	0,024	35	10
DIVER 75 T								
DIVER 100 M	127	482	625	230	170	0,024	35	11,7
DIVER 100 T								
DIVER 150 M	127	550	625	230	170	0,024	35	13,1
DIVER 150 T								
DIVER 200 M	127	648	710	220	160	0,025	35	15,8
DIVER 200 T								
DIVER 100 M HF	127	459	625	230	170	0,024	35	11,5
DIVER 100 T HF								
DIVER 150 M HF	127	523	625	230	170	0,024	35	13
DIVER 150 T HF								
DIVER 200 M HF	127	608	710	220	160	0,025	35	15,5
DIVER 200 T HF								

DAB PUMPS reserves the right to make modifications without notice

PULSAR

5" MULTISTAGE SUBMERSIBLE PUMPS



CE

DOMESTIC WATER SUPPLY

PULSAR pumps, which are very silent running, can be installed inside boreholes and sumps and eliminates all potential problems of suction and unpriming.
Multi-stage close-coupled borehole pump with hydraulic section below motor, which is cooled by the pumped liquid. Impellers, diffusers, strainer and oil sump in abrasion-proof thermoplastic. Outer liner, stator sleeve, upper head with delivery connection and closing ring in AISI 304 stainless steel. Rotor shaft extension in AISI 304. Elastomers in NBR. Stainless steel screws.
Double mechanical seal with interposed oil chamber, made of ceramic/carbon on motor side and silicon carbide/silicon carbide on pump side.
Submersible with continuous duty asynchronous motor. Rotor running on ball bearings, oversized to ensure low noise and durability Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. To protect the three-phase motor use remote overload cut-outs in compliance with statutory regulations.
Constructed in compliance with CEI 2-3 and CEI 61-69 (EN 60335-2-41) standards.
Operating range: from 0.9 to 7.2 m^3/h with head up to 86 metres.
Maximum permissible sand quantity: 50 g/m^3.
Motor protection level: IP 68.
Insulation class: F.
Liquid temperature range: From 0° C to +40° C.
Standard cables: 20 m HO7 RN F cable type.
Cable complete with SCHUKO plug EEC 7-VII-UNEL 47166-68 for the single-phase version.
Single-phase versions can be equipped with or without float switches for automatic operation.

TECHNICAL DATA

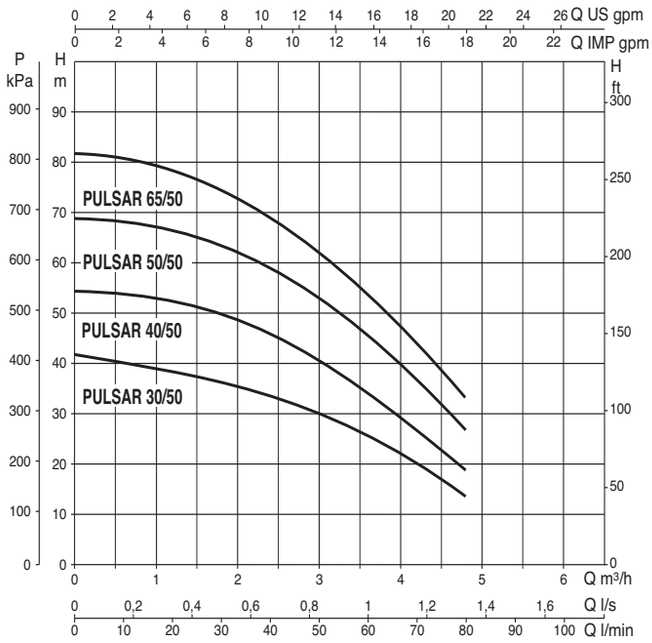
MODEL	CODE	ELECTRICAL DATA							HYDRAULIC DATA							
		VOLTAGE 50 Hz	P1 kW	P2		In A	CAPACITOR		Q m^3/h	0	1,2	2,4	3,6	4,8	6	7,2
				kW	HP		µF	Vc	l/min	0	20	40	60	80	100	120
PULSAR 30/50 M-A	104160000	1x230 V~	0,94	0,55	0,75	4,5	16	450	H (m)	42	38,2	33,8	24,8	13,5		
PULSAR 30/50 M-NA	104160010	1x230 V~	0,94	0,55	0,75	4,5										
PULSAR 30/50 T-NA	104160420	3x230 V~	0,87	0,55	0,75	2,85	-	-								
PULSAR 30/50 T-NA	104160020	3x400 V~	0,87	0,55	0,75	1,65										
PULSAR 40/50 M-A	104160030	1x230 V~	1,12	0,75	1	5,2	16	450		56	51	45	33	18		
PULSAR 40/50 M-NA	104160040	1x230 V~	1,12	0,75	1	5,2										
PULSAR 40/50 T-NA	104160450	3x230 V~	1,03	0,75	1	3,2	-	-								
PULSAR 40/50 T-NA	104160050	3x400 V~	1,03	0,75	1	1,85										
PULSAR 50/50 M-A	104160060	1x230 V~	1,45	1	1,36	6,5	25	450		72	65,5	58	43,6	24,5		
PULSAR 50/50 M-NA	104160070	1x230 V~	1,45	1	1,36	6,5										
PULSAR 50/50 T-NA	104160480	3x230 V~	1,35	1	1,36	4,15	-	-								
PULSAR 50/50 T-NA	104160080	3x400 V~	1,35	1	1,36	2,4										
PULSAR 65/50 M-A	104160090	1x230 V~	1,70	1,2	1,6	7,8	30	450		86	78,5	70	52,8	29		
PULSAR 65/50 M-NA	104160100	1x230 V~	1,70	1,2	1,6	7,8										
PULSAR 65/50 T-NA	104160510	3x230 V~	1,60	1,2	1,6	5	-	-								
PULSAR 65/50 T-NA	104160110	3x400 V~	1,60	1,2	1,6	2,9										
PULSAR 30/80 M-A	104160230	1x230 V~	1,12	0,75	1	5,2	16	450		51	48,2	44,8	39,2	32,4	23,5	13
PULSAR 30/80 M-NA	104160240	1x230 V~	1,12	0,75	1	5,2										
PULSAR 30/80 T-NA	104160650	3x230 V~	1,03	0,75	1	3,2	-	-								
PULSAR 30/80 T-NA	104160250	3x400 V~	1,03	0,75	1	1,85										
PULSAR 40/80 M-A	104160260	1x230 V~	1,45	1	1,36	6,5	25	450		64	61	56,8	50	41,5	30,5	16,2
PULSAR 40/80 M-NA	104160270	1x230 V~	1,45	1	1,36	6,5										
PULSAR 40/80 T-NA	104160680	3x230 V~	1,35	1	1,36	4,15	-	-								
PULSAR 40/80 T-NA	104160280	3x400 V~	1,35	1	1,36	2,4										
PULSAR 50/80 M-A	104160290	1x230 V~	1,70	1,2	1,6	7,8	30	450		77	73,2	68	60	50	37	19,6
PULSAR 50/80 M-NA	104160300	1x230 V~	1,70	1,2	1,6	7,8										
PULSAR 50/80 T-NA	104160710	3x230 V~	1,60	1,2	1,6	5	-	-								
PULSAR 50/80 T-NA	104160310	3x400 V~	1,60	1,2	1,6	2,9										

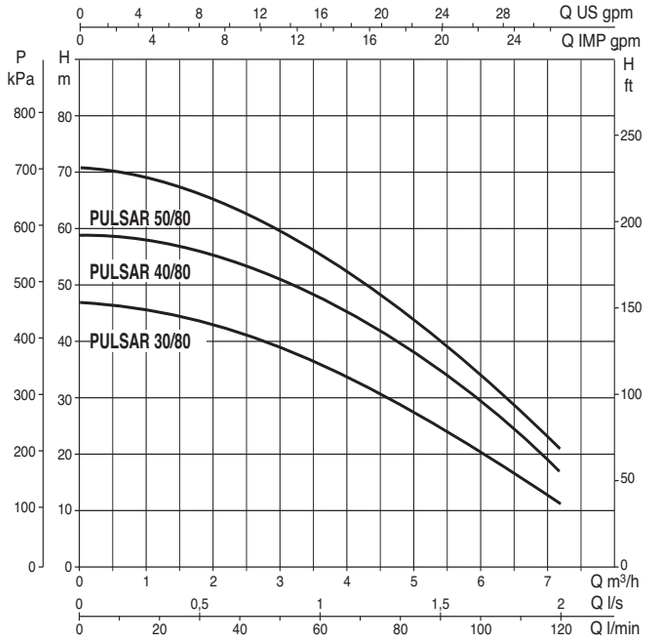
A= automatic with float NA= non automatic without float

PULSAR

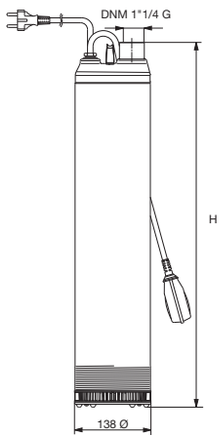
5” MULTISTAGE SUBMERSIBLE PUMPS

TECHNICAL DATA





DIMENSIONS AND WEIGHTS



MODEL	H	PACKAGING DIMENSION			PACKAGING VOLUME m^3	Q.TY X PALLET	DNM GAS	WEIGHT Kg		
		L/A	L/B	H				MA	MNA	TNA
PULSAR 30/50 M PULSAR 30/50 T	562	690	220	165	0,037	20	1 1/4"	17,3	16,7	17,3
PULSAR 40/50 M PULSAR 40/50 T	562	690	220	165	0,037	20	1 1/4"	17,5	17	17,5
PULSAR 50/50 M PULSAR 50/50 T	630	690	220	165	0,037	20	1 1/4"	18,5	18	18,5
PULSAR 65/50 M PULSAR 65/50 T	657	690	220	165	0,037	20	1 1/4"	19,5	19	19,5
PULSAR 30/80 M PULSAR 30/80 T	562	690	220	165	0,037	20	1 1/4"	7,5	17	17,5
PULSAR 40/80 M PULSAR 40/80 T	630	690	220	165	0,037	20	1 1/4"	18,5	18	18,5
PULSAR 50/80 M PULSAR 50/80 T	657	690	220	165	0,037	20	1 1/4"	19,5	19	19,5

DAB PUMPS reserves the right to make modifications without notice

PULSAR DRY

5" MULTISTAGE SUBMERSIBLE PUMPS



CE

DOMESTIC WATER SUPPLY

The PULSAR DRY pumps are used in lifting and pressurisation systems for water from primary collection tanks or wells and are suitable for providing pressurised water in domestic systems, small-scale farming and sprinkler systems for gardens and vegetable gardens. The pump is extremely silent and this feature makes it suitable for use with pressurisation systems in unventilated rooms or in areas prone to flooding. Single-piece multi-stage bore-hole pump or of surface with hydraulic assembly positioned under the motor which is cooled by the pumped liquid. Impellers, diffusers, filter and oil sump in abrasion-proof thermoplastic. Pump liner, stator sleeve, upper head with sleeve and sealing ring in AISI 304 steel. Upper and lower bearing supports in dezincification-proof pressed brass. Rotor shaft extension in AISI 304. Elastomers in NBR. Stainless steel hardware. **Double mechanical seal** separated by an oil chamber, in ceramic/carbon on the motor side and carburundum/carburundum on the pump side. The sealing system ensures the motor remains airtight and the mechanical seal holds even after brief periods of no-water operation.

Continuous service asynchronous submersible motor. Stator incorporated in an AISI 304 stainless steel airtight casing with a cover housing the cables and capacitor. Rotor mounted on oversized ball bearings to ensure silent running and long life. Incorporated thermal current protection and permanently connected capacitor in the single-phase version. As regards three-phase protection, a motor overload cut out should be fitted, in accordance with current standards. Built to IEC 2-3 and IEC 61-69 (EN 60335-2-41).

Operating range: from 0.9 to 7.2 m^3/h with a head of up to 86 m.

Max. quantity of sand in water: 50 gr/m^3.

Protection level of motor: IP 68.

Protection class of motor: F.

Liquid temperature range: da 0°C a +40°C.

Maximum depth of immersion: 20 metres.

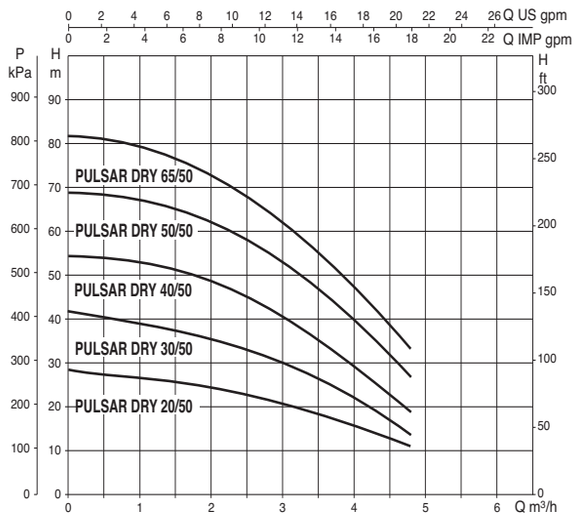
Standard cables: 15 m of H07 RN F cable complete with SCHUKO EEC 7-VII-UNEL 47166-68 plug for the single-phase version. The single-phase versions can be supplied with or without floats for automatic operation.

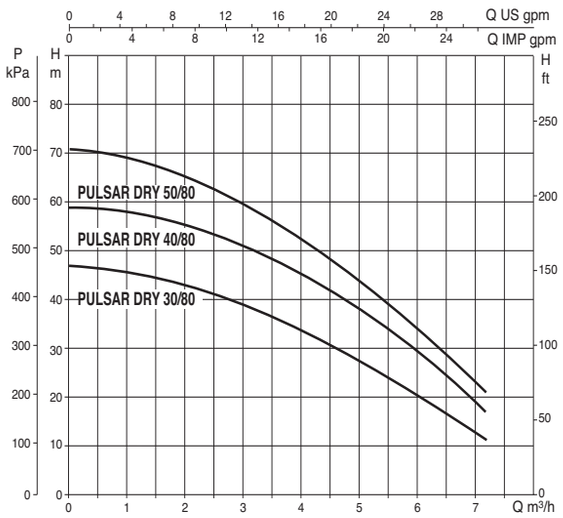
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					CAPACITOR		HYDRAULIC DATA							
		VOLTAGE 50 Hz	P1 kW	P2		In A			Q m^3/h	0	1,2	2,4	3,6	4,8	6	7,2
				kW	HP		µF	Vc	l/min	0	20	40	60	80	100	120
PULSAR DRY 20/50 M-NA	**104165280**	1x230 V~	0,78	0,55	0,75	3,7	20	450	H (m)							
PULSAR DRY 20/50 T-NA	**104165490**	3x230 V~	0,60	0,55	0,75	2,8	-	-		29	27	23,2	17,2	10,3		
PULSAR DRY 20/50 T-NA	**104165290**	3x400 V~	0,60	0,55	0,75	1,62										
PULSAR DRY 30/50 M-NA	**104165200**	1x230 V~	0,94	0,55	0,75	4,4	16	450								
PULSAR DRY 30/50 T-NA	**104165410**	3x230 V~	0,87	0,55	0,75	2,85	-	-		42	38,2	33,8	24,8	13,5		
PULSAR DRY 30/50 T-NA	**104165210**	3x400 V~	0,87	0,55	0,75	1,65										
PULSAR DRY 40/50 M-NA	**104165220**	1x230 V~	1,12	0,75	1	5,2	16	450								
PULSAR DRY 40/50 T-NA	**104165430**	3x230 V~	1,03	0,75	1	3,2	-	-		56	51	45	33	18		
PULSAR DRY 40/50 T-NA	**104165230**	3x400 V~	1,03	0,75	1	1,85										
PULSAR DRY 50/50 M-NA	**104165240**	1x230 V~	1,45	1	1,36	6,5	25	450								
PULSAR DRY 50/50 T-NA	**104165450**	3x230 V~	1,35	1	1,36	4,15	-	-		72	65,5	58	43,6	24,5		
PULSAR DRY 50/50 T-NA	**104165250**	3x400 V~	1,35	1	1,36	2,4										
PULSAR DRY 65/50 M-NA	**104165260**	1x230 V~	1,70	1,2	1,6	7,8	30	450								
PULSAR DRY 65/50 T-NA	**104165470**	3x230 V~	1,60	1,2	1,6	5	-	-		86	78,5	70	52,8	29		
PULSAR DRY 65/50 T-NA	**104165270**	3x400 V~	1,60	1,2	1,6	2,9										
PULSAR DRY 30/80 M-NA	**104165300**	1x230 V~	1,12	0,75	1	5,2	16	450								
PULSAR DRY 30/80 T-NA	**104165510**	3x230 V~	1,03	0,75	1	3,2	-	-		51	48,2	44,8	39,2	32,4	23,5	13
PULSAR DRY 30/80 T-NA	**104165310**	3x400 V~	1,03	0,75	1	1,85										
PULSAR DRY 40/80 M-NA	**104165320**	1x230 V~	0,78	1	1,36	6,5	25	450								
PULSAR DRY 40/80 T-NA	**104165530**	3x230 V~	0,60	1	1,36	4,15	-	-		64	61	56,8	50	41,5	30,5	16,2
PULSAR DRY 40/80 T-NA	**104165330**	3x400 V~	0,60	1	1,36	2,4										
PULSAR DRY 50/80 M-NA	**104165340**	1x230 V~	0,94	1,2	1,6	7,8	30	450								
PULSAR DRY 50/80 T-NA	**104165550**	3x230 V~	0,87	1,2	1,6	5	-	-		77	73,2	68	60	50	37	19,6
PULSAR DRY 50/80 T-NA	**104165350**	3x400 V~	0,87	1,2	1,6	2,9										

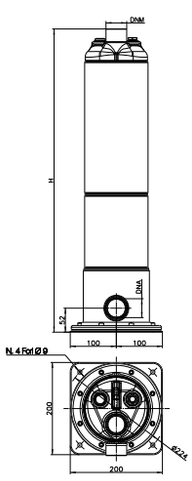
A= automatic with float NA= non automatic without float

TECHNICAL DATA





DIMENSIONS AND WEIGHTS



MODEL	H	PACKAGING DIMENSION			PACKAGING VOLUME	Q.TY X PALLET	Ø		WEIGHT Kg		
		L/A	L/B	H	m^3		DNM GAS	DNA GAS	MA	MNA	TNA
PULSAR DRY 20/50 M-NA	603	780	240	265	0,049	20	1 1/4"	1 1/4"	-	16,5	17
PULSAR DRY 20/50 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 30/50 M-NA	562	690	220	165	0,037	20	1 1/4"	1 1/4"	-	16,7	17,3
PULSAR DRY 30/50 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 40/50 M-NA	562	690	220	165	0,037	20	1 1/4"	1 1/4"	-	17	17,5
PULSAR DRY 40/50 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 50/50 M-NA	630	690	220	165	0,037	20	1 1/4"	1 1/4"	-	18	18,5
PULSAR DRY 50/50 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 65/50 M-NA	657	690	220	165	0,037	9	1 1/4"	1 1/4"	-	19	19,5
PULSAR DRY 65/50 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 30/80 M-NA	562	690	220	165	0,037	20	1 1/4"	1 1/4"	-	17	17,5
PULSAR DRY 30/80 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 40/80 M-NA	630	690	220	165	0,037	20	1 1/4"	1 1/4"	-	18	18,5
PULSAR DRY 40/80 T-NA							1 1/4"	1 1/4"			
PULSAR DRY 50/80 M-NA	657	690	220	165	0,037	9	1 1/4"	1 1/4"	-	19	19,5
PULSAR DRY 50/80 T-NA							1 1/4"	1 1/4"			

DAB PUMPS reserves the right to make modifications without notice

DIVER 6

6” MULTISTAGE SUBMERSIBLE PUMPS



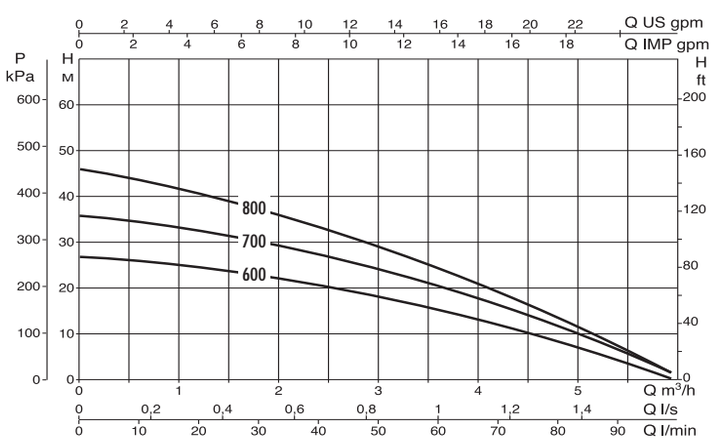
CE

DOMESTIC WATER SUPPLY

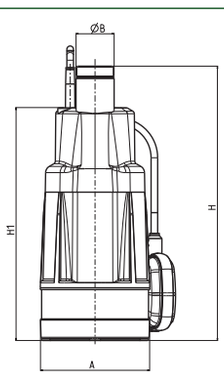
Multi-stage powerful submersible pumps ideal for rain water systems, operating sprinklers, pumping water from tanks, cisterns, ponds and wells and other applications that require high pressure. Available with 2, 3 and 4 impellers. Suitable to pump clear water.
Anti-corrosive and rust-proof materials.
Motor with thermic overload protection.
Wear resistant shaft.
Anti-debris stainless steel strainer.
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Automatic version with start/ stop float switch.
Supplied with power cable with plug, non return valve and 4-step fitting.

TECHNICAL DATA

MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		CABLE LENGTH m.
			kW	HP	
DIVER 6 - 600 M-A	60122630	1 x 230 V	0,55	0,75	15
DIVER 6 - 700 M-A	60122631	1 x 230 V	0,65	0,88	15
DIVER 6 - 800 M-A	60122632	1 x 230 V	0,75	1	15



DIMENSIONS AND WEIGHTS



MODEL	A	ØB	H	H1	Ø	PACKAGING DIMENSION m³	GROSS WEIGHT Kg
DIVER 6 600 M-A	150	52	350	293	1”	0,008	7,5
DIVER 6 700 M-A	150	52	375	318	1”	0,008	8,7
DIVER 6 800 M-A	150	52	400	343	1”	0,009	9

AB DIVER 6

6” MULTISTAGE SUBMERSIBLE PUMPS



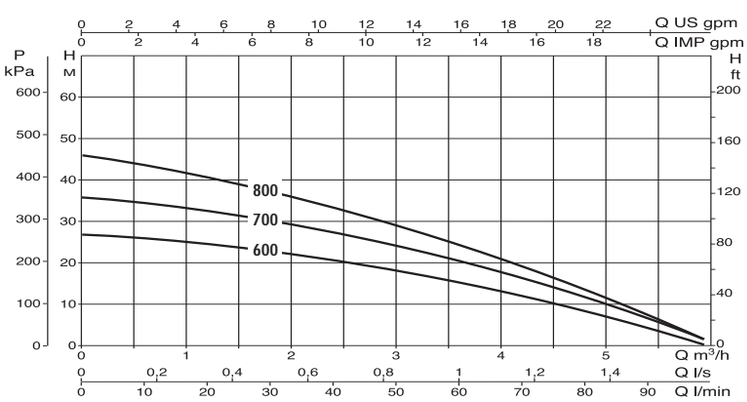
CE

SPECIAL APPLICATION FOR USE IN AdBlue®

Multi-stage powerful submersible pumps ideal for rain water systems, operating sprinklers, pumping water from tanks, cisterns, ponds and wells and other applications that require high pressure. Available with 2, 3 and 4 impellers. Suitable to pump clear water.
The models AB Diver 6 -A are multi-stage powerful submersible pumps available with 2, 3 and 4 impellers specifically developed for use in AdBlue®.
Anti-corrosive and rust-proof materials.
Motor with thermic overload protection.
Wear resistant shaft.
Anti-debris stainless steel strainer.
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Automatic version with start/ stop float switch.
Supplied with power cable with plug, non return valve and 4-step fitting.

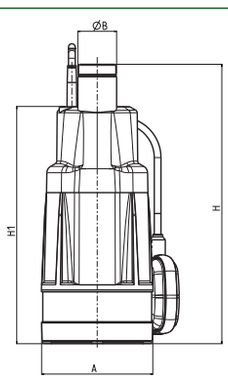
TECHNICAL DATA

MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		CABLE LENGTH m.
			kW	HP	
AB DIVER 6 - 600 M-A	60122633	1 x 230 V	0,55	0,75	15
AB DIVER 6 - 700 M-A	60122634	1 x 230 V	0,65	0,88	15
AB DIVER 6 - 800 M-A	60122635	1 x 230 V	0,75	1	15



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DIMENSIONS AND WEIGHTS



MODEL	A	ØB	H	H1	Ø	PACKAGING DIMENSION m^3	GROSS WEIGHT Kg
AB DIVER 6 600 M-A	150	52	350	293	1”	0,008	7,5
AB DIVER 6 700 M-A	150	52	375	318	1”	0,008	8,7
AB DIVER 6 800 M-A	150	52	400	343	1”	0,009	9

DAB PUMPS reserves the right to make modifications without notice

DIVERTRON

6” ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS



DIVERTRON



DIVERTRON X

CE

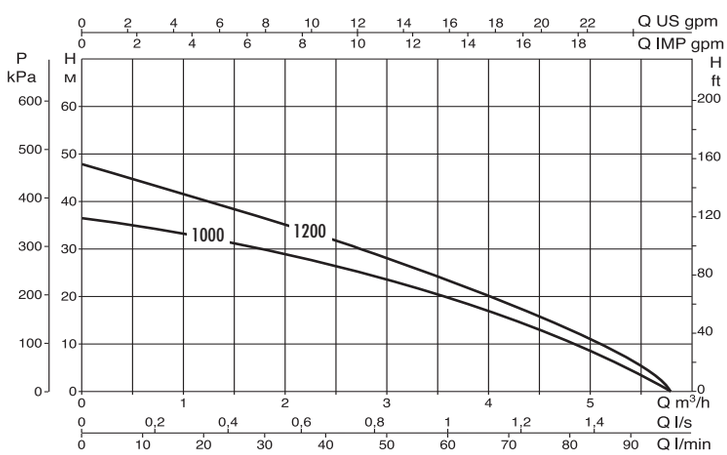
DOMESTIC WATER SUPPLY

Submersible pressure pumps with built-in integrated electronics, designed to automatically start and stop the pump.
Built-in electronic board, pressure switch and flow sensor.
Equipped with dry-run protection.
Built-in non return valve.
Easy to use.

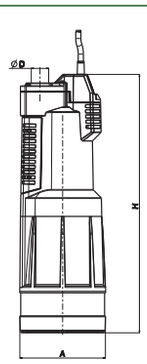
High reliability.
Available with 3 or 4 impellers.
Supplied with 15 m power cord.
Available with screen filter or stainless steel ring for use of suction kit.

TECHNICAL DATA

MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		CABLE LENGTH m.
			kW	HP	
DIVERTRON 1000 M	60122623	1 x 230 V	0,65	0,88	15
DIVERTRON X 1000 M	60122625	1 x 230 V	0,65	0,88	15
DIVERTRON 1200 M	60122626	1 x 230 V	0,75	1	15
DIVERTRON X 1200 M	60122627	1 x 230 V	0,75	1	15



DIMENSIONS AND WEIGHTS



MODEL	A	ØD	H	DNM	GROSS WEIGHT Kg
DIVERTRON 1000	150	30	450	1”	11
DIVERTRON X 1000	150	30	450	1”	11
DIVERTRON1200	150	30	450	1”	11
DIVERTRON X 1200	150	30	480	1”	11

MICRA HS - *DOMESTIC WATER SUPPLY*

MODEL	Q (m³/h) (l/min)	1	1,2	2	2,5	3	3,5	4	4,5	5	5,5
		17	20	33	42	50	58	67	75	84	92
MICRA 302-2	H (m)	24	21	19	16	13	10	6			
MICRA 302-3		35	31	29	25	20	15	10			
MICRA 302-4		45	42	40	32	28	20	12			
MICRA 302-5		62	57	52	45	39	30	20			
MICRA 302-6		70	65	60	50	40	30	20			
MICRA 302-7		80	75	68	55	47	35	22			
MICRA 302-8		90	82	79	63	55	40	23			
MICRA 303-2		30	27	26	24	22	20	16	13		
MICRA 303-3		45	42	40	36	33	30	25	20		
MICRA 303-4		60	57	54	50	47	41	37	30		
MICRA 303-5		72	70	65	61	56	50	44	36		
MICRA 303-6		85	81	77	71	65	58	50	40		
MICRA 304-3		48	45	43	41	39	37	33	30	28	25
MICRA 304-4		65	63	61	58	55	51	47	42	38	32

MICRA - *DOMESTIC WATER SUPPLY*

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	0,6	1,2	1,5	1,8	2,4
SINGLE-PHASE	THREE-PHASE	kW	HP		0	10	20	25	30	40
MICRA 50 M	-	0,37	0,5	H (m)	49	41	35	31	27	14
MICRA 75 M	**MICRA 75 T**	0,55	0,75		72	64	54	48	42	23
MICRA 100 M	**MICRA 100 T**	0,75	1		97	84	72	65	56	30

DAB PUMPS reserves the right to make modifications without notice

MICRA HS

HIGH SPEED 3" SUBMERSIBLE PUMPS





ACTIVE DRIVER

CE

DOMESTIC WATER SUPPLY

Applications
Electric borehole pumps for 3" wells or larger.
These units have a very extensive range of applications for lifting and distribution in domestic and industrial water systems, filling of pressure vessels and tanks, pressure booster and irrigation systems.
MICRA HS is composed by a three-phase submersible pumps and driven by a sigle phase inverter (ACTIVE DRIVER).

Pump construction features
Multi-stage centrifugal type. Directly coupled pump and motor with rigid coupling. Impellers and thrust rings in Noryl and diffusers in self-lubricating polyacetal. Pump liner, shaft with coupling, filter and cable cover in stainless steel.
Base support and head in brass with check valve incorporated in head.

Motor construction characteristics
Submerged asynchronous two-pole motor made entirely of AISI 304 stainless steel with brass supports. Squirrel cage rotor in copper mounted on Kingsbury thrust block. Cooling of the thrust bearing assembly and the bushings is provided by water, thereby eliminating the risk of contamination. Canned stator in an airtight casing made of AISI 304L stainless steel.

THE ACTIVE DRIVER 2.2 is pre-setted for the functioning at 110 Hz frequency.
Power supply tolerance: 230 V Single phase +10%/ 20%.
Max. Frequency: 110 Hz (6300 rpm).
Max. motor phase current: 10.5 Amp rms.
Absolute minimum voltage: 184 V.
Absolute maximum voltage: 264 V.
Pump voltage: 230 V three-phase.
Operating range: from 1 to 5.5 m^3/h with head of up to 90 m.
Pumped liquid: clean, free of solid or abrasive conta minants, non-viscous, non-aggressive, chemically neutral, close to the properties of water.
Liquid temperature range: from 0°C to +35°C.
Maximum permissible sand quantity: 30g/m^3.
Installation: in 3" boreholes or larger, tanks and cisterns, vertical position. In the event of horizontal installation ensure a minimum load is applied to the thrust bearing assembly.
Motor power cable: 1.4 m.
Available with a 30 m or 60 m shelded cable.
The package contain submersibe pumps, active driver and power cable.

TECHNICAL DATA

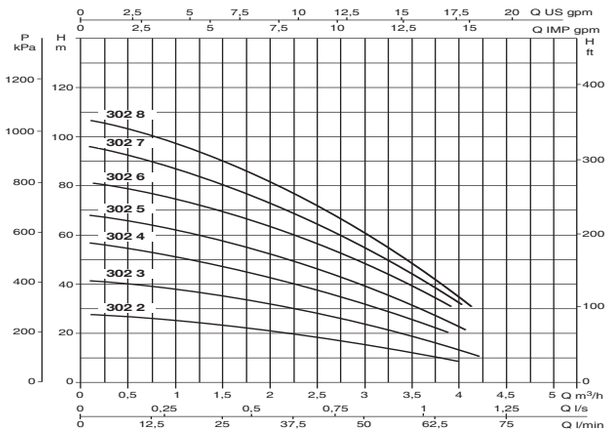
MODEL	CODE	ELECTRICAL DATA		CABLE LENGTH m.	Q m^3/h	HYDRAULIC DATA (n ~ 6300 1/min)									
		ACTIVE DRIVER VOLTAGE 50 Hz	P1 MAX kW			1	1.5	2	2.5	3	3.5	4	4.5	5	5,5
					l/min	17	25	33	42	50	58	67	75	84	92
MICRA HS 302 - 2	60141518	1x230 V ~	1	1,4	H (m)	24	21	19	16	13	10	6			
MICRA HS 302 - 3	60141519	1x230 V ~	1.1	1,4		35	31	29	25	20	15	10			
MICRA HS 302 - 4	60141520	1x230 V ~	1.2	1,4		45	42	40	32	28	20	12			
MICRA HS 302 - 5	60141521	1x230 V ~	1.5	1,4		62	57	52	45	39	30	20			
MICRA HS 302 - 6	60141522	1x230 V ~	1.6	1,4		70	65	60	50	40	30	20			
MICRA HS 302 - 7	60141524	1x230 V ~	1.8	1,4		80	75	68	55	47	35	22			
MICRA HS 302 - 8	60141525	1x230 V ~	2	1,4		90	82	79	63	55	40	23			
MICRA HS 303 - 2	60141526	1x230 V ~	1.1	1,4		30	27	26	24	22	20	16	13		
MICRA HS 303 - 3	60141527	1x230 V ~	1.3	1,4		45	42	40	36	33	30	25	20		
MICRA HS 303 - 4	60141528	1x230 V ~	1.6	1,4		60	57	54	50	47	41	37	30		
MICRA HS 303 - 5	60141529	1x230 V ~	1.9	1,4		72	70	65	61	56	50	44	36		
MICRA HS 303 - 6	60141530	1x230 V ~	2.2	1,4		85	81	77	71	65	58	50	40		
MICRA HS 304 - 3	60141531	1x230 V ~	1.8	1,4		48	45	43	41	39	37	33	30	28	25
MICRA HS 304 - 4	60141533	1x230 V ~	2.1	1,4		65	63	61	58	55	51	47	42	38	32
MICRA HS 302-2 +L30	60141534	1x230 V ~	1	30		24	21	19	16	13	10	6			
MICRA HS 302-3 +L30	60141535	1x230 V ~	1.1	30		35	31	29	25	20	15	10			
MICRA HS 302-4 +L30	60141536	1x230 V ~	1.2	30		45	42	40	32	28	20	12			
MICRA HS 302-5 +L30	60141537	1x230 V ~	1.5	30		62	57	52	45	39	30	20			
MICRA HS 302-6 +L30	60141538	1x230 V ~	1.6	30		70	65	60	50	40	30	20			
MICRA HS 302-7 +L30	60141539	1x230 V ~	1.8	30		80	75	68	55	47	35	22			
MICRA HS 302-8 +L30	60141540	1x230 V ~	2	30		90	82	79	63	55	40	23			
MICRA HS 303-2 +L30	60141541	1x230 V ~	1.1	30		30	27	26	24	22	20	16	13		
MICRA HS 303-3 +L30	60141542	1x230 V ~	1.3	30		45	42	40	36	33	30	25	20		
MICRA HS 303-4 +L30	60141543	1x230 V ~	1.6	30		60	57	54	50	47	41	37	30		
MICRA HS 303-5 +L30	60141544	1x230 V ~	1.9	30		72	70	65	61	56	50	44	36		
MICRA HS 303-6 +L30	60141545	1x230 V ~	2.2	30		85	81	77	71	65	58	50	40		
MICRA HS 304-3 +L30	60141546	1x230 V ~	1.8	30		48	45	43	41	39	37	33	30	28	25
MICRA HS 304-4 +L30	60141547	1x230 V ~	2.1	30		65	63	61	58	55	51	47	42	38	32

MICRA HS

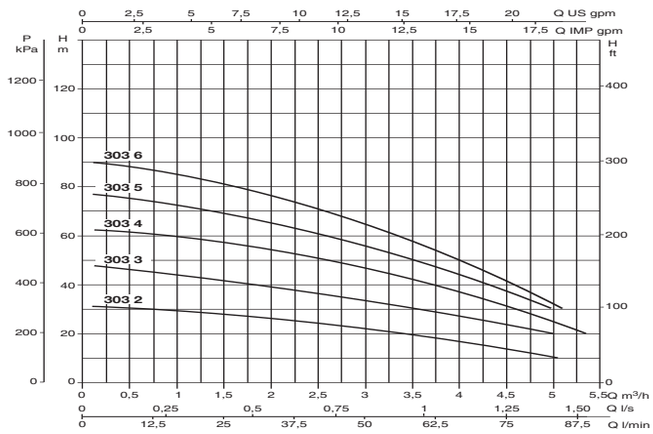
HIGH SPEED 3" SUBMERSIBLE PUMPS

MODEL	CODE	ELECTRICAL DATA		CABLE LENGTH m.	Q m^3/h	HYDRAULIC DATA n ~ 6300 1/min)									
		ACTIVE DRIVER VOLTAGE 50 Hz	P1 MAX kW			m.	1.5	2	2.5	3	3.5	4	4.5	5	5,5
					l/min	17	25	33	42	50	58	67	75	84	92
MICRA HS 302-2 +L60	60141548	1x230 V ~	1	60	H (m)	24	21	19	16	13	10	6			
MICRA HS 302-3 +L60	60141549	1x230 V ~	1.1	60		35	31	29	25	20	15	10			
MICRA HS 302-4 +L60	60141550	1x230 V ~	1.2	60		45	42	40	32	28	20	12			
MICRA HS 302-5 +L60	60141551	1x230 V ~	1.5	60		62	57	52	45	39	30	20			
MICRA HS 302-6 +L60	60141552	1x230 V ~	1.6	60		70	65	60	50	40	30	20			
MICRA HS 302-7 +L60	60141553	1x230 V ~	1.8	60		80	75	68	55	47	35	22			
MICRA HS 302-8 +L60	60141554	1x230 V ~	2	60		90	82	79	63	55	40	23			
MICRA HS 303-2 +L60	60141555	1x230 V ~	1.1	60		30	27	26	24	22	20	16	13		
MICRA HS 303-3 +L60	60141556	1x230 V ~	1.3	60		45	42	40	36	33	30	25	20		
MICRA HS 303-4 +L60	60141557	1x230 V ~	1.6	60		60	57	54	50	47	41	37	30		
MICRA HS 303-5 +L60	60141558	1x230 V ~	1.9	60		72	70	65	61	56	50	44	36		
MICRA HS 303-6 +L60	60141559	1x230 V ~	2.2	60		85	81	77	71	65	58	50	40		
MICRA HS 304-3 +L60	60141560	1x230 V ~	1.8	60		48	45	43	41	39	37	33	30	28	25
MICRA HS 304-4 +L60	60141561	1x230 V ~	2.1	60		65	63	61	58	55	51	47	42	38	32

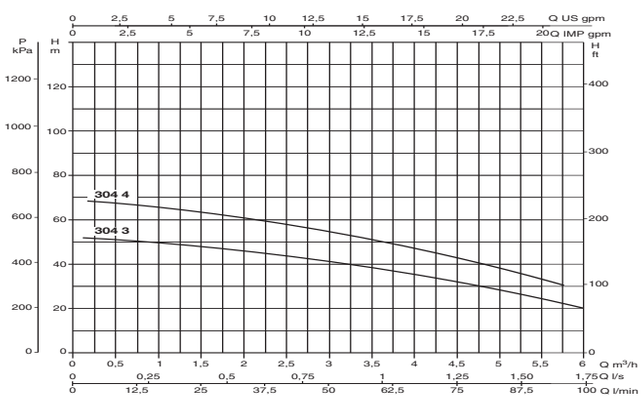
MICRA HS 302



MICRA HS 303

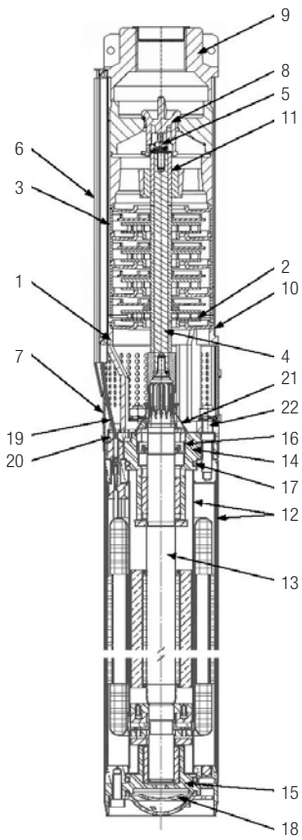


MICRA HS 304



*Performances measured at maximum frequency of 110 Hz

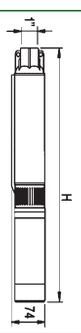
DAB PUMPS reserves the right to make modifications without notice



N.	PART	MATERIALS
	PUMP	
1	BASE SUPPORT	BRASS OT58
2	IMPELLER	NORYL GFN2
3	DIFFUSER	POLYACETAL
4	SHAFT WITH COUPLING	AISI 430F
5	IMPELLERS LOCKING NUT	AISI 304
6	CABLE SHEATH	AISI 430
7	STRAINER	AISI 430
8	VALVE	POLYACETAL
9	DISCHARGE SECTION	BRASS OT58
10	PUMP LINER	AISI 304
11	BUSHES	AISI 316L
	MOTORS	
12	INTERNAL SLEEVE AND OUTER CASING	AISI 304
13	SHAFT	AISI 431
14	UPPER SUPPORT	BRASS OT58
15	LOWER SUPPORT	BRASS OT58
16	LIP SEAL	NBR
17	GASKETS	NBR
18	BELLOW SEAL	EPDM
19	CABLE	EPDM
20	CONNECTOR PLUG	AISI 304
21	SAND GUARD	NBR
22	THREADED FASTENERS	AISI 304

in contact with the liquid

DIMENSIONS AND WEIGHTS



MODEL	Ø	H	DNM G	PACKAGING DIMENSIONS (mm)		
				L/A	L/B	H
MICRA HS 302-2	74	580	1"	320	1300	275
MICRA HS 302-3	74	605	1"	320	1300	275
MICRA HS 302-4	74	630	1"	320	1300	275
MICRA HS 302-5	74	655	1"	320	1300	275
MICRA HS 302-6	74	680	1"	320	1300	275
MICRA HS 302-7	74	705	1"	320	1300	275
MICRA HS 302-8	74	730	1"	320	1300	275
MICRA HS 303-2	74	580	1"	320	1300	275
MICRA HS 303-3	74	605	1"	320	1300	275
MICRA HS 303-4	74	630	1"	320	1300	275
MICRA HS 303-5	74	655	1"	320	1300	275
MICRA HS 303-6	74	680	1"	320	1300	275
MICRA HS 304-3	74	605	1"	320	1300	275
MICRA HS 304-4	74	630	1"	320	1300	275

MICRA

3" SUBMERSIBLE PUMPS



DOMESTIC WATER SUPPLY

Centrifugal type. Directly coupled pump and motor with rigid coupling. Impellers and thrust rings in Noryl and diffusers in self-lubricating polyacetyl. Pump liner, shaft and coupling, strainer and cable sheath in stainless steel. Base support and head in brass with check valve incorporated in head. Submersible asynchronous two-pole motor made entirely of AISI 304 stainless steel with brass bearings. Squirrel cage rotor in copper mounted on Kingsbury thrust block. Cooling of the thrust bearing assembly and the bushings is provided by water, thereby eliminating the risk of oil contamination. Canned-type stator in an airtight casing made of AISI 304L stainless steel. The automatic reset thermal protection device is integral with the motor.

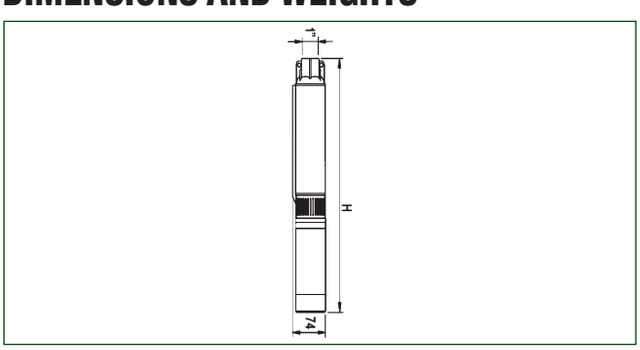
clean, free of solid or abrasive contaminants, non-viscous, chemically neutral, close to the properties of water.
da 0° C a +35° C.
40 g/m^3.
IP 68.
F.
20/h.
MICRA 50 - 1 m.
MICRA 75 - 1,2 m.
MICRA 100 - 1,4 m.
Ready-to-install kit available including single phase electric pump with 15m cable and control panel and double capacitor control panel.

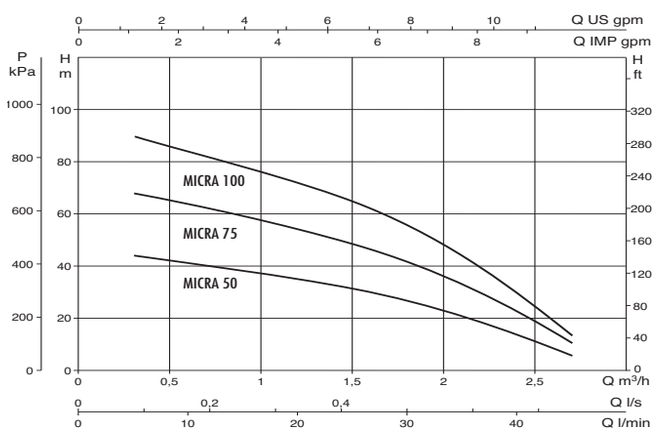
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA							HYDRAULIC DATA (n ≃ 2800 1/min)									
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q m^3/h	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
				kW	HP		µF	Vc	l/min	5	10	15	20	25	30	35	40	45
MICRA 50 M	0090114	1x230 V ~	0,65	0,37	0,5	3,3	12	450	H (m)	45	41	38	35	31	27	21	14	6
MICRA 75 M	0090418	1x230 V ~	0,95	0,55	0,75	5,1	16	450		68	64	59	54	48	42	33	23	11
MICRA 75 T	0090618	3x400 V ~	0,9	0,55	0,75	1,9	–	–		68	64	59	54	48	42	33	23	11
MICRA 100 M	0090817	1x230 V ~	1,2	0,75	1	6,1	20	450		90	84	78	72	65	56	44	30	14
MICRA 100 T	0090944	3x400 V ~	1,15	0,75	1	2,4	–	–		90	84	78	72	65	56	44	30	14
MICRA 50 M + 15 mt. Cable + Control Box*	0090116	1x230 V ~	0,65	0,37	0,5	3,3	12	450		45	41	38	35	31	27	21	14	6
MICRA 75 M + 15 mt. Cable + Control Box*	0090419	1x230 V ~	0,95	0,55	0,75	5,1	16	450		68	64	59	54	48	42	33	23	11
MICRA 100 M + 15 mt. Cable + Control Box*	0090818	1x230 V ~	1,2	0,75	1	6,1	20	450		90	84	78	72	65	56	44	30	14

*** Double capacitor booster control panel to optimize the starting torque**

DIMENSIONS AND WEIGHTS





MODEL	Ø	H	DNM	PACKAGING DIMENSIONS		WEIGHT KG
				Ø	H	
MICRA 50	74	930	1"	86	1150	9
MICRA 75	74	1145	1"	86	1350	10,2
MICRA 100	74	1390	1"	86	1600	13,6

DAB PUMPS reserves the right to make modifications without notice

CS4

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	0,6	1,2	1,5	1,8	2,4	3	4,2	4,8	6
SINGLEPHASE	THREEPHASE	kW	HP		0	10	20	25	30	40	50	70	80	100
CS4A-8 M	-	0,37	0,5		51	44,4	26,8	13,7						
CS4A-12 M	**CS4A-12 T**	0,37	0,5		76,5	66,6	40,2	20,5						
CS4A-18 M	**CS4A-18 T**	0,55	0,75		114,8	99,8	60,3	30,8						
CS4A-25 M	**CS4A-25 T**	0,75	1		159,4	138,7	83,7	42,7						
CS4A-36 M	**CS4A-36 T**	1,1	1,5		229,5	200	120,6	61,6						
CS4B-5 M	-	0,25	0,33		31	30	26	22,6	19	10				
CS4B-8 M	**CS4B-8 T**	0,37	0,5		49,6	47,8	41,5	36,2	30,6	16				
CS4B-12 M	**CS4B-12 T**	0,55	0,75		74,4	71,8	62,3	54,4	45,8	24				
CS4B-16 M	**CS4B-16 T**	0,75	1		99,2	95,7	83	72,5	61	32				
CS4B-24 M	**CS4B-24 T**	1,1	1,5		148,8	143,5	124,6	108,7	91,7	48				
CS4C-6 M	**CS4C-6 T**	0,37	0,5		33		31,8	30,7	29,4	26,4	22,7	13,2		
CS4C-9 M	**CS4C-9 T**	0,55	0,75		49,5		47,7	46	44	39,6	34	19,8		
CS4C-13 M	**CS4C-13 T**	0,75	1		71,5		68,9	66,4	63,7	57,2	49,2	28,6		
CS4C-19 M	**CS4C-19 T**	1,1	1,5		104,5		100,7	97	93	83,6	71,8	41,8		
CS4D-4 M	**CS4D-4 T**	0,37	0,5		24				23	22	21,8	18	16,2	11,2
CS4D-6 M	**CS4D-6 T**	0,55	0,75		36				34,5	33	31,5	27	24,3	16,8
CS4D-8 M	**CS4D-8 T**	0,75	1		48				46	44	42	36	32,5	22,4
CS4D-13 M	**CS4D-13 T**	1,1	1,5		78				74,7	71,5	68,3	59	52,6	36,4

S4

MODEL		P2 NOMINAL		Q (m³/h) (l/min)	0	0,6	1,2	1,5	1,8	2,4	3	4,2	4,8	6	9	11,4	18	24	27
SINGLEPHASE	THREEPHASE	kW	HP		0	10	20	25	30	40	50	70	80	100	150	190	300	400	450
S4A-8 M	-	0,37	0,5		51	44,4	26,8	13,7											
S4A-12 M	-	0,37	0,5		76,5	66,6	40,2	20,5											
S4A-18 M	**S4A-18 T**	0,55	0,75		114,8	99,8	60,3	30,8											
S4A-25 M	**S4A-25 T**	0,75	1		159,4	138,7	83,7	42,7											
S4A-36 M	**S4A-36 T**	1,1	1,5		229,5	200	120,6	61,6											
S4A-50 M	**S4A-50 T**	1,5	2		318,8	277,4	167,5	85,5											
S4B-5 M	-	0,25	0,33		31	30	26	22,6	19	10									
S4B-8 M	-	0,37	0,5		49,6	47,8	41,5	36,2	30,6	16									
S4B-12 M	**S4B-12 T**	0,55	0,75		74,4	71,8	62,3	54,4	45,8	24									
S4B-16 M	**S4B-16 T**	0,75	1		99,2	95,7	83	72,5	61	32									
S4B-24 M	**S4B-24 T**	1,1	1,5		148,8	143,5	124,6	108,7	91,7	48									
S4B-32 M	**S4B-32 T**	1,5	2		198,4	191,4	166	144,9	122,2	64									
S4B-40 M	**S4B-40 T**	2,2	3		248	239,2	207,6	181,2	152,8	80									
S4B-48 M	**S4B-48 T**	2,2	3		297,6	287,1	249,2	217,4	183,4	96									
S4C-6 M	-	0.37	0.5		33		31,8	30,7	29,4	26,4	22,7	13,2							
S4C-9 M	**S4C-9 T**	0,55	0,75		49,5		47,7	46	44	39,6	34	19,8							
S4C-13 M	**S4C-13 T**	0,75	1		71,5		68,9	66,4	63,7	57,2	49,2	28,6							
S4C-19 M	**S4C-19 T**	1,1	1,5		104,5		100,7	97	93	83,6	71,8	41,8							
S4C-25 M	**S4C-25 T**	1,5	2		137,5		132,5	128	122,5	110	94,5	55							
S4C-32 M	**S4C-32 T**	2,2	3		176		169,6	163	156,8	140,8	120,9	70,4							
S4C-39 M	**S4C-39 T**	2,2	3		214,5		206,7	200	191,1	171,6	147,4	85,8							
-	**S4C-45 T**	3	4		247,5		238,5	229	220,5	198	170,1	99							
-	**S4C-51 T**	3	4		280,5		270,3	261	250	224,4	192,8	112,2							
S4D-4 M	-	0,37	0,5		24				23	22	21,8	18	16,2	11,2					
S4D-6 M	**S4D-6 T**	0,55	0,75		36				34,5	33	31,5	27	24,3	16,8					
S4D-8 M	**S4D-8 T**	0,75	1		48				46	44	42	36	32,5	22,4					
S4D-13 M	**S4D-13 T**	1,1	1,5		78				74,7	71,5	68,3	59	52,6	36,4					
S4D-17 M	**S4D-17 T**	1,5	2		102				98	93,5	89,5	77,5	68,8	47,6					
S4D-21 M	**S4D-21 T**	2,2	3		126				121	115,5	110	96	85	58,8					
S4D-25 M	**S4D-25 T**	2,2	3		150				144	137,5	132	114,5	101,2	70					
-	**S4D-29 T**	3	4		174				166	159,5	152	132	117,4	81,2					
-	**S4D-34 T**	3	4		204				196	187	179,5	155	137,7	95,2					
-	**S4D-38 T**	4	5,5		228				219	209	200	173	153,9	106,4					
-	**S4D-45 T**	4	5,5		270				259	247,5	237	205	182,2	127					
S4E-6 M	**S4E-6 T**	0,75	1		40,5							31,5	30	27	17,6	7,7			
S4E-8 M	**S4E-8 T**	1,1	1,5		54							42	40	37	23,4	10,3			
S4E-12 M	**S4E-12 T**	1,5	2		81							63	60	55	35,2	15,5			
S4E-17 M	**S4E-17 T**	2,2	3		114,8							89,5	86	78	49,8	21,9			
-	**S4E-20 T**	3	4		135							105	101,5	91	58,6	25,7			
-	**S4E-23 T**	3	4		155,4							120,5	117	104,5	67,4	29,6			
-	**S4E-27 T**	4	5,5		182,4							141,5	137	122,5	79,2	34,8			
-	**S4E-31 T**	4	5,5		209,4							162	156	140	90,9	39,9			
-	**S4E-36 T**	5,5	7,5		243,2							188	180	162	105,5	46,5			
-	**S4E-42 T**	5,5	7,5		283,7							220	211	189	123,2	54			
S4F-7 M	**S4F-7 T**	2,2	3		40,5										36	33	24	15	11
-	**S4F-10 T**	3	4		58										50,8	47	34	22	16
-	**S4F-13 T**	4	5,5		76										66	62	44,7	28	20
-	**S4F-18 T**	5,5	7,5		104,5										91	84	61,2	39	28

CS4

4” SUBMERSIBLE PUMPS



CE

DOMESTIC WATER SUPPLY

Multistage, centrifugal, submerged motor-driven pumps for 4” wells or larger, able to generate a vast range of heads and flow rates.
They can be employed in a wide range of lifting, distributing and pressurising applications in civil and industrial water installations, supplying autoclaves and cisterns, fire fighting and washing systems, irrigation systems.
Constructional characteristics:
Base support (with built-in filter) and upper head (with built-in check valve) in technopolymer.
Plastic cable cover.
Two-pole, water-filled, submersible TESLA electric motor, built entirely in AISI 304 stainless steel for the parts in contact with the water. Canned-type stator.
Capacitor and manually resettable overload protection inside the panel.
Protection for the three-phase version is the responsibility of the user.
Complete with Control Box, 15 or 30 m of electric wire (depending on the models) and safety cord.
Pumped liquid: clean, free from solid or abrasive substances, chemically neutral and close to the characteristics of water.
Liquid temp. range: from 0°C to +40°C.
Motor protection level: IP 68.
Insulation class: F.
Special versions on request: with different voltages and/or frequencies.
Maximum content of sand: 120 g/m³.
The CONTROL BOX HS is available on request for the single phase version to increase the static torque.
Available also with TESLA oil - filled motor. (On request).

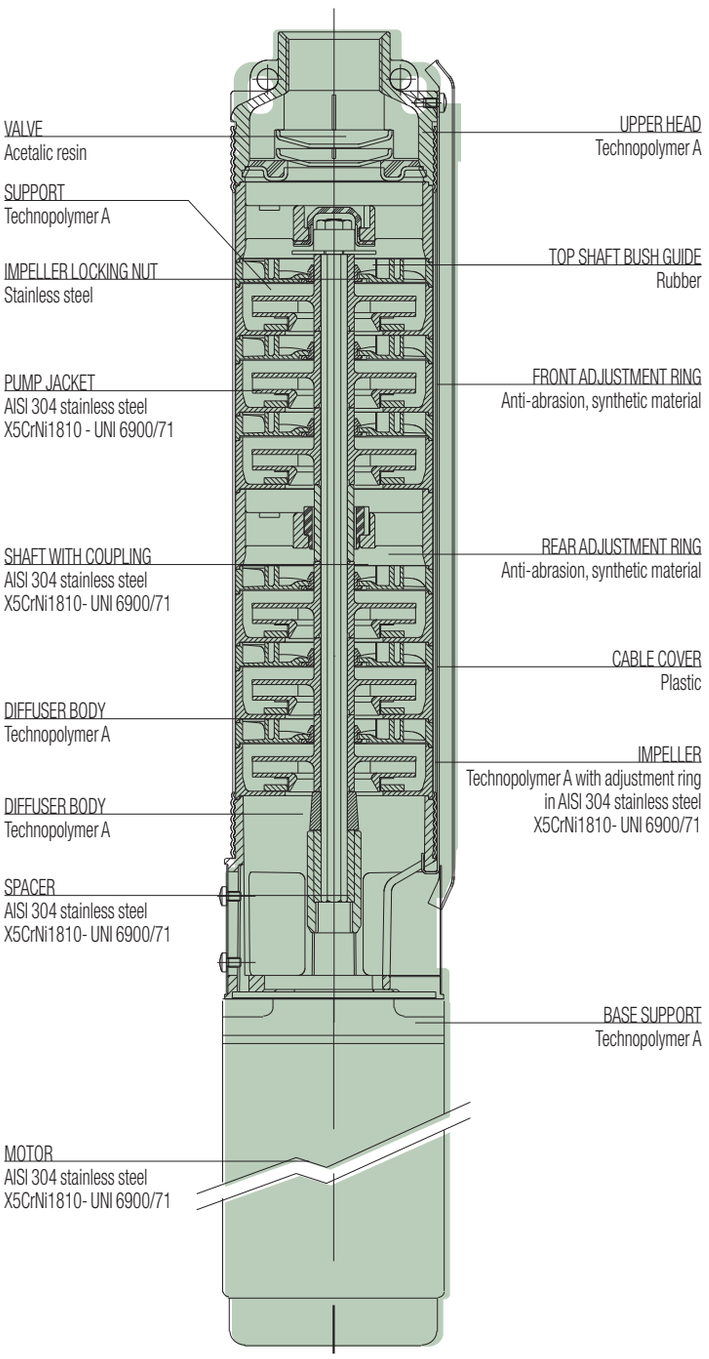
TECHNICAL DATA

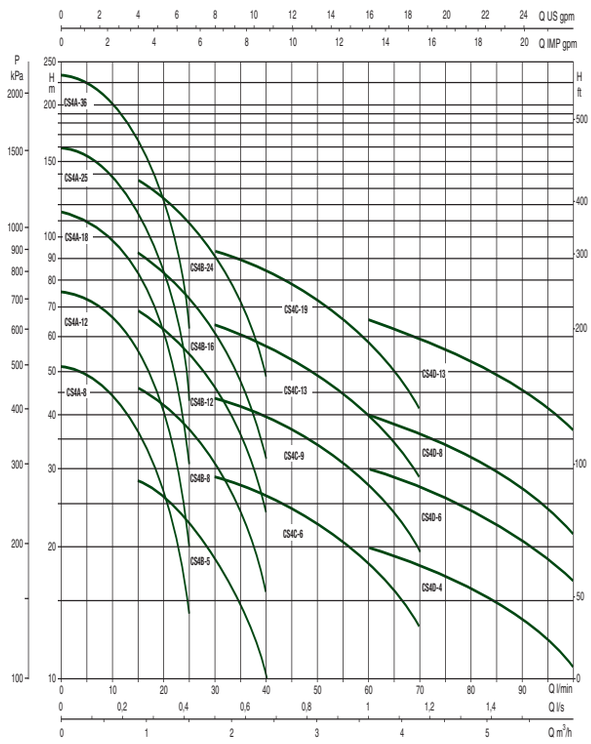
MODEL	CODE	ELECTRICAL DATA				DNM	H mm	CABLE LENGHT mt.	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz		P2 NOMINAL						
				kW	HP					
CS4A-8 M	104100202	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	577	15	13	18
CS4A-12 M	104100212	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	677	15	14,7	18
CS4A-12 T	104103012	3x400 V ~	0,37	0,5	1,6	1 1/4" G-F	657	15	12,9	18
CS4A-18 M	104100222	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	825	30	18,3	18
CS4A-18 T	104103022	3x400 V ~	0,55	0,75	8	1 1/4" G-F	795	30	17,2	18
CS4A-25 M	104100232	1x230 V ~	0,75	1	6,2	1 1/4" G-F	993	30	22	18
CS4A-25 T	104103032	3x400 V ~	0,75	1	12	1 1/4" G-F	965	30	19,4	18
CS4A-36 M	104100242	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	1303	30	25	18
CS4A-36 T	104103042	3x400 V ~	1,1	1,5	14	1 1/4" G-F	1245	30	22,6	18
CS4B-5 M	104100402	1x230 V ~	0,25	0,33	3,3	1 1/4" G-F	530	15	12,5	18
CS4B-8 M	104100412	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	617	15	14	18
CS4B-8 T	104103212	3x400 V ~	0,37	0,5	1,6	1 1/4" G-F	597	15.	12,2	18
CS4B-12 M	104100422	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	735	15	15,9	18
CS4B-12 T	104103222	3x400 V ~	0,55	0,75	8	1 1/4" G-F	707	15	13,5	18
CS4B-16 M	104100432	1x230 V ~	0,75	1	6,2	1 1/4" G-F	853	30	20	18
CS4B-16 T	104103232	3x400 V ~	0,75	1	12	1 1/4" G-F	825	30	18,4	18
CS4B-24 M	104100442	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	1090	30	25	18
CS4B-24 T	104103242	3x400 V ~	1,1	1,5	14	1 1/4" G-F	1033	30	21	18
CS4C-6 M	104100602	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	632	15	14,1	18
CS4C-6 T	104103402	3x400 V ~	0,37	0,5	1,6	1 1/4" G-F	612	15	12	18
CS4C-9 M	104100612	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	758	15	14,8	18
CS4C-9 T	104103412	3x400 V ~	0,55	0,75	8	1 1/4" G-F	729	15	13	18
CS4C-13 M	104100622	1x230 V ~	0,75	1	6,2	1 1/4" G-F	915	30	21,2	18
CS4C-13 T	104103422	3x400 V ~	0,75	1	12	1 1/4" G-F	884	30	18,5	18
CS4C-19 M	104100632	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	1168	30	23,7	18
CS4C-19 T	104103432	3x400 V ~	1,1	1,5	5,7	1 1/4" G-F	1110	30	21,3	18
CS4D-4 M	104100802	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	567	15	14	18
CS4D-4 T	104103602	3x400 V ~	0,37	0,5	1,6	1 1/4" G-F	547	15	11,8	18
CS4D-6 M	104100812	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	660	15	14,2	18
CS4D-6 T	104103612	3x400 V ~	0,55	0,75	8	1 1/4" G-F	632	15	13,1	18
CS4D-8 M	104100822	1x230 V ~	0,75	1	6,2	1 1/4" G-F	753	15	17,2	18
CS4D-8 T	104103622	3x400 V ~	0,75	1	12	1 1/4" G-F	725	15	14,6	18
CS4D-13 M	104100832	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	973	30	22,6	18
CS4D-13 T	104103632	3x400 V ~	1,1	1,5	5,7	1 1/4" G-F	915	30	20,2	18

AVAILABLE THREE-PHASE 3 X 230 V VERSION

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA





S4
4" SUBMERSIBLE PUMPS

SAND RESISTANT



CE

DOMESTIC, INDUSTRIAL WATER SUPPLY

Multistage, centrifugal, submerged motor-driven pumps for 4" wells or larger, able to generate a vast range of heads and flow rates.
They can be employed in a wide range of lifting, distributing and pressurising applications in civil and industrial water installations, supplying autoclaves and cisterns, fire fighting and washing systems, irrigation systems.
Constructional characteristics:
Base support and upper head (with built-in check valve) in stainless steel. Stainless steel cable cover.
Two-pole, water-filles, submersible TESLA electric motor, built entirely in AISI 304 stainless steel for the parts in contact with the water. Canned-type stator.
Capacitor and manually resettable overload protection inside the panel.
Protection for the three-phase version is the responsibility of the user.
Pumped liquid: clean, free from solid or abrasive substances, chemically neutral and close to the characteristics of water.
Liquid temp. range: from 0°C to +40°C.
Motor protection level: IP 68.
Insulation class: F.
Special versions on request: with different voltages and/or frequencies.
Maximum content of sand: 120 g/m^3.
The CONTROL BOX HS is available on request for the single phase version to increase the static torque.
Available also with TESLA oil - filled motor. (On request).

TECHNICAL DATA - Single - phase

MODEL	CODE	ELECTRICAL DATA				DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
S4 A 8 - M	504100202	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	11,2
S4 A 12 - M	504100212	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	12,5
S4 A 18 - M	504100222	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	14,5
S4 A 25 - M	504100232	1x230 V ~	0,75	1	6,2	1 1/4" G-F	19,8
S4 A 36 - M	504100242	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	19,8
S4 A 50 - M	504100252	1x230 V ~	1,5	2	11	1 1/4" G-F	27,8
S4 B 5 - M	504100402	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	10,8
S4 B 8 - M	504100412	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	12,1
S4 B 12 - M	504100422	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	14
S4 B 16 - M	504100432	1x230 V ~	0,75	1	6,2	1 1/4" G-F	15,9
S4 B 24 - M	504100442	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	22,6
S4 B 32 - M	504100452	1x230 V ~	1,5	2	11	1 1/4" G-F	25,4
S4 B 40 - M	504100462	1x230 V ~	2,2	3	16	1 1/4" G-F	29
S4 B 48 - M	504100472	1x230 V ~	2,2	3	16	1 1/4" G-F	32,3
S4 C 6 - M	504100602	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	12
S4 C 9 - M	504100612	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	14,2
S4 C 13 - M	504100622	1x230 V ~	0,75	1	6,2	1 1/4" G-F	16,2
S4 C 19 - M	504100632	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	18,6
S4 C 25 - M	504100642	1x230 V ~	1,5	2	11	1 1/4" G-F	25,2
S4 C 32 - M	504100652	1x230 V ~	2,2	3	16	1 1/4" G-F	27,4
S4 C 39 - M	504100662	1x230 V ~	2,2	3	16	1 1/4" G-F	38
S4 D 4 - M	504100802	1x230 V ~	0,37	0,5	3,3	1 1/4" G-F	11,8
S4 D 6 - M	504100812	1x230 V ~	0,55	0,75	4,6	1 1/4" G-F	13,5
S4 D 8 - M	504100822	1x230 V ~	0,75	1	6,2	1 1/4" G-F	15
S4 D 13 - M	504100832	1x230 V ~	1,1	1,5	8,6	1 1/4" G-F	17,5
S4 D 17 - M	504100842	1x230 V ~	1,5	2	11	1 1/4" G-F	19,6
S4 D 21 - M	504100852	1x230 V ~	2,2	3	16	1 1/4" G-F	24,9
S4 D 25 - M	504100862	1x230 V ~	2,2	3	16	1 1/4" G-F	25,8
S4 E 6 - M	504101002	1x230 V ~	0,75	1	6,2	2" G-F	15,4
S4 E 8 - M	504101012	1x230 V ~	1,1	1,5	8,6	2" G-F	17,1
S4 E 12 - M	504101022	1x230 V ~	1,5	2	11	2" G-F	19,5
S4 E 17 - M	504101032	1x230 V ~	2,2	3	16	2" G-F	25,9
S4 F 7 - M	504101122	1x230 V ~	2,2	3	16	2" G-F	23,5

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - Three-phase

MODEL	CODE	ELECTRICAL DATA				DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
S4 A 18 - T	504103022	3 x 400 V ~	0,55	0,75	1,9	1 1/4" G-F	13,2
S4 A 25 - T	504103032	3 x 400 V ~	0,75	1	2,4	1 1/4" G-F	15
S4 A 36 - T	504103042	3 x 400 V ~	1,1	1,5	3,4	1 1/4" G-F	22,6
S4 A 50 - T	504103052	3 x 400 V ~	1,5	2	4,4	1 1/4" G-F	26,8
S4 B 12 - T	504103222	3 x 400 V ~	0,55	0,75	1,9	1 1/4" G-F	12,5
S4 B 16 - T	504103232	3 x 400 V ~	0,75	1	2,4	1 1/4" G-F	14,2
S4 B 24 - T	504103242	3 x 400 V ~	1,1	1,5	3,4	1 1/4" G-F	16,7
S4 B 32 - T	504103252	3 x 400 V ~	1,5	2	4,4	1 1/4" G-F	23,5
S4 B 40 - T	504103262	3 x 400 V ~	2,2	3	5,9	1 1/4" G-F	25,3
S4 B 48 - T	504103272	3 x 400 V ~	2,2	3	5,9	1 1/4" G-F	27,5
S4 C 9 - T	504103412	3 x 400 V ~	0,55	0,75	1,9	1 1/4" G-F	12,5
S4 C 13 - T	504103422	3 x 400 V ~	0,75	1	2,4	1 1/4" G-F	14,5
S4 C 19 - T	504103432	3 x 400 V ~	1,1	1,5	3,4	1 1/4" G-F	17,1
S4 C 25 - T	504103442	3 x 400 V ~	1,5	2	4,4	1 1/4" G-F	23,2
S4 C 32 - T	504103452	3 x 400 V ~	2,2	3	5,9	1 1/4" G-F	29,5
S4 C 39 - T	504103462	3 x 400 V ~	2,2	3	5,9	1 1/4" G-F	33,5
S4 C 45 - T	504103472	3 x 400 V ~	3	4	8,3	1 1/4" G-F	42,6
S4 C 51 - T	504103482	3 x 400 V ~	3	4	8,3	1 1/4" G-F	44
S4 D 6 - T	504103612	3 x 400 V ~	0,55	0,75	1,9	1 1/4" G-F	12
S4 D 8 - T	504103622	3 x 400 V ~	0,75	1	4,4	1 1/4" G-F	13,5
S4 D 13 - T	504103632	3 x 400 V ~	1,1	1,5	3,4	1 1/4" G-F	15,8
S4 D 17 - T	504103642	3 x 400 V ~	1,5	2	4,4	1 1/4" G-F	17,8
S4 D 21 - T	504103652	3 x 400 V ~	2,2	3	5,9	1 1/4" G-F	20,1
S4 D 25 - T	504103662	3 x 400 V ~	2,2	3	5,9	1 1/4" G-F	26,5
S4 D 29 - T	504103672	3 x 400 V ~	3	4	8,3	1 1/4" G-F	32,5
S4 D 34 - T	504103682	3 x 400 V ~	3	4	8,3	1 1/4" G-F	36,5
S4 D 38 - T	504103692	3 x 400 V ~	4	5,5	10	1 1/4" G-F	43,6
S4 D 45 - T	504103702	3 x 400 V ~	4	5,5	10	1 1/4" G-F	46
S4 E 6 - T	504103802	3 x 400 V ~	0,75	1	2,4	2" G-F	13,9
S4 E 8 - T	504103812	3 x 400 V ~	1,1	1,5	3,4	2" G-F	15,5
S4 E 12 - T	504103822	3 x 400 V ~	1,5	2	4,4	2" G-F	18,5
S4 E 17 - T	504103832	3 x 400 V ~	2,2	3	5,9	2" G-F	20,9
S4 E 20 - T	504103842	3 x 400 V ~	3	4	8,3	2" G-F	25,2
S4 E 23 - T	504103852	3 x 400 V ~	3	4	8,3	2" G-F	29,5
S4 E 27 - T	504103862	3 x 400 V ~	4	5,5	10	2" G-F	45,8
S4 E 31 - T	504103872	3 x 400 V ~	4	5,5	10	2" G-F	47
S4 E 36 - T	504103882	3 x 400 V ~	5,5	7,5	14	2" G-F	62
S4 E 42 - T	504103892	3 x 400 V ~	5,5	7,5	14	2" G-F	65
S4 F 7 - T	504104002	3 x 400 V ~	2,2	3	5,9	2" G-F	20
S4 F 10 - T	504104012	3 x 400 V ~	3	4	8,3	2" G-F	26
S4 F 13 - T	504104022	3 x 400 V ~	4	5,5	10	2" G-F	34,5
S4 F 18 - T	504104032	3 x 400 V ~	5,5	7,5	14	2" G-F	40

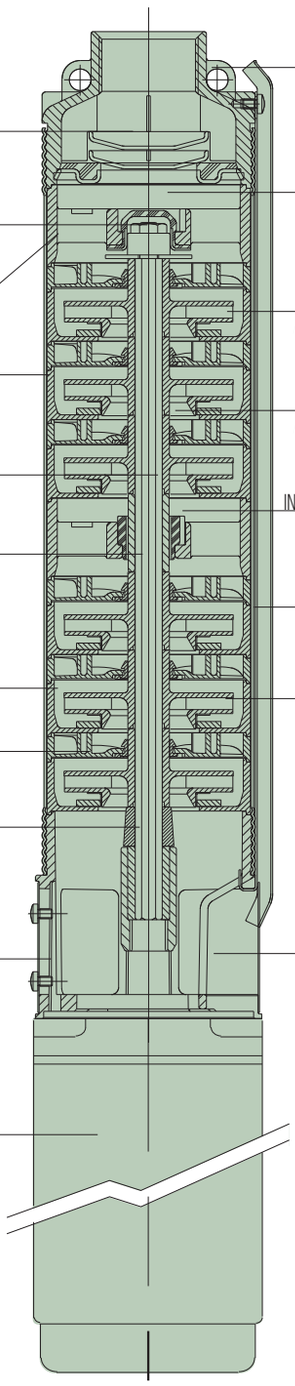
AVAILABLE THREE-PHASE 3 X 230 V VERSION

TECHNICAL DATA - HYDRAULIC PART

MODEL	CODE	ELECTRICAL DATA		DNM	WEIGHT KG
		P2 NOMINAL			
		kW	HP		
S4A 8	504200200	0,25	0,33	1 1/4" G-F	3,6
S4A 12	504200210	0,37	0,5	1 1/4" G-F	4,1
S4A 18	504200220	0,55	0,75	1 1/4" G-F	4,8
S4A 25	504200230	0,75	1	1 1/4" G-F	5,6
S4A 36	504200240	1,1	1,5	1 1/4" G-F	7,3
S4A 50	504200250	1,5	2	1 1/4" G-F	9
S4B 5	504200400	0,25	0,33	1 1/4" G-F	3,2
S4B 8	504200410	0,37	0,5	1 1/4" G-F	3,7
S4B 12	504200420	0,55	0,75	1 1/4" G-F	4,2
S4B 16	504200430	0,75	1	1 1/4" G-F	4,8
S4B 24	504200440	1,1	1,5	1 1/4" G-F	5,8
S4B 32	504200450	1,5	2	1 1/4" G-F	7
S4B 40	504200460	2,2	3	1 1/4" G-F	8,2
S4B 48	504200470	2,2	3	1 1/4" G-F	9,7
S4C 6	504200600	0,37	0,5	1 1/4" G-F	3,7
S4C 9	504200610	0,55	0,75	1 1/4" G-F	4,4
S4C 13	504200620	0,75	1	1 1/4" G-F	5
S4C 19	504200630	1,1	1,5	1 1/4" G-F	6
S4C 25	504200640	1,5	2	1 1/4" G-F	7,2
S4C 32	504200650	2,2	3	1 1/4" G-F	9,2
S4C 39	504200660	2,2	3	1 1/4" G-F	10,4
S4C 45	504200670	3	4	1 1/4" G-F	11,8
S4C 51	504200680	3	4	1 1/4" G-F	15,5
S4D 4	504200800	0,37	0,5	1 1/4" G-F	3,3
S4D 6	504200810	0,55	0,75	1 1/4" G-F	3,7
S4D 8	504200820	0,75	1	1 1/4" G-F	4,5
S4D 13	504200830	1,1	1,5	1 1/4" G-F	5
S4D 17	504200840	1,5	2	1 1/4" G-F	5,7
S4D 21	504200850	2,2	3	1 1/4" G-F	6,6
S4D 25	504200860	2,2	3	1 1/4" G-F	7,5
S4D 29	504200870	3	4	1 1/4" G-F	8,3
S4D 34	504200880	3	4	1 1/4" G-F	7,5
S4D 38	504200890	4	5,5	1 1/4" G-F	10,4
S4D 45	504200900	4	5,5	1 1/4" G-F	12
S4E 6	504201000	0,75	1	2" G-F	4,3
S4E 8	504201010	1,1	1,5	2" G-F	4,8
S4E 12	504201020	1,5	2	2" G-F	6,1
S4E 17	504201030	2,2	3	2" G-F	7,5
S4E 20	504201040	3	4	2" G-F	8,6
S4E 23	504201050	3	4	2" G-F	9,4
S4E 27	504201060	4	5,5	2" G-F	10,8
S4E 31	504201070	4	5,5	2" G-F	21,9
S4E 36	504201080	5,5	7,5	2" G-F	23,5
S4E 42	504201090	5,5	7,5	2" G-F	18,4
S4F 7	504201200	2,2	3	2" G-F	5,3
S4F 10	504201210	3	4	2" G-F	6,6
S4F 13	504201220	4	5,5	2" G-F	8,3
S4F 18	504201230	5,5	7,5	2" G-F	10

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA



VALVE
AISI 304 stainless steel
X5CrNi1810- UNI 6900/71

IMPELLER LOCKING NUT
Stainless steel

SUPPORT
Technopolymer A

PUMP JACKET
AISI 304 stainless steel
X5CrNi1810 - UNI 6900/71

SHAFT WITH COUPLING
AISI 304 stainless steel
X5CrNi1810- UNI 6900/71

INTERMEDIATE BUSH
AISI 304 stainless steel
X5CrNi1810- UNI 6900/71

DIFFUSER BODY
Technopolymer A

DIFFUSER
Technopolymer A

SPACER
AISI 304 stainless steel
X5CrNi1810- UNI 6900/71

FILTER
Stainless steel

MOTOR
AISI 304 stainless steel
X5CrNi1810 - UNI 6900/71

UPPER HEAD
microcast AISI 304
stainless steel

TOP SHAFT BUSH GUIDE
Rubber

FRONT ADJUSTMENT RING
Anti-abrasion, synthetic material

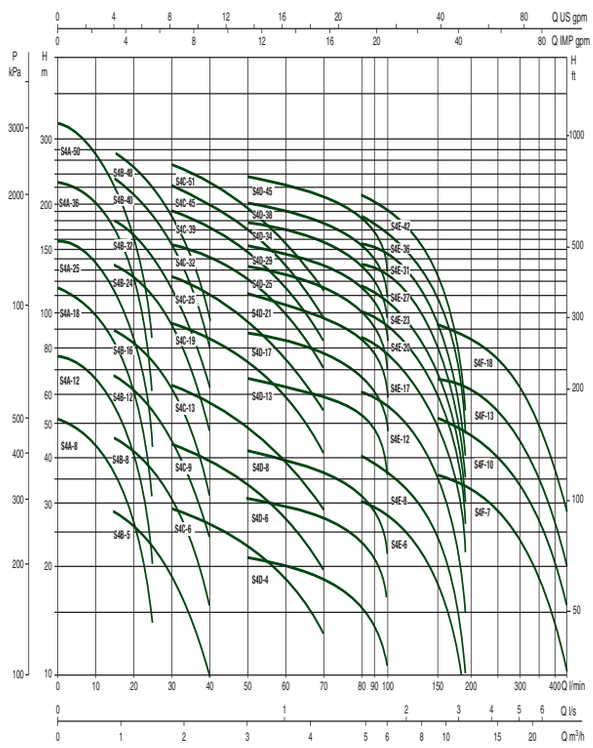
REAR ADJUSTMENT RING
Anti-abrasion, synthetic material

INTERMEDIATE SHAFT GUIDE BUSH
Acetalic resin

CABLE COVER
AISI 304 stainless steel
X5CrNi1 810 - UNI 6900/71

IMPELLER
Technopolymer A
with adjustment ring
in AISI 304 stainless steel
X5CrNi1810- UNI 6900/71

BASE SUPPORT
microcas AISI 304
stainless stee



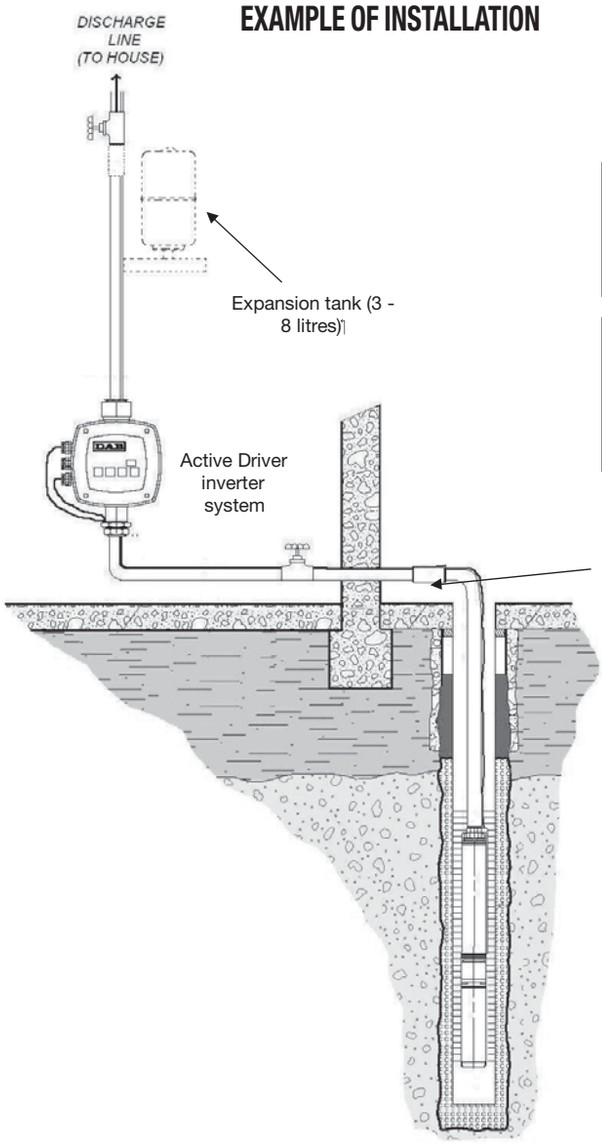
SUBMERSIBLE PUMPS + ACTIVE DRIVER
SELECTION TABLE EXAMPLE



+



EXAMPLE OF INSTALLATION



NECESSARY COMPONENTS FOR SYSTEM INSTALLATION

1. Submerged pump
2. Inverter
3. Non-return valve
4. Expansion tank
5. 1 inverter power cable
6. 1 cable between inverter and pump

Caution:

In the version with single phase/single phase inverter (AD M/M 1,1) it is necessary to install the control box model electric panel, containing the starter condenser.

SUGGESTION:

In some plants, we recommend the installation of a filter upline of the AD so as to prevent damage to the pressure sensor inside the inverter.

PUMPS MODEL	CODE	PUMPS VOLTAGE 50 Hz	ACTIVE DRIVER MODEL	CODE	ACTIVE DRIVER VOLTAGE 50 Hz	MAX. CABLE LENGHT PER SECTION		
						1,5 MM²	2,5 MM²	4 MM²
S4 C 13 - M	504100622	Single phase 1x230 V~	**ACTIVE DRIVER M/M 1.1**	109640610	Singlephase 1x230 V~	60 mt	100 mt	160 mt
S4 C 9 - T	504104412	Three phase 3x230 V~	**ACTIVE DRIVER M/T 2.2**	109640600	Singlephase 1x230 V~	100 mt	170 mt	270 mt
S4 D 13 - T	504103632	Three phase 3x230 V~	**ACTIVE DRIVER M/T 2.2**	109640600	Singlephase 1x230 V~	100 mt	170 mt	270 mt
S4 D 21 - T	504103652	Three phase 3x400 V~	**ACTIVE DRIVER T/T 3.0**	109640620	Threephase 3x400 V~	160 mt	280 mt	-
S4 E 23 - T	504103852	Three phase 3x400 V~	**ACTIVE DRIVER T/T 5.5**	109640630	Threephase 3x400 V~	130 mt	215 mt	350 mt

DAB PUMPS reserves the right to make modifications without notice

4GG
4 " SUBMERSIBLE MOTORS



CE

tesla DWT GROUP

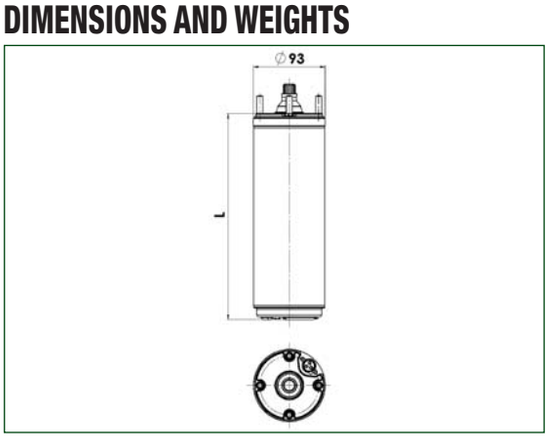
4" Asynchronous two-poles submersible motor, made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type) with both flangs and shell in AISI 304L stainless steel. Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. Overload protection must be provided by user for the three-phase version.

Flanging: NEMA - 4".
Protection level: IP 68.
Insulation class: F.
Voltage:
single-phase 220-230 V / 50 Hz.
Three-phase 400 V / 50 Hz - 230 V / 50 Hz.
Equipped with cable:
1,7 m for motor power up to 2,2 kW.
2,7 m for motor power up to 3 kW.
3,5 m for motor power of 7,5 kW.

TECHNICAL DATA

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (µF)	CABLE Ø mm^2	CABLE LC (m)
4GG - 0,37 KW - 230 V - M	60122739	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	4x1,5	1,7
4GG - 0,55 KW - 230 V - M	60122740	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	4x1,5	1,7
4GG - 0,75 KW - 230 V - M	60122741	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	4x1,5	1,7
4GG - 1,1 KW - 230 V - M	60122742	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,90	62	35	4x1,5	1,7
4GG - 1,5 KW - 230 V - M	60122743	2	1,5	1x230 V ~	11	3,7	0,62	2320	2830	0,91	65	40	4x1,5	1,7
4GG - 2,2 KW - 230 V - M	60122744	3	2,2	1x230 V ~	16	3,1	0,6	3460	2810	0,89	65	60	4x1,5	1,7
4GG - 0,37 KW - 400 V - T	60122746	0,5	0,37	3x400 V ~	1,4	3,8	3	710	2820	0,66	53	-	4x1,5	1,7
4GG - 0,37 KW - 230 V - T	60122745			3x230 V ~	2,7	3,7	3	710	2820	0,66	53	-	4x1,5	1,7
4GG - 0,55 KW - 400 V - T	60122748	0,75	0,55	3x400 V ~	1,9	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GG - 0,55 KW - 230 V - T	60122747			3x230 V ~	3,3	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GG - 0,75 KW - 400 V - T	60122750	1	0,75	3x400 V ~	2,4	5,0	3,2	1190	2830	0,73	63	-	4x1,5	1,7
4GG - 0,75 KW - 230 V - T	60122749			3x230 V ~	4,1	5,1	3,2	1190	2830	0,72	63	-	4x1,5	1,7
4GG - 1,1 KW - 400 V - T	60122752	1,5	1,1	3x400 V ~	3,4	4,1	3,3	1720	2830	0,76	64	-	4x1,5	1,7
4GG - 1,1 KW - 230 V - T	60122751			3x230 V ~	5,7	4,2	3,3	1720	2830	0,72	64	-	4x1,5	1,7
4GG - 1,5 KW - 400 V - T	60122754	2	1,5	3x400 V ~	4,4	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GG - 1,5 KW - 230 V - T	60122753			3x230 V ~	7,6	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GG - 2,2 KW - 400 V - T	60122756	3	2,2	3x400 V ~	5,9	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GG - 2,2 KW - 230 V - T	60122755			3x230 V ~	10,2	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GG - 3,0 KW - 400 V - T	60122758	4	3	3x400 V ~	8,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GG - 3,0 KW - 230 V - T	60122757			3x230 V ~	14,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GG - 4,0 KW - 400 V - T	60122760	5,5	4	3x400 V ~	10	5,6	3,4	5340	2850	0,79	75	-	4x1,5	2,7
4GG - 4,0 KW - 230 V - T	60122759			3x230 V ~	17,3	5,6	3,4	5340	2850	0,79	75	-	4x2	2,7
4GG - 5,5 KW - 400 V - T	60122762	7,5	5,5	3x400 V ~	14	5,5	3,4	7110	2850	0,74	77	-	4x1,5	2,7
4GG - 5,5 KW - 230 V - T	60122761			3x230 V ~	24,2	5,5	3,4	7110	2850	0,74	77	-	4x2	2,7
4GG - 7,5 KW - 400 V - T	60122763	10	7,5	3x400 V ~	17,4	4,8	2,9	9520	2850	0,080	79	-	4x2	3,5

DIMENSIONS AND WEIGHTS



FASE	L (mm)	WEIGHT Kg	AXIAL THRUST (N)
1	236	6,7	2000
1	266	8	2000
1	286	9	2000
1	331	11	2000
1	393	13	3000
1	413	13,8	3000
1	684	23	6000
3	216	6	2000
3	236	6,7	2000
3	266	8	2000
3	286	9	2000
3	348	11	3000
3	393	13	3000
3	544	19,7	6000
3	614	23	6000
3	684	26,6	6000
3	764	30,6	6000

Electric control panel for single phase bore-hole pumps featuring manually resettable overload cut-out, capacitor and terminal board for the electrical connections and posisble connection of pressure switch/float. Complete with 1.5 metres of power cable with SCHUKO EEC 7 – VII – UNEL 47166-168 electric plug. Cabinet for wall mounting in a flame-proof, thermoplastic material.

4GX
4 “ SUBMERSIBLE MOTORS



AISI 316

CE

Tesla DWT GROUP

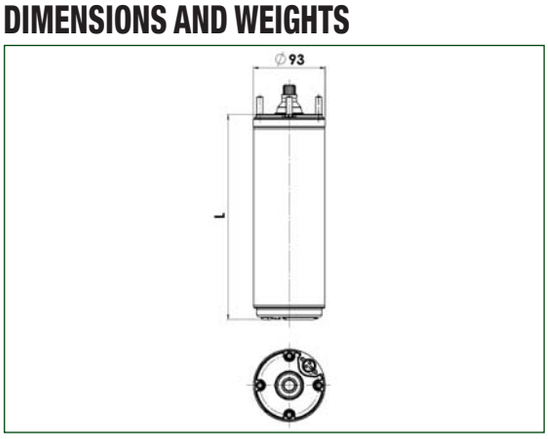
4” Asynchronous two-poles submersible motor, made in full AISI 316 stainless steel. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type) with both flangs and shell in AISI 316L stainless steel. Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Mechanical seal in silicon/carbide. Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. Overload protection must be provided by user for the three-phase version.

Flanging: NEMA - 4”.
Protection level: IP 68.
Insulation class: F.
Voltage:
single-phase 220-230 V / 50 Hz.
Three-phase 400 V / 50 Hz - 230 V / 50 Hz.
Equipped with cable:
1,7 m for motor power up to 2,2 kW.
2,7 m for motor power up to 3 kW.
3,5 m for motor power of 7,5 kW.

TECHNICAL DATA

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (µF)	CABLE	
													Ø mm^2	LC (m)
4GX - 0,37 KW - 230 V - M	60141577	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	4x1,5	1,7
4GX - 0,55 KW - 230 V - M	60141580	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	4x1,5	1,7
4GX - 0,75 KW - 230 V - M	60141584	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	4x1,5	1,7
4GX - 1,1 KW - 230 V - M	60141590	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,90	62	35	4x1,5	1,7
4GX - 1,5 KW - 230 V - M	60141593	2	1,5	1x230 V ~	11	3,7	0,62	2320	2830	0,91	65	40	4x1,5	1,7
4GX - 2,2 KW - 230 V - M	60141596	3	2,2	1x230 V ~	16	3,1	0,6	3460	2810	0,89	65	60	4x1,5	1,7
4GX - 0,37 KW - 400 V - T	60141578	0,5	0,37	3x400 V ~	1,4	3,8	3	710	2820	0,66	53	-	4x1,5	1,7
4GX - 0,37 KW - 230 V - T	60141579			3x230 V ~	2,7	3,7	3	710	2820	0,66	53	-	4x1,5	1,7
4GX - 0,55 KW - 400 V - T	60141581	0,75	0,55	3x400 V ~	1,9	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GX - 0,55 KW - 230 V - T	60141582			3x230 V ~	3,3	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GX - 0,75 KW - 400 V - T	60141586	1	0,75	3x400 V ~	2,4	5,0	3,2	1190	2830	0,73	63	-	4x1,5	1,7
4GX - 0,75 KW - 230 V - T	60141589			3x230 V ~	4,1	5,1	3,2	1190	2830	0,72	63	-	4x1,5	1,7
4GX - 1,1 KW - 400 V - T	60141591	1,5	1,1	3x400 V ~	3,4	4,1	3,3	1720	2830	0,76	64	-	4x1,5	1,7
4GX - 1,1 KW - 230 V - T	60141592			3x230 V ~	5,7	4,2	3,3	1720	2830	0,72	64	-	4x1,5	1,7
4GX - 1,5 KW - 400 V - T	60141594	2	1,5	3x400 V ~	4,4	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GX - 1,5 KW - 230 V - T	60141595			3x230 V ~	7,6	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GX - 2,2 KW - 400 V - T	60141597	3	2,2	3x400 V ~	5,9	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GX - 2,2 KW - 230 V - T	60141598			3x230 V ~	10,2	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GX - 3,0 KW - 400 V - T	60141607	4	3	3x400 V ~	8,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GX - 3,0 KW - 230 V - T	60141608			3x230 V ~	14,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GX - 4,0 KW - 400 V - T	60141612	5,5	4	3x400 V ~	10	5,6	3,4	5340	2850	0,79	75	-	4x1,5	2,7
4GX - 4,0 KW - 230 V - T	60141613			3x230 V ~	17,3	5,6	3,4	5340	2850	0,79	75	-	4x2	2,7
4GX - 5,5 KW - 400 V - T	60141614	7,5	5,5	3x400 V ~	14	5,5	3,4	7110	2850	0,74	77	-	4x1,5	2,7
4GX - 5,5 KW - 230 V - T	60141615			3x230 V ~	24,2	5,5	3,4	7110	2850	0,74	77	-	4x2	2,7
4GG - 7,5 KW - 400 V - T	60141616	10	7,5	3x400 V ~	17,4	4,8	2,9	9520	2850	0,080	79	-	4x2	3,5

DIMENSIONS AND WEIGHTS



FASE	L (mm)	WEIGHT Kg	AXIAL THRUST (N)
1	236	236	2000
1	266	266	2000
1	286	286	2000
1	331	331	2000
1	393	393	3000
1	413	413	3000
1	684	684	6000
1	216	216	2000
3	236	236	2000
3	266	266	2000
3	286	286	2000
3	348	348	3000
3	393	393	3000
3	544	544	6000
3	614	614	6000
3	684	684	6000
3	764	764	6000

Electric control panel for single phase bore-hole pumps featuring manually resettable overload cut-out, capacitor and terminal board for the electrical connections and posisble connection of pressure switch/float. Complete with 1.5 metres of power cable with SCHUKO EEC 7 – VII – UNEL 47166-168 electric plug. Cabinet for wall mounting in a flame-proof, thermoplastic material.

DAB PUMPS reserves the right to make modifications without notice

4TW
4 " SUBMERSIBLE MOTORS

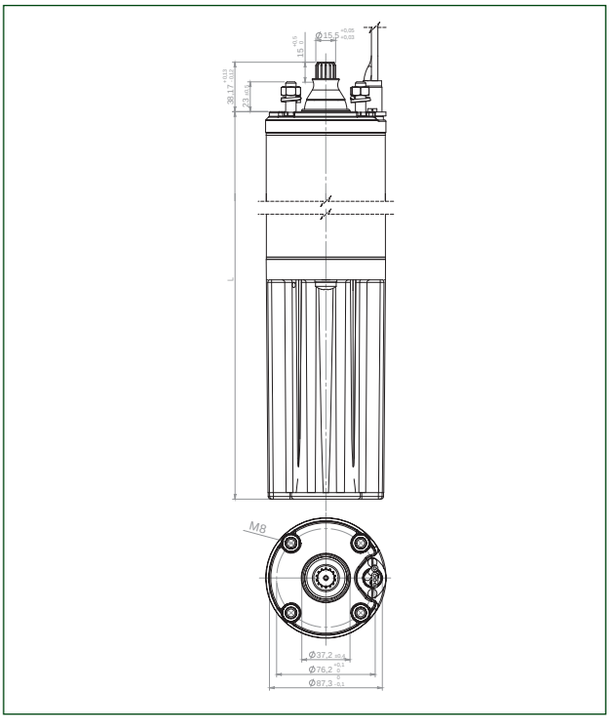


Submerged asynchronous two-pole motor made of AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and the bushings are provided by a mixture of water and glycol. Rotor mounted on Kingsbury self-centring thrust block to withstand significant axial loads. Stator in an airtight casing with flanges, and internal and outer jacket in AISI 304L stainless steel. The cable connector can be removed to guarantee rapid and easy maintenance operations. ACS, WRAS and KTW certified cable. Motor suitable for use with variable frequency drive (30Hz-50Hz). The capacitor is included in the Noryl cartridge mounted under the motor, so the motor does not require the use of a control box. Thermal protection included in 0.5 to 1.5 HP motors in the 50 HZ version.

TECHNICAL DATA

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (µF)	CABLE	
													Ø mm^2	LC (m)
4TW - 0,37 KW - M	**60141225**	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	3x1,5	1,7
4TW - 0,55 KW - M	**60141227**	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	3x1,5	1,7
4TW - 0,75 KW - M	**60141229**	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	3x1,5	1,7
4TW - 1,1 KW - M	**60141231**	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,92	62	35	3x1,5	1,7

DIMENSIONS AND WEIGHTS



FASE	L (mm)	WEIGHT Kg	AXIAL THRUST (N)
1	405	7,3	2000
1	435	8,5	2000
1	455	9,3	2000
1	500	11,3	2000

40L
4 " SUBMERSIBLE MOTORS

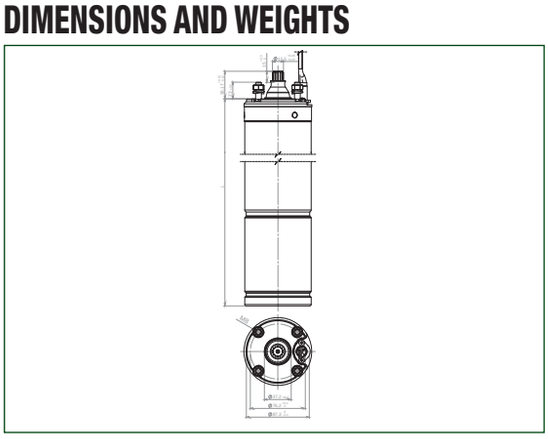


4" Asynchronous two-poles submersible motor, rewindable-type, made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the ball bearings is provided by a special FDA-approved liquid. Stator housed in an external shell in AISI 304L (rewindable-type) connected with stainless steel pins to the upper support of the motor. Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Mechanical seal in ceramic-carbon. Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase version. Overload protection must be provided by user for the three-phase version. The motor can be equipped with a PT100 temperature sensor.

TECHNICAL DATA

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz (V)	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (µF)	CABLE	
													Ø mm²	LC (m)
40L - 0,37 kW - M	**60122764**	0,5	0,37	1x230 V ~	3,5	2,6	0,64	725	2800	0,9	51	16	4x1,5	1,7
40L - 0,55 kW - M	**60122765**	0,75	0,55	1x230 V ~	4,5	2,7	0,60	950	2800	0,92	58	20	4x1,5	1,7
40L - 0,75 kW - M	**60122766**	1	0,75	1x230 V ~	6,3	3,2	0,64	1275	2820	0,88	59	25	4x1,5	1,7
40L - 1,1 kW - M	**60122767**	1,5	1,1	1x230 V ~	8,5	2,9	0,54	1780	2800	0,91	62	35	4x1,5	1,7
40L - 1,5 kW - M	**60122768**	2	1,5	1x230 V ~	10,8	3,2	0,43	2160	2800	0,87	69	40	4x1,5	1,7
40L - 2,2 kW - M	**00484000**	3	2,2	1x230 V ~	14	3,2	0,57	3060	2800	0,87	78	60	4x1,5	1,7
40L - 0,37 kW - T	**60122770**	0,5	0,37	3x400 V ~	1,6	3,3	3,5	700	2820	0,63	53	-	4x1,5	1,7
40L - 0,37 kW - T	**60122769**			3x230 V ~	2,8	3,2	3,5	700	2820	0,63	53	-	4x1,5	1,7
40L - 0,55 kW - T	**60122772**	0,75	0,55	3x400 V ~	2,2	3,4	3,9	980	2820	0,64	56	-	4x1,5	1,7
40L - 0,55 kW - T	**60122771**			3x230 V ~	3,8	3,4	3,9	980	2820	0,64	56	-	4x1,5	1,7
40L - 0,75 kW - T	**60122774**	1	0,75	3x400 V ~	2,6	3,8	3,7	1200	2820	0,68	62	-	4x1,5	1,7
40L - 0,75 kW - T	**60122773**			3x230 V ~	4,5	3,8	3,7	1200	2820	0,68	62	-	4x1,5	1,7
40L - 1,1 kW - T	**60122776**	1,5	1,1	3x400 V ~	3,6	4,4	4,3	1700	2830	0,68	65	-	4x1,5	1,7
40L - 1,1 kW - T	**60122775**			3x230 V ~	6,2	4,5	4,3	1700	2830	0,68	65	-	4x1,5	1,7
40L - 1,5 kW - T	**60122778**	2	1,5	3x400 V ~	4,6	4,3	4,4	2160	2810	0,68	69	-	4x1,5	1,7
40L - 1,5 kW - T	**60122777**			3x230 V ~	7,9	4,4	4,4	2160	2810	0,68	69	-	4x1,5	1,7
40L - 2,2 kW - T	**00484500**	3	2,2	3x400 V ~	6	5,2	3,3	3050	2810	0,7	72	-	4x1,5	1,7
40L - 2,2 kW - T	**00484450**			3x230 V ~	10,4	5,2	3,3	3050	2810	0,7	72	-	4x1,5	1,7
40L - 3 kW - T	**00485000**	4	3	3x400 V ~	7,9	5,7	3,3	4000	2840	0,73	75	-	4x1,5	2,7
40L - 3 kW - T	**00484900**			3x230 V ~	13,6	5,7	3,3	4000	2840	0,73	75	-	4x1,5	2,7
40L - 4 kW - T	**00486000**	5,5	4	3x400 V ~	10,2	5,4	3,4	5260	2850	0,74	76	-	4x1,5	2,7
40L - 4 kW - T	**00485900**			3x230 V ~	17,6	5,4	3,4	5260	2850	0,74	76	-	4x2	2,7
40L - 5,5 kW - T	**00487500**	7,5	5,5	3x400 V ~	13,1	5,3	3,4	6900	2850	0,76	80	-	4x1,5	2,7
40L - 5,5 kW - T	**00487410**			3x230 V ~	22,6	5,4	3,4	6900	2850	0,76	80	-	4x2	2,7
40L - 7,5 kW - T	**00488100**	10	7,5	3x400 V ~	16,9	5,0	3	9030	2840	0,77	81	-	4x2	3,5

DIMENSIONS AND WEIGHTS



L (mm)	WEIGHT Kg	AXIAL THRUST (N)
325	6,6	2000
345	7,6	2000
375	8,9	2000
395	9,8	2000
440	11,8	2000
518	14,6	3000/4000
325	6,6	2000
325	6,6	2000
345	7,6	2000
375	8,9	2000
395	9,7	2000
498	13,8	3000/4000
558	17,5	4000
628	20,8	4000
698	23,9	5000
778	24,1	5000

Electric control panel for single phase bore-hole pumps featuring manually resettable overload cut-out, capacitor and terminal board for the electrical connections and possible connection of pressure switch/float. Complete with 1.5 metres of power cable with SCHUKO EEC 7 – VII – UNEL 47166-168 electric plug. Cabinet for wall mounting in a flame-proof, thermoplastic material.

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4” FRANKLIN

4 “ SUBMERSIBLE MOTORS



wo-pole, asynchronous submersible electric motor, built in AISI 304 stainless steel. Rotor mounted on self-centring thrust block bearing suitable for receiving axial loads. The bearing and the bushings are water-cooled so as to prevent dangers of pollution. Stator encapsulated in synthetic resin with high quality dielectrics and fitted inside a hermetic stainless steel casing. In the single-phase version the capacitor and the manually resettable amperometric protection are fitted on the electrical panel, supplied separately.
Protection for the three-phase version to be provided by the user.

Flanging NEMA – 4 “.
Protection level: IP 58.
Insulation class: B.
Supply voltage: single-phase 220-230 V / 50 Hz.
three-phase 400 V / 50 Hz.

TECHNICAL DATA

MODEL	CODE
0,25 kW - 220/230 V - M	002725012
0,37 kW - 220/230 V - M	002725013
0,37 kW - 380/415 V - T	002725123
0,37 kW - 220/230 V - T	002725113
0,55 kW - 220/230 V - M	002725014
0,55 kW - 380/415 V - T	002725124
0,55 kW - 220/230 V - T	002725114
0,75 kW - 220/230 V - M	002725015
0,75 kW - 380/415 V - T	002725125
0,75 kW - 220/230 V - T	002725115
1,1 kW - 220/230 V - M	002725016
1,1 kW - 380/415 V - T	002725126
1,1 kW - 220/230 V - T	002725116
1,5 kW - 220/230 V - M	002725017
1,5 kW - 380/415 V - T	002725127
1,5 kW - 220/230 V - T	002725117
2,2 kW - 220/230 V - M	002725019
2,2 kW - 380/415 V - T	002725129
2,2 kW - 220/230 V - T	002725118
3,0 kW - 380/415 V - T	002725130
3,0 kW - 220/230 V - T	002725119
4,0 kW - 380/415 V - T	002725131
4,0 kW - 220/230 V - T	002725120
5,5 kW - 380/415 V - T	002725133
5,5 kW - 220/230 V - T	002725121
7,5 kW - 380/415 V - T	002725142

VOLTAGE 50 Hz	P1 MAX W	P2 HP	In A	n r.p.m.	cosφ	EFF	BLOCKED ROTOR A	CAPACITOR µF	AXIAL THRUST
1x230 V ~	476-518	0,33	2,3-2,5	2860-2870	94-90	54-50	7,0-8,4	12,5	1500 N
1x230 V ~	683-727	0,50	3,2-3,4	2840-2850	97-93	56-53	10,7-11,2	16	1500 N
3x400 V ~	533	0,50	1,1	2865	70	66	4,7	–	1500 N
3x230 V ~	560	0,50	1,9	2865	74	66	8,2	–	1500 N
1x230 V ~	896-930	0,75	4,2-4,3	2840-2855	97-94	64-63	15,4-16,1	20	1500 N
3x400 V ~	831	0,75	1,6	2855	75	67	6,4	–	1500 N
3x230 V ~	848	0,75	2,8	2855	76	67	11,1	–	1500 N
1x230 V ~	1263-1285	1,0	5,8-5,7	2840-2855	99-98	61-60	20,2-21,1	30	1500 N
3x400 V ~	1091	1,0	2,1	2870	75	69	9,3	–	1500 N
3x230 V ~	1105	1,0	3,7	2870	75	69	16,2	–	1500 N
1x230 V ~	1793-1859	1,5	8,4-8,6	2840-2855	97-94	64-62	30,1-31,5	40	3000 N
3x400 V ~	1580	1,5	3,0	2840	76	73	14,5	–	1500 N
3x230 V ~	1574	1,5	5,2	2840	76	73	25,2	–	1500 N
1x230 V ~	2285-2316	2,0	10,6-10,6	2805-2825	98-95	67-66	33,9-35,4	50	3000 N
3x400 V ~	2106	2,0	4,0	2855	76	73	19,2	–	3000 N
3x230 V ~	2089	2,0	6,9	2855	76	73	33,0	–	3000 N
1x230 V ~	3485-3458	3,0	16-15,5	2810-2840	99-97	65-66	54,2-56,7	70	4000 N
3x400 V ~	3066	3,0	5,9	2840	75	75	28,9	–	4000 N
3x230 V ~	3048	3,0	10,2	2840	75	75	50,3	–	4000 N
3x400 V ~	4053	4,0	7,8	2850	75	76	41,6	–	6500 N
3x230 V ~	4034	4,0	13,5	2850	75	76	69,4	–	6500 N
3x400 V ~	5404	5,5	10,0	2855	78	78	58	–	6500 N
3x230 V ~	5376	5,5	17,3	2855	78	78	99	–	6500 N
3x400 V ~	7498	7,5	13,7	2850	79	76	76	–	6500 N
3x230 V ~	7459	7,5	23,7	2850	79	76	129	–	6500 N
3x400 V ~	8924	10	18,4	2820	70	74	102	–	6500 N

S6

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	2,4	4,8	6	7,8	8,4	10,8	12	15	18	24	36	48	54	66
	kW	HP		0	40	80	100	130	140	180	200	250	300	400	600	800	900	1100
S6B-9	4	5,5		147			125	120	114	96	85	46						
S6B-12	5,5	7,5		196			172	160	152	128	113	64						
S6B-15	7,5	10		224			216	198	190	160	141	80						
S6B-18	9,2	12,5		293			250	238	228	193	169	96						
S6B-21	9,2	12,5		342			291	278	266	225	197	112						
S6B-24	11	15		391			340	315	304	257	226	128						
S6B-28	13	17,5		446			400	370	354	300	263	149						
S6D-6	3,7	5		94					87	80	76	63	44					
S6D-7	5,5	7,5		109					101	93	89	74	51					
S6D-8	5,5	7,5		125					115	106	102	84	58					
S6D-9	5,5	7,5		140					130	120	114	95	66					
S6D-12	7,5	10		187					173	160	153	127	88					
S6D-15	9,2	12,5		234					216	201	191	158	110					
S6D-18	11	15		281					260	241	229	190	132					
S6D-21	13	17,5		328					304	281	267	222	154					
S6D-24	15	20		374					347	321	305	254	176					
S6D-30	18,5	25		468					464	401	381	317	220					
S6F-4	4	5		61							53	51	48	40	15			
S6F-6	5,5	4,5		91							80	76	71	59	22			
S6F-8	7,5	10		122							106	101	95	79	30			
S6F-10	9,2	12,5		152							133	126	119	99	37			
S6F-12	11	15		182							159	154	143	119	47			
S6F-14	13	17,5		213							186	178	167	139	56			
S6F-16	15	20	H (mt)	243							212	204	190	158	64			
S6F-20	18,5	25		304							265	255	238	198	80			
S6F-24	22	30		365							318	305	286	238	96			
S6H-3	4	5,5		48									42	39	30	12		
S6H-4	5,5	7,5		63									57	53	40	16		
S6H-5	7,5	10		78									71	66	50	20		
S6H-6	9,2	12,5		94									85	80	60	23		
S6H-8	11	15		126									114	106	80	31		
S6H-9	13	17,5		141									128	120	90	35		
S6H-10	15	20		157									142	133	100	39		
S6H-12	18,5	25		188									170	160	1200	47		
S6H-15	22	30		235									213	199	150	59		
S6H-18	26	35		283									256	239	180	71		
S6H-20	30	40		314									284	266	200	78		
S6L-3	5,5	7,5		40											28	22	18	7
S6L-4	7,5	10		52											38	29	23	9
S6L-5	9,2	12,5		65											48	36	29	11
S6L-6	11	15		78											57	44	36	13
S6L-8	13	17,5		104											77	58	47	18
S6L-9	15	20		118											86	66	53	20
S6L-10	18,5	25		131											96	73	59	23
S6L-12	22	30		158											114	88	71	27
S6L-15	26	35		197											144	110	89	34
S6L-18	30	40		236											173	130	106	41

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SM6E

MODEL	P2 NOMINAL		Q (m³/h)	0	20	25	30	35	40	45	50	55
	kW	HP	(l/min)	0	333	417	500	583	667	750	883	917
SM6E2	3,7	5		29	24	23	21	19	17	14	10	6
SM6E3	5,5	7,5		44	37	35	32	29	26	21	16	9
SM6E4	5,5	7,5		60	49	47	44	39	34	28	22	12
SM6E5	7,5	10		75	62	59	55	50	44	36	27	15
SM6E6	9,2	12,5		91	76	72	67	60	53	44	33	18
SM6E7	11	15		106	88	84	78	70	62	51	39	21
SM6E8	11	15		122	101	96	89	80	70	58	44	24
SM6E9	13	17,5		137	113	108	100	90	79	65	50	27
SM6E10	15	20		152	126	120	111	100	88	73	55	30
SM6E11	15	20		167	139	132	122	110	97	80	61	33
SM6E12	18,5	25		182	151	144	133	120	106	87	66	36
SM6E13	18,5	25		198	164	156	144	130	114	94	72	39
SM6E14	22	30	H (mt)	213	176	168	155	140	123	102	77	42
SM6E15	22	30		228	189	180	167	150	132	109	83	51
SM6E16	22	30		243	202	192	178	160	141	116	88	45
SM6E17	26	35		258	214	204	189	170	150	123	94	51
SM6E18	26	35		274	227	216	200	180	158	131	99	54
SM6E19	26	35		289	239	228	211	190	167	138	105	57
SM6E20	30	40		304	252	240	222	200	176	145	110	60
SM6E21	30	40		319	265	252	233	210	185	152	116	63
SM6E22	30	40		334	277	264	244	220	194	160	121	66
SM6E23	37	50		350	290	276	255	230	202	167	127	69
SM6E24	37	50		365	302	288	266	240	211	174	132	72
SM6E25	37	50		380	315	300	278	250	220	181	138	75
SM6E26	37	50		395	328	312	289	260	229	189	143	78
NPSH			mt		1	1	1	1	1	1	1	1

SM6G

MODEL	P2 NOMINAL		Q (m³/h)	0	30	35	40	45	50	55	60	65	70
	kW	HP	(l/min)	0	500	583	667	750	833	917	1000	1083	1167
SM6G2	5,5	7,5		32	24	22	21	19	18	16	13	10	6
SM6G3	7,5	10,0		49	36	34	32	30	27	24	19	15	10
SM6G4	9,2	12,5		66	49	46	43	40	36	32	26	20	13
SM6G5	11,0	15,0		83	62	58	54	51	46	41	33	25	17
SM6G6	13,0	17,5		101	75	70	66	61	56	49	40	31	20
SM6G7	15,0	20,0		118	88	82	77	71	65	57	47	36	24
SM6G8	15,0	20,0		134	100	94	88	82	74	66	54	41	27
SM6G9	18,5	25,0		151	113	105	99	92	84	74	60	46	31
SM6G10	18,5	25,0		168	125	117	110	102	93	82	67	51	34
SM6G11	22,0	30,0		185	138	129	121	112	102	90	74	56	37
SM6G12	22,0	30,0		202	150	140	132	123	111	98	80	61	41
SM6G13	26,0	35,0	H (mt)	218	163	152	143	133	121	107	87	66	44
SM6G14	26,0	35,0		235	175	164	154	143	130	115	94	71	48
SM6G15	26,0	35,0		252	188	176	165	153	139	123	101	77	51
SM6G16	30,0	40,0		269	200	187	176	163	148	131	107	82	54
SM6G17	30,0	40,0		286	213	199	187	174	158	139	114	87	58
SM6G18	30,0	40,0		302	225	211	198	184	167	148	121	92	61
SM6G19	37,0	50,0		319	238	222	209	194	176	156	127	97	65
SM6G20	37,0	50,0		336	250	234	220	204	186	164	134	102	68
SM6G21	37,0	50,0		353	263	246	231	214	195	172	141	107	71
SM6G22	45,0	60,0		370	275	257	242	225	204	180	147	112	75
SM6G23	45,0	60,0		386	288	269	253	235	213	189	154	117	78
NPSH			mt		1	1	1	1	1	1	1	1	1

SM6H

MODEL	P2 NOMINAL		Q (m³/h)	0	35	40	45	50	55	60	65	70	75
	kW	HP	(l/min)	0	583	667	750	833	917	1000	1083	1167	1250
SM6H2	5,5	7,5		30	24	23	22	20	19	17	15	13	10
SM6H3	7,5	10,0		47	37	36	33	31	29	26	23	19	15
SM6H4	9,2	12,5		63	50	48	45	42	38	35	31	26	21
SM6H5	11,0	15,0		79	63	60	57	53	49	44	39	33	26
SM6H6	13,0	17,5		96	76	73	69	64	59	53	47	40	32
SM6H7	15,0	20,0		112	89	85	81	75	69	62	55	46	37
SM6H8	18,5	25,0		128	102	98	92	86	78	71	62	53	42
SM6H9	18,5	25,0		144	114	110	104	96	88	80	70	59	48
SM6H10	22,0	30,0		160	127	122	115	107	98	89	78	66	53
SM6H11	22,0	30,0		176	140	134	127	118	108	98	86	73	58
SM6H12	26,0	35,0		192	152	146	138	128	118	107	94	79	64
SM6H13	30,0	40,0	H (mt)	208	165	159	150	139	127	116	101	86	69
SM6H14	30,0	40,0		224	178	171	161	150	137	125	109	92	74
SM6H15	37,0	50,0		240	191	183	173	161	147	134	117	99	80
SM6H16	37,0	50,0		256	203	195	184	171	157	142	125	106	85
SM6H17	37,0	50,0		272	216	207	196	182	167	151	133	112	90
SM6H18	45,0	60,0		288	229	220	207	193	176	160	140	119	95
SM6H19	45,0	60,0		304	241	232	219	203	186	169	148	125	101
SM6H20	45,0	60,0		320	254	244	230	214	196	178	156	132	106
SM6H21	55,0	75,0		336	267	256	242	225	206	187	164	139	111
SM6H22	55,0	75,0		352	279	268	253	235	216	196	172	145	117
SM6H23	55,0	75,0		368	292	281	265	246	225	205	179	152	122
SM6H24	55,0	75,0		384	305	293	276	257	235	214	187	158	127
NPSH			mt		1	1	1	1	1	1	1	1	1

SM6L

MODEL	P2 NOMINAL		Q (m³/h)	0	40	50	55	60	65	70	75	80	85
	kW	HP	(l/min)	0	667	833	917	1000	1083	1167	1250	1333	1417
SM6L2	5,5	7,5		31	25	23	22	20	19	17	15	12	10
SM6L3	9,2	12,5		48	38	35	33	31	29	26	23	19	15
SM6L4	11,0	15,0		64	51	47	45	42	39	35	31	26	20
SM6L5	13,0	17,5		81	64	59	56	53	49	44	39	32	25
SM6L6	18,5	25,0		98	78	72	68	64	59	54	47	39	30
SM6L7	18,5	25,0		115	91	84	80	74	69	63	55	46	35
SM6L8	22,0	30,0		131	104	96	91	85	79	72	63	52	40
SM6L9	26,0	35,0		148	117	108	102	96	89	81	71	59	46
SM6L10	26,0	35,0		164	130	120	114	106	99	90	79	66	51
SM6L11	30,0	40,0		180	143	132	125	117	109	99	87	72	56
SM6L12	37,0	50,0		197	156	144	136	128	118	108	94	79	61
SM6L13	37,0	50,0	H (mt)	213	169	156	148	138	128	117	102	85	66
SM6L14	37,0	50,0		230	182	168	159	149	138	126	110	92	71
SM6L15	45,0	60,0		246	195	180	171	159	148	135	118	98	76
SM6L16	45,0	60,0		262	208	192	182	170	158	144	126	105	81
SM6L17	45,0	60,0		279	221	203	193	181	168	152	134	112	86
SM6L18	55,0	75,0		295	234	215	205	191	178	161	142	118	91
SM6L19	55,0	75,0		312	247	227	216	202	188	170	150	125	96
SM6L20	55,0	75,0		328	260	239	227	213	197	179	157	131	101
SM6L21	55,0	75,0		344	273	251	239	223	207	188	165	138	106
SM6L22	63,0	85,0		361	286	263	250	234	217	197	173	144	111
SM6L23	63,0	85,0		377	299	275	262	244	227	206	181	151	116
SM6L24	63,0	85,0		394	312	287	273	255	237	215	189	157	121
NPSH			mt		1	1	1	1	1	1	1	1	1

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S6
6” SUBMERSIBLE PUMPS



Multistage, centrifugal, submersible motor-driven pumps for 6” wells or larger, able to generate a vast range of heads and flow rates.
They can be employed in a wide range of lifting, distributing and pressurising applications in civil and industrial water installations, supplying autoclaves and cisterns, fire fighting and washing systems, irrigation systems.

Constructional characteristics of the pump:
Base support and upper head in stainless steel AISI 304
Bottom support dimensioned to NEMA 6” standard.
Check valve incorporated in the supply support.
Bush bearings: bronze rubber.
Spline shaft (AISI 420) entirely protected.
Consumable rings, spacer tubes for diffuser body, cable protection, suction grille in AISI 304 stainless steel. Noryl impellers and diffusers.

Constructional characteristics of the motor
Asynchronous 2-pole submersible motor totally built from AISI 304 stainless steel.
Squirrel-cage rotor mounted on a self-centring thrust block bearing suitable for withstanding axial loads. Stator inserted in a stainless steel airtight casing. Protection devices must be provided by the user according to EN 60947-4-1 (Cut-in delay <10 sec. a 5 x In).
Protection level: IP 68.
Operating range: up to 66 m^3/h with heads up to 468 m.
Pumped liquid: clean, free from solid or abrasive substances, chemically neutral and close to the characteristics of water.
Max. ambient temperature: 30°C.
Starts/hour: max 20.
Max. quantity of sand: 40g/m^3.
Minimum recommended level on suction: 1 metre.

TECHNICAL DATA - S6 Direct Starting

MODEL	HYDRAULIC PART CODE DIRECT STARTING	MOTOR CODE 3 x 400 V ~ DIRECT STARTING	ELECTRICAL DATA			DNM GAS	WEIGHT KG	H MM
			P2 NOMINAL		In (A)			
			kW	HP				
S6 B9	104068000	0605500	4	5,5	10,6	3”	33	1208
S6 B12	104068010	0607500	5,5	7,5	14	3”	41	1435
S6 B15	104068020	0610000	7,5	10	18	3”	65	1542
S6 B18	104068030	0612500	9,2	12,5	22	3”	72	1686
S6 B21	104068040	0612500	9,2	12,5	22	3”	75	1799
S6 B24	104068050	0615000	11	15	25,5	3”	81	1973
S6 B28	104068060	0620000	13	17,5	34,5	3”	96	2312
S6 D6	104068200	0605500	3,7	5	10,6	3”	30	1056
S6 D7	104068210	0607500	5,5	7,5	14	3”	37	1246
S6 D8	104068220	0607500	5,5	7,5	14	3”	38	1284
S6 D9	104068230	0607500	5,5	7,5	14	3”	39	1322
S6 D12	104068240	0610000	7,5	10	18	3”	64	1428
S6 D15	104068250	0612500	9,2	12,5	22	3”	70	1572
S6 D18	104068260	0615000	11	15	25,5	3”	77	1746
S6 D21	104068270	0620000	13	17,5	33,4	3”	91	1994
S6 D24	104068280	0620000	15	20	33,4	3”	99	2168
S6 D30	104068290	0625000	18,5	25	41	3”	115	2559
S6 F4	104068400	0605500	4	5	10,6	3”	30	1056
S6 F6	104068410	0607500	5,5	7,5	14	3”	33	1322
S6 F8	104068420	0610000	7,5	10	18	3”	63	1428
S6 F10	104068430	0612500	9,2	12,5	22	3”	70	1572
S6 F12	104068440	0615000	11	15	25,5	3”	76	1746
S6 F14	104068450	0620000	13	17,5	33,4	3”	90	1994
S6 F16	104068460	0620000	15	20	33,4	3”	97	2168
S6 F20	104068470	0625000	18,5	25	41	3”	114	2559
S6 F24	104068480	0630000	22	30	47	3”	128	2895
S6 H3	104068600	0605500	4	5,5	10,6	3”	30	1046
S6 H4	104068610	0607500	5,5	7,5	14	3”	36	1219
S6 H5	104068620	0610000	7,5	10	18	3”	60	1272
S6 H6	104068630	0612500	9,2	12,5	22	3”	66	1362
S6 H8	104068640	0615000	11	15	25,5	3”	72	1542
S6 H9	104068650	0620000	13	17,5	33,4	3”	85	1737
S6 H10	104068660	0620000	15	20	33,4	3”	92	1857
S6 H12	104068670	0625000	18,5	25	41	3”	106	2087

MODEL	HYDRAULIC PART CODE DIRECT STARTING	MOTOR CODE 3 x 400 V ~ DIRECT STARTING	ELECTRICAL DATA			DNM GAS	WEIGHT KG	H MM
			P2 NOMINAL		In (A)			
			kW	HP				
S6 H15	104068680	0630000	22	30	47	3"	119	2377
S6 H18	104068690	0640000	26	35	61,5	3"	137	2729
S6 H20	104068700	0640000	30	40	61,5	3"	150	2959
S6 L3	104068800	0607500	5,5	7,5	14	3"	28	1160
S6 L4	104068810	0610000	7,5	10	18	3"	30	1212
S6 L5	104068820	0612500	9,2	12,5	22	3"	59	1302
S6 L6	104068830	0615000	11	15	25,5	3"	65	1422
S6 L8	104068840	0620000	13	17,5	33,4	3"	71	1677
S6 L9	104068850	0620000	15	20	33,4	3"	91	1797
S6 L10	104068860	0625000	18,5	25	41	3"	104	1967
S6 L12	104068870	0630000	22	30	47	3"	116	2197
S6 L15	104068880	0640000	26	35	61,5	3"	134	2497
S6 L18	104068890	0640000	30	40	61,5	3"	147	2839

TECHNICAL DATA - S6 Star / Delta Starting

MODEL	HYDRAULIC PART CODE λ/Δ STARTING	MOTOR CODE 3 x 400 V ~ λ/Δ STARTING	ELECTRICAL DATA			DNM GAS	WEIGHT KG	H MM
			P2 NOMINAL		In (A)			
			kW	HP				
S6 B9	104067000	0605620	4	5,5	10,6	3"	33	1208
S6 B12	104067010	0607510	5,5	7,5	14	3"	41	1435
S6 B15	104067020	0611750	7,5	10	18	3"	65	1542
S6 B18	104067030	0614000	9,2	12,5	22	3"	72	1686
S6 B21	104067040	0614000	9,2	12,5	22	3"	75	1799
S6 B24	104067050	0617500	11	15	25,5	3"	81	1973
S6 B28	104067060	0622500	13	17,5	34,5	3"	96	2312
S6 D6	104067200	0605620	3,7	5	10,6	3"	30	1056
S6 D7	104067210	0607510	5,5	7,5	14	3"	37	1246
S6 D8	104067220	0607510	5,5	7,5	14	3"	38	1284
S6 D9	104067230	0607510	5,5	7,5	14	3"	39	1322
S6 D12	104067240	0611750	7,5	10	18	3"	64	1428
S6 D15	104067250	0614000	9,2	12,5	22	3"	70	1572
S6 D18	104067260	0617500	11	15	25,5	3"	77	1746
S6 D21	104067270	0622500	13	17,5	33,4	3"	91	1994
S6 D24	104067280	0622500	15	20	33,4	3"	99	2168
S6 D30	104067290	0627500	18,5	25	41	3"	115	2559
S6 F4	104067400	0605620	4	5	10,6	3"	30	1056
S6 F6	104067410	0607510	5,5	7,5	14	3"	33	1322
S6 F8	104067420	0611750	7,5	10	18	3"	63	1428
S6 F10	104067430	0614000	9,2	12,5	22	3"	70	1572
S6 F12	104067440	0617500	11	15	25,5	3"	76	1746
S6 F14	104067450	0622500	13	17,5	33,4	3"	90	1994
S6 F16	104067460	0622500	15	20	33,4	3"	97	2168
S6 F20	104067470	0627500	18,5	25	41	3"	114	2559
S6 F24	104067480	0632400	22	30	47	3"	128	2895
S6 H3	104067600	0605620	4	5,5	10,6	3"	30	1046
S6 H4	104067610	0607510	5,5	7,5	14	3"	36	1219
S6 H5	104067620	0611750	7,5	10	18	3"	60	1272
S6 H6	104067630	0614000	9,2	12,5	22	3"	66	1362
S6 H8	104067640	0617500	11	15	25,5	3"	72	1542
S6 H9	104067650	0622500	13	17,5	33,4	3"	85	1737
S6 H10	104067660	0622500	15	20	33,4	3"	92	1857
S6 H12	104067670	0627500	18,5	25	41	3"	106	2087

DAB PUMPS reserves the right to make modifications without notice

MODEL	HYDRAULIC PART CODE λ/Δ STARTING	MOTOR CODE 3 x 400 V ~ λ/Δ STARTING	ELECTRICAL DATA P2 NOMINAL kW	ELECTRICAL DATA P2 NOMINAL HP	ELECTRICAL DATA In (A)	DNM GAS	WEIGHT KG	H MM
S6 H15	104067680	0632400	22	30	47	3"	119	2377
S6 H18	104067690	0642500	26	35	61,5	3"	137	2729
S6 H20	104067700	0642500	30	40	61,5	3"	150	2959
S6 L3	104067800	0607510	5,5	7,5	14	3"	28	1160
S6 L4	104067810	0611750	7,5	10	18	3"	30	1212
S6 L5	104067820	0614000	9,2	12,5	22	3"	59	1302
S6 L6	104067830	0617500	11	15	25,5	3"	65	1422
S6 L8	104067840	0622500	13	17,5	33,4	3"	71	1677
S6 L9	104067850	0622500	15	20	33,4	3"	91	1797
S6 L10	104067860	0627500	18,5	25	41	3"	104	1967
S6 L12	104067870	0632400	22	30	47	3"	116	2197
S6 L15	104067880	0642500	26	35	61,5	3"	134	2497
S6 L18	104067890	0642500	30	40	61,5	3"	147	2839

TECHNICAL DATA - S6 Hydraulic part

MODEL	HYDRAULIC PART CODE DIRECT STARTING	HYDRAULIC PART CODE λ/Δ STARTING	MOTOR P2 NOMINAL kW	MOTOR P2 NOMINAL HP	DNM GAS
S6 B9	104068000	104067000	4	5,5	3"
S6 B12	104068010	104067010	5,5	7,5	3"
S6 B15	104068020	104067020	7,5	10	3"
S6 B18	104068030	104067030	9,2	12,5	3"
S6 B21	104068040	104067040	9,2	12,5	3"
S6 B24	104068050	104067050	11	15	3"
S6 B28	104068060	104067060	13	17,5	3"
S6 D6	104068200	104067200	3,7	5	3"
S6 D7	104068210	104067210	5,5	7,5	3"
S6 D8	104068220	104067220	5,5	7,5	3"
S6 D9	104068230	104067230	5,5	7,5	3"
S6 D12	104068240	104067240	7,5	10	3"
S6 D15	104068250	104067250	9,2	12,5	3"
S6 D18	104068260	104067260	11	15	3"
S6 D21	104068270	104067270	13	17,5	3"
S6 D24	104068280	104067280	15	20	3"
S6 D30	104068290	104067290	18,5	25	3"
S6 F4	104068400	104067400	4	5	3"
S6 F6	104068410	104067410	5,5	7,5	3"
S6 F8	104068420	104067420	7,5	10	3"
S6 F10	104068430	104067430	9,2	12,5	3"
S6 F12	104068440	104067440	11	15	3"
S6 F14	104068450	104067450	13	17,5	3"
S6 F16	104068460	104067460	15	20	3"
S6 F20	104068470	104067470	18,5	25	3"
S6 F24	104068480	104067480	22	30	3"
S6 H3	104068600	104067600	4	5,5	3"
S6 H4	104068610	104067610	5,5	7,5	3"
S6 H5	104068620	104067620	7,5	10	3"
S6 H6	104068630	104067630	9,2	12,5	3"
S6 H8	104068640	104067640	11	15	3"
S6 H9	104068650	104067650	13	17,5	3"
S6 H10	104068660	104067660	15	20	3"
S6 H12	104068670	104067670	18,5	25	3"
S6 H15	104068680	104067680	22	30	3"
S6 H18	104068690	104067690	26	35	3"
S6 H20	104068700	104067700	30	40	3"
S6 L3	104068800	104067800	5,5	7,5	3"
S6 L4	104068810	104067810	7,5	10	3"
S6 L5	104068820	104067820	9,2	12,5	3"
S6 L6	104068830	104067830	11	15	3"
S6 L8	104068840	104067840	13	17,5	3"
S6 L9	104068850	104067850	15	20	3"
S6 L10	104068860	104067860	18,5	25	3"
S6 L12	104068870	104067870	22	30	3"
S6 L15	104068880	104067880	26	35	3"
S6 L18	104068890	104067890	30	40	3"

SM6
6” SUBMERSIBLE PUMPS



Applications
Multistage mixed-flow bore-hole electric pumps for wells witha diameter of 6” or greater capable of developing a wide range of flows and heads.
These pumps can be used in a wide range of lifting, distributing and pressuring applications in civili and industrial supplies, autoclaves and tanks, fire-fighting and washing installations and irrigation systems.
Pumped liquid: Clean water without solid or abrasive particles.
Max. quantity of sand: 50g/m^3.
Max. ambient temperature: 30°C.
Construction features of pump:
Mixed-flow pumps with external in cast-iron, impellers in cast-iron or bronze.
The impellers are dynamically balanced and splined to the shaft with key drive.
The shaft is driven by coaxial bearing bushes and fully protected by sleeves to ease disassembling.
The pumps are provided with a built-in non returne valve, threaded, and low friction losses.
Delivery outlet flanged and threaded.
Coupling with 6” or 8” motor depending on the power requested by hydraulic part.
6GF: 6” canned submersible motor.
TR8: 8” rewindable submersible motors.
For inverter application refer to the motor specification.
On request:
Pump body: Stainless steel microcasted AISI 316 for aggressive water application.
Impellers: Stainless steel microcasted AISI 316 or bronze.
Version without Non-returne valve for horizontal application.
Non-standard pump/motor coupling.
Extra price for bronze impeller 122€ each.
Extra price for AISI 316 stainless steel impeller 106€ each.

TECHNICAL DATA - SM6E

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m^3/h)	0	20	25	30	35	40	45	50	55	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP	(l/min)	0	333	417	500	583	667	750	883	917			
SM6E2 + 6GF 4 KW	60149041	0605500	4	5,5		29	24	23	21	19	17	14	10	6	10,6	●	●
SM6E3 + 6GF 5,5 KW	60149042	0607500	5,5	7,5		44	37	35	32	29	26	21	16	9	14	●	●
SM6E4 + 6GF 5,5 KW	60149043	0607500	5,5	7,5		60	49	47	44	39	34	28	22	12	14	●	●
SM6E5 + 6GF 7,5 KW	60149044	0610000	7,5	10		75	62	59	55	50	44	36	27	15	18	●	●
SM6E6 + 6GF 9,2 KW	60149045	0612500	9,2	12,5		91	76	72	67	60	53	44	33	18	22	●	●
SM6E7 + 6GF 11 KW	60149046	0615000	11	15		106	88	84	78	70	62	51	39	21	25,5	●	●
SM6E8 + 6GF 11 KW	60149047	0615000	11	15		122	101	96	89	80	70	58	44	24	25,5	●	●
SM6E9 + 6GF 15 KW	60149048	0620000	15	20		137	113	108	100	90	79	65	50	27	33,4	●	●
SM6E10 + 6GF 15 KW	60149049	0620000	15	20		152	126	120	111	100	88	73	55	30	33,4	●	●
SM6E11 + 6GF 15 KW	60149050	0620000	15	20		167	139	132	122	110	97	80	61	33	33,4	●	●
SM6E12 + 6GF 18,5 KW	60149051	0625000	18,5	25		182	151	144	133	120	106	87	66	36	41	●	●
SM6E13 + 6GF 18,5 KW	60149052	0625000	18,5	25		198	164	156	144	130	114	94	72	39	41	●	●
SM6E14 + 6GF 22 KW	60149053	0630000	22	30	H (mt)	213	176	168	155	140	123	102	77	42	47	●	●
SM6E15 + 6GF 22 KW	60149054	0630000	22	30		228	189	180	167	150	132	109	83	51	47	●	●
SM6E16 + 6GF 22 KW	60149055	0630000	22	30		243	202	192	178	160	141	116	88	45	47	●	●
SM6E17 + 6GF 30 KW	60149056	0640000	30	40		258	214	204	189	170	150	123	94	51	61,5	●	●
SM6E18 + 6GF 30 KW	60149057	0640000	30	40		274	227	216	200	180	158	131	99	54	61,5	●	●
SM6E19 + 6GF 30 KW	60149058	0640000	30	40		289	239	228	211	190	167	138	105	57	61,5	●	●
SM6E20 + 6GF 30 KW	60149059	0640000	30	40		304	252	240	222	200	176	145	110	60	61,5	●	●
SM6E21 + 6GF 30 KW	60149060	0640000	30	40		319	265	252	233	210	185	152	116	63	61,5	●	●
SM6E22 + 6GF 30 KW	60149061	0640000	30	40		334	277	264	244	220	194	160	121	66	61,5	●	●
SM6E23 + 6GF 37 KW	60149062	0650000	37	50		350	290	276	255	230	202	167	127	69	79,5	●	●
SM6E24 + 6GF 37 KW	60149063	0650000	37	50		365	302	288	266	240	211	174	132	72	79,5	●	●
SM6E25 + 6GF 37 KW	60149064	0650000	37	50		380	315	300	278	250	220	181	138	75	79,5	●	●
SM6E26 + 6GF 37 KW	60149065	0650000	37	50		395	328	312	289	260	229	189	143	78	79,5	●	●

● allowed
o on demand

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - SM6G

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h)	0	30	35	40	45	50	55	60	65	70	In 400V [A]	operating by inverter	horizontal instal.
					(l/min)	0	500	583	667	750	833	917	1000	1083	1167			
SM6G2 + 6GF 4 KW	60149066	0605500	4	5,5	H (mt)	32	24	22	21	19	18	16	13	10	6	10,6	●	●
SM6G3 + 6GF 5,5 KW	60149067	0607500	5,5	7,5		49	36	34	32	30	27	24	19	15	10	14	●	●
SM6G4 + 6GF 7,5 KW	60149068	0610000	7,5	10		66	49	46	43	40	36	32	26	20	13	18	●	●
SM6G5 + 6GF 9,2 KW	60149069	0612500	9,2	12,5		83	62	58	54	51	46	41	33	25	17	22	●	●
SM6G6 + 6GF 11 KW	60149070	0615000	11	15		101	75	70	66	61	56	49	40	31	20	25,5	●	●
SM6G7 + 6GF 15 KW	60149073	0620000	15	20		118	88	82	77	71	65	57	47	36	24	33,4	●	●
SM6G8 + 6GF 15 KW	60149074	0620000	15	20		134	100	94	88	82	74	66	54	41	27	33,4	●	●
SM6G9 + 6GF 15 KW	60149075	0620000	15	20		151	113	105	99	92	84	74	60	46	31	33,4	●	●
SM6G10 + 6GF 18,5 KW	60149076	0625000	18,5	25		168	125	117	110	102	93	82	67	51	34	41	●	●
SM6G11 + 6GF 18,5 KW	60149077	0625000	18,5	25		185	138	129	121	112	102	90	74	56	37	41	●	●
SM6G12 + 6GF 22 KW	60149078	0630000	22	30		202	150	140	132	123	111	98	80	61	41	47	●	●
SM6G13 + 6GF 22 KW	60149079	0630000	22	30		218	163	152	143	133	121	107	87	66	44	47	●	●
SM6G14 + 6GF 30 KW	60149080	0640000	30	40		235	175	164	154	143	130	115	94	71	48	61,5	●	●
SM6G15 + 6GF 30 KW	60149081	0640000	30	40		252	188	176	165	153	139	123	101	77	51	61,5	●	●
SM6G16 + 6GF 30 KW	60149082	0640000	30	40		269	200	187	176	163	148	131	107	82	54	61,5	●	●
SM6G17 + 6GF 30 KW	60149083	0640000	30	40		286	213	199	187	174	158	139	114	87	58	61,5	●	●
SM6G18 + 6GF 30 KW	60149084	0640000	30	40		302	225	211	198	184	167	148	121	92	61	61,5	●	●
SM6G19 + 6GF 37 KW	60149085	0650000	37	50		319	238	222	209	194	176	156	127	97	65	79,5	●	●
SM6G20 + 6GF 37 KW	60149086	0650000	37	50		336	250	234	220	204	186	164	134	102	68	79,5	●	●
SM6G21 + 6GF 37 KW	60149087	0650000	37	50		353	263	246	231	214	195	172	141	107	71	79,5	●	●
SM6G22 + TR8 45 KW	60149088	60144582	45	60		370	275	257	242	225	204	180	147	112	75	92	o	●
SM6G23 + TR8 45 KW	60149089	60144582	45	60		386	288	269	253	235	213	189	154	117	78	92	o	●

● allowed
o on demand

TECHNICAL DATA - SM6H

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h)	0	35	40	45	50	55	60	65	70	75	In 400V [A]	operating by inverter	horizontal instal.
					(l/min)	0	583	667	750	833	917	1000	1083	1167	1250			
SM6H2 + 6GF 5,5 KW	60149090	0607500	5,5	7,5	H (mt)	30	24	23	22	20	19	17	15	13	10	14	●	●
SM6H3 + 6GF 7,5 KW	60149091	0610000	7,5	10		47	37	36	33	31	29	26	23	19	15	18	●	●
SM6H4 + 6GF 9,2 KW	60149092	0612500	9,2	12,5		63	50	48	45	42	38	35	31	26	21	22	●	●
SM6H5 + 6GF 11 KW	60149093	0615000	11	15		79	63	60	57	53	49	44	39	33	26	25,5	●	●
SM6H6 + 6GF 15 KW	60149094	0620000	15	20		96	76	73	69	64	59	53	47	40	32	33,4	●	●
SM6H7 + 6GF 15 KW	60149095	0620000	15	20		112	89	85	81	75	69	62	55	46	37	33,4	●	●
SM6H8 + 6GF 18,5 KW	60149096	0625000	18,5	25		128	102	98	92	86	78	71	62	53	42	41	●	●
SM6H9 + 6GF 18,5 KW	60149097	0625000	18,5	25		144	114	110	104	96	88	80	70	59	48	41	●	●
SM6H10 + 6GF 22 KW	60149098	0630000	22	30		160	127	122	115	107	98	89	78	66	53	47	●	●
SM6H11 + 6GF 22 KW	60149099	0630000	22	30		176	140	134	127	118	108	98	86	73	58	47	●	●
SM6H12 + 6GF 30 KW	60149100	0640000	30	40		192	152	146	138	128	118	107	94	79	64	61,5	●	●
SM6H13 + 6GF 30 KW	60149101	0640000	30	40		208	165	159	150	139	127	116	101	86	69	61,5	●	●
SM6H14 + 6GF 30 KW	60149102	0640000	30	40		224	178	171	161	150	137	125	109	92	74	61,5	●	●
SM6H15 + 6GF 37 KW	60149103	0650000	37	50		240	191	183	173	161	147	134	117	99	80	79,5	●	●
SM6H16 + 6GF 37 KW	60149104	0650000	37	50		256	203	195	184	171	157	142	125	106	85	79,5	●	●
SM6H17 + 6GF 37 KW	60149105	0650000	37	50		272	216	207	196	182	167	151	133	112	90	79,5	●	●
SM6H18 + TR8 45 KW	60149106	60144582	45	60		288	229	220	207	193	176	160	140	119	95	92	o	●
SM6H19 + TR8 45 KW	60149107	60144582	45	60		304	241	232	219	203	186	169	148	125	101	92	o	●
SM6H20 + TR8 45 KW	60149108	60144582	45	60		320	254	244	230	214	196	178	156	132	106	92	o	●
SM6H21 + TR8 55 KW	60149109	60144583	55	75		336	267	256	242	225	206	187	164	139	111	109	o	●
SM6H22 + TR8 55 KW	60149110	60144583	55	75		352	279	268	253	235	216	196	172	145	117	109	o	●
SM6H23 + TR8 55 KW	60149111	60144583	55	75		368	292	281	265	246	225	205	179	152	122	109	o	●
SM6H24 + TR8 55 KW	60149112	60144583	55	75		384	305	293	276	257	235	214	187	158	127	109	o	●

● allowed
o on demand

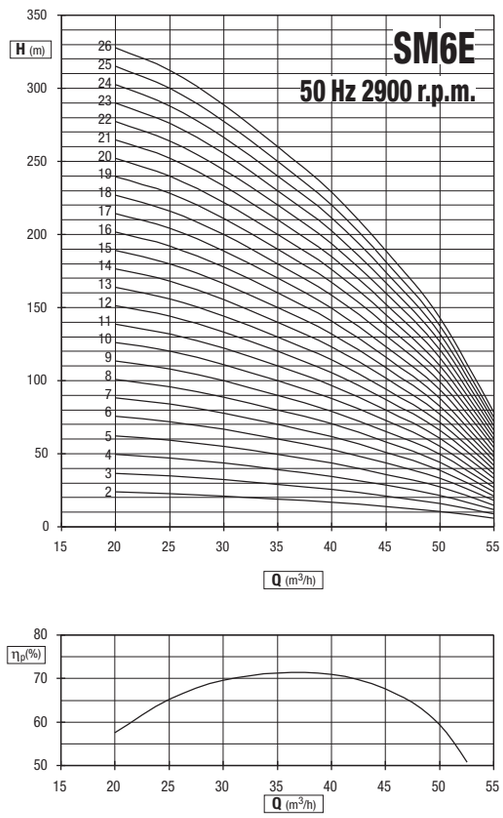
● allowed
o on demand

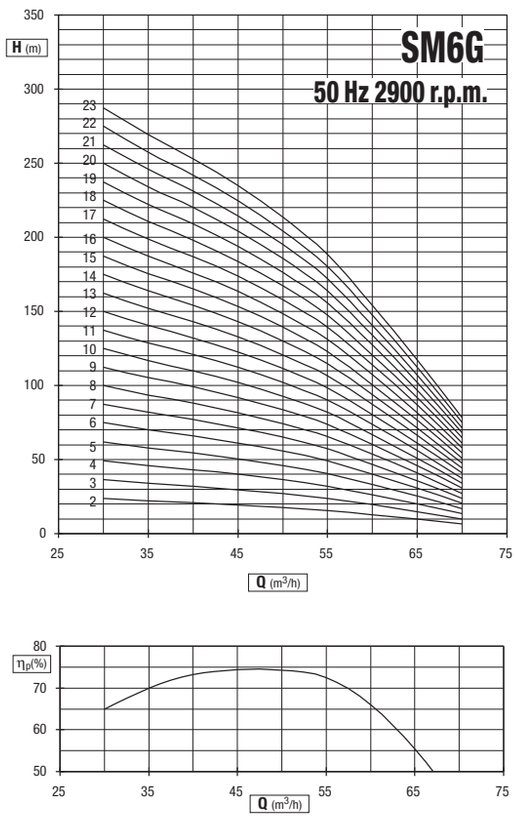
TECHNICAL DATA - SM6L

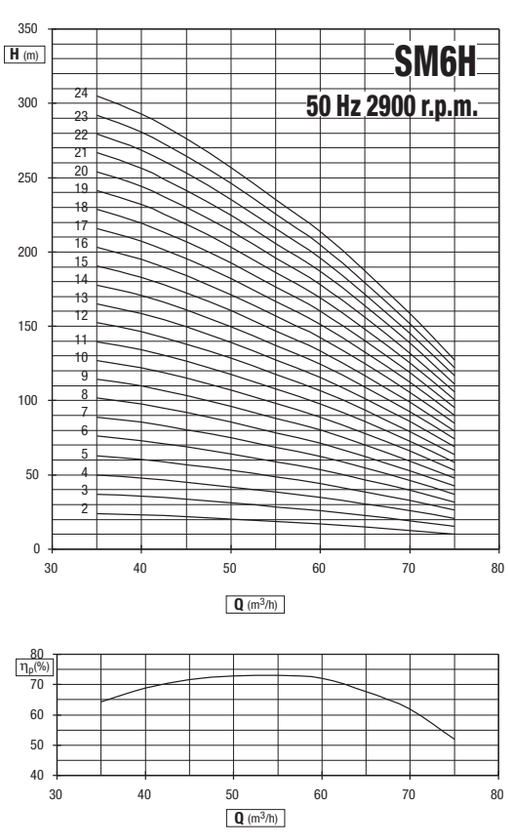
MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h)	0	40	50	55	60	65	70	75	80	85	In 400V [A]	operating by inverter	horizontal instal.
					(l/min)	0	667	833	917	1000	1083	1167	1250	1333	1417			
SM6L2 + 6GF 5,5 KW	60149113	0607500	5,5	7,5		31	25	23	22	20	19	17	15	12	10	14	●	●
SM6L3 + 6GF 9,2 KW	60149114	0612500	9,2	12,5		48	38	35	33	31	29	26	23	19	15	22	●	●
SM6L4 + 6GF 11 KW	60149115	0615000	11	15		64	51	47	45	42	39	35	31	26	20	25,5	●	●
SM6L5 + 6GF 15 KW	60149116	0620000	15	20		81	64	59	56	53	49	44	39	32	25	33,4	●	●
SM6L6 + 6GF 18,5 KW	60149117	0625000	18,5	25		98	78	72	68	64	59	54	47	39	30	41	●	●
SM6L7 + 6GF 18,5 KW	60149118	0625000	18,5	25		115	91	84	80	74	69	63	55	46	35	41	●	●
SM6L8 + 6GF 22 KW	60149119	0630000	22	30		131	104	96	91	85	79	72	63	52	40	47	●	●
SM6L9 + 6GF 30 KW	60149120	0640000	30	40		148	117	108	102	96	89	81	71	59	46	61,5	●	●
SM6L10 + 6GF 30 KW	60149121	0640000	30	40		164	130	120	114	106	99	90	79	66	51	61,5	●	●
SM6L11 + 6GF 30 KW	60149122	0640000	30	40		180	143	132	125	117	109	99	87	72	56	61,5	●	●
SM6L12 + 6GF 37 KW	60149123	0650000	37	50		197	156	144	136	128	118	108	94	79	61	79,5	●	●
SM6L13 + 6GF 37 KW	60149124	0650000	37	50	H (mt)	213	169	156	148	138	128	117	102	85	66	79,5	●	●
SM6L14 + 6GF 37 KW	60149125	0650000	37	50		230	182	168	159	149	138	126	110	92	71	79,5	●	●
SM6L15 + TR8 45 KW	60149126	60144582	45	60		246	195	180	171	159	148	135	118	98	76	92	o	●
SM6L16 + TR8 45 KW	60149127	60144582	45	60		262	208	192	182	170	158	144	126	105	81	92	o	●
SM6L17 + TR8 45 KW	60149128	60144582	45	60		279	221	203	193	181	168	152	134	112	86	92	o	●
SM6L18 + TR8 55 KW	60149129	60144583	55	75		295	234	215	205	191	178	161	142	118	91	109	o	●
SM6L19 + TR8 55 KW	60149130	60144583	55	75		312	247	227	216	202	188	170	150	125	96	109	o	●
SM6L20 + TR8 55 KW	60149131	60144583	55	75		328	260	239	227	213	197	179	157	131	101	109	o	●
SM6L21 + TR8 55 KW	60149132	60144583	55	75		344	273	251	239	223	207	188	165	138	106	109	o	●
SM6L22 + TR8 63 KW	60149133	60144584	63	85		361	286	263	250	234	217	197	173	144	111	126	o	●
SM6L23 + TR8 63 KW	60149134	60144584	63	85		377	299	275	262	244	227	206	181	151	116	126	o	●
SM6L24 + TR8 63 KW	60149135	60144584	63	85		394	312	287	273	255	237	215	189	157	121	126	o	●

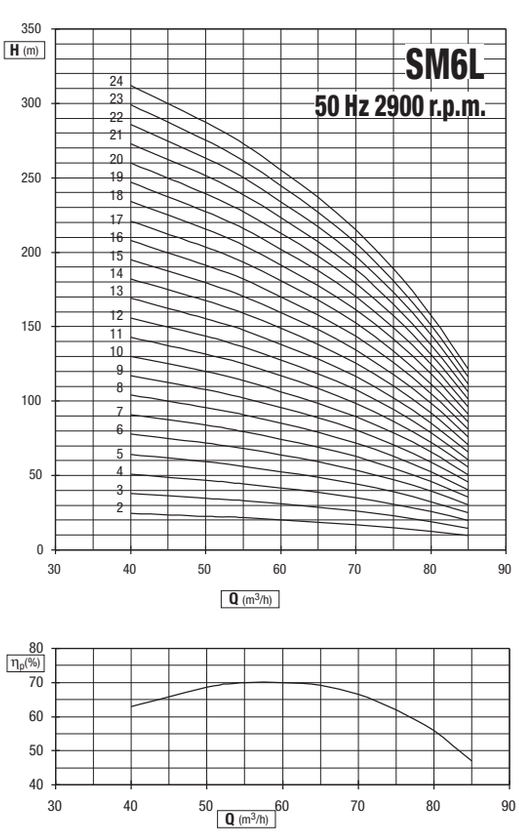
● allowed
o on demand

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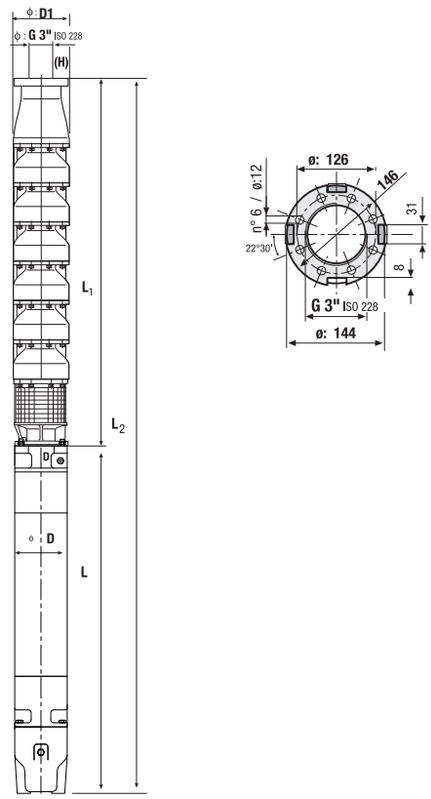

SM6E
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)


SM6G
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)


SM6H
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)


SM6L
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)

DIMENSIONS AND WEIGHTS



DIMENSIONS AND WEIGHTS - SM6E

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM6E2 + 6GF 4 kW	632	600	1232	141	146	69,4
SM6E3 + 6GF 5,5 kW	737	631	1368	141	146	78,6
SM6E4 + 6GF 5,5 kW	842	631	1473	141	146	84,6
SM6E5 + 6GF 7,5 kW	947	660	1607	141	146	93,2
SM6E6 + 6GF 9,2 kW	1052	685	1737	141	146	102,6
SM6E7 + 6GF 11 kW	1157	730	1887	141	146	113
SM6E8 + 6GF 11 kW	1262	730	1992	141	146	119
SM6E9 + 6GF 15 kW	1367	785	2152	141	146	131
SM6E10 + 6GF 15 kW	1472	785	2257	141	146	137
SM6E11 + 6GF 15 kW	1577	785	2362	141	146	143
SM6E12 + 6GF 18,5 kW	1682	860	2542	141	146	157
SM6E13 + 6GF 18,5 kW	1787	860	2647	141	146	163
SM6E14 + 6GF 22 kW	1892	920	2812	141	146	172,6
SM6E15 + 6GF 22 kW	1997	920	2917	141	146	178,6
SM6E16 + 6GF 22 kW	2102	920	3022	141	146	184,6
SM6E17 + 6GF 30 kW	2207	1050	3257	141	146	206,8
SM6E18 + 6GF 30 kW	2312	1050	3362	141	146	212,8
SM6E19 + 6GF 30 kW	2417	1050	3467	141	146	218,8
SM6E20 + 6GF 30 kW	2522	1050	3572	141	146	224,8
SM6E21 + 6GF 30 kW	2627	1050	3677	141	146	230,8
SM6E22 + 6GF 30 kW	2732	1050	3782	141	146	236,8
SM6E23 + 6GF 37 kW	2837	1180	4017	141	146	254,8
SM6E24 + 6GF 37 kW	2942	1180	4122	141	146	260,8
SM6E25 + 6GF 37 kW	3047	1180	4227	141	146	266,8
SM6E26 + 6GF 37 kW	3152	1180	4332	141	146	272,8

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DIMENSIONS AND WEIGHTS - SM6G

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM6G2 + 6GF 4 kW	632	600	1232	141	146	69,4
SM6G3 + 6GF 5,5 kW	737	631	1368	141	146	78,6
SM6G4 + 6GF 7,5 kW	842	660	1502	141	146	87,2
SM6G5 + 6GF 9,2 kW	947	685	1632	141	146	96,6
SM6G6 + 6GF 11 kW	1052	730	1782	141	146	107
SM6G7 + 6GF 15 kW	1157	785	1942	141	146	119
SM6G8 + 6GF 15 kW	1262	785	2047	141	146	125
SM6G9 + 6GF 15 kW	1367	785	2152	141	146	131
SM6G10 + 6GF 18,5 kW	1472	860	2332	141	146	145
SM6G11 + 6GF 18,5 kW	1577	860	2437	141	146	151
SM6G12 + 6GF 22 kW	1682	920	2602	141	146	160,6
SM6G13 + 6GF 22 kW	1787	920	2707	141	146	166,6
SM6G14 + 6GF 30 kW	1892	1050	2942	141	146	188,8
SM6G15 + 6GF 30 kW	1997	1050	3047	141	146	194,8
SM6G16 + 6GF 30 kW	2102	1050	3152	141	146	200,8
SM6G17 + 6GF 30 kW	2207	1050	3257	141	146	206,8
SM6G18 + 6GF 30 kW	2312	1050	3362	141	146	212,8
SM6G19 + 6GF 37 kW	2417	1180	3597	141	146	230,8
SM6G20 + 6GF 37 kW	2522	1180	3702	141	146	236,8
SM6G21 + 6GF 37 kW	2627	1180	3807	141	146	242,8
SM6G22 + TR860 45 kW	2760	1270	4030	192	146	329
SM6G23 + TR860 45 kW	2865	1270	4135	192	146	335

DIMENSIONS AND WEIGHTS - SM6H

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM6H2 + 6GF 5,5 kW	632	631	1263	141	146	72,6
SM6H3 + 6GF 7,5 kW	737	660	1397	141	146	81,2
SM6H4 + 6GF 9,2 kW	842	685	1527	141	146	90,6
SM6H5 + 6GF 11 kW	947	730	1677	141	146	101
SM6H6 + 6GF 15 kW	1052	785	1837	141	146	113
SM6H7 + 6GF 15 kW	1157	785	1942	141	146	119
SM6H8 + 6GF 18,5 kW	1262	860	2122	141	146	133
SM6H9 + 6GF 18,5 kW	1367	860	2227	141	146	139
SM6H10 + 6GF 22 kW	1472	920	2392	141	146	148,6
SM6H11 + 6GF 22 kW	1577	920	2497	141	146	154,6
SM6H12 + 6GF 30 kW	1682	1050	2732	141	146	176,8
SM6H13 + 6GF 30 kW	1787	1050	2837	141	146	182,8
SM6H14 + 6GF 30 kW	1892	1050	2942	141	146	188,8
SM6H15 + 6GF 37 kW	1997	1180	3177	141	146	206,8
SM6H16 + 6GF 37 kW	2102	1180	3282	141	146	212,8
SM6H17 + 6GF 37 kW	2207	1180	3387	141	146	218,8
SM6H18 + TR860 45 kW	2312	1270	3582	192	146	309
SM6H19 + TR860 45 kW	2445	1270	3715	192	146	311
SM6H20 + TR860 45 kW	2550	1270	3820	192	146	317
SM6H21 + TR875 55 kW	2655	1350	4005	192	146	338
SM6H22 + TR875 55 kW	2760	1350	4110	192	146	344
SM6H23 + TR875 55 kW	2865	1350	4215	192	146	350
SM6H24 + TR875 55 kW	2970	1350	4320	192	146	356

DIMENSIONS AND WEIGHTS - SM6L

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM6L2 + 6GF 5,5 kW	632	631	1263	141	146	72,6
SM6L3 + 6GF 9,2 kW	737	685	1422	141	146	84,6
SM6L4 + 6GF 11 kW	842	730	1572	141	146	95
SM6L5 + 6GF 15 kW	947	785	1732	141	146	107
SM6L6 + 6GF 18,5 kW	1052	860	1912	141	146	121
SM6L7 + 6GF 18,5 kW	1157	860	2017	141	146	127
SM6L8 + 6GF 22 kW	1262	920	2182	141	146	136,6
SM6L9 + 6GF 30 kW	1367	1050	2417	141	146	158,8
SM6L10 + 6GF 30 kW	1472	1050	2522	141	146	164,8
SM6L11 + 6GF 30 kW	1577	1050	2627	141	146	170,8
SM6L12 + 6GF 37 kW	1682	1180	2862	141	146	188,8
SM6L13 + 6GF 37 kW	1787	1180	2967	141	146	194,8
SM6L14 + 6GF 37 kW	1892	1180	3072	141	146	200,8
SM6L15 + TR860 45 kW	1997	1270	3267	192	146	285
SM6L16 + TR860 45 kW	2102	1270	3372	192	146	291
SM6L17 + TR860 45 kW	2207	1270	3477	192	146	297
SM6L18 + TR875 55 kW	2312	1350	3662	192	146	324
SM6L19 + TR875 55 kW	2445	1350	3795	192	146	326
SM6L20 + TR875 55 kW	2550	1350	3900	192	146	332
SM6L21 + TR875 55 kW	2655	1350	4005	192	146	338
SM6L22 + TR885 63 kW	2760	1490	4250	192	146	370
SM6L23 + TR885 63 kW	2865	1490	4355	192	146	376
SM6L24 + TR885 63 kW	2970	1490	4460	192	146	382

SM8E

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	30	40	50	60	70	80	90	100
	kW	HP		0	500	667	833	1000	1167	1333	1500	1667
SM8E1A	5,5	7,5	H (mt)	24	21	20	18	17	16	14	12	9
SM8E2A	9,2	12,5		48	41	39	37	34	31	28	24	18
SM8E3A	13,0	17,5		74	63	60	56	52	48	42	36	28
SM8E4A	18,5	25,0		100	85	81	76	70	64	57	49	38
SM8E5A	22,0	30,0		126	108	102	96	89	81	72	61	48
SM8E6A	26,0	35,0		153	131	124	116	107	98	88	74	58
SM8E7A	30,0	40,0		179	153	144	135	125	113	100	85	67
SM8E8A*	37,0	50,0		204	174	165	154	143	131	117	99	77
SM8E9A*	45,0	60,0		230	196	185	174	161	148	131	112	86
SM8E10A*	45,0	60,0		255	218	206	193	179	164	146	124	96
SM8E11A*	55,0	75,0		281	240	227	212	197	180	161	136	106
SM8E12A*	55,0	75,0		306	262	247	232	215	197	175	149	115
SM8E13A*	63,0	85,0		332	283	268	251	233	213	190	161	125
SM8E14A*	63,0	85,0		357	305	288	270	251	230	204	174	134
SM8E15A*	75,0	100		383	327	309	290	269	246	219	186	144
NPSH			mt		1	1	1	1	1	1	1	1

SM8G

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	40	50	60	70	80	90	100	110	120
	kW	HP		0	667	833	1000	1167	1333	1500	1667	1833	2000
SM8G1A	5,5	7,5	H (mt)	26	21	20	19	18	16	15	14	12	9
SM8G2A	11,0	15,0		51	42	40	38	35	33	30	27	23	18
SM8G3A	18,5	25,0		79	65	62	58	54	50	47	42	36	28
SM8G4A	22,0	30,0		106	88	83	78	73	68	63	56	48	38
SM8G5A	26,0	35,0		134	111	105	99	92	86	79	71	61	48
SM8G6A	37,0	50,0		162	134	127	119	112	104	96	86	74	58
SM8G7A	37,0	50,0		189	156	148	139	130	121	112	101	86	68
SM8G8A*	45,0	60,0		216	179	170	159	149	138	128	115	98	78
SM8G9A*	55,0	75,0		243	201	191	179	167	156	144	130	111	87
SM8G10A*	55,0	75,0		270	224	212	199	186	173	160	144	123	97
SM8G11A*	63,0	85,0		297	246	233	219	205	190	176	158	135	107
SM8G12A*	63,0	85,0		324	268	254	239	223	208	192	173	148	116
SM8G13A*	75,0	100		351	291	276	259	242	225	208	187	160	126
SM8G14A*	75,0	100		378	313	297	279	260	242	224	202	172	136
NPSH			mt		1	1	1	1	1	1	1	1	1

SM8H

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	60	70	80	90	100	110	120	130	140
	kW	HP		0	1000	1167	1333	1500	1667	1833	2000	2167	2333
SM8H1A	7,5	10,0	H (mt)	24	20	19	18	17	16	15	14	12	11
SM8H2A	13,0	17,5		49	40	38	36	34	32	30	28	25	22
SM8H3A	22,0	30,0		74	61	58	55	52	49	46	42	38	33
SM8H4A	26,0	35,0		100	82	78	74	71	67	62	57	51	45
SM8H5A	37,0	50,0		127	104	99	94	89	84	79	72	65	56
SM8H6A	45,0	60,0		154	126	120	113	108	102	95	88	79	68
SM8H7A	45,0	60,0		179	147	140	132	126	119	111	102	92	80
SM8H8A	55,0	75,0		205	168	160	151	144	136	127	117	105	91
SM8H9A	63,0	85,0		230	189	180	170	162	153	143	131	118	103
SM8H10A	75,0	100		256	210	200	189	180	170	159	146	131	114
SM8H11A	75,0	100		282	231	220	208	198	187	175	161	144	125
SM8H12A	92,0	125		307	252	240	227	216	204	191	175	157	137
SM8H13A	92,0	125		333	273	260	246	234	221	207	190	170	148
SM8H14A	92,0	125		358	294	280	265	252	238	223	204	183	160
SM8H15A	110	150		384	315	300	284	270	255	239	219	197	171
NPSH			mt		1	1	1	1	1,3	1,4	1,5	1,7	1,8

SM8L

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	70	90	100	110	120	130	140	150	160
	kW	HP		0	1167	1500	1667	1833	2000	2167	2333	2500	2667
SM8L1A	9,2	12,5	H (mt)	25	20	19	18	17	17	16	15	13	12
SM8L2A	18,5	25,0		50	41	38	36	35	33	32	29	27	24
SM8L3A	26,0	35,0		77	63	58	56	54	51	49	45	41	36
SM8L4A	37,0	50,0		103	84	78	75	72	69	65	60	55	49
SM8L5A	45,0	60,0		131	106	99	95	91	87	83	76	69	61
SM8L6A	55,0	75,0		158	129	119	115	110	106	100	92	84	74
SM8L7A	63,0	85,0		185	151	139	134	129	123	117	108	98	87
SM8L8A	75,0	100		211	172	159	154	147	141	134	123	112	99
SM8L9A	75,0	100		238	194	179	173	166	158	150	139	126	112
SM8L10A	92,0	125		264	215	199	192	184	176	167	154	140	124
SM8L11A	92,0	125		290	237	219	211	202	194	184	169	154	136
SM8L12A	110	150		317	258	239	230	221	211	200	185	168	149
SM8L13A	110	150		343	280	259	250	239	229	217	200	182	161
SM8L14A	132	180		370	301	279	269	258	246	234	216	196	174
NPSH			mt		1	1	1	1	1	1,1	1,1	1,2	1,4

SM8
8" SUBMERSIBLE PUMPS

NEW



Applications
Multistage mixed-flow bore-hole electric pumps for wells with a diameter of 8" or greater capable of developing a wide range of flows and heads.
These pumps can be used in a wide range of lifting, distributing and pressuring applications in civili and industrial supplies, autoclaves and tanks, fire-fighting and washing installations and irrigation systems.
Pumped liquid: Clean water without solid or abrasive particles.
Max. quantity of sand: 50g/m³.
Max. ambient temperature: 30°C.
Construction features of pump:
Mixed-flow pumps with external in cast-iron, impellers in cast-iron or bronze. The impellers are dynamically balanced and splined to the shaft with key drive.
The shaft is driven by coaxial bearing bushes and fully protected by sleeves to ease disassembling.

The pumps are provided with a built-in non returne valve, threaded, and low friction losses.
Delivery outlet flanged and threaded.
Coupling with 6" or 8" motor depending on the power requested by hydraulic part.
6GF: 6" canned submersible motor
TR8: 8" rewindable submersible motors.
TR10: 10" rewindable submersible motor.
For inverter application refer to the motor specification.
On request:
Pump body: Stainless steel microcasted AISI 316 for aggressive water application.
Impellers: Stainless steel microcasted AISI 316 or bronze. Version without Non-returne valve for horizontal application.
Non-standard pump/motor coupling.
Extra price for bronze impeller 245 each.
Extra price for AISI 316 stainless steel impeller 214 each.

TECHNICAL DATA - SM8E

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m³/h) (l/min)	0	30	40	50	60	70	80	90	100	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	500	667	833	1000	1167	1333	1500	1667			
SM8E1A + 6GF 5,5 KW	60149163	0607500	5,5	7,5	H (mt)	24	21	20	18	17	16	14	12	9	14	●	●
SM8E2A + 6GF 9,2 KW	60149164	0612500	9,2	12,5		48	41	39	37	34	31	28	24	18	22	●	●
SM8E3A + 6GF 15 KW	60149165	0620000	15	20		74	63	60	56	52	48	42	36	28	33,4	●	●
SM8E4A + 6GF 18,5 KW	60149166	0625000	18,5	25		100	85	81	76	70	64	57	49	38	41	●	●
SM8E5A + 6GF 22 KW	60149167	0630000	22	30		126	108	102	96	89	81	72	61	48	47	●	●
SM8E6A + 6GF 30 KW	60149168	0640000	30	40		153	131	124	116	107	98	88	74	58	61,5	●	●
SM8E7A + 6GF 30 KW	60149169	0640000	30	40		179	153	144	135	125	113	100	85	67	61,5	●	●
SM8E8A + 6GF 37 KW	60149170	0650000	37	50		204	174	165	154	143	131	117	99	77	79,5	●	●
SM8E9A + TR8 45 KW	60149171	60144582	45	60		230	196	185	174	161	148	131	112	86	92	o	●
SM8E10A + TR8 45 KW	60149172	60144582	45	60		255	218	206	193	179	164	146	124	96	92	o	●
SM8E11A + TR8 55 KW	60149175	60144583	55	75		281	240	227	212	197	180	161	136	106	109	o	●
SM8E12A + TR8 55 KW	60149176	60144583	55	75		306	262	247	232	215	197	175	149	115	109	o	●
SM8E13A + TR8 63 KW	60149177	60144584	63	85		332	283	268	251	233	213	190	161	125	126	o	●
SM8E14A + TR8 63 KW	60149178	60144584	63	85		357	305	288	270	251	230	204	174	134	126	o	●
SM8E15A + TR8 75 KW	60149179	60144585	75	100		383	327	309	290	269	246	219	186	144	145	o	●

● allowed
o on demand

TECHNICAL DATA - SM8G

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m³/h) (l/min)	0	40	50	60	70	80	90	100	110	120	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	667	833	1000	1167	1333	1500	1667	1833	2000			
SM8G1A + 6GF 5,5 KW	60149200	0607500	5,5	7,5	H (mt)	26	21	20	19	18	16	15	14	12	9	14	●	●
SM8G2A + 6GF 11 KW	60149201	0615000	11,0	15,0		51	42	40	38	35	33	30	27	23	18	25,5	●	●
SM8G3A + 6GF 18,5 KW	60149202	0625000	18,5	25,0		79	65	62	58	54	50	47	42	36	28	41	●	●
SM8G4A + 6GF 22 KW	60149203	0630000	22,0	30,0		106	88	83	78	73	68	63	56	48	38	47	●	●
SM8G5A + 6GF 30 KW	60149204	0640000	26,0	35,0		134	111	105	99	92	86	79	71	61	48	61,5	●	●
SM8G6A + 6GF 37 KW	60149210	0650000	37,0	50,0		162	134	127	119	112	104	96	86	74	58	79,5	●	●
SM8G7A + 6GF 37 KW	60149211	0650000	37,0	50,0		189	156	148	139	130	121	112	101	86	68	79,5	●	●
SM8G8A + TR8 45 KW	60149212	60144582	45,0	60,0		216	179	170	159	149	138	128	115	98	78	92	o	●
SM8G9A + TR8 55 KW	60149213	60144583	55,0	75,0		243	201	191	179	167	156	144	130	111	87	109	o	●
SM8G10A + TR8 55 KW	60149214	60144583	55,0	75,0		270	224	212	199	186	173	160	144	123	97	109	o	●
SM8G11A + TR8 63 KW	60149215	60144584	63,0	85,0		297	246	233	219	205	190	176	158	135	107	126	o	●
SM8G12A + TR8 63 KW	60149216	60144584	63,0	85,0		324	268	254	239	223	208	192	173	148	116	126	o	●
SM8G13A + TR8 75 KW	60149217	60144585	75,0	100		351	291	276	259	242	225	208	187	160	126	145	o	●
SM8G14A + TR8 75 KW	60149218	60144585	75,0	100		378	313	297	279	260	242	224	202	172	136	145	o	●

● allowed
o on demand

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - SM8H

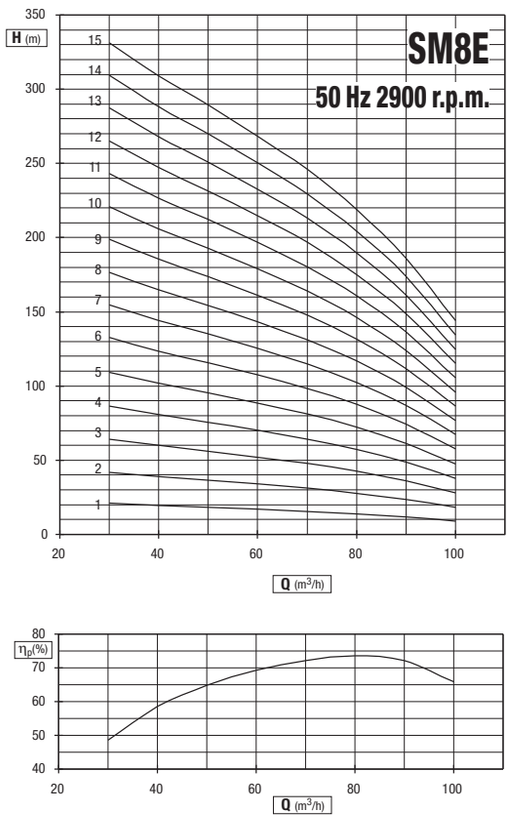
MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m³/h) (l/min)	0	60	70	80	90	100	110	120	130	140	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	1000	1167	1333	1500	1667	1833	2000	2167	2333			
SM8H1A + 6GF 7,5 KW	60149219	0610000	7,5	10		24	20	19	18	17	16	15	14	12	11	18	●	●
SM8H2A + 6GF 15 KW	60149220	0620000	15	20		49	40	38	36	34	32	30	28	25	22	33,4	●	●
SM8H3A + 6GF 22 KW	60149221	0630000	22	30		74	61	58	55	52	49	46	42	38	33	47	●	●
SM8H4A + 6GF 30 KW	60149222	0640000	30	40		100	82	78	74	71	67	62	57	51	45	61,5	●	●
SM8H5A + 6GF 37 KW	60149223	0650000	37	50		127	104	99	94	89	84	79	72	65	56	79,5	●	●
SM8H6A + TR8 45 KW	60149224	60144582	45	60		154	126	120	113	108	102	95	88	79	68	92	o	●
SM8H7A + TR8 45 KW	60149225	60144582	45	60		179	147	140	132	126	119	111	102	92	80	92	o	●
SM8H8A + TR8 55 KW	60149226	60144583	55	75	H (mt)	205	168	160	151	144	136	127	117	105	91	109	o	●
SM8H9A + TR8 63 KW	60149227	60144584	63	85		230	189	180	170	162	153	143	131	118	103	126	o	●
SM8H10A + TR8 75 KW	60149228	60144585	75	100		256	210	200	189	180	170	159	146	131	114	145	o	●
SM8H11A + TR8 75 KW	60149230	60144585	75	100		282	231	220	208	198	187	175	161	144	125	145	o	●
SM8H12A + TR8 92 KW	60149231	60144586	92	125		307	252	240	227	216	204	191	175	157	137	177	o	●
SM8H13A + TR8 92 KW	60149232	60144586	92	125		333	273	260	246	234	221	207	190	170	148	177	o	●
SM8H14A + TR8 92 KW	60149233	60144586	92	125		358	294	280	265	252	238	223	204	183	160	177	o	●
SM8H15A + TR8 110 KW	60149234	60144587	110	150		384	315	300	284	270	255	239	219	197	171	213	o	o

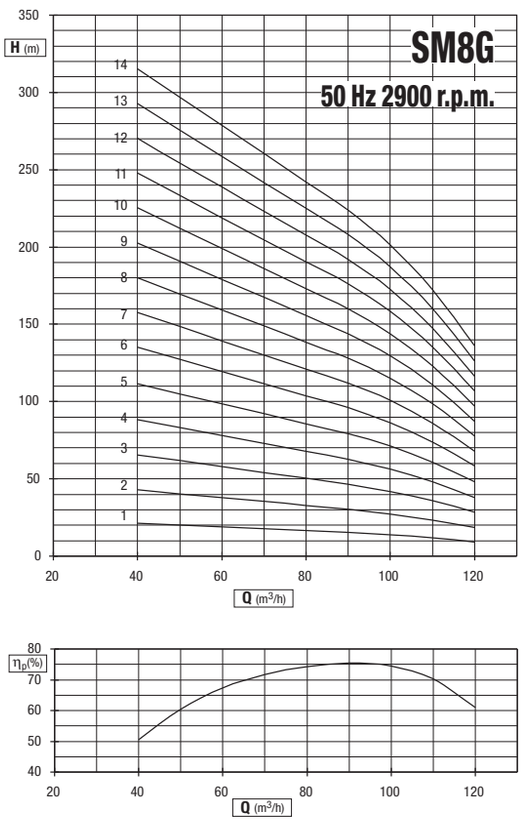
● allowed
o on demand

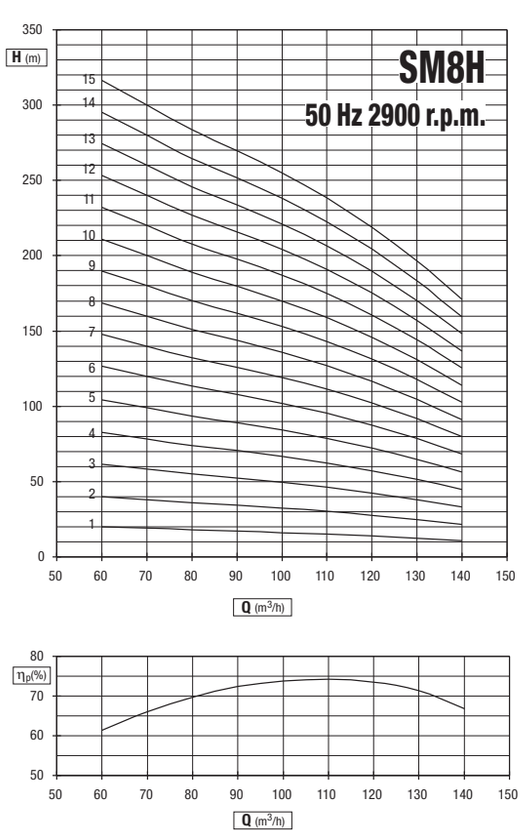
TECHNICAL DATA - SM8L

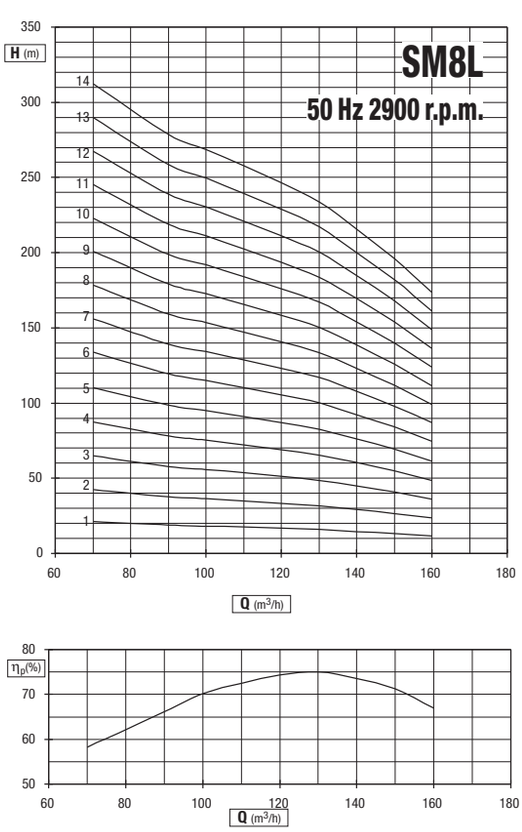
MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m³/h) (l/min)	0	70	90	100	110	120	130	140	150	160	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	1167	1500	1667	1833	2000	2167	2333	2500	2667			
SM8L1A + 6GF 9,2 KW	60149235	0612500	9,2	12,5		25	20	19	18	17	17	16	15	13	12	22	●	●
SM8L2A + 6GF 18,5 KW	60149236	0625000	18,5	25		50	41	38	36	35	33	32	29	27	24	41	●	●
SM8L3A + 6GF 30 KW	60149237	0640000	30	40		77	63	58	56	54	51	49	45	41	36	61,5	●	●
SM8L4A + 6GF 37 KW	60149238	0650000	37	50		103	84	78	75	72	69	65	60	55	49	79,5	●	●
SM8L5A + TR8 45KW	60149239	60144582	45	60		131	106	99	95	91	87	83	76	69	61	92	o	●
SM8L6A + TR8 55 KW	60149240	60144583	55	75		158	129	119	115	110	106	100	92	84	74	109	o	●
SM8L7A + TR8 63 KW	60149241	60144584	63	85		185	151	139	134	129	123	117	108	98	87	126	o	●
SM8L8A + TR8 75 KW	60149242	60144585	75	100	H (mt)	211	172	159	154	147	141	134	123	112	99	145	o	●
SM8L9A + TR8 75 KW	60149243	60144585	75	100		238	194	179	173	166	158	150	139	126	112	145	o	●
SM8L10A + TR8 92 KW	60149244	60144586	92	125		264	215	199	192	184	176	167	154	140	124	177	o	●
SM8L11A + TR8 92 KW	60149250	60144586	92	125		290	237	219	211	202	194	184	169	154	136	177	o	●
SM8L12A + TR8 110 KW	60149251	60144587	110	150		317	258	239	230	221	211	200	185	168	149	213	o	o
SM8L13A + TR8 110 KW	60149252	60144587	110	150		343	280	259	250	239	229	217	200	182	161	213	o	o
SM8L14A+TR10 132 KW	60149253	60146795	132	180		370	301	279	269	258	246	234	216	196	174	257	o	●

● allowed
o on demand

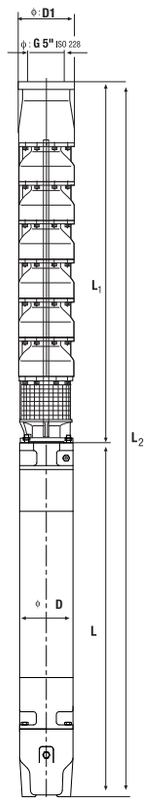

SM8E
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)

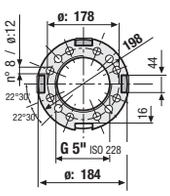

SM8G
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)


SM8H
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)


SM8L
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
ηp(%)

DIMENSIONS AND WEIGHTS





DIMENSIONS AND WEIGHTS - SM8E

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM8E1A + 6GF 5,5 kW	604	631	1235	141	198	84,6
SM8E2A + 6GF 9,2 kW	736	685	1421	141	198	100,6
SM8E3A + 6GF 15 kW	868	785	1653	141	198	121
SM8E4A + 6GF 18,5 kW	1000	860	1860	141	198	139
SM8E5A + 6GF 22 kW	1132	920	2052	141	198	152,6
SM8E6A + 6GF 30 kW	1264	1050	2314	141	198	178,8
SM8E7A + 6GF 30 kW	1396	1050	2446	141	198	188,8
SM8E8A + 6GF 37 kW	1528	1180	2708	141	198	210,8
SM8E9A + TR860 45 kW	1688	1270	2958	192	198	302
SM8E10A + TR860 45 kW	1820	1270	3090	192	198	312
SM8E11A + TR875 55 kW	1952	1350	3302	192	198	337
SM8E12A + TR875 55 kW	2084	1350	3434	192	198	347
SM8E13A + TR885 63 kW	2216	1490	3706	192	198	383
SM8E14A + TR885 63 kW	2348	1490	3838	192	198	393
SM8E15A + TR8100 75 kW	2480	1590	4070	192	198	422

DIMENSIONS AND WEIGHTS - SM8G

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM8G1A + 6GF 5,5 kW	604	631	1235	141	198	84,6
SM8G2A + 6GF 11 kW	736	730	1466	141	198	105
SM8G3A + 6GF 18,5 kW	868	860	1728	141	198	129
SM8G4A + 6GF 22 kW	1000	920	1920	141	198	142,6
SM8G5A + 6GF 30 kW	1132	1050	2182	141	198	168,8
SM8G6A + 6GF 37 kW	1264	1180	2444	141	198	190,8
SM8G7A + 6GF 37 kW	1396	1180	2576	141	198	200,8
SM8G8A + TR860 45 kW	1556	1270	2826	192	198	292
SM8G9A + TR875 55 kW	1688	1350	3038	192	198	317
SM8G10A + TR875 55 kW	1820	1350	3170	192	198	327
SM8G11A + TR885 62 kW	1952	1490	3442	192	198	363
SM8G12A + TR885 62 kW	2084	1490	3574	192	198	373
SM8G13A + TR8100 75 kW	2216	1590	3806	192	198	402
SM8G14A + TR8100 75 kW	2348	1590	3938	192	198	412

DIMENSIONS AND WEIGHTS - SM8H

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM8H1A + 6GF 7,5 kW	604	660	1264	141	198	87,2
SM8H2A + 6GF 15 kW	736	785	1521	141	198	111
SM8H3A + 6GF 22 kW	868	920	1788	141	198	132,6
SM8H4A + 6GF 30 kW	1000	1050	2050	141	198	158,8
SM8H5A + 6GF 37 kW	1132	1180	2312	141	198	180,8
SM8H6A + TR860 45 kW	1292	1270	2562	192	198	272
SM8H7A + TR860 45 kW	1424	1270	2694	192	198	282
SM8H8A + TR875 55 kW	1556	1350	2906	192	198	307
SM8H9A + TR885 63 kW	1688	1490	3178	192	198	343
SM8H10A + TR8100 75 kW	1820	1590	3410	192	198	372
SM8H11A + TR8100 75 kW	1952	1590	3542	192	198	382
SM8H12A + TR8125 92 kW	2084	1830	3914	192	198	438
SM8H13A + TR8125 92 kW	2216	1830	4046	192	198	448
SM8H14A + TR8125 92 kW	2348	1830	4178	192	198	458
SM8H15A + TR8150 110 kW	2480	2060	4540	192	198	518

DIMENSIONS AND WEIGHTS - SM8L

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM8L1A + 6GF 9,2 kW	604	685	1289	141	198	90,6
SM8L2A + 6GF 18,5 kW	736	860	1596	141	198	119
SM8L3A + 6GF 30 kW	868	1050	1918	141	198	148,8
SM8L4A + 6GF 37 kW	1000	1180	2180	141	198	170,8
SM8L5A + TR860 45 kW	1132	1270	2402	192	198	259
SM8L6A + TR875 55 kW	1292	1350	2642	192	198	287
SM8L7A + TR885 63 kW	1424	1490	2914	192	198	323
SM8L8A + TR8100 75 kW	1556	1590	3146	192	198	352
SM8L9A + TR8100 75 kW	1688	1590	3278	192	198	362
SM8L10A + TR8125 92 kW	1820	1830	3650	192	198	418
SM8L11A + TR8125 92 kW	1952	1830	3782	192	198	428
SM8L12A + TR8150 110 kW	2084	2060	4144	192	198	488
SM8L13A + TR8150 110 kW	2216	2060	4276	192	198	498
SM8L14A + TR10180 132 kW	2348	1870	4218	232	198	610

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SM10E

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	80	100	120	140	150	160	170	180	190
	kW	HP		0	1333	1667	2000	2333	2500	2667	2833	3000	3167
SM10E1L	9,2	12,5		32	25	23	20	17	15	13	11		
SM10E1F	11,0	15,0		35	28	26	24	21	19	17	16	14	
SM10E1A	15,0	20,0		38	31	30	28	25	24	22	21	19	17
SM10E2G	22,0	30,0		68	53	49	44	39	35	31	27		
SM10E2A	30,0	40,0		76	63	60	56	51	48	45	42	38	34
SM10E3L	30,0	40,0		98	76	70	62	53	47	41	34		
SM10E3F	37,0	50,0		108	87	81	74	65	60	54	48	42	
SM10E3A	45,0	60,0		117	97	92	86	78	74	69	64	58	52
SM10E4G	45,0	60,0	H (mt)	138	108	100	91	79	72	64	56		
SM10E4D	55,0	75,0		152	122	114	106	94	87	80	72	63	55
SM10E4A	55,0	75,0		156	129	123	114	104	98	92	85	77	69
SM10E5D	63,0	85,0		190	152	143	132	118	109	100	90	79	69
SM10E5A	75,0	100,0		195	161	153	143	130	123	115	106	96	86
SM10E6D	75,0	100,0		228	182	171	158	142	131	120	108	95	83
SM10E6A	92,0	125,0		234	194	184	171	156	147	137	128	116	103
SM10E7A	110,0	150,0		273	226	215	200	182	172	160	149	135	120
SM10E8A	132,0	180,0		312	258	245	228	208	196	183	170	154	137
NPSH			mt		1	1	1	1	1	1	1	1	1

SM10G

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	90	100	120	140	160	180	200	220	240
	kW	HP		0	1500	1667	2000	2333	2667	3000	3333	3667	4000
SM10G1N	11,0	15,0		31	23	22	21	19	17	15	12	8	5
SM10G1G	13,0	17,5		36	27	26	25	23	21	20	17	14	11
SM10G1A	18,5	25,0		42	34	33	31	29	28	26	24	21	18
SM10G2L	22,0	30,0		68	51	49	46	42	39	34	29	23	15
SM10G2F	30,0	40,0		78	60	58	54	51	48	44	39	34	28
SM10G2A	37,0	50,0		84	69	67	63	60	56	53	48	43	36
SM10G3F	45,0	60,0		119	92	89	83	78	73	68	60	52	42
SM10G3A	55,0	75,0		129	105	102	97	91	86	81	74	66	56
SM10G4F	55,0	75,0	H (mt)	159	123	118	111	104	98	90	80	70	56
SM10G4A	75,0	100,0		172	140	136	129	122	115	108	99	88	74
SM10G5F	75,0	100,0		199	154	148	139	131	122	113	101	87	71
SM10G5A	92,0	125,0		215	175	171	161	152	144	135	124	110	93
SM10G6F	92,0	125,0		239	185	179	167	157	146	135	121	104	85
SM10G6D	110,0	150,0		248	196	191	179	169	160	149	135	118	98
SM10G6A	110,0	150,0		258	210	205	193	182	172	161	148	131	112
SM10G7D	132,0	180,0		290	228	222	209	197	186	174	158	138	114
SM10G7A	132,0	180,0		301	245	239	225	213	201	188	173	153	130
NPSH			mt		1	1	1	1	1	1	1,3	1,6	2

SM10H

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	100	120	140	160	180	200	220	240	260
	kW	HP		0	1667	2000	2333	2667	3000	3333	3667	4000	4333
SM10H1L	15,0	20,0		34	27	26	25	24	23	21	19	16	13
SM10H1F	18,5	25,0		38	31	30	29	28	27	25	23	21	18
SM10H1A	26,0	35,0		42	36	35	33	32	31	29	28	26	24
SM10H2N	26,0	35,0		63	50	48	45	44	41	37	33	26	20
SM10H2L	30,0	40,0		68	55	52	50	48	46	43	39	33	26
SM10H2F	37,0	50,0		76	64	61	59	56	54	51	47	43	37
SM10H2A	55,0	75,0		84	72	70	67	64	62	59	56	53	48
SM10H3G	55,0	75,0		111	92	88	84	81	77	72	66	58	49
SM10H3F	55,0	75,0		117	97	94	90	86	82	78	72	65	56
SM10H3A	75,0	100,0	H (mt)	129	111	107	102	98	95	91	86	81	74
SM10H4F	75,0	100,0		156	130	125	120	115	110	103	96	87	75
SM10H5G	92,0	125,0		185	154	147	141	135	128	120	110	97	82
SM10H5F	92,0	125,0		195	162	156	150	144	137	129	120	109	94
SM10H5D	110,0	150,0		201	171	165	158	151	145	139	132	122	109
SM10H6F	132,0	180,0		234	194	187	180	173	165	155	144	130	113
SM10H6D	132,0	180,0		241	205	198	189	181	174	167	158	146	131
SM10H7F	132,0	180,0		273	227	218	210	201	192	181	168	152	131
SM10H7D	147,0	200,0		281	239	231	221	211	203	195	184	170	152
SM10H7A	170,0	230,0		300	258	249	239	229	221	211	201	189	172
NPSH			mt		1	1	1	1	1	1,2	1,4	1,6	1,8

SM10L

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	160	180	220	260	280	300	320	340	360
	kW	HP		0	2667	3000	3667	4333	4667	5000	5333	5667	6000
SM10L1G	26,0	35,0		35	28	27	26	23	21	19	17	15	12
SM10L1A	30,0	40,0		41	34	33	31	29	27	26	23	21	18
SM10L2N	37,0	50,0		63	49	48	45	39	35	30	25		
SM10L2G	45,0	60,0		72	57	55	52	47	43	39	35	29	23
SM10L2A	63,0	85,0		82	69	67	63	58	55	52	47	42	36
SM10L3L	63,0	85,0		106	81	79	74	66	60	53	45	36	
SM10L3F	75,0	100,0		116	95	92	86	78	72	66	59	51	41
SM10L3A	92,0	125,0		126	106	103	97	89	85	79	72	64	55
SM10L4G	92,0	125,0	H (mt)	146	117	113	106	96	88	80	71	60	48
SM10L4D	110,0	150,0		157	132	129	121	112	104	96	88	77	64
SM10L4A	132,0	180,0		168	141	137	129	119	113	105	96	85	73
SM10L5G	110,0	150,0		183	146	142	133	120	110	100	89	75	60
SM10L5D	132,0	180,0		197	166	161	151	140	130	120	110	96	80
SM10L6G	132,0	180,0		219	175	170	159	143	132	120	106	90	72
SM10L7L	147,0	200,0		248	190	183	172	154	140	124	105	84	
SM10L7F	170,0	230,0		270	221	214	201	182	169	154	137	119	95
SM10L7D	190,0	260,0		275	232	225	211	195	182	168	154	134	112
SM10L7A	220,0	300,0		294	246	240	225	209	197	184	167	148	127
NPSH			mt		1	1	1,5	1,7	2	2,3	2,5	3	4,5

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SM10
10" SUBMERSIBLE PUMPS



Applications
Multistage mixed-flow bore-hole electric pumps for wells with a diameter of 10" or greater capable of developing a wide range of flows and heads.
These pumps can be used in a wide range of lifting, distributing and pressuring applications in civili and industrial supplies, autoclaves and tanks, fire-fighting and washing installations and irrigation systems.
Pumped liquid: Clean water without solid or abrasive particles.
Max. quantity of sand: 50g/m^3.
Max. ambient temperature: 30°C.
Construction features of pump:
Mixed-flow pumps with external in cast-iron, impellers in cast-iron or bronze. The impellers are dynamically balanced and splined to the shaft with key drive.
The shaft is driven by coaxial bearing bushes and fully protected by sleeves to ease disassembling.
The pumps are provided with a built-in non returne valve, threaded, and low friction losses.
Delivery outlet flanged and threaded.
Coupling with 6" or 8" motor depending on the power requested by hydraulic part.
6GF: 6" canned submersible motor.
TR8: 8" rewindable submersible motors.
TR10: 10" rewindable submersible motors.
TR12: 12" rewindable submersible motors.
For inverter application refer to the motor specification.
On request:
Pump body: Stainless steel microcasted AISI 316 for aggressive water application.
Impellers: Stainless steel microcasted AISI 316 or bronze.
Version without Non-returne valve for horizontal application.
Non-standard pump/motor coupling.
Extra price for bronze impeller 493 each.
Extra price for AISI 316 stainless steel impeller 456 each.

TECHNICAL DATA - SM10E

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m^3/h) (l/min)	0	80	100	120	140	150	160	170	180	190	In 400V [A]	operating by inverter	horizontal instal.
						0	1333	1667	2000	2333	2500	2667	2833	3000	3167			
SM10E1L + 6GF 9,2 KW	60149271	0612500	9,2	12,5	H (mt)	32	25	23	20	17	15	13	11			22	●	●
SM10E1F + 6GF 11 KW	60149272	0615000	11	15		35	28	26	24	21	19	17	16	14		25,5	●	●
SM10E1A + 6GF 15 KW	60149273	0620000	15	20		38	31	30	28	25	24	22	21	19	17	33,4	●	●
SM10E2G + 6GF 22 KW	60149274	0630000	22	30		68	53	49	44	39	35	31	27			47	●	●
SM10E2A + 6GF 30 KW	60149275	0640000	30	40		76	63	60	56	51	48	45	42	38	34	61,5	●	●
SM10E3L + 6GF 30 KW	60149276	0640000	30	40		98	76	70	62	53	47	41	34			61,5	●	●
SM10E3F + 6GF 37 KW	60149277	0650000	37	50		108	87	81	74	65	60	54	48	42		79,5	●	●
SM10E3A + TR8 45 KW	60149278	60144582	45	60		117	97	92	86	78	74	69	64	58	52	92	o	●
SM10E4G + TR8 45 KW	60149279	60144582	45	60		138	108	100	91	79	72	64	56			92	o	●
SM10E4D + TR8 55 KW	60149280	60144583	55	75		152	122	114	106	94	87	80	72	63	55	109	o	●
SM10E4A + TR8 55 KW	60149282	60144583	55	75		156	129	123	114	104	98	92	85	77	69	109	o	●
SM10E5D + TR8 63 KW	60149283	60144584	63	85		190	152	143	132	118	109	100	90	79	69	126	o	●
SM10E5A + TR8 75 KW	60149284	60144585	75	100		195	161	153	143	130	123	115	106	96	86	145	o	●
SM10E6D + TR8 75 KW	60149285	60144585	75	100		228	182	171	158	142	131	120	108	95	83	145	o	●
SM10E6A + TR8 92 KW	60149286	60144586	92	125		234	194	184	171	156	147	137	128	116	103	144	o	●
SM10E7A + TR8 110 KW	60149292	60144587	110	150		273	226	215	200	182	172	160	149	135	120	213	o	o
SM10E8A + TR10 132 KW	60149293	60146795	132	180		312	258	245	228	208	196	183	170	154	137	257	o	●

● allowed
o on demand

TECHNICAL DATA - SM10G

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m^3/h) (l/min)	0	90	100	120	140	160	180	200	220	240	In 400V [A]	operating by inverter	horizontal instal.
						0	1500	1667	2000	2333	2667	3000	3333	3667	4000			
SM10G1N + 6GF 11 KW	60149318	0615000	11	15	H (mt)	31	23	22	21	19	17	15	12	8	5	25,5	●	●
SM10G1G + 6GF 15 KW	60149319	0620000	15	20		36	27	26	25	23	21	20	17	14	11	33,4	●	●
SM10G1A + 6GF 18,5 KW	60149320	0625000	18	25		42	34	33	31	29	28	26	24	21	18	41	●	●
SM10G2L + 6GF 22 KW	60149321	0630000	22	30		68	51	49	46	42	39	34	29	23	15	47	●	●
SM10G2F + 6GF 30 KW	60149329	0640000	29	40		78	60	58	54	51	48	44	39	34	28	61,5	●	●
SM10G2A + 6GF 37 KW	60149330	0650000	37	50		84	69	67	63	60	56	53	48	43	36	79,5	●	●
SM10G3F + TR8 45 KW	60149331	60144582	44	60		119	92	89	83	78	73	68	60	52	42	92	o	●
SM10G3A + TR8 55 KW	60149332	60144583	55	75		129	105	102	97	91	86	81	74	66	56	109	o	●
SM10G4F + TR8 55 KW	60149333	60144583	55	75		159	123	118	111	104	98	90	80	70	56	109	o	●
SM10G4A + TR8 75 KW	60149334	60144585	75	100		172	140	136	129	122	115	108	99	88	74	145	o	●
SM10G5F + TR8 75 KW	60149335	60144585	75	100		199	154	148	139	131	122	113	101	87	71	145	o	●
SM10G5A + TR8 92 KW	60149336	60144586	92	125		215	175	171	161	152	144	135	124	110	93	144	o	●
SM10G6F + TR8 92 KW	60149337	60144586	92	125		239	185	179	167	157	146	135	121	104	85	144	o	●
SM10G6D + TR8 110 KW	60149338	60144587	110	150		248	196	191	179	169	160	149	135	118	98	213	o	o
SM10G6A + TR8 110 KW	60149339	60144587	110	150		258	210	205	193	182	172	161	148	131	112	213	o	o
SM10G7D + TR10 132 KW	60149340	60146795	132	180		290	228	222	209	197	186	174	158	138	114	257	o	●
SM10G7A + TR10 132 KW	60149341	60146795	132	180		301	245	239	225	213	201	188	173	153	130	257	o	●

● allowed
o on demand

TECHNICAL DATA - SM10H

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m³/h) (l/min)	0	100	120	140	160	180	200	220	240	260	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	1667	2000	2333	2667	3000	3333	3667	4000	4333			
SM10H1L + 6GF 15 KW	60149294	0620000	15	20		34	27	26	25	24	23	21	19	16	13	33,4	●	●
SM10H1F + 6GF 18,5 KW	60149295	0625000	18,5	25		38	31	30	29	28	27	25	23	21	18	41	●	●
SM10H1A + 6GF 30 KW	60149296	0640000	30	40		42	36	35	33	32	31	29	28	26	24	61,5	●	●
SM10H2N + 6GF 30 KW	60149297	0640000	30	40		63	50	48	45	44	41	37	33	26	20	61,5	●	●
SM10H2L + 6GF 30 KW	60149298	0640000	30	40		68	55	52	50	48	46	43	39	33	26	61,5	●	●
SM10H2F + 6GF 37 KW	60149299	0650000	37	50		76	64	61	59	56	54	51	47	43	37	79,5	●	●
SM10H2A + TR8 55 KW	60149300	60144583	55	75		84	72	70	67	64	62	59	56	53	48	109	o	●
SM10H3G + TR8 55 KW	60149301	60144583	55	75		111	92	88	84	81	77	72	66	58	49	109	o	●
SM10H3F + TR8 55 KW	60149303	60144583	55	75		117	97	94	90	86	82	78	72	65	56	109	o	●
SM10H3A + TR8 75 KW	60149304	60144585	75	100	H (mt)	129	111	107	102	98	95	91	86	81	74	145	o	●
SM10H4F + TR8 75 KW	60149305	60144585	75	100		156	130	125	120	115	110	103	96	87	75	145	o	●
SM10H5G + TR8 92 KW	60149306	60144586	92	125		185	154	147	141	135	128	120	110	97	82	144	o	●
SM10H5F + TR8 92 KW	60149307	60144586	92	125		195	162	156	150	144	137	129	120	109	94	144	o	●
SM10H5D + TR8 110 KW	60149309	60144587	110	150		201	171	165	158	151	145	139	132	122	109	213	o	o
SM10H6F + TR10 132 KW	60149310	60146795	132	180		234	194	187	180	173	165	155	144	130	113	257	o	●
SM10H6D + TR10 132 KW	60149311	60146795	132	180		241	205	198	189	181	174	167	158	146	131	257	o	●
SM10H7F + TR10 132 KW	60149312	60146795	132	180		273	227	218	210	201	192	181	168	152	131	257	o	●
SM10H7D + TR10 147 KW	60149313	60146796	147	200		281	239	231	221	211	203	195	184	170	152	300	o	●
SM10H7A + TR10 170 KW	60149317	60146843	170	230		300	258	249	239	229	221	211	201	189	172	348	●	●

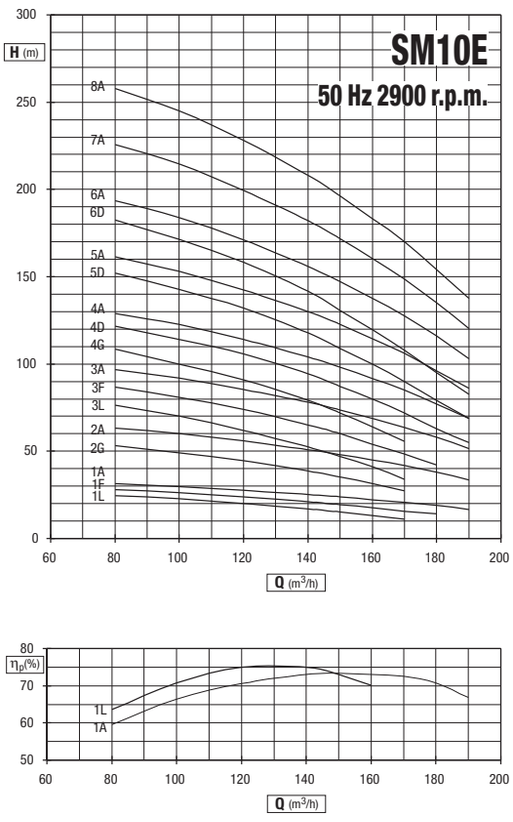
● allowed
o on demand

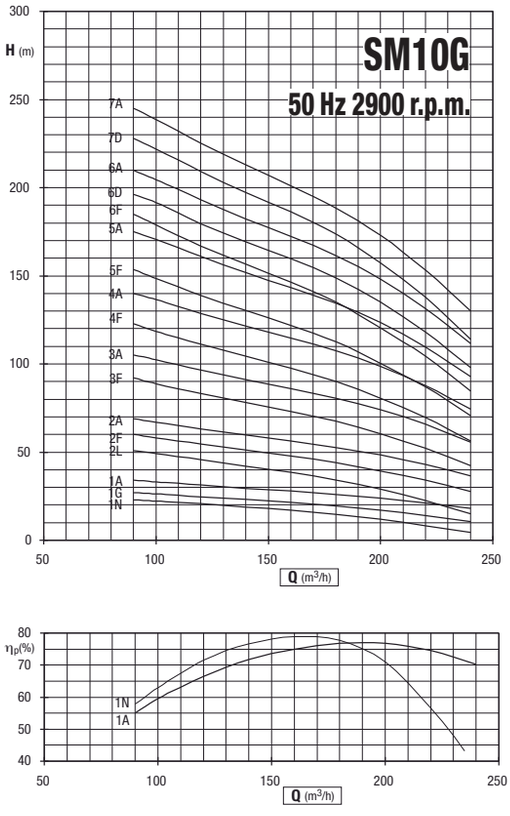
TECHNICAL DATA - SM10L

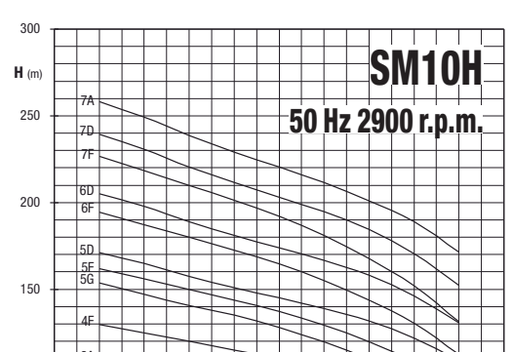
MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m³/h) (l/min)	0	160	180	220	260	280	300	320	340	360	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	2667	3000	3667	4333	4667	5000	5333	5667	6000			
SM10L1G + 6GF 30 KW	60149342	0640000	30	40		35	28	27	26	23	21	19	17	15	12	61,5	●	●
SM10L1A + 6GF 30 KW	60149343	0640000	30	40		41	34	33	31	29	27	26	23	21	18	61,5	●	●
SM10L2N + 6GF 37 KW	60149357	0650000	37	50		63	49	48	45	39	35	30	25			79,5	●	●
SM10L2G + TR8 45 KW	60149358	60144582	45	60		72	57	55	52	47	43	39	35	29	23	92	o	●
SM10L2A + TR8 63 KW	60149359	60144584	62	85		82	69	67	63	58	55	52	47	42	36	126	o	●
SM10L3L + TR8 63 KW	60149360	60144584	62	85		106	81	79	74	66	60	53	45	36		126	o	●
SM10L3F + TR8 75 KW	60149361	60144585	75	100		116	95	92	86	78	72	66	59	51	41	145	o	●
SM10L3A + TR8 92 KW	60149362	60144586	92	125		126	106	103	97	89	85	79	72	64	55	144	o	●
SM10L4G + TR8 92 KW	60149363	60144586	92	125		146	117	113	106	96	88	80	71	60	48	144	o	●
SM10L4D + TR8 110 KW	60149364	60144587	110	150	H (mt)	157	132	129	121	112	104	96	88	77	64	213	o	o
SM10L4A + TR10 132 KW	60149365	60146795	132	180		168	141	137	129	119	113	105	96	85	73	257	o	●
SM10L5G + TR10 110 KW	60149366	60144587	110	150		183	146	142	133	120	110	100	89	75	60	213	o	●
SM10L5D + TR10 132 KW	60149367	60146795	132	180		197	166	161	151	140	130	120	110	96	80	257	o	●
SM10L6G + TR10 132 KW	60149368	60146795	132	180		219	175	170	159	143	132	120	106	90	72	257	o	●
SM10L7L + TR10 147 KW	60149369	60146796	150	200		248	190	183	172	154	140	124	105	84		300	o	●
SM10L7F + TR10 170 KW	60149370	60146843	170	230		270	221	214	201	182	169	154	137	119	95	348	●	●
SM10L7D + TR10 190 KW	60149371	60146844	192	260		275	232	225	211	195	182	168	154	134	112	405	●	o
SM10L7A + TR12 220 KW	60149372	60146900	220	300		294	246	240	225	209	197	184	167	148	127	424	o	●

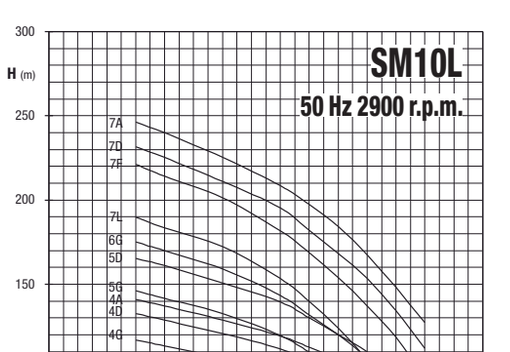
● allowed
o on demand

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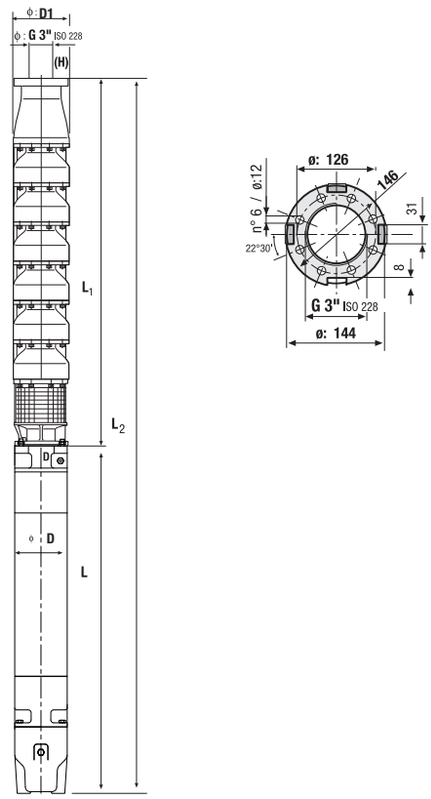

SM10E
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
8A
7A
6A
6D
5A
5D
4A
4D
4G
3A
3F
3L
2A
2G
1A
1F
1L
ηp(%)


SM10G
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
7A
7D
6A
6D
6F
5A
5F
4A
4F
3A
3F
2A
2F
2L
1A
1G
1N
ηp(%)


SM10H
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
7A
7D
7F
6D
6F
5D
5F
5G
4F
3A
3F
3G
2A
2F
2L
2N
1A
1F
1L
ηp(%)


SM10L
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
7A
7D
7F
7L
6G
5D
5G
4A
4D
4G
3A
3F
3L
2A
2G
2N
1A
1G
ηp(%)

DIMENSIONS AND WEIGHTS



DIMENSIONS AND WEIGHTS - SM10E

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM10E1L + 6GF 9,2 kW	738	685	1423	141	246	118,6
SM10E1F + 6GF 11 kW	738	730	1468	141	246	123
SM10E1A + 6GF 15 kW	738	785	1523	141	246	129
SM10E2G + 6GF 22 kW	903	920	1823	141	246	161,6
SM10E2A + 6GF 30 kW	903	1050	1953	141	246	177,8
SM10E3L + 6GF 30 kW	1068	1050	2118	141	246	198,8
SM10E3F + 6GF 37 kW	1068	1180	2248	141	246	210,8
SM10E3A + TR860 45 kW	1096	1270	2366	192	246	291
SM10E4G + TR860 45 kW	1261	1270	2531	192	246	312
SM10E4D + TR875 55 kW	1261	1350	2611	192	246	327
SM10E4A + TR875 55 kW	1261	1350	2611	192	246	327
SM10E5D + TR885 63 kW	1426	1490	2916	192	246	374
SM10E5A + TR8100 75 kW	1426	1590	3016	192	246	393
SM10E6D + TR8100 75 kW	1591	1590	3181	192	246	414
SM10E6A + TR8125 92 kW	1591	1830	3421	192	246	460
SM10E7A + TR8150 110 kW	1756	2060	3816	192	246	531
SM10E8A + TR10180 132 kW	1921	1870	3791	232	246	655

DAB PUMPS reserves the right to make modifications without notice

DIMENSIONS AND WEIGHTS - SM10G

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM10G1N + 6GF 11 kW	738	730	1468	141	246	123
SM10G1G + 6GF 15 kW	738	785	1523	141	246	129
SM10G1A + 6GF 18 kW	738	860	1598	141	246	137
SM10G2L + 6GF 22 kW	903	920	1823	141	246	161,6
SM10G2F + 6GF 29 kW	903	1050	1953	141	246	177,8
SM10G2A + 6GF 37 kW	903	1180	2083	141	246	189,8
SM10G3F + TR860 44 kW	1096	1270	2366	192	246	291
SM10G3A + TR875 55 kW	1096	1350	2446	192	246	306
SM10G4F + TR875 55 kW	1261	1350	2611	192	246	327
SM10G4A + TR8100 75 kW	1261	1590	2851	192	246	372
SM10G5F + TR8100 75 kW	1426	1590	3016	192	246	393
SM10G5A + TR8125 92 kW	1426	1830	3256	192	246	439
SM10G6F + TR8125 92 kW	1591	1830	3421	192	246	460
SM10G6D + TR8150 110 kW	1591	2060	3651	192	246	510
SM10G6A + TR8150 110 kW	1591	2060	3651	192	246	510
SM10G7D + TR10180 132 kW	1756	1870	3626	232	246	633
SM10G7A + TR10180 132 kW	1756	1870	3626	232	246	633

DIMENSIONS AND WEIGHTS - SM10H

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM10H1L + 6GF 15 kW	738	785	1523	141	246	129
SM10H1F + 6GF 18,5 kW	738	860	1598	141	246	137
SM10H1A + 6GF 30 kW	738	1050	1788	141	246	156,8
SM10H2N + 6GF 30 kW	903	1050	1953	141	246	177,8
SM10H2L + 6GF 30 kW	903	1050	1953	141	246	177,8
SM10H2F + 6GF 37 kW	903	1180	2083	141	246	189,8
SM10H2A + TR875 55 kW	931	1350	2281	192	246	285
SM10H3G + TR875 55 kW	1096	1350	2446	192	246	306
SM10H3F + TR875 55 kW	1096	1350	2446	192	246	306
SM10H3A + TR8100 75 kW	1096	1590	2686	192	246	351
SM10H4F + TR8100 75 kW	1261	1590	2851	192	246	372
SM10H5G + TR8125 92 kW	1426	1830	3256	192	246	439
SM10H5F + TR8125 92 kW	1426	1830	3256	192	246	439
SM10H5D + TR8150 110 kW	1426	2060	3486	192	246	489
SM10H6F + TR10180 132 kW	1591	1870	3461	232	246	614
SM10H6D + TR10180 132 kW	1591	1870	3461	232	246	614
SM10H7F + TR10180 132 kW	1756	1870	3626	232	246	635
SM10H7D + TR10200 147 kW	1756	2070	3826	232	246	700
SM10H7A + TR10230 170 kW	1756	2220	3976	232	246	740

DIMENSIONS AND WEIGHTS - SM10L

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM10L1G + 6GF 30 kW	738	1050	1788	141	246	156,8
SM10L1A + 6GF 30 kW	738	1050	1788	141	246	156,8
SM10L2N + 6GF 37 kW	903	1180	2083	141	246	189,8
SM10L2G + TR860 45 kW	931	1270	2201	192	246	270
SM10L2A + TR885 62 kW	931	1490	2421	192	246	311
SM10L3L + TR885 62 kW	1096	1490	2586	192	246	332
SM10L3F + TR8100 75 kW	1096	1590	2686	192	246	351
SM10L3A + TR8125 92 kW	1096	1830	2926	192	246	397
SM10L4G + TR8125 92 kW	1261	1830	3091	192	246	418
SM10L4D + TR8150 110 kW	1261	2060	3321	192	246	468
SM10L4A + TR10180 132 kW	1261	1870	3131	232	246	570
SM10L5G + TR10150 110 kW	1426	2060	3486	232	246	491
SM10L5D + TR10180 132 kW	1426	1870	3296	232	246	593
SM10L6G + TR10180 132 kW	1591	1870	3461	232	246	614
SM10L7L + TR10200 150 kW	1756	2070	3826	232	246	700
SM10L7F + TR10230 170 kW	1756	2220	3976	232	246	740
SM10L7D + TR10260 192 kW	1756	2400	4156	232	246	780
SM10L7A + TR12300 220 kW	1781	2110	3891	286	246	906

SM12E

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	140	160	200	220	240	260	280	300	320
	kW	HP		0	2333	2667	3333	3667	4000	4333	4667	5000	5333
SM12E1F	22	30		44	33	31	27	25	23	20	16	11	
SM12E1A	26	35		48	37	35	32	30	28	25	22	18	13
SM12E2L	37	50		78	55	53	45	41	35	29	22		
SM12E2F	45	60		88	66	63	55	51	46	40	32	23	
SM12E2A	55	75		97	74	71	64	61	56	51	44	36	27
SM12E3F	63	85		135	101	96	85	78	70	61	50	35	
SM12E3D	75	100		140	106	102	92	85	78	69	59	45	29
SM12E3A	92	125		148	113	109	98	93	86	78	67	55	42
SM12E4D	92	125		187	142	136	122	113	104	92	79	60	39
SM12E4A	110	150	H (mt)	197	151	145	131	124	114	103	89	73	55
SM12E5D	110	150		234	177	170	153	142	130	116	99	75	49
SM12E5A	132	180		247	189	182	164	155	143	129	111	92	69
SM12E6D	147	200		281	213	204	183	170	156	139	118	90	59
SM12E7F	147	200		315	236	223	197	182	163	141	116	81	
SM12E7D	170	230		327	248	238	214	198	182	162	138	105	69
SM12E8F	170	230		360	270	255	226	208	186	162	132	92	
SM12E8D	190	260		374	284	272	244	226	208	185	158	120	78
SM12E8A	220	300		394	302	290	262	247	229	206	178	146	111
SM12E9A	250	340		444	340	327	295	278	257	232	200	165	125
NPSH			mt		1	1	1	1	1	1,3	1,5	2,5	4,0

SM12G

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	160	200	240	260	280	300	320	340	360
	kW	HP		0	2667	3333	4000	4333	4667	5000	5333	5667	6000
SM12G1G	22	30		43	31	28	25	24	22	19	17	14	
SM12G1F	26	35		47	33	30	28	26	25	23	20	17	15,0
SM12G1D	30	40		49	36	33	30	29	27	25	23	20	17
SM12G1A	37	50		52	38	35	32	31	29	27	25	23	20
SM12G2N	37	50		74	52	47	41	37	32	27	21	15	
SM12G2G	45	60		87	62	57	51	48	44	39	34	28	
SM12G2D	55	75		100	72	66	61	58	55	51	46	41	35
SM12G2A	63	85		104	76	70	65	62	59	55	51	46	41
SM12G3F	75	100	H (mt)	145	103	94	87	82	76	70	63	54	45
SM12G3A	92	125		160	116	107	99	95	90	85	78	71	63
SM12G4D	110	150		204	147	134	124	118	112	104	94	84	72
SM12G4A	132	180		213	155	143	132	126	120	113	104	94	84
SM12G6G	132	180		268	191	174	157	147	134	120	104	87	
SM12G6F	147	200		291	206	187	174	164	152	140	126	108	90
SM12G6D	170	230		306	220	202	186	177	168	156	142	126	108
SM12G7D	190	260		357	257	235	217	207	196	182	165	147	126
SM12G7A	220	300		372	272	251	231	221	210	197	182	165	147
SM12G8A	250	340		426	310	286	264	252	240	226	208	188	168
NPSH			mt		1	1	1	1	1	2	2,5	3,5	4

SM12H

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	200	250	300	320	340	360	380	400	420
	kW	HP		0	3333	4167	5000	5333	5667	6000	6333	6667	7000
SM12H1N	26	35		36	27	24	21	19	17	14	12	9	
SM12H1L	30	40		40	29	27	24	22	20	18	16	12	
SM12H1D	37	50		48	36	34	32	30	29	27	25	22	
SM12H1A	45	60		49	38	36	34	32	31	29	27	25	23
SM12H2N	55	75		73	54	49	43	39	34	29	23	17	
SM12H2F	63	85		92	69	65	59	57	53	49	45	40	
SM12H2D	75	100		96	74	69	64	62	58	55	50	45	
SM12H3N	75	100		112	83	75	66	59	52	45	36	27	
SM12H3G	92	125		132	99	92	83	78	72	65	58	50	
SM12H3D	110	150		147	113	106	99	94	89	84	77	69	
SM12H3A	132	180		151	118	111	104	101	96	91	84	78	70
SM12H4G	132	180	H (mt)	176	131	122	110	104	96	87	77	66	
SM12H4F	132	180		188	141	132	121	115	108	101	92	82	
SM12H4D	147	200		196	150	141	131	126	119	112	102	92	
SM12H5G	147	200		220	164	153	138	130	120	109	97	83	
SM12H5F	170	230		235	177	165	152	144	135	126	115	102	
SM12H5D	190	260		245	188	176	164	157	149	140	128	116	
SM12H5A	190	260		252	197	185	174	168	160	152	141	130	116
SM12H6F	190	260		282	212	198	182	173	162	151	138	122	
SM12H6D	220	300		294	225	211	197	188	179	167	153	139	
SM12H6A	250	340		302	236	222	209	201	192	182	169	155	139
SM12H7D	250	340		343	263	246	230	220	209	195	179	162	
SM12H8F	250	340		376	282	264	242	231	216	201	184	163	
NPSH			mt		1	1	1	1	2,5	3,0	3,8	5,0	6,0

SM12L

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	250	300	340	360	380	400	440	480	510
	kW	HP		0	4167	5000	5667	6000	6333	6667	7333	8000	8500
SM12L1L	37	50		40	30	28	26	25	23	22	17	13	
SM12L1F	45	60		47	35	33	32	31	30	29	26	21	16
SM12L1A	55	75		49	39	37	36	36	35	33	30	26	22
SM12L2N	63	85		74	56	51	47	45	42	39	30	19	
SM12L2L	75	100		81	61	57	53	50	47	44	35	26	
SM12L2F	92	125		95	71	67	64	63	61	58	52	42	33
SM12L2A	110	150		100	79	75	73	72	70	67	61	53	44
SM12L3L	110	150		124	93	87	81	77	72	67	54	40	
SM12L3G	132	180		134	101	95	89	85	81	78	67	54	
SM12L3F	132	180	H (mt)	145	108	102	99	96	93	88	79	65	51
SM12L3D	147	200		149	115	109	104	101	98	95	87	73	60
SM12L3A	170	230		153	121	116	112	110	107	103	94	81	68
SM12L4G	170	230		179	135	126	118	113	108	104	90	72	
SM12L4F	170	230		193	144	136	132	128	124	118	106	86	68
SM12L4D	190	260		199	154	145	138	134	130	126	116	97	80
SM12L5G	190	260		224	169	158	148	141	135	130	112	90	
SM12L5F	220	300		242	180	171	165	161	155	148	132	108	85
SM12L5D	250	340		249	192	182	173	168	163	158	145	121	100
SM12L6F	250	340		290	216	205	197	192	186	177	158	130	102
NPSH			mt		1	1,2	1,5	2	2,5	3	4,3	6	8

SM12
12" SUBMERSIBLE PUMPS

NEW


MOTOR 8"

Applications
Multistage mixed-flow bore-hole electric pumps for wells with a diameter of 12" or greater capable of developing a wide range of flows and heads. These pumps can be used in a wide range of lifting, distributing and pressuring applications in civili and industrial supplies, autoclaves and tanks, fire-fighting and washing installations and irrigation systems. Pumped liquid: Clean water without solid or abrasive particles.
Max. quantity of sand: 50g/m^3.
Max. ambient temperature: 30°C.
Construction features of pump
Mixed-flow pumps with external in cast-iron, impellers in bronze. The impellers are dynamically balanced and splined to the shaft with key drive. The shaft is driven by coaxial bearing bushes and fully protected by sleeves to ease disassembling.

The pumps are provided with a built-in non returne valve, threaded, and low friction losses.
Delivery outlet flanged and threaded.
Coupling with 6" or 8" motor depending on the power requested by hydraulic part.
TR8: 8" rewindable submersible motors.
TR10: 10" rewindable submersible motors.
TR12: 12" rewindable submersible motors.
For inverter application refer to the motor specification
On request:
Pump body: Stainless steel microcasted AISI 316 for aggressive water application.
Impellers: bronze.
Version without Non-returne valve for horizontal application.
Non-standard pump/motor coupling.
Same price for AISI 316 stainless steel impellers.

TECHNICAL DATA - SM12E

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m^3/h) (l/min)	0	140	160	200	220	240	260	280	300	320	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	2333	2667	3333	3667	4000	4333	4667	5000	5333			
SM12E1F + TR8 30 KW	60149375	0640000	30	40		44	33	31	27	25	23	20	16	11		61	O	●
SM12E1A + TR8 30 KW	60149376	0640000	30	40		48	37	35	32	30	28	25	22	18	13	61	O	●
SM12E2L + TR8 37 KW	60149377	0650000	37	50		78	55	53	45	41	35	29	22			75	O	●
SM12E2F + TR8 45 KW	60149378	60144582	45	60		88	66	63	55	51	46	40	32	23		92	O	●
SM12E2A + TR8 55 KW	60149379	60144583	55	75		97	74	71	64	61	56	51	44	36	27	109	O	●
SM12E3F + TR8 63 KW	60149380	60144584	62	85		135	101	96	85	78	70	61	50	35		126	O	●
SM12E3D + TR8 75 KW	60149381	60144585	75	100		140	106	102	92	85	78	69	59	45	29	145	O	●
SM12E3A + TR8 92 KW	60149382	60144586	92	125		148	113	109	98	93	86	78	67	55	42	177	O	●
SM12E4D + TR8 92 KW	60149383	60144586	92	125		187	142	136	122	113	104	92	79	60	39	177	O	●
SM12E4A + TR8 110 KW	60149384	60144587	110	150	H (mt)	197	151	145	131	124	114	103	89	73	55	213	O	O
SM12E5D + TR8 110 KW	60149385	60144587	110	150		234	177	170	153	142	130	116	99	75	49	213	O	O
SM12E5A + TR10 132 KW	60149386	60146795	132	180		247	189	182	164	155	143	129	111	92	69	257	O	●
SM12E6D + TR10 147 KW	60149387	60146796	150	200		281	213	204	183	170	156	139	118	90	59	300	O	●
SM12E7F + TR10 147 KW	60149388	60146796	150	200		315	236	223	197	182	163	141	116	81		300	O	●
SM12E7D + TR10 170 KW	60149389	60146843	170	230		327	248	238	214	198	182	162	138	105	69	348	O	●
SM12E8F + TR10 170 KW	60149394	60146843	170	230		360	270	255	226	208	186	162	132	92		348	●	●
SM12E8D + TR10 190 KW	60149395	60146844	192	260		374	284	272	244	226	208	185	158	120	78	405	●	O
SM12E8A + TR12 220 KW	60149396	60146900	220	300		394	302	290	262	247	229	206	178	146	111	424	●	O
SM12E9A + TR12 250 KW	60149397	60146901	250	340		444	340	327	295	278	257	232	200	165	125	481	●	O

● allowed
o on demand

TECHNICAL DATA - SM12G

MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL		Q (m^3/h) (l/min)	0	160	200	240	260	280	300	320	340	360	In 400V [A]	operating by inverter	horizontal instal.
			kW	HP		0	2667	3333	4000	4333	4667	5000	5333	5667	6000			
SM12G1G + TR8 30 KW	60149398	0640000	30	40		43	31	28	25	24	22	19	17	14		61	O	●
SM12G1F + TR8 30 KW	60149420	0640000	30	40		47	33	30	28	26	25	23	20	17	15,0	61	O	●
SM12G1D + TR8 30 KW	60149421	0640000	30	40		49	36	33	30	29	27	25	23	20	17	61	O	●
SM12G1A + TR8 37 KW	60149422	0650000	37	50		52	38	35	32	31	29	27	25	23	20	75	O	●
SM12G2N + TR8 37 KW	60149423	0650000	37	50		74	52	47	41	37	32	27	21	15		75	O	●
SM12G2G + TR8 45 KW	60149424	60144582	45	60		87	62	57	51	48	44	39	34	28		92	O	●
SM12G2D + TR8 55 KW	60149425	60144583	55	75		100	72	66	61	58	55	51	46	41	35	109	O	●
SM12G2A + TR8 63 KW	60149426	60144584	62	85		104	76	70	65	62	59	55	51	46	41	126	O	●
SM12G3F + TR8 75 KW	60149427	60144585	75	100	H (mt)	145	103	94	87	82	76	70	63	54	45	145	O	●
SM12G3A + TR8 92 KW	60149428	60144586	92	125		160	116	107	99	95	90	85	78	71	63	177	O	●
SM12G4D + TR8 110 KW	60149429	60144587	110	150		204	147	134	124	118	112	104	94	84	72	213	O	O
SM12G4A + TR10 132 KW	60149430	60146795	132	180		213	155	143	132	126	120	113	104	94	84	257	O	●
SM12G6G + TR10 132 KW	60149431	60146795	132	180		268	191	174	157	147	134	120	104	87		257	O	●
SM12G6F + TR10 147 KW	60149432	60146796	150	200		291	206	187	174	164	152	140	126	108	90	300	O	●
SM12G6D + TR10 170 KW	60149433	60146843	170	230		306	220	202	186	177	168	156	142	126	108	348	●	●
SM12G7D + TR10 190 KW	60149435	60146844	192	260		357	257	235	217	207	196	182	165	147	126	405	●	O
SM12G7A + TR12 220 KW	60149436	60146900	220	300		372	272	251	231	221	210	197	182	165	147	424	●	O
SM12G8A + TR12 250 KW	60149437	60146901	250	340		426	310	286	264	252	240	226	208	188	168	481	●	O

● allowed
o on demand

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA - SM12H

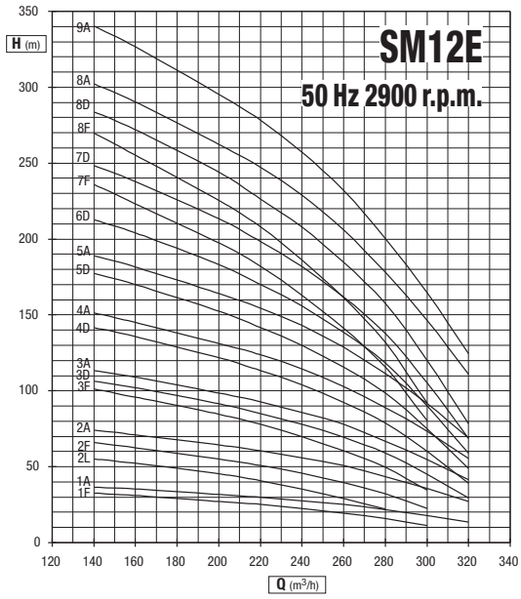
MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h) (l/min)	0	200	250	300	320	340	360	380	400	420	In 400V [A]	operating by inverter	horizontal instal.
						0	3333	4167	5000	5333	5667	6000	6333	6667	7000			
SM12H1N + TR8 30 KW	60149438	0640000	30	40	H (mt)	36	27	24	21	19	17	14	12	9		61	o	●
SM12H1L + TR8 30 KW	60149439	0640000	30	40		40	29	27	24	22	20	18	16	12		61	o	●
SM12H1D + TR8 37 KW	60149445	0650000	37	50		48	36	34	32	30	29	27	25	22		75	o	●
SM12H1A + TR8 45 KW	60149446	60144582	45	60		49	38	36	34	32	31	29	27	25	23	92	o	●
SM12H2N + TR8 55 KW	60149447	60144583	55	75		73	54	49	43	39	34	29	23	17		109	o	●
SM12H2F + TR8 63 KW	60149448	60144584	62	85		92	69	65	59	57	53	49	45	40		126	o	●
SM12H2D + TR8 75 KW	60149449	60144585	75	100		96	74	69	64	62	58	55	50	45		145	o	●
SM12H3N + TR8 75 KW	60149451	60144585	75	100		112	83	75	66	59	52	45	36	27		145	o	●
SM12H3G + TR8 92 KW	60149452	60144586	92	125		132	99	92	83	78	72	65	58	50		177	o	●
SM12H3D + TR8 110 KW	60149453	60144587	110	150		147	113	106	99	94	89	84	77	69		213	o	●
SM12H3A + TR10 132 KW	60149454	60146795	132	180		151	118	111	104	101	96	91	84	78	70	257	o	●
SM12H4G + TR10 132 KW	60149455	60146795	132	180		176	131	122	110	104	96	87	77	66		257	o	●
SM12H4F + TR10 132 KW	60149456	60146795	132	180		188	141	132	121	115	108	101	92	82		257	o	●
SM12H4D + TR10 147 KW	60149457	60146796	150	200		196	150	141	131	126	119	112	102	92		300	o	●
SM12H5G + TR10 147 KW	60149458	60146796	150	200		220	164	153	138	130	120	109	97	83		300	o	●
SM12H5F + TR10 170 KW	60149459	60146843	170	230		235	177	165	152	144	135	126	115	102		348	●	●
SM12H5D + TR10 190 KW	60149460	60146844	192	260		245	188	176	164	157	149	140	128	116		405	●	o
SM12H5A + TR10 190 KW	60149461	60146844	192	260		252	197	185	174	168	160	152	141	130	116	405	●	o
SM12H6F + TR10 190 KW	60149462	60146844	192	260		282	212	198	182	173	162	151	138	122		405	●	o
SM12H6D + TR12 220 KW	60149463	60146900	220	300		294	225	211	197	188	179	167	153	139		424	●	o
SM12H6A + TR12 250 KW	60149464	60146901	250	340		302	236	222	209	201	192	182	169	155	139	481	●	o
SM12H7D + TR12 250 KW	60149465	60146901	250	340		343	263	246	230	220	209	195	179	162		481	●	o
SM12H8F + TR12 250 KW	60149468	60146901	250	340		376	282	264	242	231	216	201	184	163		481	●	o

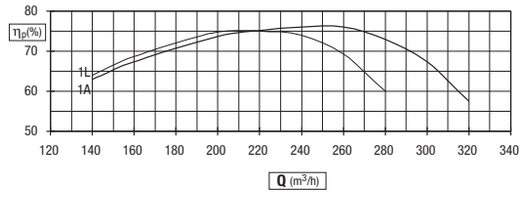
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o on demand

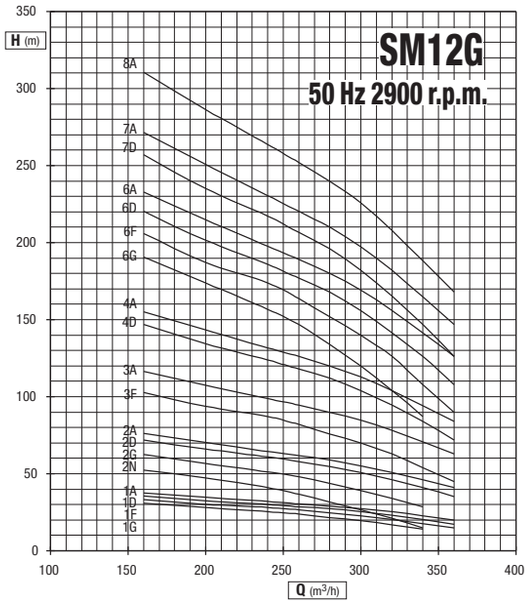
TECHNICAL DATA - SM12L

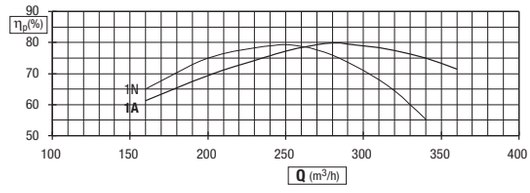
MODEL	HYDRAULIC PART CODE	MOTOR CODE	P2 NOMINAL kW	P2 NOMINAL HP	Q (m³/h) (l/min)	0	250	300	340	360	380	400	440	480	510	In 400V [A]	operating by inverter	horizontal instal.
						0	4167	5000	5667	6000	6333	6667	7333	8000	8500			
SM12L1L + TR8 37 KW	60149469	0650000	37	50	H (mt)	40	30	28	26	25	23	22	17	13		75	o	●
SM12L1F + TR8 45 KW	60149470	60144582	45	60		47	35	33	32	31	30	29	26	21	16	92	o	●
SM12L1A + TR8 55 KW	60149471	60144583	55	75		49	39	37	36	36	35	33	30	26	22	109	o	●
SM12L2N + TR8 63 KW	60149472	60144584	62	85		74	56	51	47	45	42	39	30	19		126	o	●
SM12L2L + TR8 75 KW	60149473	60144585	75	100		81	61	57	53	50	47	44	35	26		145	o	●
SM12L2F + TR8 92 KW	60149474	60144586	92	125		95	71	67	64	63	61	58	52	42	33	177	o	●
SM12L2A + TR8 110 KW	60149475	60144587	110	150		100	79	75	73	72	70	67	61	53	44	213	o	o
SM12L3L + TR8 110 KW	60149476	60144587	110	150		124	93	87	81	77	72	67	54	40		213	o	o
SM12L3G + TR10 132 KW	60149477	60146795	132	180		134	101	95	89	85	81	78	67	54		257	o	●
SM12L3F + TR10 132 KW	60149482	60146795	132	180		145	108	102	99	96	93	88	79	65	51	257	o	●
SM12L3D + TR10 147 KW	60149483	60146796	150	200		149	115	109	104	101	98	95	87	73	60	300	o	●
SM12L3A + TR10 170 KW	60149484	60146843	170	230		153	121	116	112	110	107	103	94	81	68	348	●	●
SM12L4G + TR10 170 KW	60149485	60146843	170	230		179	135	126	118	113	108	104	90	72		348	●	●
SM12L4F + TR10 170 KW	60149486	60146843	170	230		193	144	136	132	128	124	118	106	86	68	348	●	●
SM12L4D + TR10 190 KW	60149487	60146844	192	260		199	154	145	138	134	130	126	116	97	80	405	●	o
SM12L5G + TR10 190 KW	60149488	60146844	192	260		224	169	158	148	141	135	130	112	90		405	●	o
SM12L5F + TR12 220 KW	60149489	60146900	220	300		242	180	171	165	161	155	148	132	108	85	424	●	o
SM12L5D + TR12 250 KW	60149490	60146901	250	340		249	192	182	173	168	163	158	145	121	100	481	●	o
SM12L6F + TR12 250 KW	60149491	60146901	250	340		290	216	205	197	192	186	177	158	130	102	481	●	o

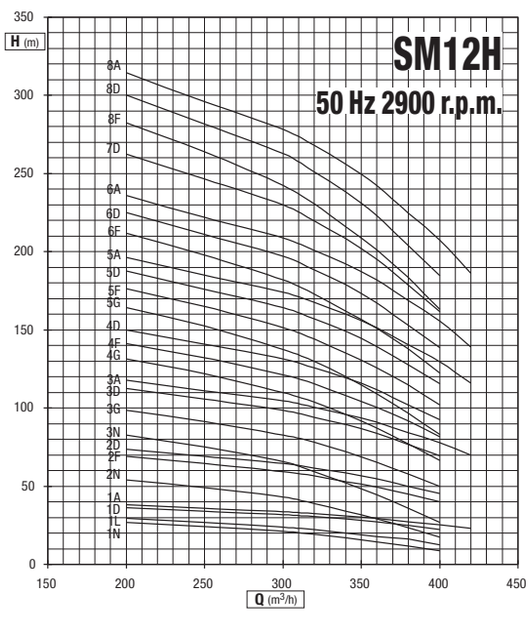
● allowed
o on demand

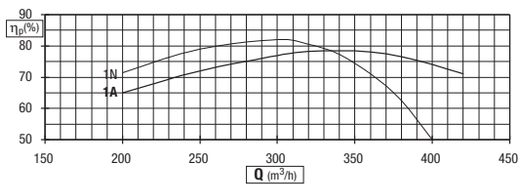

SM12E
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
9A
8A
8D
8F
7D
7F
6D
5A
5D
4A
4D
3A
3D
3F
2A
2F
2L
1A
1F

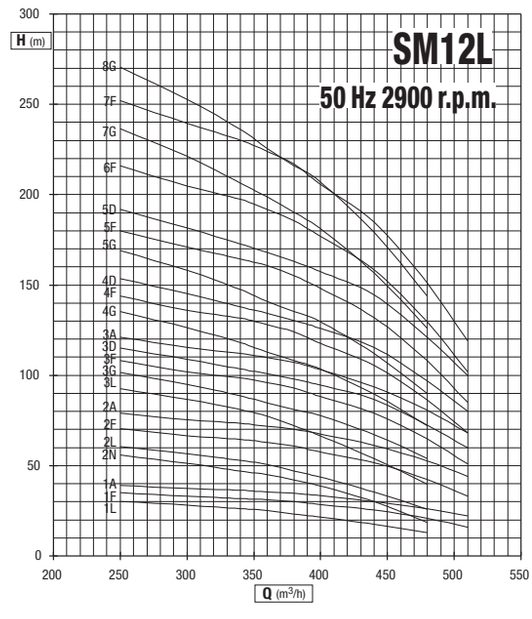

ηp(%)
Q (m³/h)
1L
1A

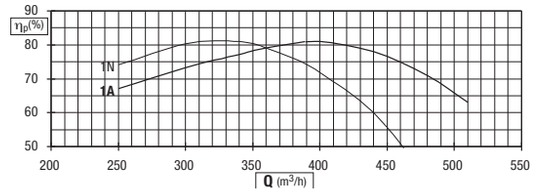

SM12G
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
8A
7A
7D
6A
6D
6F
6G
4A
4D
3A
3F
2A
2D
2G
2N
1A
1D
1F
1G


ηp(%)
Q (m³/h)
1N
1A

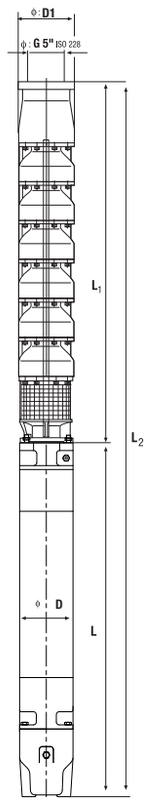

SM12H
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
8A
8D
8F
7D
6A
6D
6F
5A
5D
5F
5G
4D
4F
4G
3A
3D
3G
3N
2D
2F
2N
1A
1D
1L
1N

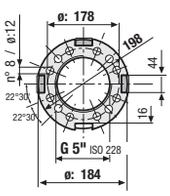

ηp(%)
Q (m³/h)
1N
1A


SM12L
50 Hz 2900 r.p.m.
H (m)
Q (m³/h)
8G
7F
7G
6F
5D
5F
5G
4D
4F
4G
3A
3D
3F
3G
3L
2A
2F
2L
2N
1A
1F
1L


ηp(%)
Q (m³/h)
1N
1A

DIMENSIONS AND WEIGHTS





DIMENSIONS AND WEIGHTS - SM12E

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM12E1F + TR840 30 kW	881	1010	1891	192	290	241
SM12E1A + TR840 30 kW	881	1050	1931	192	290	249
SM12E2L + TR850 37 kW	1061	1160	2221	192	290	298
SM12E2F + TR860 45 kW	1061	1270	2331	192	290	319
SM12E2A + TR875 55 kW	1061	1350	2411	192	290	334
SM12E3F + TR885 62 kW	1241	1490	2731	192	290	387
SM12E3D + TR8100 75 kW	1241	1590	2831	192	290	406
SM12E3A + TR8125 92 kW	1241	1830	3071	192	290	452
SM12E4D + TR8125 92 kW	1421	1830	3251	192	290	479
SM12E4A + TR8150 110 kW	1421	2060	3481	192	290	529
SM12E5D + TR8150 110 kW	1601	2060	3661	192	290	556
SM12E5A + TR10180 132 kW	1601	1870	3471	232	290	663
SM12E6D + TR10200 150 kW	1781	2070	3851	232	290	755
SM12E7F + TR10200 150 kW	1961	2070	4031	232	290	782
SM12E7D + TR10230 170 kW	1961	2220	4181	232	290	822
SM12E8F + TR10230 170 kW	2141	2220	4361	232	290	849
SM12E8D + TR10260 192 kW	2141	2400	4541	232	290	889
SM12E8A + TR12300 220 kW	2167	2110	4277	286	290	1019
SM12E9A + TR12340 250 kW	2347	2280	4627	286	290	1121

DIMENSIONS AND WEIGHTS - SM12G

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM12G1G + TR840 30 kW	881	1010	1891	192	290	241
SM12G1F + TR840 30 kW	881	1050	1931	192	290	249
SM12G1D + TR840 30 kW	881	1110	1991	192	290	261
SM12G1A + TR850 37 kW	881	1160	2041	192	290	271
SM12G2N + TR850 37 kW	1061	1160	2221	192	290	298
SM12G2G + TR860 45 kW	1061	1270	2331	192	290	319
SM12G2D + TR875 55 kW	1061	1350	2411	192	290	334
SM12G2A + TR885 62 kW	1061	1490	2551	192	290	360
SM12G3F + TR8100 75 kW	1241	1590	2831	192	290	406
SM12G3A + TR8125 92 kW	1241	1830	3071	192	290	452
SM12G4D + TR8150 110 kW	1421	2060	3481	192	290	529
SM12G4A + TR10180 132 kW	1421	1870	3291	232	290	631
SM12G6G + TR10180 132 kW	1781	1870	3651	232	290	690
SM12G6F + TR10200 150 kW	1781	2070	3851	232	290	755
SM12G6D + TR10230 170 kW	1781	2220	4001	232	290	795
SM12G7D + TR10260 192 kW	1961	2400	4361	232	290	862
SM12G7A + TR12300 220 kW	1987	2110	4097	286	290	992
SM12G8A + TR12340 250 kW	2167	2280	4447	286	290	1094

DIMENSIONS AND WEIGHTS - SM12H

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM12H1N + TR840 30 kW	881	1050	1931	192	290	249
SM12H1L + TR840 30 kW	881	1110	1991	192	290	261
SM12H1D + TR850 37 kW	881	1160	2041	192	290	271
SM12H1A + TR860 45 kW	881	1270	2151	192	290	292
SM12H2N + TR875 55 kW	1061	1350	2411	192	290	334
SM12H2F + TR885 62 kW	1061	1490	2551	192	290	360
SM12H2D + TR8100 75 kW	1061	1590	2651	192	290	379
SM12H3N + TR8100 75 kW	1241	1590	2831	192	290	406
SM12H3G + TR8125 92 kW	1241	1830	3071	192	290	452
SM12H3D + TR8150 110 kW	1241	2060	3301	192	290	502
SM12H3A + TR10180 132 kW	1241	1870	3111	232	290	609
SM12H4G + TR10180 132 kW	1421	1870	3291	232	290	636
SM12H4F + TR10180 132 kW	1421	1870	3291	232	290	636
SM12H4D + TR10200 150 kW	1421	2070	3491	232	290	701
SM12H5G + TR10200 150 kW	1601	2070	3671	232	290	728
SM12H5F + TR10230 170 kW	1601	2220	3821	232	290	768
SM12H5D + TR10260 192 kW	1601	2400	4001	232	290	808
SM12H5A + TR10260 192 kW	1601	2400	4001	232	290	808
SM12H6F + TR10260 192 kW	1781	2400	4181	232	290	835
SM12H6D + TR12300 220 kW	1807	2110	3917	286	290	965
SM12H6A + TR12340 250 kW	1807	2280	4087	286	290	1040
SM12H7D + TR12340 250 kW	1987	2280	4267	286	290	1067
SM12H8F + TR12340 250 kW	2167	2280	4447	286	290	1094

DIMENSIONS AND WEIGHTS - SM12L

MODEL	L1 [mm]	L [mm]	L2 [mm]	D [mm]	D1 [mm]	Weight tot [kg]
SM12L1L + TR850 37 kW	881	1160	2041	192	290	271
SM12L1F + TR860 45 kW	881	1270	2151	192	290	292
SM12L1A + TR875 55 kW	881	1350	2231	192	290	307
SM12L2N + TR885 62 kW	1061	1490	2551	192	290	360
SM12L2L + TR8100 75 kW	1061	1590	2651	192	290	379
SM12L2F + TR8125 92 kW	1061	1830	2891	192	290	425
SM12L2A + TR8150 110 kW	1061	2060	3121	192	290	475
SM12L3L + TR8150 110 kW	1241	2060	3301	192	290	502
SM12L3G + TR10180 132 kW	1241	1870	3111	232	290	609
SM12L3F + TR10180 132 kW	1241	1870	3111	232	290	609
SM12L3D + TR10200 150 kW	1241	2070	3311	232	290	674
SM12L3A + TR10230 170 kW	1241	2220	3461	232	290	714
SM12L4G + TR10230 170 kW	1421	2220	3641	232	290	741
SM12L4F + TR10230 170 kW	1421	2220	3641	232	290	741
SM12L4D + TR10260 192 kW	1421	2400	3821	232	290	781
SM12L5G + TR10260 192 kW	1601	2400	4001	232	290	808
SM12L5F + TR12300 220 kW	1601	2110	3711	286	290	928
SM12L5D + TR12340 250 kW	1601	2280	3881	286	290	1003
SM12L6F + TR12340 250 kW	1781	2280	4061	286	290	1030

DAB PUMPS reserves the right to make modifications without notice

SERIE 6GF / 6GX
6" SUBMERSIBLE MOTORS



Submersible asynchronous 6" two-pole motor made of AISI 304 stainless steel and cast iron with electrophoresic surface treatment for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and the bushings is provided by a mixture of water and glycol.
Rotor mounted on Kingsbury self-centring thrust block to withstand significant axial loads.
Stator in an airtight casing in stainless steel.
The cable connector can be removed to guarantee rapid and easy maintenance operations.

ACS, WRAS and KTW certified cable.
Motor suitable for use with variable frequency drive (30Hz-50Hz). Available in three-phase version with DOL or STAR-DELTA starting; motor protection must be assured by the user.
Version 6GX is available on request, in AISI 316 throughout and with mechanical seal in silicon carbide. The motor can be supplied with a PT100 temperature sensor.

TECHNICAL DATA - 6GF / 6GX Direct Starting

MODEL	STANDARD CODE	MODEL	AISI 316 CODE
6GF - 4 kW	0605500	6GX - 4 kW	60141626
6GF - 5,5 kW	0607500	6GX - 5,5 kW	60141627
6GF - 7,5 kW	0610000	6GX - 7,5 kW	60121376
6GF - 9,2 kW	0612500	6GX - 9,2 kW	60141628
6GF - 11 kW	0615000	6GX - 11 kW	60131136
6GF - 15 kW	0620000	6GX - 15 kW	60141629
6GF - 18,5 kW	0625000	6GX - 18,5 kW	60141630
6GF - 22 kW	0630000	6GX - 22 kW	60141631
6GF - 30 kW	0640000	6GX - 30 kW	60141632
6GF - 37 kW	0650000	6GX - 37 kW	60141633

P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
5,5	4	3 x 400 V~	10,6	4,1	5290	2845	0,75	76	4x4	4
7,5	5,5	3 x 400 V~	14	4,6	7270	2845	0,75	76	4x4	4
10	7,5	3 x 400 V~	18	4,1	9550	2840	0,78	78	4x4	4
12,5	9,2	3 x 400 V~	22	3,9	11460	2840	0,8	80	4x4	4
15	11	3 x 400 V~	25,5	4,4	13860	2840	0,82	79	4x4	4
20	15	3 x 400 V~	33,4	4,8	17960	2840	0,8	83	4x4	4
25	18,5	3 x 400 V~	41	5,2	22300	2845	0,8	83	4x4	4
30	22	3 x 400 V~	47	5,1	26500	2825	0,84	83	4x4	4
40	30	3 x 400 V~	61,5	4,6	35130	2830	0,85	85	4x8	4
50	37	3 x 400 V~	79,3	3,7	44200	2830	0,84	82	4x8	4

cable included

Available on request Voltage 3 x 230 V version up to 22 kW

TECHNICAL DATA - 6GF / 6GX Star/Delta Starting

MODEL	STANDARD CODE	MODEL	AISI 316 CODE
6GF - 4 kW	0605620	6GX - 4 kW	60141634
6GF - 5,5 kW	0607510	6GX - 5,5 kW	60141635
6GF - 7,5 kW	0611750	6GX - 7,5 kW	60141636
6GF - 9,2 kW	0614000	6GX - 9,2 kW	60141637
6GF - 11 kW	0617500	6GX - 11 kW	60141638
6GF - 15 kW	0622500	6GX - 15 kW	60141639
6GF - 18,5 kW	0627500	6GX - 18,5 kW	60141640
6GF - 22 kW	0632400	6GX - 22 kW	60133153
6GF - 30 kW	0642500	6GX - 30 kW	60141641
6GF - 37 kW	0650005	6GX - 37 kW	60141642

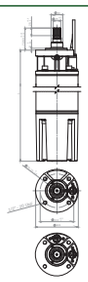
P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
5,5	4	3 x 400 V~	10,6	4,1	5290	2845	0,75	76	4x4	4
7,5	5,5	3 x 400 V~	14	4,6	7270	2845	0,75	76	4x4	4
10	7,5	3 x 400 V~	18	4,1	9550	2840	0,78	78	4x4	4
12,5	9,2	3 x 400 V~	22	3,9	11460	2840	0,8	80	4x4	4
15	11	3 x 400 V~	25,5	4,4	13860	2840	0,82	79	4x4	4
20	15	3 x 400 V~	33,4	4,8	17960	2840	0,8	83	4x4	4
25	18,5	3 x 400 V~	41	5,2	22300	2845	0,8	83	4x4	4
30	22	3 x 400 V~	47	5,1	26500	2825	0,84	83	4x4	4
40	30	3 x 400 V~	61,5	4,6	35130	2830	0,85	85	4x8	4
50	37	3 x 400 V~	79,3	3,7	44200	2830	0,84	82	4x8	4

2 cables included

Available on request Voltage 3 x 230 V version up to 22 kW

DIMENSIONS AND WEIGHTS

L (mm)	WEIGHT (Kg)	AXIAL THRUST (N)
600	39,5	16000
631	43,2	16000
660	45,5	16000
685	49	16000
730	53	16000
785	59	16000
860	66,5	16000
920	72,5	16000
1050	85	27000
1180	98	27000



CE

6” submerged motor, two -pole asynchronous type with hermetically sealed stator (special resin filled stator);
The axial and radial bearings, lubricated by the water, enable maintenance-free operation. The motor are prefilled with antifreeze. Pressure compensation inside the motor is ensured by a special diaphragm. Sand protection and mechanical seal designed to enable optimum operation in the presence of sand.

All motors are supplied with power supply cable removable (2 cables for star/delta starting).
- NEMA 6” flange.
- Power supply voltage: 50 Hz 380V-415V.
- Protection level: IP 68.
- Insulation class: F.
- Vertical and horizontal operation.

TECHNICAL DATA - DIrect Starting

MODEL	CODE	P2 kW	VOLTAGE 50 Hz	WEIGHT KG.
6 “- 4 kW	60110277	4	3 x 380-415V~	40
6” - 5,5 kW	60110278	5,5	3 x 380-415V~	46
6 “- 7,5 kW	60110280	7,5	3 x 380-415V~	48
6”- 9,2 kW	60110281	9,2	3 x 380-415V~	52
6 “- 11 kW	60110282	11	3 x 380-415V~	55
6”- 15 kW	60110283	15	3 x 380-415V~	60
6”- 18,5 kW	60110284	18,5	3 x 380-415V~	66
6” - 22 kW	60110291	22	3 x 380-415V~	73
6-” 30 kW	60110292	30	3 x 380-415V~	86

cable included

TECHNICAL DATA - Star/Delta Starting

MODEL	CODE	P2 kW	VOLTAGE 50 Hz	WEIGHT KG.
6” - 4 kW	60110295	4	3 x 380-415V~	40
6 “- 5,5 kW	60110297	5,5	3 x 380-415V~	46
6” - 7,5 kW	60110298	7,5	3 x 380-415V~	48
6”- 9,2 kW	60110299	9,2	3 x 380-415V~	52
6” - 11 kW	60110300	11	3 x 380-415V~	55
6”- 15 kW	60110301	15	3 x 380-415V~	60
6”- 18,5 kW	60110302	18,5	3 x 380-415V~	66
6 “- 22 kW	60110303	22	3 x 380-415V~	73
6”- 30 kW	60110304	30	3 x 380-415V~	86

2 cables included

SERIE TR6
6" SUBMERSIBLE MOTORS

NEW



6"Asynchronous two-poles submersible motor, rewindable type, made in AISI 304 stainless steel and cast iron with paint coating (standard version).
Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing.
The motor is available also in full stainless steel AISI 316 version or AISI 904 version. Mechanical seal in ceramic/ carbon for the standard version, in silicon/ carbide for the AISI 316 stainless steel version.
On request it's available also a version suitable for use with variable frequency drive (30 Hz –60 Hz).
The motor is equipped with 5 meters three-core flat cable directly connected with the windings and a ground cable, and it's available with DOL or STAR-DELTA starting type.
The cable is certifi ed ACS and WRAS. Overload protection must be provided by user. On request PT100 and PTC temperature sensors are available.
AVAILABLE ON REQUEST A PE2 + PA WINDING VERSION FOR INVERTER APPLICATION.

TECHNICAL DATA - Direct Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min⁻¹)	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm²	LC (m)
TR607	60144263	60146624	7,5	5,5	3x400 V~	13,7	3,5	7237	2870	0,77	76	4x6	5
TR610	60144264	60146625	10	7,5	3x400 V~	18,2	3,6	9740	2860	0,78	77	4x6	5
TR612	60144265	60146626	12,5	9,2	3x400 V~	21,7	3,5	11795	2850	0,79	78	4x6	5
TR615	60144266	60146627	15	11	3x400 V~	26,2	3,7	14103	2860	0,79	78	4x6	5
TR617	60144267	60146628	17,5	13	3x400 V~	30,5	3,8	16456	2850	0,79	79	4x6	5
TR620	60144268	60146629	20	15	3x400 V~	34,8	4,2	18987	2860	0,80	79	4x6	5
TR625	60144269	60146630	25	18,5	3x400 V~	41,4	4,5	22840	2860	0,80	81	4x6	5
TR630	60144270	60146631	30	22	3x400 V~	49,0	5,5	26634	2880	0,79	82,6	4x6	5
TR635	60144271	60146632	35	26	3x400 V~	58,1	5,7	31250	2880	0,78	83,2	4x6	5
TR640	60144272	60146633	40	30	3x400 V~	64,9	5,0	35928	2870	0,81	83,5	4x10	5
TR650	60144273	60146634	50	37	3x400 V~	80,5	5,1	44848	2860	0,81	82,5	4x10	5

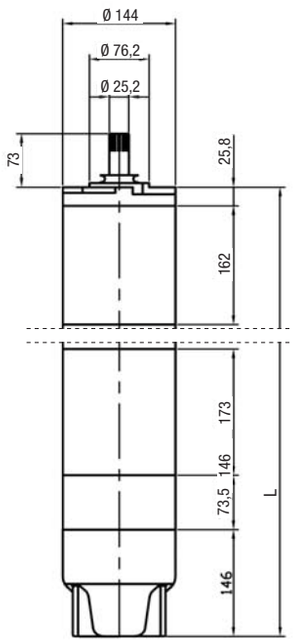
cable included

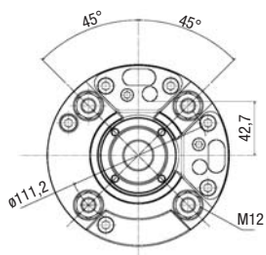
TECHNICAL DATA - Star/Delta Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min⁻¹)	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm²	LC (m)
TR615	60144277	60146635	15	11	3x400 V~	26,2	3,7	14103	2860	0,79	78	4x6	5
TR617	60144278	60146636	17,5	13	3x400 V~	30,5	3,8	16456	2850	0,79	79	4x6	5
TR620	60144279	60146637	20	15	3x400 V~	34,8	4,2	18987	2860	0,80	79	4x6	5
TR625	60144280	60146638	25	18,5	3x400 V~	41,4	4,5	22840	2860	0,80	81	4x6	5
TR630	60144281	60146639	30	22	3x400 V~	49,0	5,5	26634	2880	0,79	82,6	4x6	5
TR635	60144282	60146640	35	26	3x400 V~	58,1	5,7	31250	2880	0,78	83,2	4x6	5
TR640	60144283	60146641	40	30	3x400 V~	64,9	5,0	35928	2870	0,81	83,5	4x6	5
TR650	60144284	60146642	50	37	3x400 V~	80,5	5,1	44848	2860	0,81	82,5	4x6	5

2 cables included

DIMENSIONS AND WEIGHTS



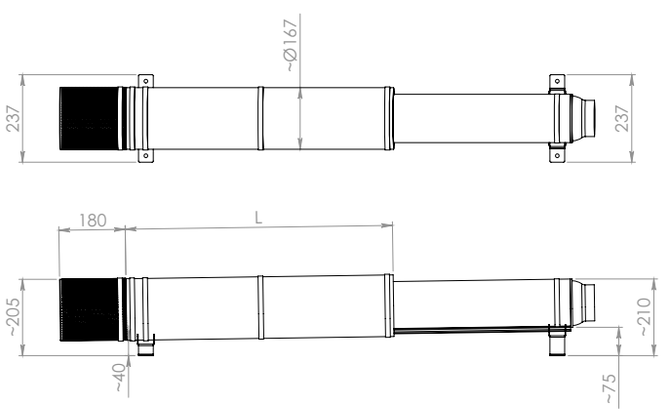


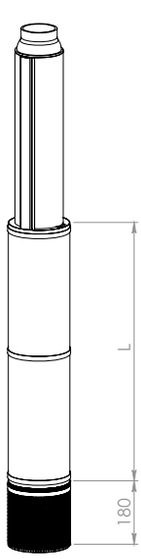
MODEL	L mm	Weight Kg	Axial thrust N
TR607	660	48	15000
TR610	690	50	15000
TR612	720	55	15000
TR615	780	60	15000
TR617	850	72	15000
TR620	910	78	15000
TR625	1085	90	27500
TR630	1195	100	27500
TR635	1315	115	27500
TR640	1425	125	27500
TR650	1425	125	27500

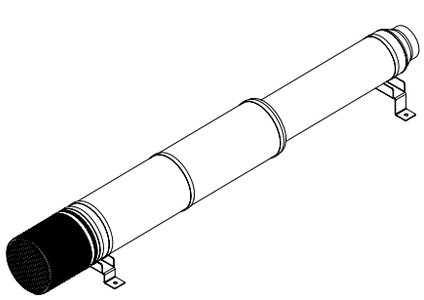
COOLING SLEEVE FOR 6” MOTOR
SELECTION TABLE

Cooling sleeves kit, different lenght, to be used to assure a perfect cooling of the 6” motors when installing the pump inside tank or where a minimum cooling flow is not granted.
The sleeve choice must be done according to power and type of teh motor as stated by the following table.a

VOLTAGE 50 Hz	MOTOR POWER		MOTOR TYPE	
	HP	kW	6GF-6GX	TR6
THREEPHASE	5,5	4	COOLING KIT 725 cod. 60144213	
	7,5	5,5		COOLING KIT 960 cod. 60144217
	10	7,5		
	12,5	9,3		
	15	11	COOLING KIT 960 cod. 60144217	
	17,5	13		COOLING KIT 1220 cod. 60144218
	20	15		
	25	18,5		
	30	22		
	35	26	COOLING KIT 1220 cod. 60144218	
	40	30		COOLING KIT 1490 cod. 60146397
	50	37		







MODEL	CODE
COOLING SLEEVE KIT L. 725	60144213
COOLING SLEEVE KIT L. 960	60144217
COOLING SLEEVE KIT L. 1.220	60144218
COOLING SLEEVE KIT L. 1.490	60146397
HORIZONTAL POSITIONING KIT	60146398
FILTER KIT	60146399

SERIE TR8

8" SUBMERSIBLE MOTORS

NEW

CE



tesla DWT GROUP

8" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version). Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing. The motor is available also in full stainless steel AISI 316 version or AISI 904 version. Mechanical seal in silicon/carbide.

On request it's available also a version suitable for use with variable frequency drive.
The motor is equipped with 5 meters three-core flat cable directly connected with the windings and it's available with DOL or STAR-DELTA starting type. The cable is certifi ed ACS and WRAS. Overload protection must be provided by user.
On request PT100 and PTC temperature sensors.
AVAILABLE ON REQUEST A PE2 + PA WINDING VERSION FOR INVERTER APPLICATION.

TECHNICAL DATA - Direct Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm^2	LC (m)
TR840 30KW	60144580	60146726	40	30	3 x 400 V ~	61	5,7	35714	2890	0,85	84	4x16	5
TR850 37KW	60144581	60146727	50	37	3 x 400 V ~	75	5,7	44048	2890	0,85	84	4x16	5
TR860 45kW	60144582	60146728	60	45	3 x 400 V ~	92	6,0	52326	2910	0,82	86	4x16	5
TR875 55KW	60144583	60146729	75	55	3 x 400 V ~	109	5,9	63953	2900	0,85	86	4x16	5
TR885 63KW	60144584	60146730	85	63	3 x 400 V ~	126	5,7	72414	2910	0,83	87	4x16	5
TR8100 75KW	60144585	60146731	100	75	3 x 400 V ~	145	5,8	86207	2910	0,86	87	4x16	5
TR8125 92KW	60144586	60146732	125	92	3 x 400 V ~	177	5,9	105747	2890	0,86	87	4x25	5
TR8150 110KW	60144587	60146733	150	110	3 x 400 V ~	213	5,8	126437	2890	0,87	87	4x25	5

cable included

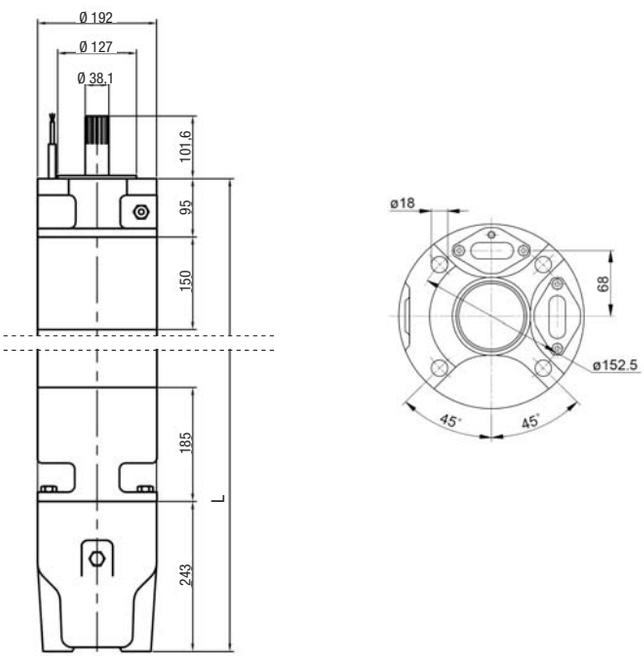
TECHNICAL DATA - Star/Delta Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm^2	LC (m)
TR840 30KW	60144590	60146734	40	30	3 x 400 V ~	61	5,7	35714	2890	0,85	84	4x10	5
TR850 37KW	60144591	60146735	50	37	3 x 400 V ~	75	5,7	44048	2890	0,85	84	4x10	5
TR860 45kW	60144592	60146736	60	45	3 x 400 V ~	92	6,0	52326	2910	0,82	86	4x10	5
TR875 55KW	60144593	60146737	75	55	3 x 400 V ~	109	5,9	63953	2900	0,85	86	4x16	5
TR885 63KW	60144594	60146738	85	63	3 x 400 V ~	126	5,7	72414	2910	0,83	87	4x16	5
TR8100 75KW	60144595	60146739	100	75	3 x 400 V ~	145	5,8	86207	2910	0,86	87	4x16	5
TR8125 92KW	60144596	60146740	125	92	3 x 400 V ~	177	5,9	105747	2890	0,86	87	4x16	5
TR8150 110KW	60144597	60146741	150	110	3 x 400 V ~	213	5,8	126437	2890	0,87	87	4x16	5

2 cables included

DAB PUMPS reserves the right to make modifications without notice

DIMENSIONS AND WEIGHTS



MODEL	L mm	Weight Kg	Axial thrust N
TR840 30KW	1110	146	60000
TR850 37KW	1160	156	60000
TR860 45kW	1270	177	60000
TR875 55KW	1350	192	60000
TR885 63KW	1490	218	60000
TR8100 75KW	1590	237	60000
TR8125 92KW	1830	283	60000
TR8150 110KW	2060	333	60000

SERIE TR10

10" SUBMERSIBLE MOTORS

NEW



10" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version). Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing. The motor is available also in full stainless steel AISI 316 version or AISI 904 version. Mechanical seal in silicon/carbide.
On request it's available also a version suitable for use with variable frequency drive.

The motor is equipped with 8 meters single-core flat cables directly connected with the windings and it's available with DOL or STAR-DELTA starting type. The cables are certifi ed ACS and WRAS. Overload protection must be provided by user. On request PT100 and PTC temperature sensors are available.
(TR10 230 e TR10 260 standard in PE2 +PA)
AVAILABLE ON REQUEST A PE2 + PA WINDING VERSION FOR INVERTER APPLICATION.

TECHNICAL DATA - Direct Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min⁻¹)	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm²	LC (m)
TR10100 75KW	60146792	60146818	100	75	3 x 400 V ~	148	5,4	86207	2910	0,84	87	4x50	8
TR10125 92KW	60146793	60146819	125	92	3 x 400 V ~	185	5,6	105747	2910	0,82	87	4x50	8
TR10150 110KW	60146794	60146820	150	110	3 x 400 V ~	217	5,7	125000	2910	0,84	88	4x50	8
TR10180 132KW	60146795	60146821	180	132	3 x 400 V ~	257	5,7	150000	2910	0,84	88	4x50	8
TR10200 147KW	60146796	60146822	200	147	3 x 400 V ~	300	6,2	168966	2920	0,81	87	4x50	8
TR10230 170KW	60146843	60146857	230	170	3 x 400 V ~	348	6,0	195402	2920	0,81	87	4x50	8
TR10260 190KW	60146844	60146858	260	190	3 x 400 V ~	405	5,9	218391	2930	0,79	87	4x50	8

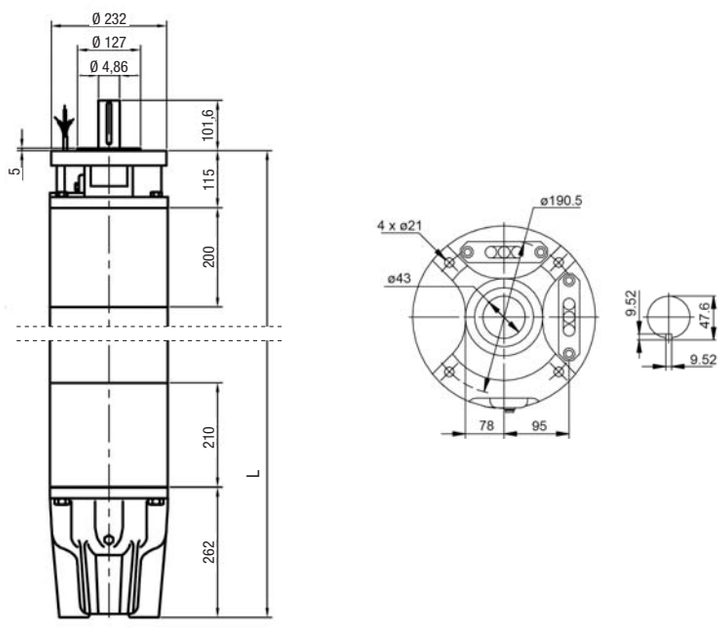
cable included

TECHNICAL DATA - Star/Delta Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min⁻¹)	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm²	LC (m)
TR10100 75KW	60146797	60146823	100	75	3 x 400 V ~	148	5,4	86207	2910	0,84	87	4x35	8
TR10125 92KW	60146798	60146824	125	92	3 x 400 V ~	185	5,6	105747	2910	0,82	87	4x35	8
TR10150 110KW	60146815	60146825	150	110	3 x 400 V ~	217	5,7	125000	2910	0,84	88	4x35	8
TR10180 132KW	60146816	60146826	180	132	3 x 400 V ~	257	5,7	150000	2910	0,84	88	4x35	8
TR10200 147KW	60146817	60146827	200	147	3 x 400 V ~	300	6,2	168966	2920	0,81	87	4x35	8
TR10230 170KW	60146850	60146864	230	170	3 x 400 V ~	348	6,0	195402	2920	0,81	87	4x35	8
TR10260 190KW	60146851	60146865	260	190	3 x 400 V ~	405	5,9	218391	2930	0,79	87	4x35	8

2 cables included

DIMENSIONS AND WEIGHTS



MODEL	L mm	Weight Kg	Axial thrust N
TR10100 75KW	1400	280	60000
TR10125 92KW	1500	330	60000
TR10150 110KW	1690	385	60000
TR10180 132KW	1870	435	60000
TR10200 147KW	2070	500	60000
TR10230 170KW	2220	540	60000
TR10260 190KW	2400	580	60000

SERIE TR12

12" SUBMERSIBLE MOTORS



NEW

CE

tesla DWT GROUP

12" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version). Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing. The motor is available also in full stainless steel AISI 316 version. Mechanical seal in silicon/carbide.
On request it's available also a version suitable for use with variable frequency drive.

The motor is equipped with 8 meters single-core flat cables directly connected with the windings and it's available with DOL or STAR-DELTA starting type.
The cables are certifi ed ACS and WRAS. Overload protection must be provided by user.
On request PT100 and PTC temperature sensors are available.
(TR12300 e TR12340 e TR400 standard in PE2 +PA)
AVAILABLE ON REQUEST A PE2 + PA WINDING VERSION FOR INVERTER APPLICATION.

TECHNICAL DATA - Direct Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm^2	LC (m)
TR12180 132KW	60146880	60146888	180	132	3x400 V~	266	5.0	151000	2930	0,82	88	4x6	5
TR12200 147KW	60146881	60146889	200	147	3x400 V~	290	6,2	167045	2930	0,83	88	4x70	8
TR12230 170KW	60146882	60146890	230	170	3x400 V~	329	6,1	193182	2920	0,85	88	4x70	8
TR12260 190KW	60146883	60146891	260	190	3x400 V~	371	6,2	215909	2930	0,84	88	4x70	8
TR12300 220KW	60146900	60146914	300	220	3x400 V~	424	6,1	250000	2920	0,85	88	4x70	8
TR12340 250KW	60146901	60146915	340	250	3x400 V~	481	5,9	284091	2920	0,85	88	4x70	8
TR12400 300KW	60146902	60146916	400	300	3x400 V~	573	5,9	342000	2905	0,87	88	4x70	8

cable included

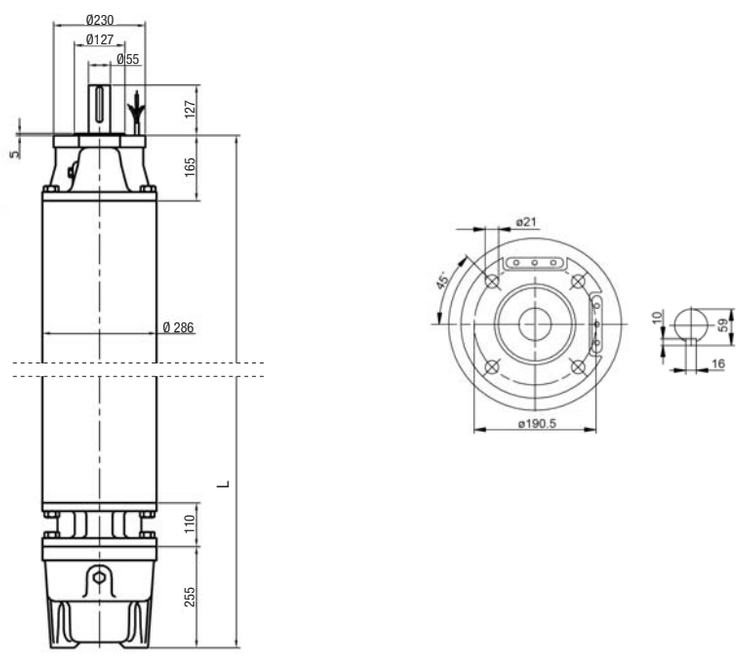
TECHNICAL DATA - Star/Delta Starting

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE	
	CODE	CODE										Ø mm^2	LC (m)
TR12180 132KW	60146884	60146892	180	132	3x400 V~	266	5.0	151000	2930	0,82	88	4x6	5
TR12200 147KW	60146885	60146893	200	147	3x400 V~	290	6,2	167045	2930	0,83	88	4x70	8
TR12230 170KW	60146886	60146894	230	170	3x400 V~	329	6,1	193182	2920	0,85	88	4x70	8
TR12260 190KW	60146887	60146895	260	190	3x400 V~	371	6,2	215909	2930	0,84	88	4x70	8
TR12300 220KW	60146907	60146921	300	220	3x400 V~	424	6,1	250000	2920	0,85	88	4x70	8
TR12340 250KW	60146908	60146922	340	250	3x400 V~	481	5,9	284091	2920	0,85	88	4x70	8
TR12400 300KW	60146909	60146923	400	300	3x400 V~	573	5,9	342000	2905	0,87	88	4x70	8

2 cables included

DAB PUMPS reserves the right to make modifications without notice

DIMENSIONS AND WEIGHTS



MODEL	L smm	Weight Kg	Axial thrust N
TR12180 132KW	1700	510	70000
TR12200 147KW	1790	565	70000
TR12230 170KW	1880	605	70000
TR12260 190KW	1980	650	70000
TR12300 220KW	2110	700	70000
TR12340 250KW	2280	775	70000
TR12400 300KW	2390	870	70000

INDEX - PRESSURE UNITS



2 JET
SETS WITH 2 SELF-PRIMING PUMPS
C1 PAG. 458



2 EURO / 2 EUROINOX
SETS WITH 2 HORIZONTAL MULTISTAGE EURO
C1 PAG. 460



1/2/3 KVC
SETS WITH 1/2/3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS
C3 PAG. 462



1/2/3 KVCX
SETS WITH 1/2/3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS
C3 PAG. 468



1/2/3 KV 3 - 6 -10
SETS WITH 1 VERTICAL MULTISTAGE PUMPS
C3 PAG. 474



1/2/3 NKV
SETS WITH VERTICAL AXIS MULTISTAGE CENTRIFUGAL PUMPS
C2 PAG. 479



1/2/3 KV 50
WITH MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS
PAG. 484



DOMESTIC PUMPS SETS WITH ACTIVE DRIVER
CONSTANT PRESSURE SETS
BY PAG. 488



KV AD 3/6/10
CONSTANT PRESSURE SETS WITH ACTIVE DRIVER
BY PAG. 497



2 /3 NKV AD 3-6-10
CONSTANT PRESSURE SETS WITH ACTIVE DRIVER
BY PAG. 500



2/3 NKVE 10/15 /20 MCE
CONSTANT PRESSURE SETS WITH MCE/P
BY PAG. 502



2/3 KVE 3 - 6 -10
SETS WITH 2-3 MULTISTAGE CENTRIFUGAL PUMPS ON A VERTICAL AXIS
BZ PAG. 504



2/3 NKVE
SETS WITH MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS
BZ PAG. 505



2/3 KVE 50
SETS WITH MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS
BZ PAG. 509



2 K
SETS WITH CENTRIFUGAL PUMPS TWIN IMPELLER
C1 PAG. 510



1/2/3 NKP-G / K
SETS WITH CENTRIFUGAL PUMPS K - NKP
C4 PAG. 511



2/3 KE
SETS WITH SINGLE IMPELLER CENTRIFUGAL PUMPS
BZ PAG. 523



1 KDN
FIRE -FIGHTING BOOSTER SETS WITH ELECTRIC PUMP AND DIESEL PUMP
C5 PAG. 526



1/2 NKV
FIRE -FIGHTING BOOSTER SETS WITH VERTICAL NKV PUMPS
C6 PAG. 533

2 JET
SETS WITH 2 SELF-PRIMING PUMPS



Booster sets with 2 self-priming JET pumps complete with base, suction and delivery manifold and 2 membrane vessels.

ELECTRICAL PANEL

Automatic inverter for exchanging the order of pump starting at each start-up

Main switch. Float or pressure switch can be inserted as protection against operation without water.

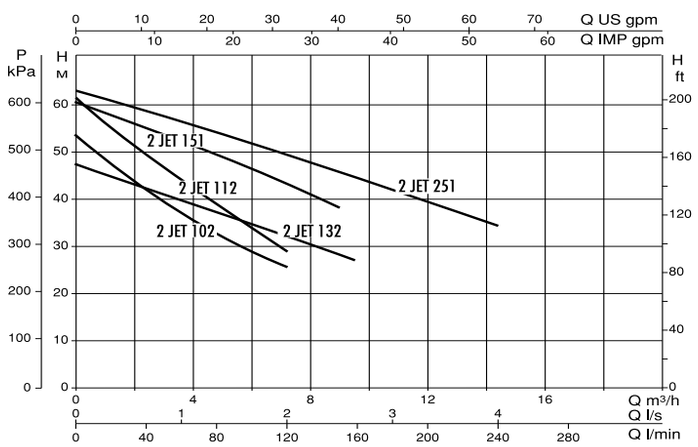
Low voltage auxiliary circuit complete with transformer and fuse.

The units are supplied with tanks and air feeder connection.

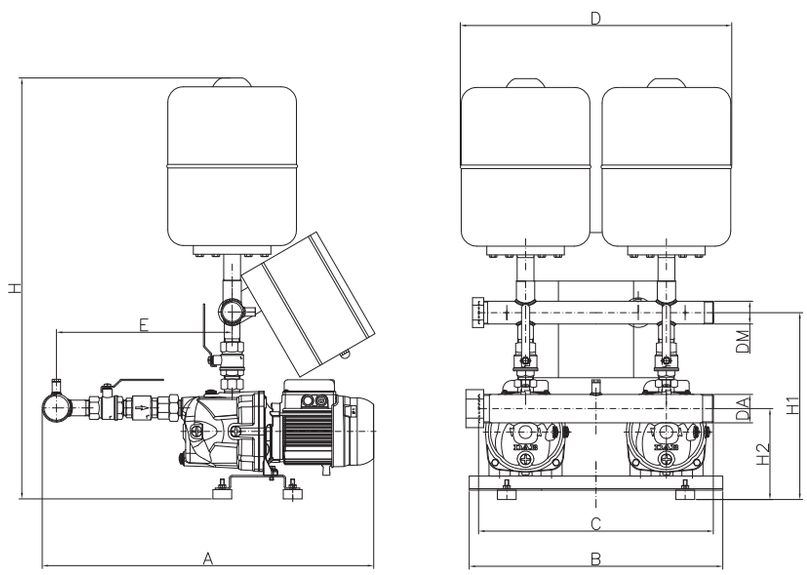
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X2	HP X 2			
2 JET 102 M	**500121140**	1 X 230 V ~	0,75	1	2x5,1	5	2,5÷4
2 JET 102 T	**500121640**	3 X 400 V ~	0,75	1	2x1,98	5	2,5÷4
2 JET 112 M	**500121150**	1 X 230 V ~	1	1,36	2x7	5,8	3,5÷5
2 JET 112 T	**500121650**	3 X 400 V ~	1	1,36	2x2,7	5,8	3,5÷5
2 JET 132 M	**500121160**	1 X 230 V ~	1	1,36	2x7	4,6	2,5÷4
2 JET 132 T	**500121660**	3 X 400 V ~	1	1,36	2x2,7	4,6	2,5÷4
2 JET 151 M	**500121060**	1 X 230 V ~	1,1	1,5	2x7,2	6,1	3,3÷5
2 JET 151 T	**500121560**	3 X 400 V ~	1,1	1,5	2x3	6	3,3÷5
2 JET 251 M	**500121100**	1 X 230 V ~	1,85	2,5	2x10	6,4	3,3÷5
2 JET 251 T	**500121600**	3 X 400 V ~	1,85	2,5	2x4	6	3,3÷5

The set is supplied assembled, tested, in a strong carton on a wooden pallet complete with instruction leaflet and wiring diagram.
Available on request the 3x230 V version.



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLD		WEIGHT Kg
									SUCTION	DELIVERY	
2 JET 102 M	715	540	500	575	385	830	398	194	2"	1 1/2"	71
2 JET 112 M	715	540	500	575	385	830	398	194	2"	1 1/2"	74
2 JET 132 M	715	540	500	575	385	830	398	194	2"	1 1/2"	77
2 JET 151 M	715	540	500	565	385	830	398	194	2"	1 1/2"	101
2 JET 251 M	715	540	500	575	385	830	398	194	2"	1 1/2"	75
2 JET 102 T	715	540	500	575	385	830	398	194	2"	1 1/2"	75
2 JET 112 T	715	540	500	575	385	830	398	194	2"	1 1/2"	78
2 JET 132 T	715	540	500	575	385	830	398	194	2"	1 1/2"	81
2 JET 151 T	960	540	500	565	535	850	458	184	2"	1 1/2"	105
2 JET 251 T	960	540	500	565	535	850	458	184	2"	1 1/2"	108

2 EURO / 2 EUROINOX

SETS WITH 2 HORIZONTAL MULTISTAGE EURO



Booster set with 2 EURO centrifugal pumps complete with baseplate, suction and delivery manifold, 2 membrane vessels and control panel supplied complete with:
Automatic inverter for exchanging the order of pump starting at each start-up
MAIN SWITCH.
Float or pressure switch can be inserted as protection against operation without water.

Low voltage auxiliary circuit complete with transformer and fuse.

The units are supplied with tanks and with air connector

TECHNICAL DATA

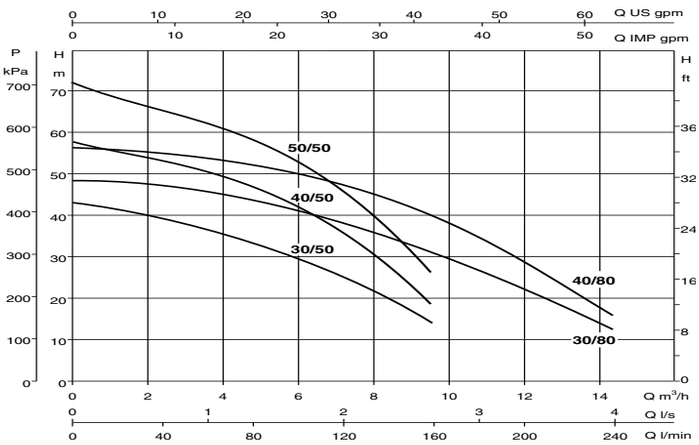
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X2	HP X 2			
2 EURO 30/50 M	500127100	1 X 230 V ~	0,55	0,75	2x3,9	3,8	2÷3,3
2 EURO 30/50 T	500127600	3 X 400 V ~	0,55	0,75	2x1,6	3,8	2÷3,3
2 EURO 40/50 M	500127150	1 X 230 V ~	0,75	1	2x5,3	5,3	3÷4,5
2 EURO 40/50 T	500127650	3 X 400 V ~	0,75	1	2x2,2	5,3	3÷4,5
2 EURO 50/50 M	500127200	1 X 230 V ~	1	1,36	2x6,3	6,5	4÷5,5
2 EURO 50/50 T	500127700	3 X 400 V ~	1	1,36	2x2,5	6,5	4÷5,5
2 EURO 30/80 M	500127250	1 X 230 V ~	0,8	1,1	2x5,3	4,3	2,5÷3,8
2 EURO 30/80 T	500127750	3 X 400 V ~	0,8	1,1	2x2,2	4,3	2,5÷3,8
2 EURO 40/80 M	500127300	1 X 230 V ~	1	1,36	2x6,3	5,5	3,8÷5,2
2 EURO 40/80 T	500127800	3 X 400 V ~	1	1,36	2x2,5	5,5	3,8÷5,2

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X2	HP X 2			
2 EUROINOX 30/50 M	500128100	1 X 230 V ~	0,55	0,75	2x3,9	3,8	2÷3,3
2 EUROINOX 30/50 T	500128600	3 X 400 V ~	0,55	0,75	2x1,6	3,8	2÷3,3
2 EUROINOX 40/50 M	500128150	1 X 230 V ~	0,75	1	2x5,3	5,3	3÷4,5
2 EUROINOX 40/50 T	500128650	3 X 400 V ~	0,75	1	2x2,2	5,3	3÷4,5
2 EUROINOX 50/50 M	500128200	1 X 230 V ~	1	1,36	2x6,3	6,5	4÷5,5
2 EUROINOX 50/50 T	500128700	3 X 400 V ~	1	1,36	2x2,5	6,5	4÷5,5
2 EUROINOX 30/80 M	500128250	1 X 230 V ~	0,8	1,1	2x5,3	4,3	2,5÷3,8
2 EUROINOX 30/80 T	500128750	3 X 400 V ~	0,8	1,1	2x2,2	4,3	2,5÷3,8
2 EUROINOX 40/80 M	500128300	1 X 230 V ~	1	1,36	2x6,3	5,5	3,8÷5,2
2 EUROINOX 40/80 T	500128800	3 X 400 V ~	1	1,36	2x2,5	5,5	3,8÷5,2

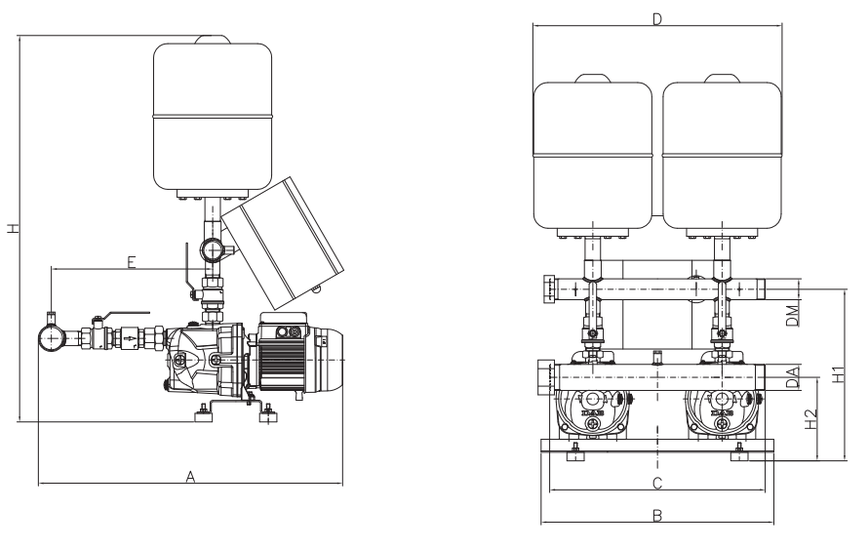
The set is supplied assembled, tested, in a strong carton on a wooden pallet complete with instruction leaflet and wiring diagram.
Available on request the 3x230 V version

2 EURO / 2 EUROINOX

SETS WITH 2 HORIZONTAL MULTISTAGE EURO



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLD		WEIGHT Kg
									SUCTION	DELIVERY	
2 EURO 30/50 M	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 30/50 T	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 40/50 M	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 40/50 T	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 50/50 M	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 50/50 T	755	540	500	578	415	890	402	194	2"	1 1/2"	58
2 EURO 30/80 M	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 30/80 T	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 40/80 M	755	540	500	578	415	890	402	194	2"	1 1/2"	57
2 EURO 40/80 T	755	540	500	578	415	890	402	194	2"	1 1/2"	58
2 EUROINOX 30/50 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 30/50 T	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/50 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/50 T	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 50/50 M	760	540	500	578	450	830	420	194	2"	1 1/2"	56
2 EUROINOX 50/50 T	760	540	500	578	450	830	420	194	2"	1 1/2"	58
2 EUROINOX 30/80 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 30/80 T	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/80 M	760	540	500	578	450	830	420	194	2"	1 1/2"	56
2 EUROINOX 40/80 T	760	540	500	578	450	830	420	194	2"	1 1/2"	58

1 KVC

SETS WITH 1 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



CE

Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses.
The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.

Electrical section
1KVC PUMP SETS
Single-phase version.
1 bipolar pressure switch connected to the electric pump, including power supply plug.
Three-phase version.
Motor overload protection panel with reset button, 1 bipolar pressure switch connected
to the electric pump.

TECHNICAL DATA

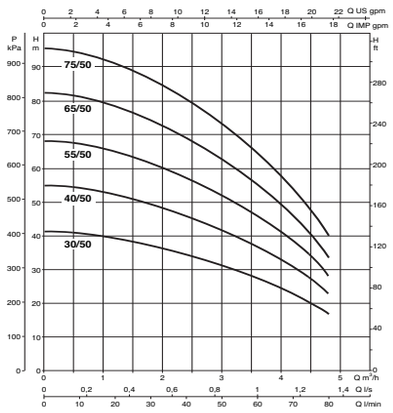
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
1KVC 30/50 M 230-50	**60122101**	1 X 230 V ~	0,55	0,75	4	4	2,5 – 3,5
1KVC 30/50 T 400-50	**60122112**	3 X 400 V ~	0,55	0,75	1,4	4	2,5 – 3,5
1KVC 40/50 M 230-50	**60122102**	1 X 230 V ~	0,8	1,1	5,6	5,2	4 – 5
1KVC 40/50 T 400-50	**60122113**	3 X 400 V ~	0,8	1,1	2,2	5,2	4 – 5
1KVC 55/50 M 230-50	**60122103**	1 X 230 V ~	1	1,36	6,4	6,5	5 – 6
1KVC 55/50 T 400-50	**60122114**	3 X 400 V ~	1	1,36	2,6	6,5	5 – 6
1KVC 65/50 M 230-50	**60122104**	1 X 230 V ~	1,1	1,5	7,4	8	6,5 – 7,5
1KVC 65/50 T 400-50	**60122115**	3 X 400 V ~	1,1	1,5	3,1	8	6,5 – 7,5
1KVC 75/50 M 230-50	**60122105**	1 X 230 V ~	1,5	2	9	9	7,5 – 8,5
1KVC 75/50 T 400-50	**60122116**	3 X 400 V ~	1,5	2	3,6	9	7,5 – 8,5
1KVC 30/80 M 230-50	**60122106**	1 X 230 V ~	0,8	1,1	5,6	4,5	3 – 4
1KVC 30/80 T 400-50	**60122117**	3 X 400 V ~	0,8	1,1	2,2	4,5	3 – 4
1KVC 40/80 M 230-50	**60122107**	1 X 230 V ~	1	1,36	6,5	5,5	4 – 5
1KVC 40/80 T 400-50	**60122118**	3 X 400 V ~	1	1,36	2,6	5,5	4 – 5
1KVC 45/80 M 230-50	**60122108**	1 X 230 V ~	1,1	1,5	7,4	6,8	5 – 6
1KVC 45/80 T 400-50	**60122119**	3 X 400 V ~	1,1	1,5	3,1	6,8	5 – 6
1KVC 55/80 M 230-50	**60122109**	1 X 230 V ~	1,5	2	9	8	6 – 7
1KVC 55/80 T 400-50	**60122120**	3 X 400 V ~	1,5	2	3,6	8	6 – 7
1KVC 65/80 T 400-50	**60122121**	3 X 400 V ~	2,2	3	4	9,2	7 – 8
1KVC 35/120 M 230-50	**60122110**	1 X 230 V ~	1,1	1,5	7,4	4,5	3 – 4
1KVC 35/120 T 400-50	**60122122**	3 X 400 V ~	1,1	1,5	3,5	4,5	3 – 4
1KVC 45/120 M 230-50	**60122111**	1 X 230 V ~	1,85	2,5	12	6	4,5 – 5,5
1KVC 45/120 T 400-50	**60122123**	3 X 400 V ~	1,85	2,5	4,6	6	4,5 – 5,5
1KVC 60/120 T 400-50	**60122124**	3 X 400 V ~	2,2	3	5,4	7,5	5,5 – 6,5
1KVC 70/120 T 400-50	**60122125**	3 X 400 V ~	3	4	6,8	9	7 – 8
1KVC 85/120 T 400-50	**60122126**	3 X 400 V ~	3	4	7,8	10,5	9 – 10

The units are supplied with tanks and air feeder connection.

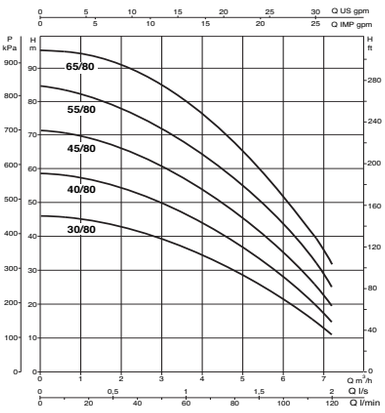
1 KVC

SETS WITH 1 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

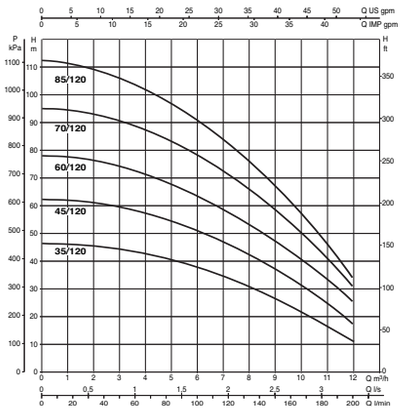
1 KVC 50



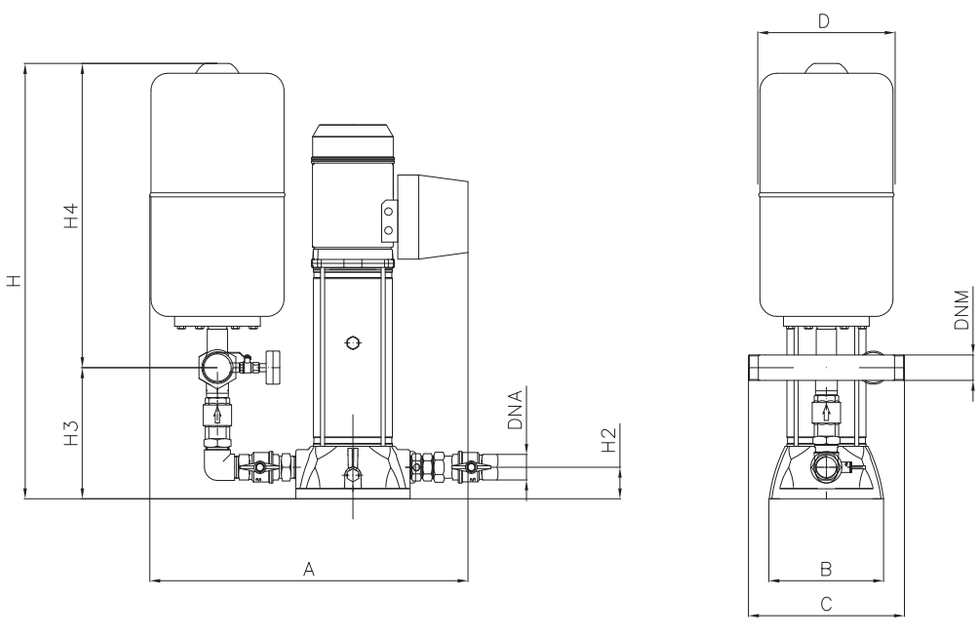
1 KVC 80



1 KVC 120



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	P	H	H1	H2	H3	H4	Ø MANIFOLD		WEIGHT Kg	
											DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
1KVC 30/50	630	300	300	260	130	940	-	120	210	610	1" 1/4	1" 1/2	26	26
1KVC 40/50	630	300	300	260	130	995	-	120	265	610	1" 1/4	1" 1/2	28	28
1KVC 55/50	630	300	300	260	130	995	-	120	265	610	1" 1/4	1" 1/2	29	29
1KVC 65/50	630	300	300	260	130	1085	-	120	355	610	1" 1/4	1" 1/2	32	32
1KVC 75/50	630	300	300	260	130	1085	-	120	355	610	1" 1/4	1" 1/2	33	32
1KVC 30/80	630	300	300	260	130	995	-	120	265	610	1" 1/4	1" 1/2	28	27
1KVC 40/80	630	300	300	260	130	995	-	120	265	610	1" 1/4	1" 1/2	29	29
1KVC 45/80	630	300	300	260	130	1085	-	120	355	610	1" 1/4	1" 1/2	32	32
1KVC 55/80	630	300	300	260	130	1085	-	120	355	610	1" 1/4	1" 1/2	33	32
1KVC 65/80	630	300	300	260	130	1185	-	120	385	610	1" 1/4	1" 1/2	-	34
1KVC 35/120	630	300	300	260	130	940	-	120	210	610	1" 1/4	1" 1/2	32	32
1KVC 45/120	630	300	300	260	130	995	-	120	265	610	1" 1/4	1" 1/2	44	34
1KVC 60/120	630	300	300	260	130	995	-	120	265	610	1" 1/4	1" 1/2	-	36
1KVC 70/120	630	300	300	260	130	1085	-	120	355	610	1" 1/4	1" 1/2	-	38
1KVC 85/120	630	300	300	260	130	1085	-	120	355	610	1" 1/4	1" 1/2	-	39

2 KVC

SETS WITH 2 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses.
The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.

Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating.The panel protects the electric pumps and operates them in sequence, maintaining the plant at a factoryset average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted. The pressure value is read by the pressure transmitter located on the outlet manifold.

TECHNICAL DATA

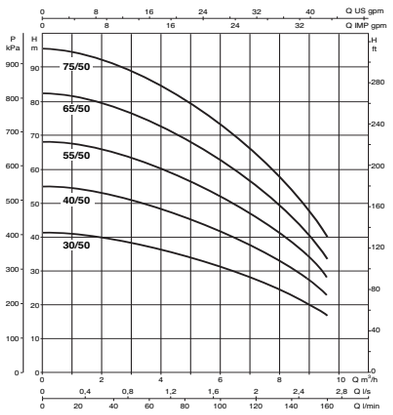
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X2	HP X 2			
2KVC 30/50 M 230-50	**60122127**	1 X 230 V ~	0,55	0,75	2x 4	4	2 – 3,5
2KVC 30/50 T 400-50	**60122138**	3 X 400 V ~	0,55	0,75	2x 1,4	4	2 – 3,5
2KVC 40/50 M 230-50	**60122128**	1 X 230 V ~	0,8	1,1	2x 5,6	5,2	3,5 – 5
2KVC 40/50 T 400-50	**60122139**	3 X 400 V ~	0,8	1,1	2x 2,2	5,2	3,5 – 5
2KVC 55/50 M 230-50	**60122129**	1 X 230 V ~	1	1,36	2x 6,4	6,5	4,5 – 6
2KVC 55/50 T 400-50	**60122140**	3 X 400 V ~	1	1,36	2x 2,6	6,5	4,5 – 6
2KVC 65/50 M 230-50	**60122130**	1 X 230 V ~	1,1	1,5	2x 7,4	8	6 – 7,5
2KVC 65/50 T 400-50	**60122141**	3 X 400 V ~	1,1	1,5	2x 3,1	8	6 – 7,5
2KVC 75/50 M 230-50	**60122131**	1 X 230 V ~	1,5	2	2x 9	9	7 – 8,5
2KVC 75/50 T 400-50	**60122142**	3 X 400 V ~	1,5	2	2x 3,6	9	7 – 8,5
2KVC 30/80 M 230-50	**60122132**	1 X 230 V ~	0,8	1,1	2x 5,6	4,5	2,5 – 4
2KVC 30/80 T 400-50	**60122143**	3 X 400 V ~	0,8	1,1	2x 2,2	4,5	2,5 – 4
2KVC 40/80 M 230-50	**60122133**	1 X 230 V ~	1	1,36	2x 6,5	5,5	3,5 – 5
2KVC 40/80 T 400-50	**60122144**	3 X 400 V ~	1	1,36	2x 2,6	5,5	3,5 – 5
2KVC 45/80 M 230-50	**60122134**	1 X 230 V ~	1,1	1,5	2x 7,4	6,8	4,5 – 6
2KVC 45/80 T 400-50	**60122145**	3 X 400 V ~	1,1	1,5	2x 3,1	6,8	4,5 – 6
2KVC 55/80 M 230-50	**60122135**	1 X 230 V ~	1,5	2	2x 9	8	5,5 – 7
2KVC 55/80 T 400-50	**60122146**	3 X 400 V ~	1,5	2	2x 3,6	8	5,5 – 7
2KVC 65/80 T 400-50	**60122147**	3 X 400 V ~	2,2	3	2x 4	9,2	6,5 – 8
2KVC 35/120 M 230-50	**60122136**	1 X 230 V ~	1,1	1,5	2x 7,4	4,5	2,5 – 4
2KVC 35/120 T 400-50	**60122148**	3 X 400 V ~	1,1	1,5	2x 3,5	4,5	2,5 – 4
2KVC 45/120 M 230-50	**60122137**	1 X 230 V ~	1,85	2,5	2x 12	6	4 – 5,5
2KVC 45/120 T 400-50	**60122149**	3 X 400 V ~	1,85	2,5	2x 4,6	6	4 – 5,5
2KVC 60/120 T 400-50	**60122150**	3 X 400 V ~	2,2	3	2x 5,4	7,5	5 – 6,5
2KVC 70/120 T 400-50	**60122151**	3 X 400 V ~	3	4	2x 6,8	9	6,5 – 8
2KVC 85/120 T 400-50	**60122152**	3 X 400 V ~	3	4	2x 7,8	10,5	8,5 – 10

The sets are supplied as standard with tanks and with air supply connector.

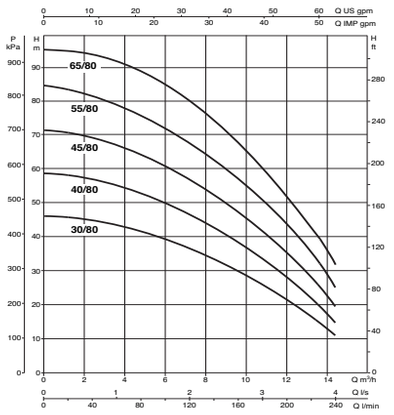
2 KVC

SETS WITH 2 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

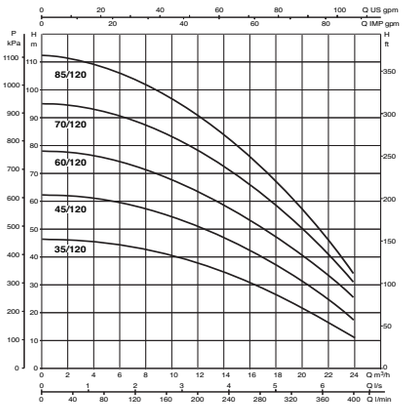
2 KVC 50



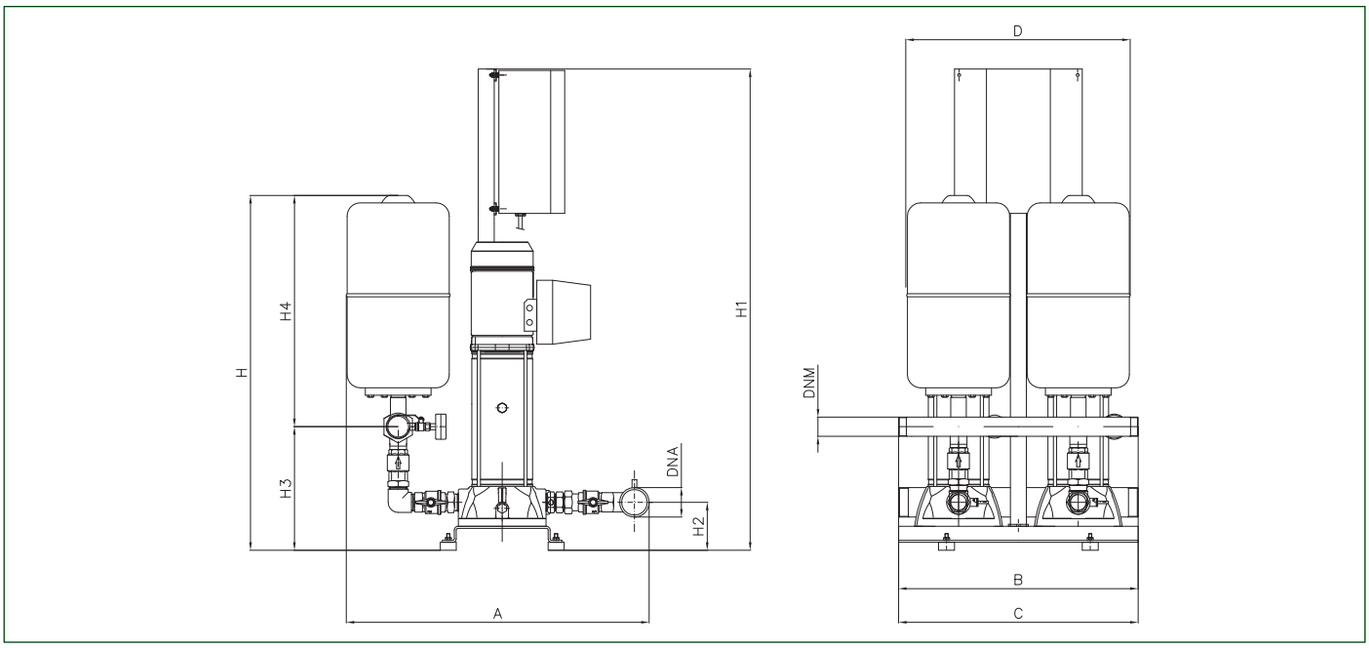
2 KVC 80



2 KVC 120



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	P	H	H1	H2	H3	H4	Ø MANIFOLD		WEIGHT Kg	
											DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
2KVC 30/50	760	550	500	560	-	800	920	95	260	610	2"	2"	70	70
2KVC 40/50	760	550	500	560	-	800	920	95	260	610	2"	2"	74	74
2KVC 55/50	760	550	500	560	-	800	920	95	260	610	2"	2"	76	76
2KVC 65/50	760	550	500	560	-	800	920	95	260	610	2"	2"	82	81
2KVC 75/50	760	550	500	560	-	800	920	95	260	610	2"	2"	84	83
2KVC 30/80	760	550	500	560	-	800	920	95	260	610	2"	2"	73	73
2KVC 40/80	760	550	500	560	-	800	920	95	260	610	2"	2"	76	76
2KVC 45/80	760	550	500	560	-	800	920	95	260	610	2"	2"	82	82
2KVC 55/80	760	550	500	560	-	800	920	95	260	610	2"	2"	84	82
2KVC 65/80	760	550	500	560	-	800	920	95	260	610	2"	2"	-	85
2KVC 35/120	760	550	500	560	-	800	920	95	260	610	2"	2"	82	82
2KVC 45/120	760	550	500	560	-	800	920	95	260	610	2"	2"	86	86
2KVC 60/120	760	550	500	560	-	800	920	95	260	610	2"	2"	-	90
2KVC 70/120	760	550	500	560	-	800	920	95	260	610	2"	2"	-	94
2KVC 85/120	760	550	500	560	-	800	920	95	260	610	2"	2"	-	95

DAB PUMPS reserves the right to make modifications without notice

3 KVC

SETS WITH 3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses.
The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.
Control panel in impact-resistant self-extinguishing plastic with IP 55 protection rating. The control panel enclosure houses the main power switch, thermal magnetic cut-outs to protect the electric pumps, electric pump starting sequence changeover system, low voltage 24V control circuit, MAN-0-AUT selectors, (start pushbuttons for single-phase version panel), indicator lights on front panel.
Installed on specifically designed column mounted on pumps skid.
3 preset pressure switches for pumps starting / stopping.
The control panel of 2KVC and 3KVC pump sets is prearrange for connection of:
Pressure switch or float switch kit to protect against dry running (*)
Overpressure cut-out pressure switch kit (*)
(*) Optional items available on request
The pump sets are supplied in a strong carton on a wooden pallet complete with installation/maintenance instructions and wiring diagram.

TECHNICAL DATA

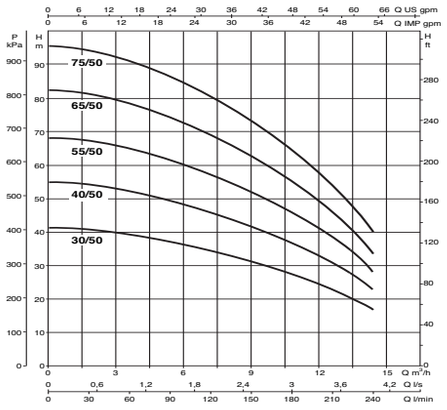
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X3	HP X 3			
3KVC 30/50 M 230-50	**60122153**	1 X 230 V ~	0,55	0,75	3x 4	4	1,5 – 3,5
3KVC 30/50 T 400-50	**60122164**	3 X 400 V ~	0,55	0,75	3x 1,4	4	1,5 – 3,5
3KVC 40/50 M 230-50	**60122154**	1 X 230 V ~	0,8	1,1	3x 5,6	5,2	3 – 5
3KVC 40/50 T 400-50	**60122165**	3 X 400 V ~	0,8	1,1	3x 2,2	5,2	3 – 5
3KVC 55/50 M 230-50	**60122155**	1 X 230 V ~	1	1,36	3x 6,4	6,5	4 – 6
3KVC 55/50 T 400-50	**60122167**	3 X 400 V ~	1	1,36	3x 2,6	6,5	4 – 6
3KVC 65/50 M 230-50	**60122156**	1 X 230 V ~	1,1	1,5	3x 7,4	8	5,5 – 7,5
3KVC 65/50 T 400-50	**60122168**	3 X 400 V ~	1,1	1,5	3x 3,1	8	5,5 – 7,5
3KVC 75/50 M 230-50	**60122157**	1 X 230 V ~	1,5	2	3x 9	9	6,5 – 8,5
3KVC 75/50 T 400-50	**60122169**	3 X 400 V ~	1,5	2	3x 3,6	9	6,5 – 8,5
3KVC 30/80 M 230-50	**60122158**	1 X 230 V ~	0,8	1,1	3x 5,6	4,5	2 – 4
3KVC 30/80 T 400-50	**60122170**	3 X 400 V ~	0,8	1,1	3x 2,2	4,5	2 – 4
3KVC 40/80 M 230-50	**60122159**	1 X 230 V ~	1	1,36	3x 6,5	5,5	3 – 5
3KVC 40/80 T 400-50	**60122171**	3 X 400 V ~	1	1,36	3x 2,6	5,5	3 – 5
3KVC 45/80 M 230-50	**60122160**	1 X 230 V ~	1,1	1,5	3x 7,4	6,8	4 – 6
3KVC 45/80 T 400-50	**60122173**	3 X 400 V ~	1,1	1,5	3x 3,1	6,8	4 – 6
3KVC 55/80 M 230-50	**60122161**	1 X 230 V ~	1,5	2	3x 9	8	5 – 7
3KVC 55/80 T 400-50	**60122174**	3 X 400 V ~	1,5	2	3x 3,6	8	5 – 7
3KVC 65/80 T 400-50	**60122175**	3 X 400 V ~	2,2	3	3x 4	9,2	6 – 8
3KVC 35/120 M 230-50	**60122162**	1 X 230 V ~	1,1	1,5	3x 7,4	4,5	2 – 4
3KVC 35/120 T 400-50	**60122176**	3 X 400 V ~	1,1	1,5	3x 3,5	4,5	2 – 4
3KVC 45/120 M 230-50	**60122163**	1 X 230 V ~	1,85	2,5	3x 12	6	3,5 – 5,5
3KVC 45/120 T 400-50	**60122177**	3 X 400 V ~	1,85	2,5	3x 4,6	6	3,5 – 5,5
3KVC 60/120 T 400-50	**60122178**	3 X 400 V ~	2,2	3	3x 5,4	7,5	4,5 – 6,5
3KVC 70/120 T 400-50	**60122179**	3 X 400 V ~	3	4	3x 6,8	9	6 – 8
3KVC 85/120 T 400-50	**60122180**	3 X 400 V ~	3	4	3x 7,8	10,5	8 – 10

The sets are supplied as standard with tanks and with air supply connector.

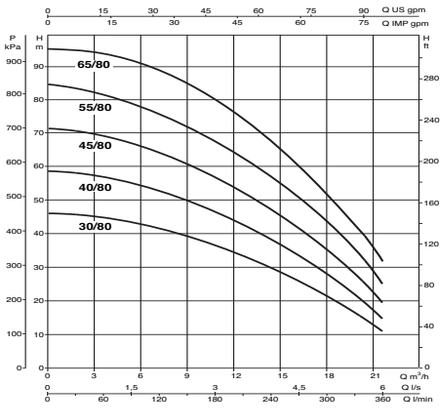
3 KVC

SETS WITH 3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

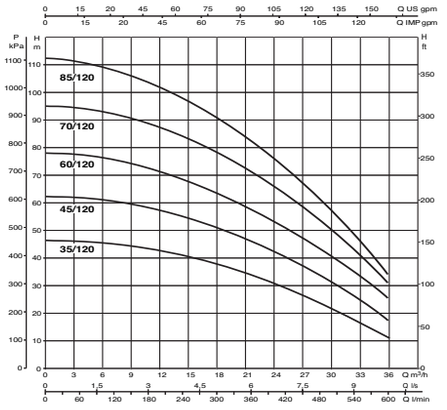
3 KVC 50



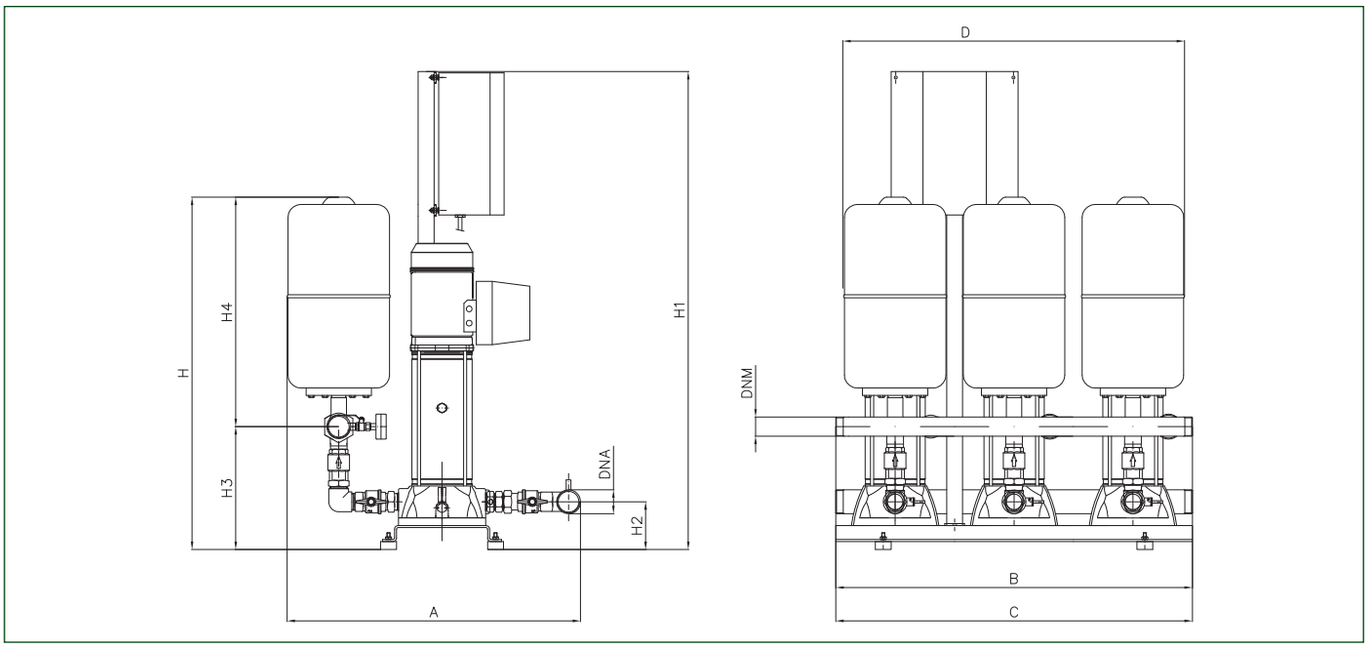
3 KVC 80



3 KVC 120



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	P	H	H1	H2	H3	H4	Ø MANIFOLD		WEIGHT Kg	
											DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
3KVC 30/50	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	109	109
3KVC 40/50	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	115	115
3KVC 55/50	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	119	119
3KVC 65/50	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	128	127
3KVC 75/50	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	132	130
3KVC 30/80	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	115	114
3KVC 40/80	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	119	119
3KVC 45/80	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	128	128
3KVC 55/80	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	131	128
3KVC 65/80	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	-	133
3KVC 35/120	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	128	128
3KVC 45/120	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	134	134
3KVC 60/120	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	-	140
3KVC 70/120	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	-	146
3KVC 85/120	650	900	810	850	-	950	1100	100	410	610	2" 1/2	2" 1/2	-	148

1 KVCX

SETS WITH 1 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses. The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.

Single-phase version.
1 bipolar pressure switch connected to the electric pump, including power supply plug.
Three-phase version.
Motor overload protection panel with reset button, 1 bipolar pressure switch connected to the electric pump.

TECHNICAL DATA

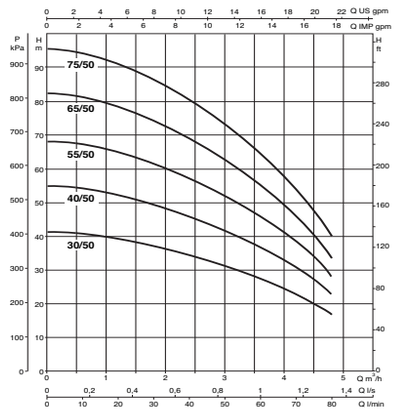
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
1KVCX 30/50 M 230-50	500115020	1 X 230 V ~	0,55	0,75	4	4	1,5 – 3,5
1KVCX 30/50 T 400-50	500115520	3 X 400 V ~	0,55	0,75	1,4	4	1,5 – 3,5
1KVCX 40/50 M 230-50	500115030	1 X 230 V ~	0,8	1,1	5,6	5,2	3 – 5
1KVCX 40/50 T 400-50	500115530	3 X 400 V ~	0,8	1,1	2,2	5,2	3 – 5
1KVCX 55/50 M 230-50	500115040	1 X 230 V ~	1	1,36	6,4	6,5	4 – 6
1KVCX 55/50 T 400-50	500115540	3 X 400 V ~	1	1,36	2,6	6,5	4 – 6
1KVCX 65/50 M 230-50	500115050	1 X 230 V ~	1,1	1,5	7,4	8	5,5 – 7,5
1KVCX 65/50 T 400-50	500115550	3 X 400 V ~	1,1	1,5	3,1	8	5,5 – 7,5
1KVCX 75/50 M 230-50	500115060	1 X 230 V ~	1,5	2	9	9	6,5 – 8,5
1KVCX 75/50 T 400-50	500115560	3 X 400 V ~	1,5	2	3,6	9	6,5 – 8,5
1KVCX 30/80 M 230-50	500115100	1 X 230 V ~	0,8	1,1	5,6	4,5	2 – 4
1KVCX 30/80 T 400-50	500115600	3 X 400 V ~	0,8	1,1	2,2	4,5	2 – 4
1KVCX 40/80 M 230-50	500115110	1 X 230 V ~	1	1,36	6,5	5,5	3 – 5
1KVCX 40/80 T 400-50	500115610	3 X 400 V ~	1	1,36	2,6	5,5	3 – 5
1KVCX 45/80 M 230-50	500115120	1 X 230 V ~	1,1	1,5	7,4	6,8	4 – 6
1KVCX 45/80 T 400-50	500115620	3 X 400 V ~	1,1	1,5	3,1	6,8	4 – 6
1KVCX 55/80 M 230-50	500115130	1 X 230 V ~	1,5	2	9	8	5 – 7
1KVCX 55/80 T 400-50	500115630	3 X 400 V ~	1,5	2	3,6	8	5 – 7
1KVCX 65/80 T 400-50	500115640	3 X 400 V ~	2,2	3	4	9,2	6 – 8
1KVCX 35/120 M 230-50	500115200	1 X 230 V ~	1,1	1,5	7,4	4,5	2 – 4
1KVCX 35/120 T 400-50	500115700	3 X 400 V ~	1,1	1,5	3,5	4,5	2 – 4
1KVCX 45/120 M 230-50	500115210	1 X 230 V ~	1,85	2,5	12	6	3,5 – 5,5
1KVCX 45/120 T 400-50	500115710	3 X 400 V ~	1,85	2,5	4,6	6	3,5 – 5,5
1KVCX 60/120 T 400-50	500115720	3 X 400 V ~	2,2	3	5,4	7,5	4,5 – 6,5
1KVCX 70/120 T 400-50	500115730	3 X 400 V ~	3	4	6,8	9	6 – 8
1KVCX 85/120 T 400-50	500115740	3 X 400 V ~	3	4	7,8	10,5	8 – 10

The sets are supplied as standard with tanks and with air supply connector.

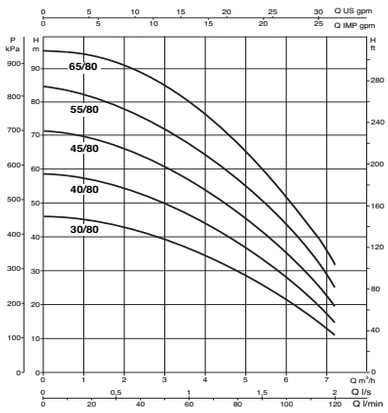
1 KVCX

SETS WITH 1 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

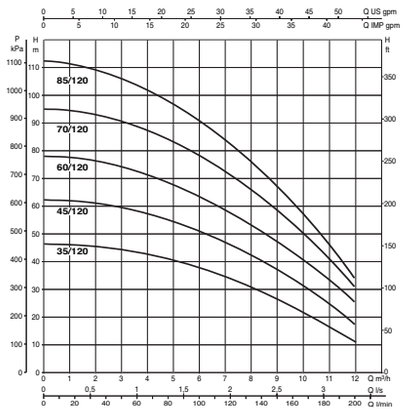
1 KVCX 50



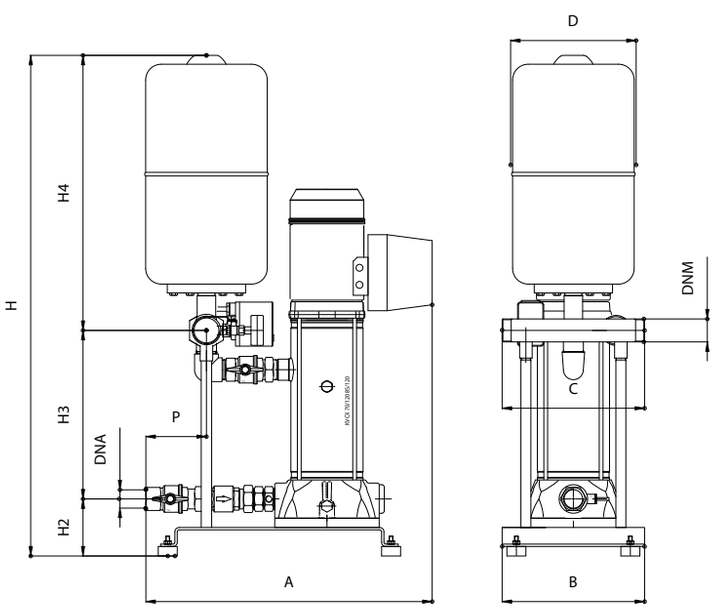
1 KVCX 80



1 KVCX 120



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	P	H	H2	H3	H4	Ø MANIFOLD		WEIGHT Kg	
										DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
1KVCX 30/50	630	300	300	260	130	940	120	210	610	1" 1/4	1" 1/2	26	26
1KVCX 40/50	630	300	300	260	130	995	120	265	610	1" 1/4	1" 1/2	26	28
1KVCX 55/50	630	300	300	260	130	995	120	265	610	1" 1/4	1" 1/2	29	29
1KVCX 65/50	630	300	300	260	130	1085	120	355	610	1" 1/4	1" 1/2	32	32
1KVCX 75/50	630	300	300	260	130	1085	120	355	610	1" 1/4	1" 1/2	33	32
1KVCX 30/80	630	300	300	260	130	995	120	265	610	1" 1/4	1" 1/2	28	27
1KVCX 40/80	630	300	300	260	130	995	120	265	610	1" 1/4	1" 1/2	29	29
1KVCX 45/80	630	300	300	260	130	1085	120	355	610	1" 1/4	1" 1/2	32	32
1KVCX 55/80	630	300	300	260	130	1085	120	355	610	1" 1/4	1" 1/2	33	32
1KVCX 65/80	630	300	300	260	130	1185	120	385	610	1" 1/4	1" 1/2	-	34
1KVCX 35/120	630	300	300	260	130	940	120	210	610	1" 1/4	1" 1/2	32	32
1KVCX 45/120	630	300	300	260	130	995	120	265	610	1" 1/4	1" 1/2	44	34
1KVCX 60/120	630	300	300	260	130	995	120	265	610	1" 1/4	1" 1/2	-	36
1KVCX 70/120	630	300	300	260	130	1085	120	355	610	1" 1/4	1" 1/2	-	38
1KVCX 85/120	630	300	300	260	130	1085	120	355	610	1" 1/4	1" 1/2	-	39

2 KVCX

SETS WITH 2 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses. The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.
Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating.
The panel protects the electric pumps and operates them in sequence, maintaining the plant at a factoryset average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted. The pressure value is read by the pressure transmitter located on the outlet manifold.

TECHNICAL DATA

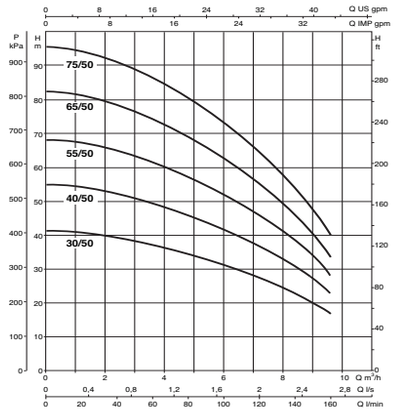
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X2	HP X 2			
2KVCX 30/50 M 230-50	500125120	1 X 230 V ~	0,55	0,75	2x 4	4	2 – 3,5
2KVCX 30/50 T 400-50	500125620	3 X 400 V ~	0,55	0,75	2x 1,4	4	2 – 3,5
2KVCX 40/50 M 230-50	500125130	1 X 230 V ~	0,8	1,1	2x 5,6	5,2	3,5 – 5
2KVCX 40/50 T 400-50	500125630	3 X 400 V ~	0,8	1,1	2x 2,2	5,2	3,5 – 5
2KVCX 55/50 M 230-50	500125140	1 X 230 V ~	1	1,36	2x 6,4	6,5	4,5 – 6
2KVCX 55/50 T 400-50	500125640	3 X 400 V ~	1	1,36	2x 2,6	6,5	4,5 – 6
2KVCX 65/50 M 230-50	500125150	1 X 230 V ~	1,1	1,5	2x 7,4	8	6 – 7,5
2KVCX 65/50 T 400-50	500125650	3 X 400 V ~	1,1	1,5	2x 3,1	8	6 – 7,5
2KVCX 75/50 M 230-50	500125160	1 X 230 V ~	1,5	2	2x 9	9	7 – 8,5
2KVCX 75/50 T 400-50	500125660	3 X 400 V ~	1,5	2	2x 3,6	9	7 – 8,5
2KVCX 30/80 M 230-50	500125200	1 X 230 V ~	0,8	1,1	2x 5,6	4,5	2,5 – 4
2KVCX 30/80 T 400-50	500125700	3 X 400 V ~	0,8	1,1	2x 2,2	4,5	2,5 – 4
2KVCX 40/80 M 230-50	500125210	1 X 230 V ~	1	1,36	2x 6,5	5,5	3,5 – 5
2KVCX 40/80 T 400-50	500125710	3 X 400 V ~	1	1,36	2x 2,6	5,5	3,5 – 5
2KVCX 45/80 M 230-50	500125220	1 X 230 V ~	1,1	1,5	2x 7,4	6,8	4,5 – 6
2KVCX 45/80 T 400-50	500125720	3 X 400 V ~	1,1	1,5	2x 3,1	6,8	4,5 – 6
2KVCX 55/80 M 230-50	500125230	1 X 230 V ~	1,5	2	2x 9	8	5,5 – 7
2KVCX 55/80 T 400-50	500125730	3 X 400 V ~	1,5	2	2x 3,6	8	5,5 – 7
2KVCX 65/80 T 400-50	500125740	3 X 400 V ~	2,2	3	2x 4	9,2	6,5 – 8
2KVCX 35/120 M 230-50	500125300	1 X 230 V ~	1,1	1,5	2x 7,4	4,5	2,5 – 4
2KVCX 35/120 T 400-50	500125800	3 X 400 V ~	1,1	1,5	2x 3,5	4,5	2,5 – 4
2KVCX 45/120 M 230-50	500125310	1 X 230 V ~	1,85	2,5	2x 12	6	4 – 5,5
2KVCX 45/120 T 400-50	500125810	3 X 400 V ~	1,85	2,5	2x 4,6	6	4 – 5,5
2KVCX 60/120 T 400-50	500125820	3 X 400 V ~	2,2	3	2x 5,4	7,5	5 – 6,5
2KVCX 70/120 T 400-50	500125830	3 X 400 V ~	3	4	2x 6,8	9	6,5 – 8
2KVCX 85/120 T 400-50	500125840	3 X 400 V ~	3	4	2x 7,8	10,5	8,5 – 10

The sets are supplied as standard with tanks and with air supply connector.

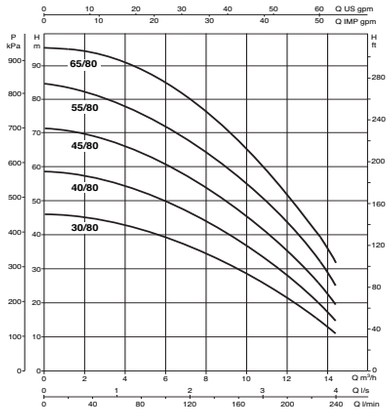
2 KVCX

SETS WITH 2 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

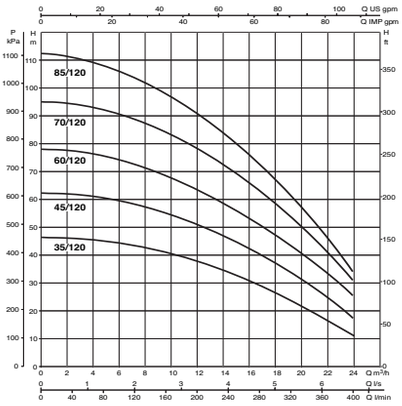
2 KVCX 50



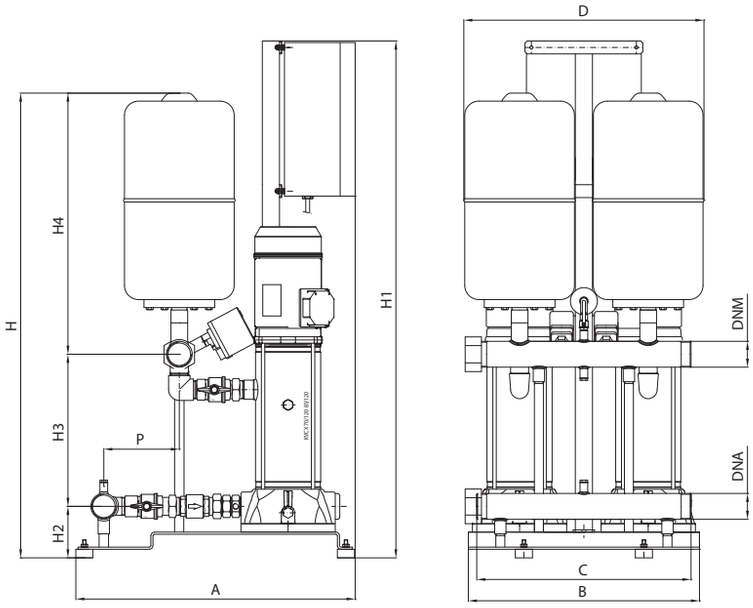
2 KVCX 80



2 KVCX 120



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	P	H	H1	H2	H3	H4	Ø MANIFOLD		WEIGHT Kg	
											DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
2KVCX 30/50 M-T	655	540	500	560	175	940	1205	120	210	610	2" 1/2	2"	70	70
2KVCX 40/50 M-T	655	540	500	560	175	995	1205	120	265	610	2" 1/2	2"	74	74
2KVCX 55/50 M-T	655	540	500	560	175	995	1205	120	265	610	2" 1/2	2"	76	76
2KVCX 65/50 M-T	655	540	500	560	175	1085	1205	120	355	610	2" 1/2	2"	82	81
2KVCX 75/50 M-T	655	540	500	560	175	1085	1205	120	355	610	2" 1/2	2"	74	73
2KVCX 30/80 M-T	655	540	500	560	175	995	1205	120	265	610	2" 1/2	2"	73	73
2KVCX 40/80 M-T	655	540	500	560	175	995	1205	120	265	610	2" 1/2	2"	76	76
2KVCX 45/80 M-T	655	540	500	560	175	1085	1205	120	355	610	2" 1/2	2"	82	82
2KVCX 55/80 M-T	655	540	500	560	175	1085	1205	120	355	610	2" 1/2	2"	84	82
2KVCX 65/80 T	655	540	500	560	175	1185	1205	120	385	610	2" 1/2	2"	-	85
2KVCX 35/120 M-T	655	540	500	560	175	940	1205	120	210	610	2" 1/2	2"	82	82
2KVCX 45/120 M-T	655	540	500	560	175	995	1205	120	265	610	2" 1/2	2"	86	86
2KVCX 60/120 T	655	540	500	560	175	995	1205	120	265	610	2" 1/2	2"	-	90
2KVCX 70/120 T	655	540	500	560	175	1085	1205	120	355	610	2" 1/2	2"	-	94
2KVCX 85/120 T	655	540	500	560	175	1085	1205	120	355	610	2" 1/2	2"	-	95

3 KVCX

SETS WITH 3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses. The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.
Control panel in impact-resistant self-extinguishing plastic with IP 55 protection rating. The control panel enclosure houses the main power switch, thermal magnetic cut-outs to protect the electric pumps, electric pump starting sequence changeover system, low voltage 24V control circuit, MAN- 0-AUT selectors, (start pushbuttons for single-phase version panel), indicator lights on front panel. Installed on specifically designed column mounted on pumps skid. 3 preset pressure switches for pumps starting / stopping. The control panel of 2KVCX and 3KVCX pump sets is prearrange for connection of: Pressure switch or float switch kit to protect against dry running (*)
Overpressure cut-out pressure switch kit (*)
(*) Optional items available on request
The pump sets are supplied in a strong carton on a wooden pallet complete with installation/maintenance instructions and wiring diagram.

TECHNICAL DATA

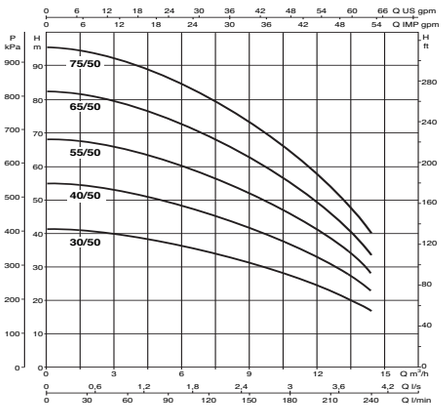
MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X3	HP X 3			
3KVCX 30/50 M 230-50	500135020	1 X 230 V ~	0,55	0,75	3x 4	4	1,5 – 3,5
3KVCX 30/50 T 400-50	500135520	3 X 400 V ~	0,55	0,75	3x 1,4	4	1,5 – 3,5
3KVCX 40/50 M 230-50	500135030	1 X 230 V ~	0,8	1,1	3x 5,6	5,2	3 – 5
3KVCX 40/50 T 400-50	500135530	3 X 400 V ~	0,8	1,1	3x 2,2	5,2	3 – 5
3KVCX 55/50 M 230-50	500135040	1 X 230 V ~	1	1,36	3x 6,4	6,5	4 – 6
3KVCX 55/50 T 400-50	500135540	3 X 400 V ~	1	1,36	3x 2,6	6,5	4 – 6
3KVCX 65/50 M 230-50	500135050	1 X 230 V ~	1,1	1,5	3x 7,4	8	5,5 – 7,5
3KVCX 65/50 T 400-50	500135550	3 X 400 V ~	1,1	1,5	3x 3,1	8	5,5 – 7,5
3KVCX 75/50 M 230-50	500135060	1 X 230 V ~	1,5	2	3x 9	9	6,5 – 8,5
3KVCX 75/50 T 400-50	500135560	3 X 400 V ~	1,5	2	3x 3,6	9	6,5 – 8,5
3KVCX 30/80 M 230-50	500135100	1 X 230 V ~	0,8	1,1	3x 5,6	4,5	2 – 4
3KVCX 30/80 T 400-50	500135600	3 X 400 V ~	0,8	1,1	3x 2,2	4,5	2 – 4
3KVCX 40/80 M 230-50	500135110	1 X 230 V ~	1	1,36	3x 6,5	5,5	3 – 5
3KVCX 40/80 T 400-50	500135610	3 X 400 V ~	1	1,36	3x 2,6	5,5	3 – 5
3KVCX 45/80 M 230-50	500135120	1 X 230 V ~	1,1	1,5	3x 7,4	6,8	4 – 6
3KVCX 45/80 T 400-50	500135620	3 X 400 V ~	1,1	1,5	3x 3,1	6,8	4 – 6
3KVCX 55/80 M 230-50	500135130	1 X 230 V ~	1,5	2	3x 9	8	5 – 7
3KVCX 55/80 T 400-50	500135630	3 X 400 V ~	1,5	2	3x 3,6	8	5 – 7
3KVCX 65/80 T 400-50	500135640	3 X 400 V ~	2,2	3	3x 4	9,2	6 – 8
3KVCX 35/120 M 230-50	500135200	1 X 230 V ~	1,1	1,5	3x 7,4	4,5	2 – 4
3KVCX 35/120 T 400-50	500135700	3 X 400 V ~	1,1	1,5	3x 3,5	4,5	2 – 4
3KVCX 45/120 M 230-50	500135210	1 X 230 V ~	1,85	2,5	3x 12	6	3,5 – 5,5
3KVCX 45/120 T 400-50	500135710	3 X 400 V ~	1,85	2,5	3x 4,6	6	3,5 – 5,5
3KVCX 60/120 T 400-50	500135720	3 X 400 V ~	2,2	3	3x 5,4	7,5	4,5 – 6,5
3KVCX 70/120 T 400-50	500135730	3 X 400 V ~	3	4	3x 6,8	9	6 – 8
3KVCX 85/120 T 400-50	500135740	3 X 400 V ~	3	4	3x 7,8	10,5	8 – 10

The sets are supplied as standard with tanks and with air supply connector.

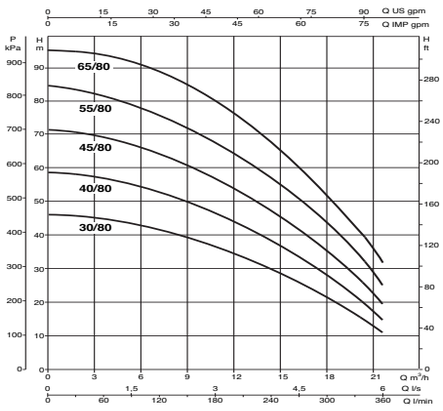
3 KVCX

SETS WITH 3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

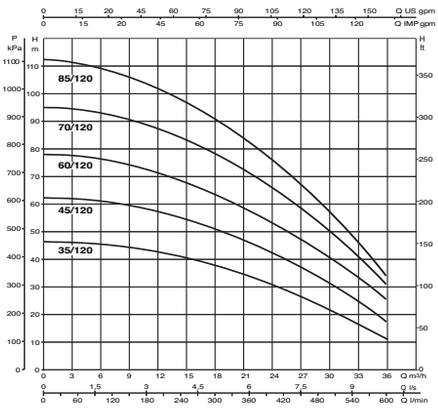
3 KVCX 50



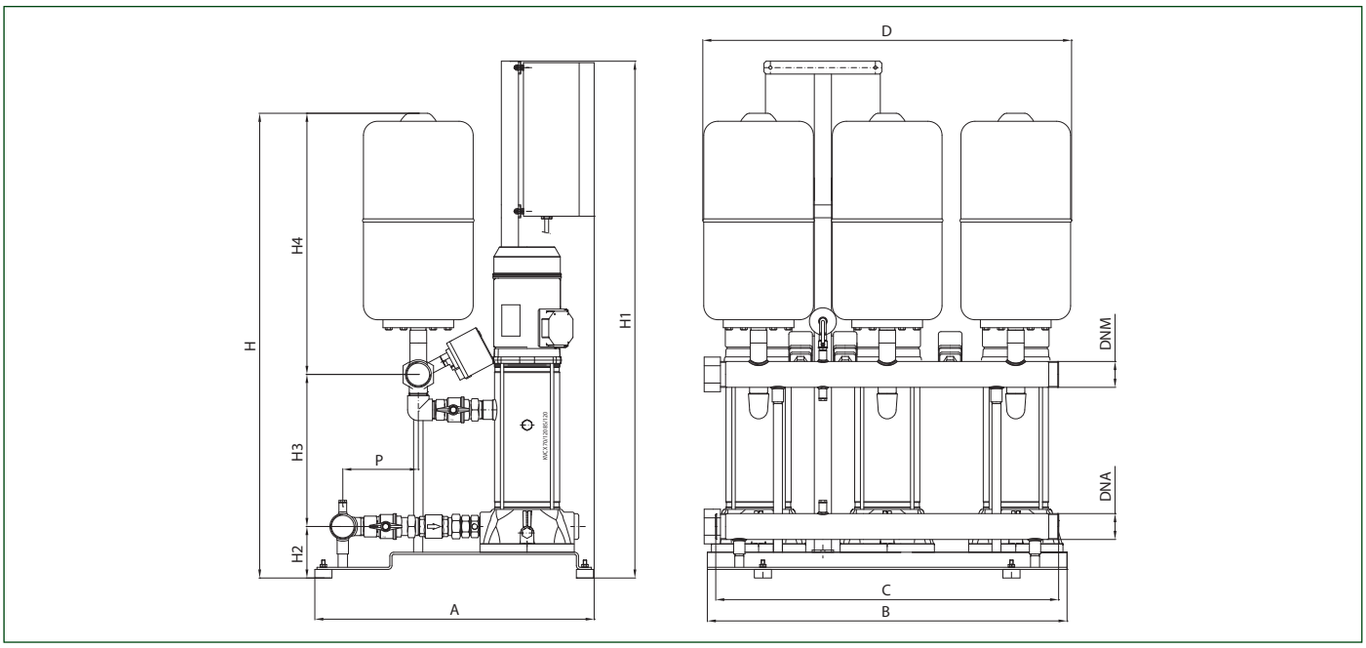
3 KVCX 80



3 KVCX 120



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	P	H	H1	H2	H3	Ø MANIFOLD		WEIGHT Kg	
										DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
3KVCX 30/50 M-T	655	840	800	860	175	940	1205	120	210	2" 1/2	2" 1/2	109	109
3KVCX 40/50 M-T	655	840	800	860	175	995	1205	120	265	2" 1/2	2" 1/2	115	115
3KVCX 55/50 M-T	655	840	800	860	175	995	1205	120	265	2" 1/2	2" 1/2	119	119
3KVCX 65/50 M-T	655	840	800	860	175	1085	1205	120	355	2" 1/2	2" 1/2	128	127
3KVCX 75/50 M-T	655	840	800	860	175	1085	1205	120	355	2" 1/2	2" 1/2	132	130
3KVCX 30/80 M-T	655	840	800	860	175	995	1205	120	265	2" 1/2	2" 1/2	115	114
3KVCX 40/80 M-T	655	840	800	860	175	995	1205	120	265	2" 1/2	2" 1/2	119	119
3KVCX 45/80 M-T	655	840	800	860	175	1085	1205	120	355	2" 1/2	2" 1/2	128	128
3KVCX 55/80 M-T	655	840	800	860	175	1085	1205	120	355	2" 1/2	2" 1/2	131	128
3KVCX 65/80 T	655	840	800	860	175	1185	1205	120	385	2" 1/2	2" 1/2	-	133
3KVCX 35/120 M-T	655	840	800	860	175	940	1205	120	210	2" 1/2	2" 1/2	128	128
3KVCX 45/120 M-T	655	840	800	860	175	995	1205	120	265	2" 1/2	2" 1/2	134	134
3KVCX 65/120 T	655	840	800	860	175	995	1205	120	265	2" 1/2	2" 1/2	-	140
3KVCX 70/120 T	655	840	800	860	175	1085	1205	120	355	2" 1/2	2" 1/2	-	146
3KVCX 85/120 T	655	840	800	860	175	1085	1205	120	355	2" 1/2	2" 1/2	-	148

1 KV 3- 6 -10

SETS WITH 1 VERTICAL MULTISTAGE PUMPS



HYDRAULIC PART

Sets with one pump One multistage KV 3-6-10 type vertical electropump, a membrane vessel suitable for applications in the food sector, a radial pressure gauge, threaded manifolds in galvanised steel, check valve on the suction side and ball valves on the suction and delivery side, gauge holder cock for the control gauge and anti-vibration flexible pipe.

ELECTRICAL PART

Sets with one pump - single-phase version – one two-poles pressure switch connected to the motor, complete with power cable and electric plug.

Three-phase version: overload cutout panel with rearm push button, complete with terminal board for connection to the power line, 1 pressure switch connected to the overload cutout panel.

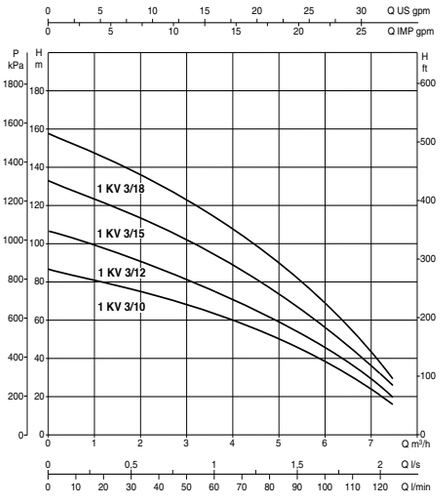
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
1 KV 3/10 M	500310100	1x220-240 V ~	1,1	1,5	7,8	8,2	5÷6
1 KV 3/12 M	500310120	1x220-240 V ~	1,5	2	9,6	10,2	6÷1
1 KV 3/10 T	500310600	3x400 V ~	1,1	1,5	5,6-3,2	8,2	5÷6
1 KV 3/12 T	500310620	3x400 V ~	1,5	2	6,4-3,7	10,2	6÷1
1 KV 3/15 T	500310650	3x400 V ~	1,85	2,5	7,5-4,3	13	8÷9
1 KV 3/18 T	500310680	3x400 V ~	2,2	3	10-5,8	15,8	10÷11
1 KV 6/7 M	500310270	1x220-240 V ~	1,1	1,5	7,5	6	4÷5
1 KV 6/9 M	500310290	1x220-240 V ~	1,5	2	9,4	8	5÷6
1 KV 6/7 T	500310770	3x400 V ~	1,1	1,5	5-2,9	6	4÷5
1 KV 6/9 T	500310790	3x400 V ~	1,5	2	6,2-3,6	8	5÷6
1 KV 6/11 T	500310810	3x400 V ~	1,85	2,5	7,3-4,2	9,8	6÷7
1 KV 6/15 T	500310850	3x400 V ~	2,2	3	11-6,3	13	8÷9
1 KV 10/4 M	500310440	1x220-240 V ~	1,1	1,5	8,3	3,8	2÷3
1 KV 10/5 M	500310450	1x220-240 V ~	1,5	2	10,4	4,8	3÷4
1 KV 10/4 T	500310940	3x400 V ~	1,1	1,5	6,1-3,5	3,8	2÷3
1 KV 10/5 T	500310950	3x400 V ~	1,5	2	6,8-3,9	4,8	3÷4
1 KV 10/6 T	500310960	3x400 V ~	1,85	2,5	8,7-5	5,5	4÷5
1 KV 10/8 T	500310980	3x400 V ~	2,2	3	11,8-6,8	7,2	5÷6

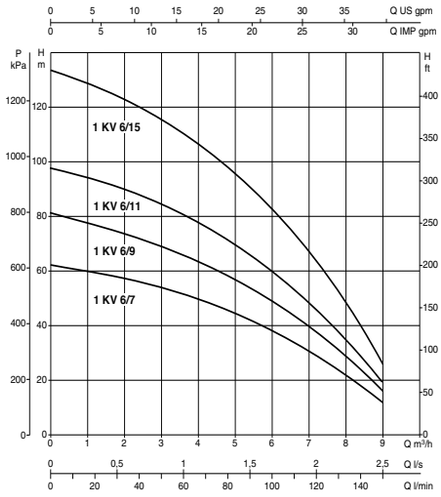
1 KV 3- 6 -10

SETS WITH 1 VERTICAL MULTISTAGE PUMPS

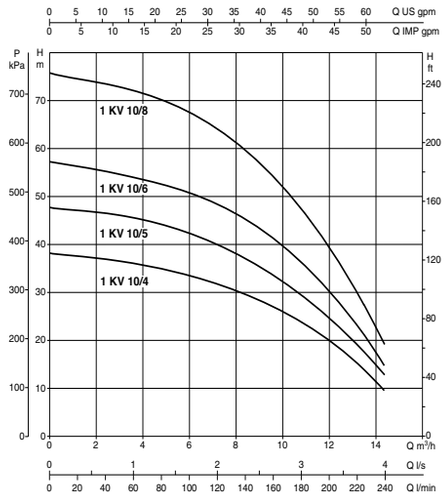
1 KV 3



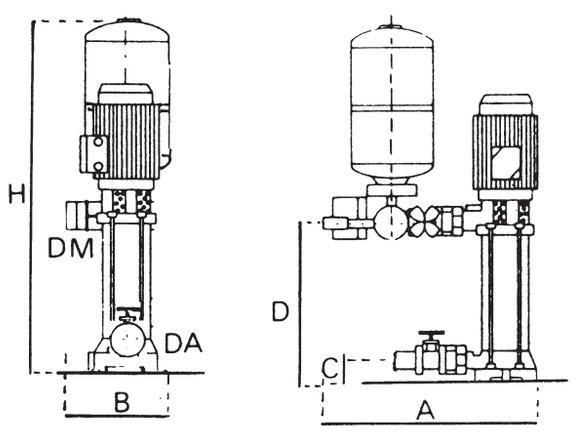
1 KV 6



1 KV 10



DIMENSIONS AND WEIGHTS



MODEL	A	B	C	D	H	Ø MANIFOLD		WEIGHT Kg	
						DNA (suction)	DNM (delivery)	Single-Phase	Three-Phase
1 KV 3/10 M	760	300	120	473	993	1"1/4	1"1/2	39	-
1 KV 3/12 M	760	300	120	596	1116	1"1/4	1"1/2	40	-
1 KV 3/10 T	760	300	120	473	993	1"1/4	1"1/2	-	39
1 KV 3/12 T	760	300	120	596	1116	1"1/4	1"1/2	-	40
1 KV 3/15 T	760	300	120	692	1212	1"1/4	1"1/2	-	41
1 KV 3/18 T	760	300	120	788	1318	1"1/4	1"1/2	-	47
1 KV 6/7 M	760	300	120	436	956	1"1/4	1"1/2	37	-
1 KV 6/9 M	760	300	120	500	1020	1"1/4	1"1/2	40	-
1 KV 6/7 T	760	300	120	436	956	1"1/4	1"1/2	-	37
1 KV 6/9 T	760	300	120	500	1020	1"1/4	1"1/2	-	40
1 KV 6/11 T	760	300	120	564	1084	1"1/4	1"1/2	-	38
1 KV 6/15 T	760	300	120	692	1212	1"1/4	1"1/2	-	45
1 KV 10/4 M	760	300	120	340	860	1"1/4	1"1/2	35	-
1 KV 10/5 M	760	300	120	372	892	1"1/4	1"1/2	40	-
1 KV 10/4 T	760	300	120	340	860	1"1/4	1"1/2	-	35
1 KV 10/5 T	760	300	120	372	892	1"1/4	1"1/2	-	40
1 KV 10/6 T	760	300	120	404	920	1"1/4	1"1/2	-	38
1 KV 10/8 T	760	300	120	468	988	1"1/4	1"1/2	-	43

2/3 KV 3- 6 -10

SETS WITH 2 -3 VERTICAL MULTISTAGE PUMPS



HYDRAULIC PART

Sets with 2 or 3 multistage KV 3-6-10 type vertical electropumps, a membrane vessel suitable for applications in the food sector, a radial pressure gauge, threaded manifolds in galvanised steel, check valve on the suction side and ball valves on the suction and delivery side, gauge holder cock for the control gauge and anti-vibration flexible pipe.

ELECTRICAL PART

Sets with 2 or 3 - single-phase version – one two-poles pressure switch connected to the motor, complete with power cable and electric plug.

Three-phase version: overload cutout panel with rearm push button, complete with terminal board for connection to the power line, 1 pressure switch connected to the overload cutout panel.

TECHNICAL DATA - 2 KV

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X2	HP X 2			
2 KV3/10 M	500320102	1 X 230 V ~	1,1	1,5	2x7,8	8,2	4,5÷6
2 KV3/12 M	500320122	1 X 230 V ~	1,5	2	2x9,6	10,2	5,5÷7
2 KV6/7 M	500320272	1 X 230 V ~	1,1	1,5	2x7,5	6	3,5÷5
2 KV6/9 M	500320292	1 X 230 V ~	1,5	2	2x9,4	8	4,5÷6
2 KV10/4 M	500320442	1 X 230 V ~	1,1	1,5	2x8,3	3,8	1,5÷3
2 KV10/5 M	500320452	1 X 230 V ~	1,5	2	2x10,4	4,8	2,5÷4
2 KV3/10 T	500320602	3 X 400 V ~	1,1	1,5	2x5,6-3,2	8,2	4,5÷6
2 KV3/12 T	500320622	3 X 400 V ~	1,5	2	2x6,4-3,7	10,2	5,5÷7
2 KV3/15 T	500320652	3 X 400 V ~	1,85	2,5	2x7,5-4,3	13	7,5÷9
2 KV3/18 T	500320682	3 X 400 V ~	2,2	3	2x10-5,8	15,8	9,5÷11
2 KV6/7 T	500320772	3 X 400 V ~	1,1	1,5	2x5-2,9	6	3,5÷5
2 KV6/9 T	500320792	3 X 400 V ~	1,5	2	2x6,2-3,6	8	4,5÷6
2 KV6/11 T	500320812	3 X 400 V ~	1,85	2,5	2x7,3-4,2	9,8	5,5÷7
2 KV6/15 T	500320852	3 X 400 V ~	2,2	3	2x11-6,3	13	7,5÷9
2 KV10/4 T	500320942	3 X 400 V ~	1,1	1,5	2x6,1-3,5	3,8	1,5÷3
2 KV10/5 T	500320952	3 X 400 V ~	1,5	2	2x6,8-3,9	4,8	2,5÷4
2 KV10/6 T	500320962	3 X 400 V ~	1,85	2,5	2x8,7-5	5,5	3,5÷5
2 KV10/8 T	500320982	3 X 400 V ~	2,2	3	2x11,8-6,8	7,2	4,5÷6

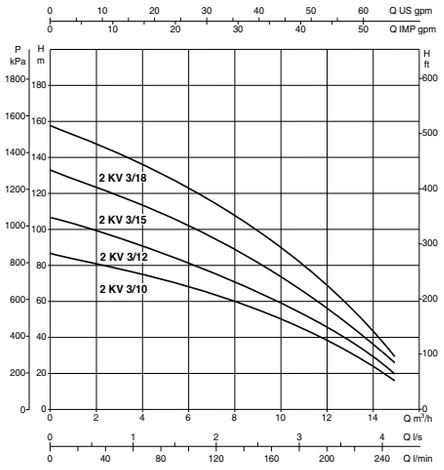
TECHNICAL DATA - 3 KV

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X3	HP X 3			
3 KV3/10 M	500330102	1 X 230 V ~	1,1	1,5	3x7,8	8,2	4÷6
3 KV3/12 M	500330122	1 X 230 V ~	1,5	2	3x9,6	10,2	6÷8
3 KV6/7 M	500330272	1 X 230 V ~	1,1	1,5	3x7,5	6	3÷5
3 KV6/9 M	500330292	1 X 230 V ~	1,5	2	3x9,4	8	5÷7
3 KV10/4 M	500330442	1 X 230 V ~	1,1	1,5	3x8,3	3,8	2÷3
3 KV10/5 M	500330452	1 X 230 V ~	1,5	2	3x10,4	4,8	3÷4
3 KV3/10 T	500330602	3 X 400 V ~	1,1	1,5	3x5,6-3,2	8,2	4÷6
3 KV3/12 T	500330622	3 X 400 V ~	1,5	2	3x6,4-3,7	10,2	6÷8
3 KV3/15 T	500330652	3 X 400 V ~	1,85	2,5	3x7,5-4,3	13	8÷10
3 KV3/18 T	500330682	3 X 400 V ~	2,2	3	3x10-5,8	15,8	10÷12
3 KV6/7 T	500330772	3 X 400 V ~	1,1	1,5	3x5-2,9	6	3÷5
3 KV6/9 T	500330792	3 X 400 V ~	1,5	2	3x6,2-3,6	8	5÷7
3 KV6/11 T	500330812	3 X 400 V ~	1,85	2,5	3x7,3-4,2	9,8	6÷8
3 KV6/15 T	500330852	3 X 400 V ~	2,2	3	3x11-6,3	13	8÷10
3 KV10/4 T	500330942	3 X 400 V ~	1,1	1,5	3x6,1-3,5	3,8	2÷3
3 KV10/5 T	500330952	3 X 400 V ~	1,5	2	3x6,8-3,9	4,8	3÷4
3 KV10/6 T	500330962	3 X 400 V ~	1,85	2,5	3x8,7-5	5,5	4÷5
3 KV10/8 T	500330982	3 X 400 V ~	2,2	3	3x11,8-6,8	7,2	5÷6

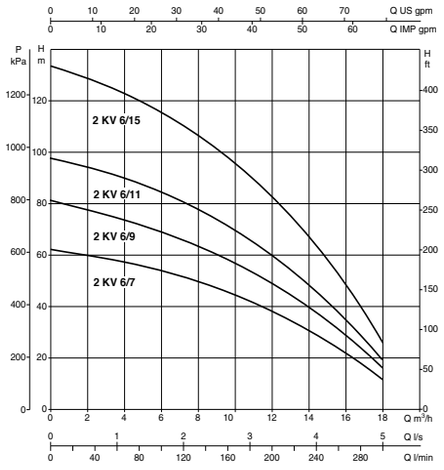
2/3 KV 3- 6 -10

SETS WITH 2 -3 VERTICAL MULTISTAGE PUMPS

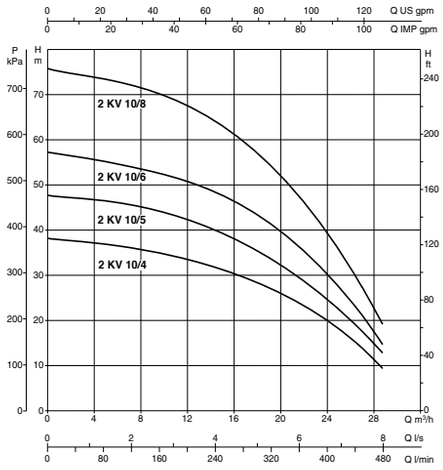
2 KV 3



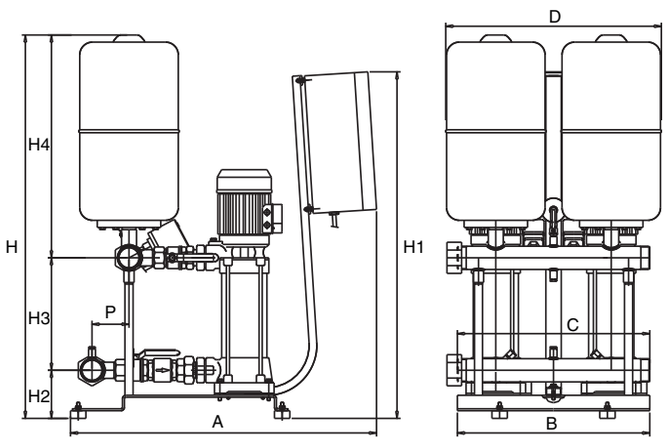
2 KV 6



2 KV 10



DIMENSIONS AND WEIGHTS 2 KV

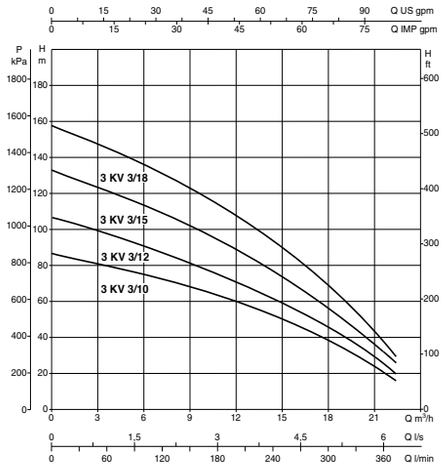


MODEL	A	B	C	D	P	H	H1	H2	H3	H4	Ø MANIFOLD		WEIGHT Kg.
											SUCTION	DELIVERY	
2 KV 3/10 M	795	500	500	560	96	1117	900	125	412	580	2"	2"	118
2 KV 3/12 M	795	500	500	560	96	1181	900	125	476	580	2"	2"	124
2 KV 6/7 M	795	500	500	560	96	1021	900	125	316	580	2"	2"	116
2 KV 6/9 M	795	500	500	560	96	1085	900	125	380	580	2"	2"	121
2 KV 10/4 M	795	500	500	560	108	925	900	125	220	580	2 1/2"	2 1/2"	112
2 KV 10/5 M	795	500	500	560	108	957	900	125	252	580	2 1/2"	2 1/2"	115
2 KV 3/10 T	795	500	500	560	96	1117	900	125	412	580	2"	2"	123
2 KV 3/12 T	795	500	500	560	96	1117	900	125	476	580	2"	2"	129
2 KV 3/15 T	795	500	500	560	96	1277	900	125	572	580	2"	2"	134
2 KV 3/18 T	795	500	500	560	96	1373	900	125	668	580	2"	2"	141
2 KV 6/7 T	795	500	500	560	96	1021	900	125	316	580	2"	2"	121
2 KV 6/9 T	795	500	500	560	96	1085	900	125	380	580	2"	2"	126
2 KV 6/11 T	795	500	500	560	96	1149	900	125	444	580	2"	2"	128
2 KV 6/15 T	795	500	500	560	96	1277	900	125	572	580	2"	2"	140
2 KV 10/4 T	795	500	500	560	108	925	900	125	220	580	2 1/2"	2 1/2"	117
2 KV 10/5 T	795	500	500	560	108	957	900	125	250	580	2 1/2"	2 1/2"	120
2 KV 10/6 T	795	500	500	560	108	989	900	125	284	580	2 1/2"	2 1/2"	126
2 KV 10/8 T	795	500	500	560	108	1053	900	125	348	580	2 1/2"	2 1/2"	132

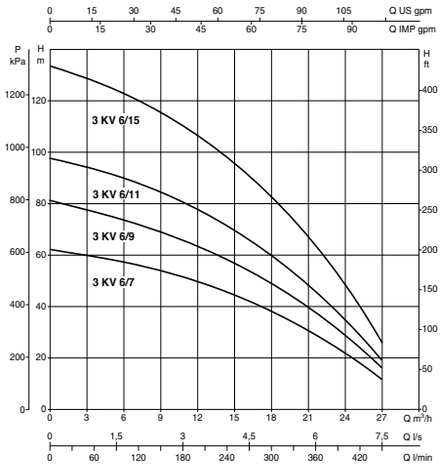
2/3 KV 3- 6 -10

SETS WITH 2 -3 VERTICAL MULTISTAGE PUMPS

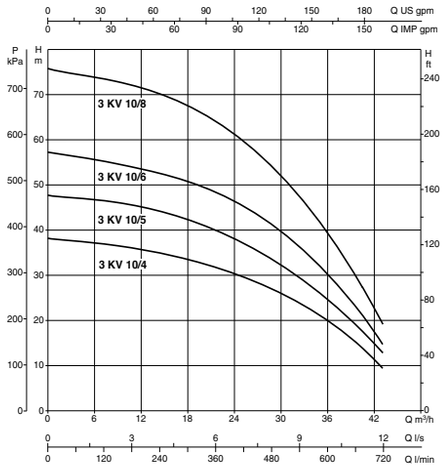
3 KV 3



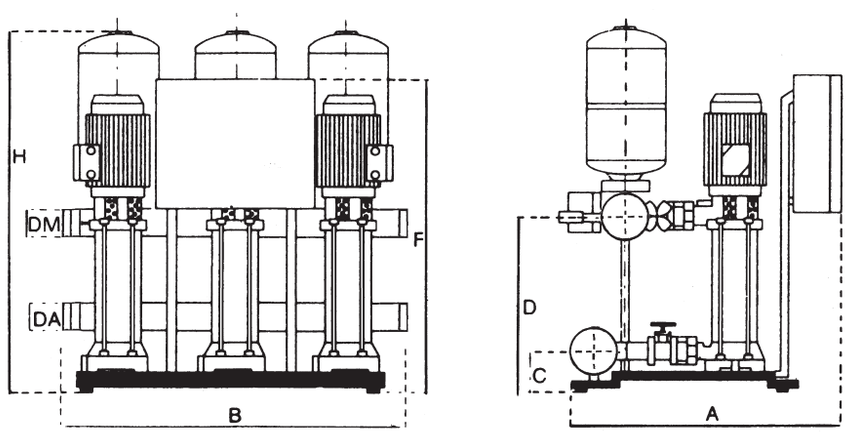
3 KV 6



3 KV 10



DIMENSIONS AND WEIGHTS 3 KV



MODEL	A	B	C	D	F	H	Ø MANIFOLD		WEIGHT Kg.
							SUCTION	DELIVERY	
3 KV 3/10 M	710	825	120	532	847	1122	2"1/2"	2"1/2"	156
3 KV 3/12 M	710	825	120	596	911	1186	2"1/2"	2"1/2"	168
3 KV 6/7 M	710	825	120	436	750	1026	2"	2"	153
3 KV 6/9 M	710	825	120	500	815	1090	2"1/2"	2"1/2"	162
3 KV 10/4 M	740	940	120	340	655	942	DN 80	DN 80	201
3 KV 10/5 M	740	940	120	372	690	974	DN 80	DN 80	216
3 KV 3/10 T	785	825	120	532	847	1122	2"1/2"	2"1/2"	156
3 KV 3/12 T	785	825	120	596	911	1186	2"1/2"	2"1/2"	165
3 KV 3/15 T	785	825	120	692	1007	1282	2"1/2"	2"1/2"	168
3 KV 3/18 T	785	825	120	788	1181	1378	2"1/2"	2"1/2"	183
3 KV 6/7 T	785	825	120	436	750	1026	2"1/2"	2"1/2"	153
3 KV 6/9 T	785	825	120	500	815	1090	2"1/2"	2"1/2"	162
3 KV 6/11 T	785	825	120	664	880	1154	2"1/2"	2"1/2"	170
3 KV 6/15 T	785	825	120	692	1065	1282	2"1/2"	2"1/2"	177
3 KV 10/4 T	810	940	120	340	810	942	DN 80	DN 80	201
3 KV 10/5 T	810	940	120	372	810	974	DN 80	DN 80	216
3 KV 10/6 T	810	940	120	404	810	1006	DN 80	DN 80	210
3 KV 10/8 T	810	940	120	468	855	1070	DN 80	DN 80	225

DAB PUMPS reserves the right to make modifications without notice

DAB WATER•TECHNOLOGY

1 / 2 / 3 NKV

SETS WITH VERTICAL AXIS MULTISTAGE CENTRIFUGAL PUMPS



Construction features

- Sets composed of N. 1-2-3 main vertical axis multistage centrifugal pumps type NKV
- AISI 304 stainless steel impellers, all parts in contact with the liquid are stainless
- Asynchronous three-phase motor, motor-pump connection with rigid coupling.
- Pump body in cast iron, impeller in technopolymer, pump shaft in stainless steel, carbon/ ceramic mechanical seal. Three-phase asynchronous motor.
- Pumps mounted to a single skid in galvanized steel.
- Available also with KV 3 jockey pump.

HYDRAULIC SECTION OF PUMP SET

Suction manifold Inox, discharge manifold, pressure transducer, electrical control panel, n. 1-2-3 expansion vessels each of 20 litre capacity.
Suction port of each pump equipped with isolator valve; Discharge port of each pump equipped with isolator and check valve.

ELECTRICAL CONTROL PANEL

- Control panel in metal IP 54 enclosure, mounted to the electric pumps skid.

Direct starting up to 7.5 kW inclusive, start delta starting above this value.
Front of control panel features AUT-0- MAN mode selectors and run indicator lights.
For information, please contact our sales network.

TECHNICAL DATA 1 NKV

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
1NKV 10/5 T	60140700	3 X 400 V ~	2,2	3	4,7	5	4,0
1NKV 10/6 T	60140701	3 X 400 V ~	2,2	3	4,7	6	5,0
1NKV 10/7 T	60140702	3 X 400 V ~	3	4	5,8	7	6,0
1NKV 10/8 T	60140703	3 X 400 V ~	3	4	5,8	8	7,0
1NKV 10/9 T	60140704	3 X 400 V ~	3	4	5,8	9	8,0
1NKV 10/10 T	60140705	3 X 400 V ~	4	5,5	7,6	10	8,5
1NKV 10/12 T	60140706	3 X 400 V ~	4	5,5	7,6	12	10
1NKV 10/14 T	60140707	3 X 400 V ~	5,5	7,5	11	14	12
1NKV 15/3 T	60140708	3 X 400 V ~	3	4	5,8	4	3,5
1NKV 15/4 T	60140709	3 X 400 V ~	4	5,5	7,6	5	4
1NKV 15/5 T	60140710	3 X 400 V ~	4	5,5	7,6	6,5	5
1NKV 15/6 T	60140711	3 X 400 V ~	5,5	7,5	11	7,7	6,5
1NKV 15/7 T	60140712	3 X 400 V ~	5,5	7,5	11	9	8
1NKV 15/8 T	60140713	3 X 400 V ~	7,5	10	14,8	10	9
1NKV 15/9 T	60140714	3 X 400 V ~	7,5	10	14,8	12	10
1NKV 15/10 T	60140715	3 X 400 V ~	11	15	22,4	13	11
1NKV 20/3 T	60140716	3 X 400 V ~	4	5,5	7,6	4	3
1NKV 20/4 T	60140717	3 X 400 V ~	5,5	7,5	11	5,5	4,5
1NKV 20/5 T	60140718	3 X 400 V ~	5,5	7,5	11	7	6
1NKV 20/6 T	60140719	3 X 400 V ~	7,5	10	14,8	8,5	7
1NKV 20/7 T	60140720	3 X 400 V ~	7,5	10	14,8	10	8,5
1NKV 20/8 T	60140721	3 X 400 V ~	11	15	22,4	11	9,5
1NKV 20/9 T	60140722	3 X 400 V ~	11	15	22,4	12,5	10
1NKV 20/10 T	60140723	3 X 400 V ~	11	15	22,4	14	12

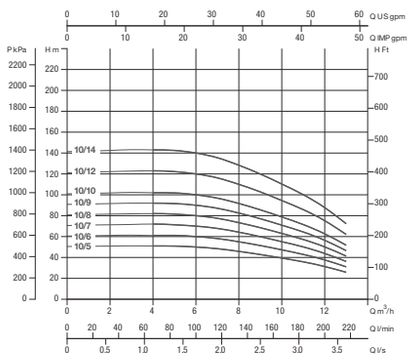
TECHNICAL DATA 2 NKV

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
2NKV 10/5 T	60140778	3 X 400 V ~	2x 2,2	2x 3	2x 4,7	5	4,0
2NKV 10/6 T	60140779	3 X 400 V ~	2x 2,2	2x 3	2x 4,7	6	5,0
2NKV 10/7 T	60140780	3 X 400 V ~	2x 3	2x 4	2x 5,8	7	6,0
2NKV 10/8 T	60140781	3 X 400 V ~	2x 3	2x 4	2x 5,8	8	7,0
2NKV 10/9 T	60140782	3 X 400 V ~	2x 3	2x 4	2x 5,8	9	8,0
2NKV 10/10 T	60140783	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	10	8,5
2NKV 10/12 T	60140784	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	12	10
2NKV 10/14 T	60140785	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	14	12
2NKV 15/3 T	60140786	3 X 400 V ~	2x 3	2x 4	2x 5,8	4	3,5
2NKV 15/4 T	60140787	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	5	4
2NKV 15/5 T	60140788	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	6,5	5
2NKV 15/6 T	60140789	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	7,7	6,5
2NKV 15/7 T	60140790	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	9	8
2NKV 15/8 T	60140791	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	10	9
2NKV 15/9 T	60140792	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	12	10
2NKV 15/10 T	60140793	3 X 400 V ~	2x 11	2x 15	2x 22,4	13	11
2NKV 20/3 T	60140794	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	4	3
2NKV 20/4 T	60140795	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	5,5	4,5
2NKV 20/5 T	60140796	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	7	6
2NKV 20/6 T	60140797	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	8,5	7
2NKV 20/7 T	60140798	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	10	8,5
2NKV 20/8 T	60140799	3 X 400 V ~	2x 11	2x 15	2x 22,4	11	9,5
2NKV 20/9 T	60140800	3 X 400 V ~	2x 11	2x 15	2x 22,4	12,5	10
2NKV 20/10 T	60140801	3 X 400 V ~	2x 11	2x 15	2x 22,4	14	12

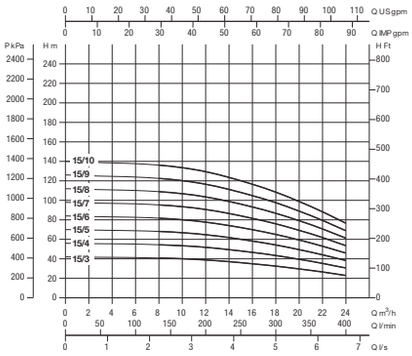
TECHNICAL DATA 3 NKV

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
3NKV 10/5 T	60140856	3 X 400 V ~	3x 2,2	3x 3	3x 4,7	5	4,0
3NKV 10/6 T	60140857	3 X 400 V ~	2x 2,2	3x 3	3x 4,7	6	5,0
3NKV 10/7 T	60140858	3 X 400 V ~	3x 3	3x 4	3x 5,8	7	6,0
3NKV 10/8 T	60140859	3 X 400 V ~	3x 3	3x 4	3x 5,8	8	7,0
3NKV 10/9 T	60140860	3 X 400 V ~	3x 3	3x 4	3x 5,8	9	8,0
3NKV 10/10 T	60140861	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	10	8,5
3NKV 10/12 T	60140862	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	12	10
3NKV 10/14 T	60140863	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	14	12
3NKV 15/3 T	60140864	3 X 400 V ~	3x 3	3x 4	3x 5,8	4	3,5
3NKV 15/4 T	60140865	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	5	4
3NKV 15/5 T	60140866	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	6,5	5
3NKV 15/6 T	60140867	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	7,7	6,5
3NKV 15/7 T	60140868	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	9	8
3NKV 15/8 T	60140869	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	10	9
3NKV 15/9 T	60140870	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	12	10
3NKV 15/10 T	60140871	3 X 400 V ~	3x 11	3x 15	3x 22,4	13	11
3NKV 20/3 T	60140872	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	4	3
3NKV 20/4 T	60140873	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	5,5	4,5
3NKV 20/5 T	60140874	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	7	6
3NKV 20/6 T	60140875	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	8,5	7
3NKV 20/7 T	60140876	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	10	8,5
3NKV 20/8 T	60140877	3 X 400 V ~	3x 11	3x 15	3x 22,4	11	9,5
3NKV 20/9 T	60140878	3 X 400 V ~	3x 11	3x 15	3x 22,4	12,5	10
3NKV 20/10 T	60140879	3 X 400 V ~	3x 11	3x 15	3x 22,4	14	12

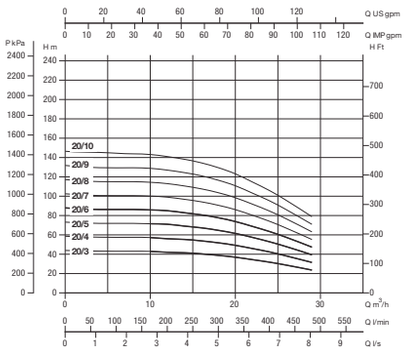
1 NKV 10



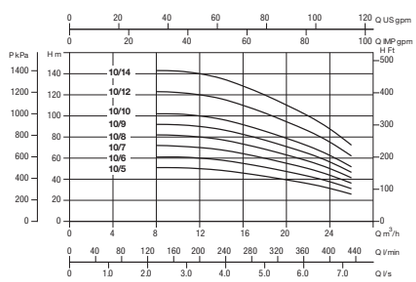
1 NKV 15



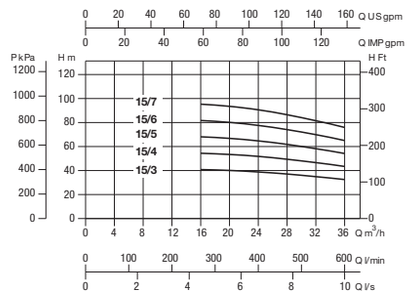
1 NKV 20



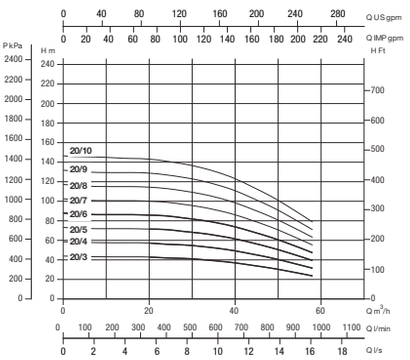
2 NKV 10



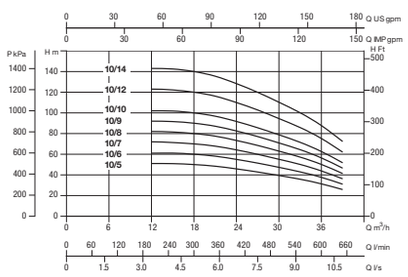
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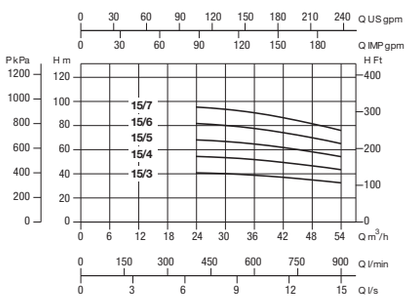
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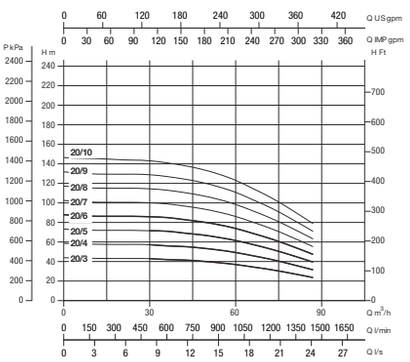
3 NKV 10



3 NKV 15

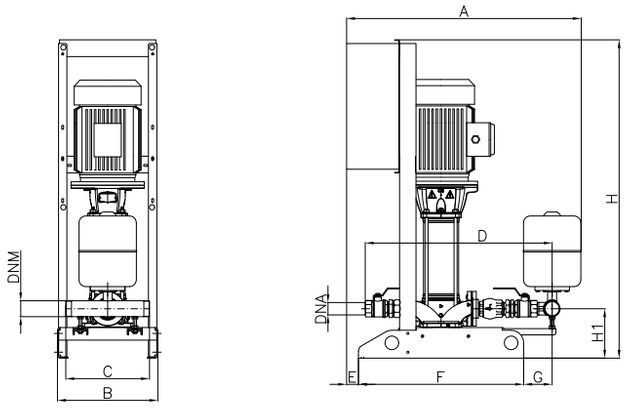


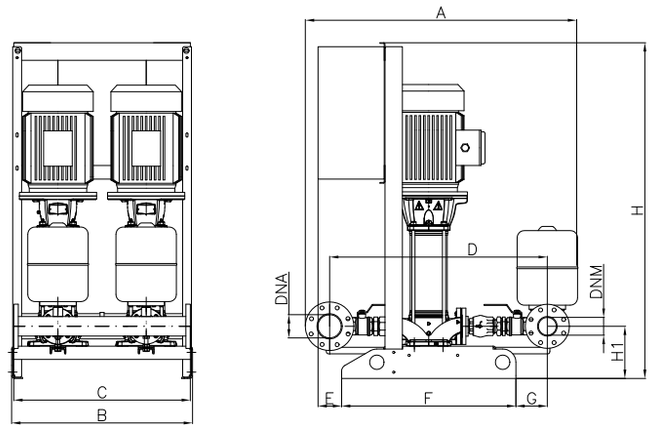
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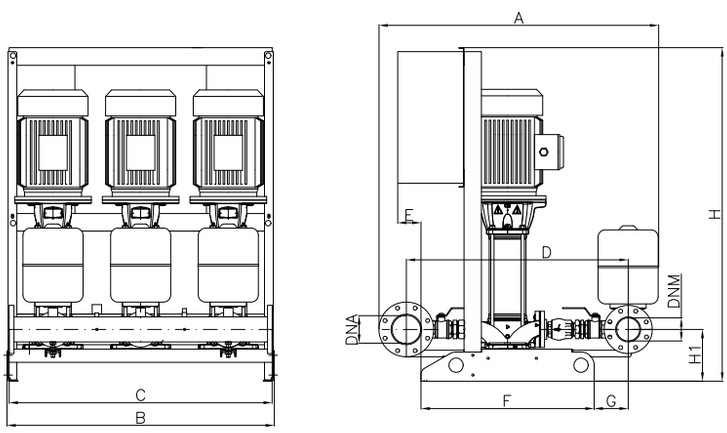


DAB PUMPS reserves the right to make modifications without notice

DIMENSIONS AND WEIGHTS







MODEL	A	B	C	D	E	F	G	H	H1	Ø		WEIGHT Kg.
										DNA	DNM	
1 NKV 10	1060	480	400	790	60	790	72	1525	226	1"1/2	2"	118
1 NKV 15-20	1125	480	400	880	60	790	136	1525	236	2"	2"1/2	124
2 NKV 10	1120	820	800	860	110	790	80	1525	226	2"1/2	2"1/2	123
2 NKV 15-20	1265	820	800	975	110	790	145	1525	236	DN 100	DN 80	129
3 NKV 10	1125	1220	1200	870	110	790	86	1525	226	DN 0	DN 80	134
3 NKV 15-20	1265	1220	1200	1000	110	790	155	1525	236	DN 125	DN 100	141

1 / 2 / 3 KV 50

WITH MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS





Characterised by the use of "KV" type multi-impeller vertical axis electric pumps, these sets are acclaimed for their high efficiency, application versatility, and very low noise operation.
Utilised in large scale civil and industrial installations, selection of these sets must be performed by skilled engineers capable of assessing the effective requirements of the systems on which they are to be installed.

HYDRAULIC SECTION

-1-2-3 vertical multistage electric pumps KV 50;
-Skid in galvanised steel complete with 4 rubber anti-vibration feet;
-Flanged suction and discharge manifolds in galvanized steel complete with blank flange;
-Isolator valves on suction and discharge
-Flanged check valve on suction side;
-Antivibration flexible coupling for connection to discharge pipe;
-BY-PASS circuit complete with isolator valve and automatic safety valve;
-Radial pressure gauge with isolator valve;
-Galvanized steel column for adjustable mounting of the control panel;
-Membrane pressure tanks.

ELECTRICAL SECTION CONTROL PANEL

Direct Starting for unit power ratings up to 7.5 kW inclusive.
Star-Delta starting for unit power ratings up to 9.2 kW inclusive.
Cabinet in sheet steel with IP 55 protection rating and lever handle with lock. Door lock switch, remote motor protectors with thermal relays and electric pump fuses, low voltage control circuit (24 Volt) feeding remote motor protectors, adjustable delayed pumps stop time (supplementary run), system to change starting sequence for sets of 2-3 electric pumps. Selector for Automatic (my means of pressure switches installed on discharge manifold) or Manual operation of electric pumps. Terminal board for connection of minimum pressure switch for pump stopping, float switch to protect against dry running, remote pump start command.

CONTROL PRESSURE SWITCHES

Electric pump control pressure switches precalibrated and installed on the discharge manifold.
The pressure switches operate the remote motor protectors to invert the electric pumps in cascade mode.

JOCKEY PUMP – COMPENSATION FUNCTION (cuts in to compensate for small quantity water demand to avoid wasteful starting of the main electric pumps) The sets are available also with the KV 3 jockey pump complete with valves and connected to the suction and discharge manifolds.
Electric control and protection circuit for jockey pump in main electric pump control cabinet for 1-2 K sets. Separate control cabinet for 3 K pump sets.

WEEKLY TEST RUN (must be requested at time of order - cannot be retrofitted)

The pump sets are available also with a weekly test run system, composed of a programmable weekly timer, an audibleilluminated alarm, a drain solenoid valve on the discharge manifold, an automatic reset emergency stop pushbutton, and a minimum pressure switch.
With the weekly test run the electric pumps are started periodically for a few minutes to prevent mechanical seizure during prolonged periods of disuse.
At the end of the test any faults are signalled by the alarm function. The 1-2-3 KV 50/7 - 1-2-3 KV 50/6 - 1-2-3 KV 50/8 - 1-2-3 KV 50/9 pump sets are supplied without membrane pressure tanks and without flexible couplings.
The pump sets are supplied in a strong carton on a wooden pallet complete with instruction leaflet and wiring diagram.

TECHNICAL DATA - 1 KV 50

1 PUMP

MODEL	CODE
1 KV50/3 T	500410730
1 KV50/4 T	500410740
1 KV50/5 T	500410750
1 KV50/6 T	500410760
1 KV50/7 T	500410770
1 KV50/8 T	500410780
1 KV50/9 T	500410790

1 PUMP + PILOT PUMP

MODEL	CODE
1 KV50/3 T pilot pump 3/12 T	500415300
1 KV50/4 T pilot pump 3/15 T	500415310
1 KV50/5 T pilot pump 3/18 T	500415320

1 PUMP + WEEKLY TEST

MODEL	CODE
1 KV50/3 T + PS	500411730
1 KV50/4 T + PS	500411740
1 KV50/5 T + PS	500411750
1 KV50/6 T + PS	500411760

* The unit is supplied without membrane tanks and vibration dampening joints.

1 PUMP + PILOT PUMP + WEEKLY TEST

MODEL	CODE
1 KV50/3 T (pilot pump 3/12 T) + PS	500415800
1 KV50/4 T (pilot pump 3/15 T) + PS	500415810
1 KV50/5 T (pilot pump 3/18 T) +PS	500415820

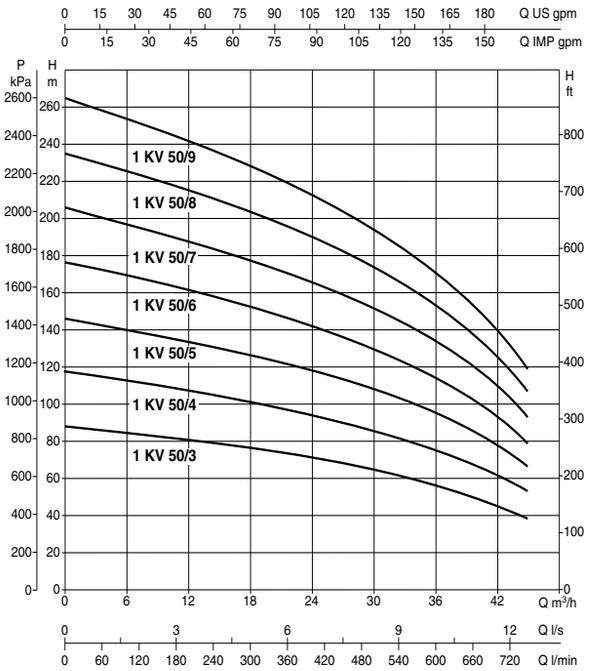
1 / 2 / 3 KV 50

WITH MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS

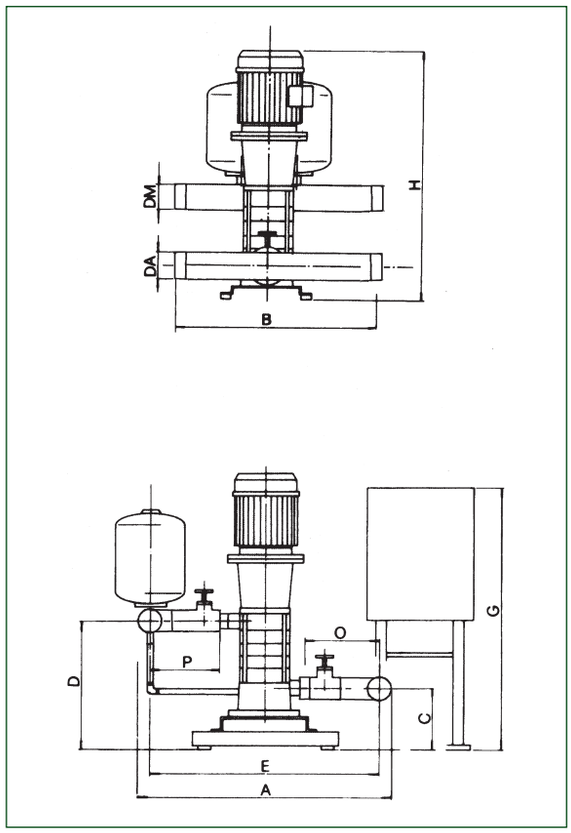
MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		In	PRESSURE SWITCH SETTING INBAR	MAX PRESSURE OBTAINABLE BAR	PILOT PUMP			
			kW	HP	A			TYPE	CODE	P2 Kw	P2 HP
1 KV 50/3 T*	**500410730**	3x400 V ~	9,2	12,5	18	6÷7	8,6	KV 3/12 T	**500415300**	1,5	2
1 KV 50/4 T*	**500410740**	3x400 V ~	11	15	22	8÷9	11,5	KV 3/15 T	**500415310**	1,85	2,5
1 KV 50/5 T*	**500410750**	3x400 V ~	15	20	30	10÷11	14,8	KV 3/18 T	**500415320**	2,2	3
1 KV 50/6 T	**500410760**	3x400 V ~	18,5	25	36	12÷13	17,6	–		–	–
1 KV 50/7 T	**500410770**	3x400 V ~	22	30	40	14÷15	20,4	–		–	–
1 KV 50/8 T	**500410780**	3x400 V ~	22	30	40	16÷17	23	–		–	–
1 KV 50/9 T	**500410790**	3x400 V ~	30	40	56	18÷19	26	–		–	–

*** Pilote pump available on demand.**

1 KV 50



DIMENSIONS AND WEIGHTS 1 KV 50



MODEL	A	B	C	D	E	G	H	O	P	I	L	M	Fxn°	Ø MANIFOLD		WEIGHT Kg.
														SUCTION	DELIVERY	
1 KV 50/3	1175	550	233	423	855	1005	1060	250	235	130	200	160	18x4	DN 80 - PN 16	DN 80 - PN 16	390
1 KV 50/4	1175	550	233	477	855	1005	1180	250	235	130	200	160	18x4	DN 80 - PN 16	DN 80 - PN 16	418
1 KV 50/5	1175	550	233	531	855	1005	1310	250	235	130	200	160	18x4	DN 80 - PN 16	DN 80 - PN 16	470
1 KV 50/6	1175	550	233	585	855	1005	1405	250	235	130	200	160	18x4	DN 80 - PN 16	DN 80 - PN 16	485
1 KV 50/7	1175	550	233	639	855	1005	1485	250	235	130	200	160	18x4	DN 80 - PN 25	DN 80 - PN 25	503
1 KV 50/8	1175	550	233	693	855	1005	1540	250	235	130	200	160	18x4	DN 80 - PN 25	DN 80 - PN 25	513
1 KV 50/9	1175	550	233	747	855	1005	1690	250	235	130	200	160	18x4	DN 80 - PN 25	DN 80 - PN 25	650

TECHNICAL DATA - 2 KV 50

1 PUMP

MODEL	CODE
2 KV50/3 T	500420730
2 KV50/4 T	500420740
2 KV50/5 T	500420750
2 KV50/6 T	500420760
2 KV50/7 T	500420770
2 KV50/8 T	500420780
2 KV50/9 T	500420790

* The unit is supplied without membrane tanks and vibration dampening joints.

1 PUMP + PILOT PUMP

MODEL	CODE
2 KV50/3 T (pilot pump 3/12 T)	500422300
2 KV50/4 T (pilot pump 3/15 T)	500422310
2 KV50/5 T (pilot pump 3/18 T)	500422320

1 PUMP + WEEKLY TEST

MODEL	CODE
2 KV50/3 T + PS	500421730
2 KV50/4 T + PS	500421740
2 KV50/5 T + PS	500421750
2 KV50/6 T + PS	500421760

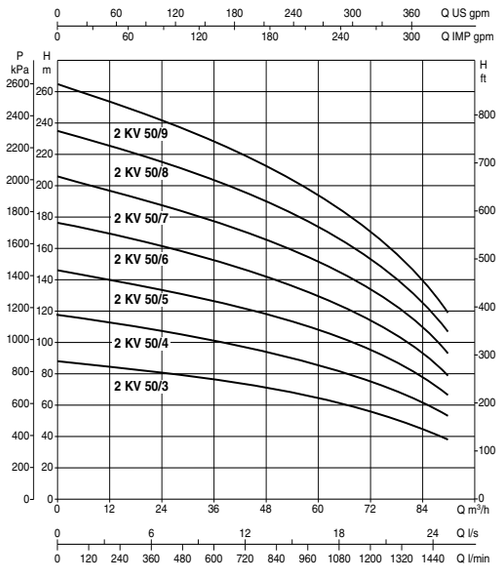
* The unit is supplied without membrane tanks and vibration dampening joints.

1 PUMP + PILOT PUMP + WEEKLY TEST

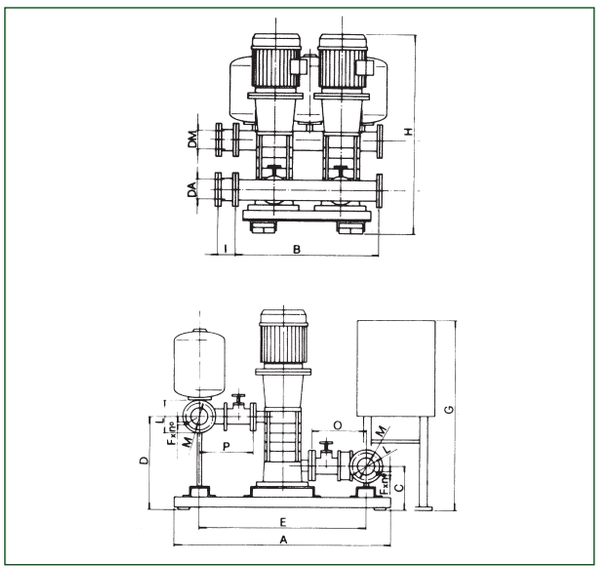
MODEL	CODE
2 KV50/3 T (pilot pump 3/12 T) + PS	500422800
2 KV50/4 T (pilot pump 3/15 T) + PS	500422810
2 KV50/5 T (pilot pump 3/18 T) +PS	500422820

MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		In	PRESSURE SWITCH SETTING INBAR	MAX PRESSURE OBTAINABLE BAR	PILOT PUMP			
			kW	HP	A			TYPE	CODE	P2 Kw	P2 HP
2 KV 50/3 T*	500420730	3x400 V ~	2x9,2	2x12,5	2x18	5,5÷7	8,6	KV 3/12 T	500422300	1,5	2
2 KV 50/4 T*	500420740	3x400 V ~	2x11	2x15	2x22	7,5÷9	11,5	KV 3/15 T	500422310	1,85	2,5
2 KV 50/5 T*	500420750	3x400 V ~	2x15	2x20	2x30	9,5÷11	14,8	KV 3/18 T	500422320	2,2	3
2 KV 50/6 T	500420760	3x400 V ~	2x18,5	2x25	2x36	11,5÷13	17,6	–		–	–
2 KV 50/7 T	500420770	3x400 V ~	2x22	2x30	2x40	13,5÷15	20,4	–		–	–
2 KV 50/8 T	500420780	3x400 V ~	2x22	2x30	2x40	15,5÷17	23	–		–	–
2 KV 50/9 T	500420790	3x400 V ~	2x30	2x40	2x56	17,5÷19	26	–		–	–

2 KV 50



DIMENSIONS AND WEIGHTS 2 KV 50



MODEL	A	B	C	D	E	G	H	O	P	I	L	M	Fxn°	Ø MANIFOLD SUCTION	Ø MANIFOLD DELIVERY	WEIGHT Kg.
2 KV 50/3	1400	1000	300	483	1130	1250	1120	500	270	170	250	210	18x8	DN 125 - PN 16	DN 125 - PN 16	740
2 KV 50/4	1400	1000	300	537	1130	1250	1240	500	270	170	250	210	18x8	DN 125 - PN 16	DN 125 - PN 16	790
2 KV 50/5	1400	1000	300	591	1130	1250	1380	500	270	170	250	210	18x8	DN 125 - PN 16	DN 125 - PN 16	885
2 KV 50/6	1400	1000	300	645	1130	1250	1465	500	270	170	250	210	18x8	DN 125 - PN 16	DN 125 - PN 16	906
2 KV 50/7	1400	1000	300	699	1130	1250	1545	500	270	170	250	210	18x8	DN 125 - PN 25	DN 125 - PN 25	942
2 KV 50/8	1400	1000	300	753	1130	1250	1600	500	270	170	250	210	18x8	DN 125 - PN 25	DN 125 - PN 25	976
2 KV 50/9	1400	1000	300	807	1130	1250	1750	500	270	170	250	210	18x8	DN 125 - PN 25	DN 125 - PN 25	1200

TECHNICAL DATA - 3 KV 50

1 PUMP

MODEL	CODE
3 KV50/3 T	500430730
3 KV50/4 T	500430740
3 KV50/5 T	500430750
3 KV50/6 T	500430760
3 KV50/7 T	500430770
3 KV50/8 T	500430780
3 KV50/9 T	500430790

* The unit is supplied without membrane tanks and vibration dampening joints.

1 PUMP + PILOT PUMP

MODEL	CODE
3 KV50/3 T (pilot pump 3/12 T)	500432300
3 KV50/4 T (pilot pump 3/15 T)	500432310
3 KV50/5 T (pilot pump 3/18 T)	500432320

1 PUMP + WEEKLY TEST

MODEL	CODE
3 KV50/3 T + PS	500431730
3 KV50/4 T + PS	500431740
3 KV50/5 T + PS	500431750
3 KV50/6 T + PS	500431760

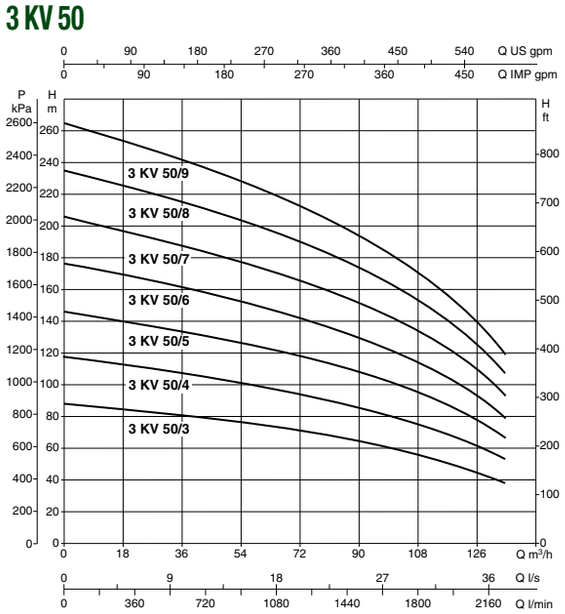
* The unit is supplied without membrane tanks and vibration dampening joints.

1 PUMP + PILOT PUMP + WEEKLY TEST

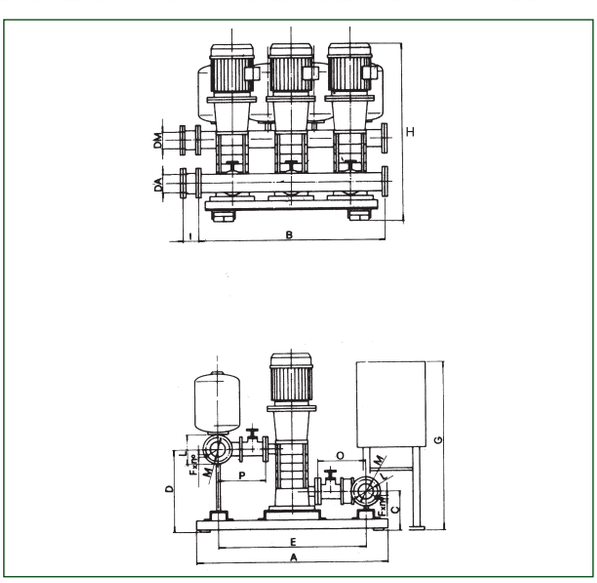
MODEL	CODE
3 KV50/3 T pilot pump 3/12 T + PS	500432800
3 KV50/4 T pilot pump 3/15 T + PS	500432810
3 KV50/5 T pilot pump 3/18 T +PS	500432820

MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		In	PRESSURE SWITCH SETTING INBAR	MAX PRESSURE OBTAINABLE BAR	PILOT PUMP			
			kW	HP	A			TYPE	CODE	P2 Kw	P2 HP
3 KV 50/3 T*	500430730	3x400 V ~	3x9,2	3x12,5	3x18	5÷7	8,6	KV 3/12 T	500432300	1,5	2
3 KV 50/4 T*	500430740	3x400 V ~	3x11	3x15	3x22	7÷9	11,5	KV 3/15 T	500432310	1,85	2,5
3 KV 50/5 T*	500430750	3x400 V ~	3x15	3x20	3x30	10÷12	14,8	KV 3/18 T	500432320	2,2	3
3 KV 50/6 T	500430760	3x400 V ~	3x18,5	3x25	3x36	12÷14	17,6	–		–	–
3 KV 50/7 T	500430770	3x400 V ~	3x22	3x30	3x40	13÷15	20,4	–		–	–
3 KV 50/8 T	500430780	3x400 V ~	3x22	3x30	3x40	16÷18	23	–		–	–
3 KV 50/9 T	500430790	3x400 V ~	3x30	3x40	3x56	18÷20	26	–		–	–

3 KV 50



DIMENSIONS AND WEIGHTS 3 KV 50



MODEL	A	B	C	D	E	G	H	O	P	I	L	M	Fxn°	Ø MANIFOLD		WEIGHT Kg.
														SUCTION	DELIVERY	
3 KV 50/3	1400	1200	300	483	1160	1250	1120	510	280	180	285	240	22x8	DN 150 - PN 16	DN 150 - PN 16	1050
3 KV 50/4	1400	1200	300	536	1160	1250	1240	510	280	180	285	240	22x8	DN 150 - PN 16	DN 150 - PN 16	1156
3 KV 50/5	1400	1200	300	591	1160	1250	1380	510	280	180	285	240	22x8	DN 150 - PN 16	DN 150 - PN 16	1290
3 KV 50/6	1400	1200	300	645	1160	1250	1465	510	280	180	285	240	22x8	DN 150 - PN 16	DN 150 - PN 16	1325
3 KV 50/7	1400	1200	300	699	1160	1250	1465	510	280	180	285	240	22x8	DN 150 - PN 25	DN 150 - PN 25	1390
3 KV 50/8	1400	1200	300	753	1160	1250	1600	510	280	180	285	240	22x8	DN 150 - PN 25	DN 150 - PN 25	1450
3 KV 50/9	1400	1200	300	807	1160	1250	1750	510	280	180	285	240	22x8	DN 150 - PN 25	DN 150 - PN 25	1770

DOMESTIC PUMPS SETS WITH ACTIVE DRIVER

ACTIVE DRIVER
PAG. 2

BENEFITS DURING USE

Constant pressure – Low noise operation – Low running costs – Reduced water consumption – More compact (no need for expansion vessels) – Reduced maintenance – Protected against dry run conditions

GENERAL DATA

Pump sets equipped with Active Driver are designed and built to meet the constant pressure requirements imposed by modern water distribution system technology. Constant pressure control is used in an increasing number of applications in the most diverse range of sectors: Water pipelines - Irrigation - Industry - Hotels - Residential building - Spa centres. The basic principles that guided our engineers in developing these pump sets were simplicity,
flexibility andreliability.

SHORT INTRODUCTION TO ACTIVE DRIVER

The Active Driver module is a comprehensive device that includes water pipeline connections, a pressure sensor, a flow sensor, and an electronic inverter. When applied to the discharge line of each electric pump, Active Driver controls the speed of the pump to which it is connected in such a way as to ensure constant pressure irrespective of variations in the water flow rate demand. The water that flows though Active Driver's connections also helps to dissipate the heat produced by the internal electronic components.

OPERATION

As soon as the system pressure drops due to a water demand, just one pump will run in order to meet the flow rate demanded. Starting of the second and third pump occurs in a cascade sequence once the first pump has reached its maximum rotation speed. Pump pressure can be user adjusted by means of the Active Driver + and – keys (usually all pumps are set to the same pressure value).

The pumps are stopped automatically in the following situations:

- pump current surge
- dry running
- low power supply voltage
- surpassing of an adjustable pressure set-point value
- overheating of Active Driver electronics.

Sets with two pumps and with three pumpsequipped with Active Driver are supplied complete with a protection control unit containing thermal magnetic cut-outs and the power line input terminals.

FUNCTIONS DISPLAYED ON ACTIVE DRIVER

- Pump operating frequency (Hz)
- Instantaneous pressure (bar)
- Pump current draw (ampere)
- Operating alarms

Active Driver EXTERNAL CONNECTIONS (models M/T 2.2 - T/T 3.0 - T/T 5.5 only)

Inputs: pump disable, pressure switch / float switch to protect against dry running, second pressure Set point.

Outputs: two voltage-free contacts for alarm / stop signalling, pump running.

CE



2 PULSAR DRY AD



2 JET AD - 2 EURO AD

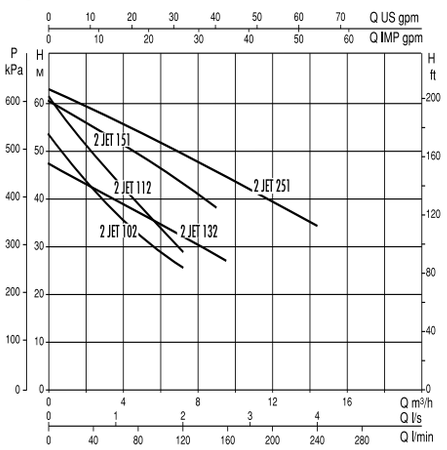


2 KVC AD

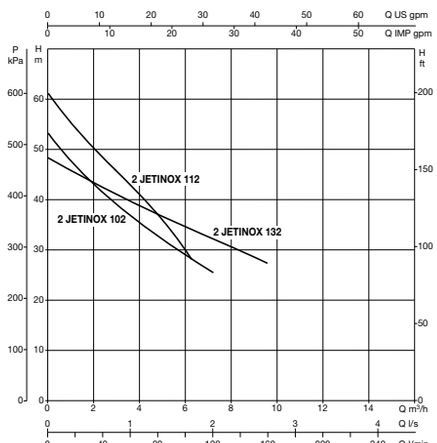
TECHNICAL DATA - 2 JET AD / 2 JETINOX AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A x 2
			kW X 2	HP X 2	
2JET AD 102 M	500140020	1 X 230 V ~	0,75	1	3,3
2JET AD 112 M	500140030	1 X 230 V ~	1	1,36	4,3
2JET AD 132 M	500140040	1 X 230 V ~	1	1,36	4,7
2JET AD 151 M	500140070	1 X 230 V ~	1,1	1,5	5,2
2JET AD 251 M	500140090	1 X 230 V ~	1,85	2,5	6,9
2JETINOX AD 102 M	500140120	1 X 230 V ~	0,75	1	3,3
2JETINOX AD 112 M	500140130	1 X 230 V ~	1	1,36	4,3
2JETINOX AD 132 M	500140140	1 X 230 V ~	1	1,36	4,7

2 JET AD

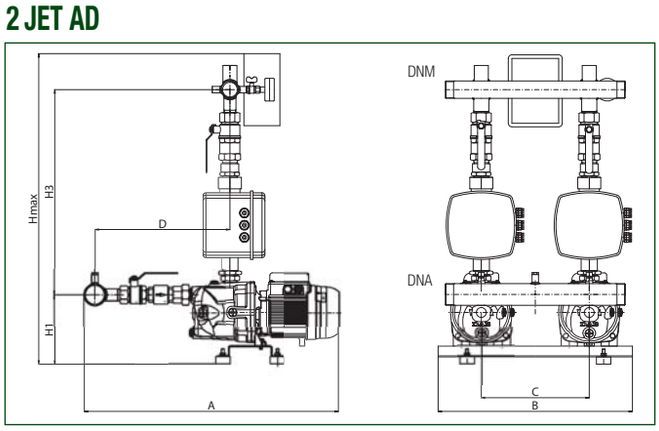


2 JETINOX AD

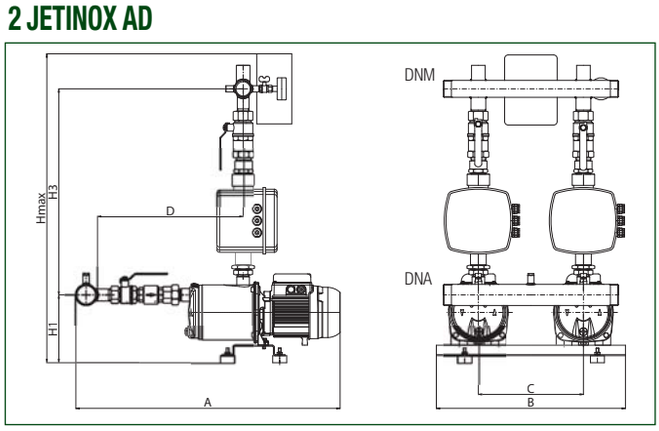


DIMENSIONS AND WEIGHTS - 2 JET AD / 2 JETINOX AD

2 JET AD



2 JETINOX AD

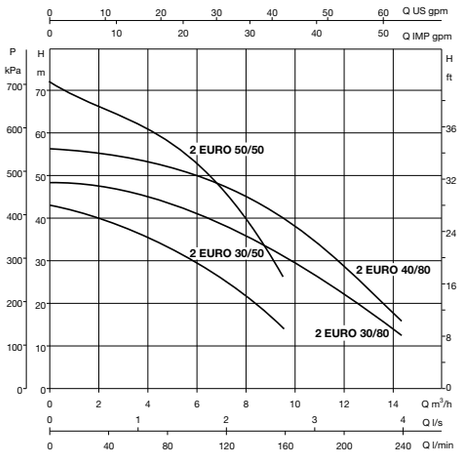


MODEL	A	B	C	D	H max	H1	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
										L/A	L/B	H	
2JET AD 102 M	706	540	300	374	862	193	569	2"	1 1/2"	850	610	1000	56
2JET AD 112 M	706	540	300	374	862	193	569	2"	1 1/2"	850	610	1000	56
2JET AD 132 M	706	540	300	374	862	193	569	2"	1 1/2"	850	610	1000	56
2JET AD 151 M	706	540	300	374	862	193	569	2"	1 1/2"	850	610	1000	96
2JET AD 251 M	706	540	300	374	862	193	569	2"	1 1/2"	850	610	1000	105
2JETINOX AD 102 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	56
2JETINOX AD 112 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	56
2JETINOX AD 132 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	56

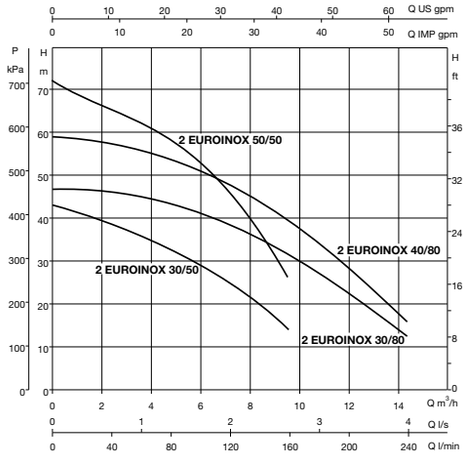
TECHNICAL DATA - 2 EURO AD / 2 EUROINOX AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW X 2	HP X 2	
2EURO AD 30/50 M	500140250	1 X 230 V ~	0,55	0,75	2,8
2EURO AD 50/50 M	500140260	1 X 230 V ~	1	1,36	4,4
2EURO AD 30/80 M	500140270	1 X 230 V ~	0,8	1,1	3,8
2EURO AD 40/80 M	500140280	1 X 230 V ~	1	1,36	4,4
2EUROINOX AD 30/50 M	500140350	1 X 230 V ~	0,55	0,75	2,8
2EUROINOX AD 50/50 M	500140360	1 X 230 V ~	1	1,36	4,4
2EUROINOX AD 30/80 M	500140370	1 X 230 V ~	0,8	1,1	3,8
2EUROINOX AD 40/80 M	500140380	1 X 230 V ~	1	1,36	4,4

2 EURO AD

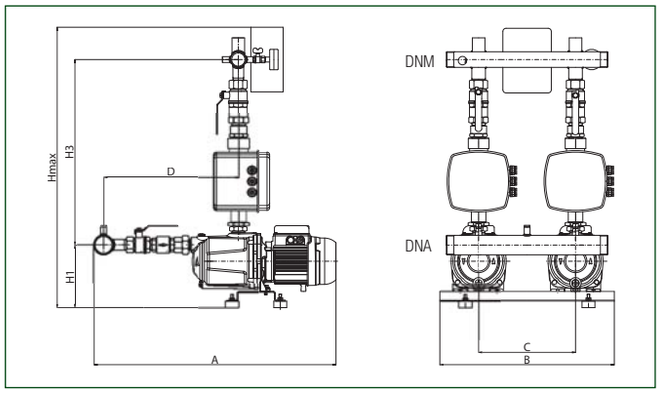


2 EUROINOX AD

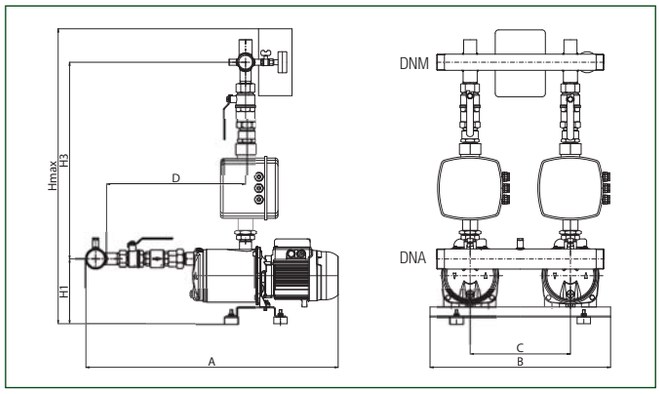


DIMENSIONS AND WEIGHTS - 2 EURO AD / 2 EUROINOX AD

2 EURO AD



2 EUROINOX AD



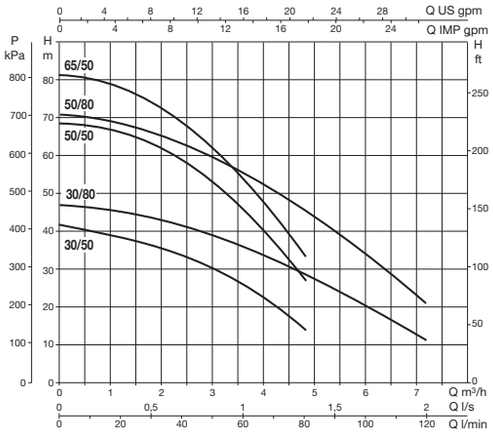
MODEL	A	B	C	D	H max	H1	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
										L/A	L/B	H	
2EURO AD 30/50 M	748	540	300	416	867	194	574	2"	1 1/2"	850	610	1000	57
2EURO AD 50/50 M	748	540	300	416	867	194	574	2"	1 1/2"	850	610	1000	57
2EURO AD 30/80 M	748	540	300	416	867	194	574	2"	1 1/2"	850	610	1000	57
2EURO AD 40/80 M	748	540	300	416	867	194	574	2"	1 1/2"	850	610	1000	57
2EUROINOX AD 30/50 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	57
2EUROINOX AD 50/50 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	57
2EUROINOX AD 30/80 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	57
2EUROINOX AD 40/80 M	755	540	300	416	882	193	588	2"	1 1/2"	850	610	1000	57

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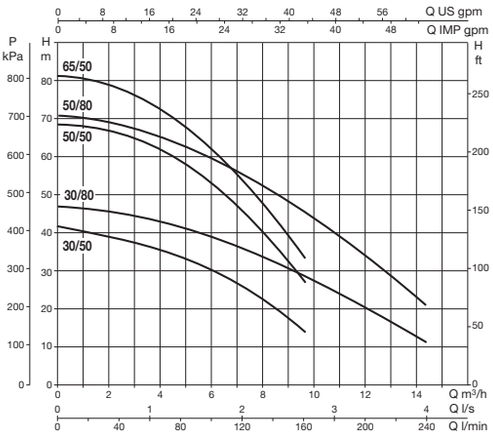
TECHNICAL DATA - 1/2 PULSAR DRY AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW	HP	
1PULSAR DRY AD 30/50 M	500140500	1 X 230 V ~	0,55	0,75	2,8
1PULSAR DRY AD 50/50 M	500140510	1 X 230 V ~	1	1,36	4,1
1PULSAR DRY AD 65/50 M	500140520	1 X 230 V ~	1,2	1,6	5
1PULSAR DRY AD 30/80 M	500140530	1 X 230 V ~	0,75	1	3,2
1PULSAR DRY A.D. 50/80 M	500140540	1 X 230 V ~	1,2	1,6	5
2PULSAR DRY AD 30/50 M	500140600	1 X 230 V ~	2x0,55	2x0,75	2x2,8
2PULSAR DRY AD 50/50 M	500140610	1 X 230 V ~	2x1	2x1,36	2x4,1
2PULSAR DRY AD 65/50 M	500140620	1 X 230 V ~	2x1,2	2x1,6	2x15
2PULSAR DRY AD 30/80 M	500140630	1 X 230 V ~	2x0,75	2x1	2x3,2
2PULSAR DRY AD 50/80 M	500140640	1 X 230 V ~	2x1,2	2x1,6	2x5

1 PULSAR DRY AD

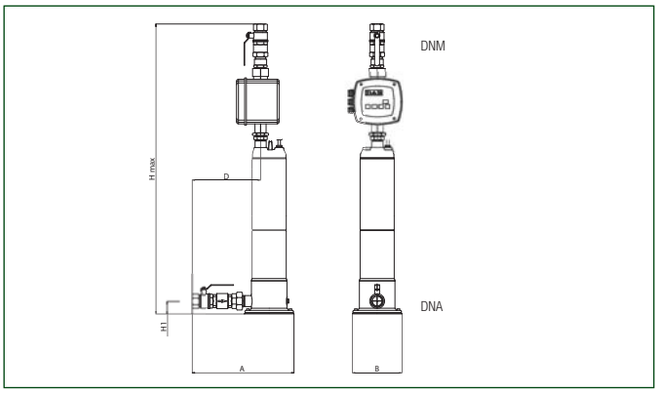


2 PULSAR DRY AD

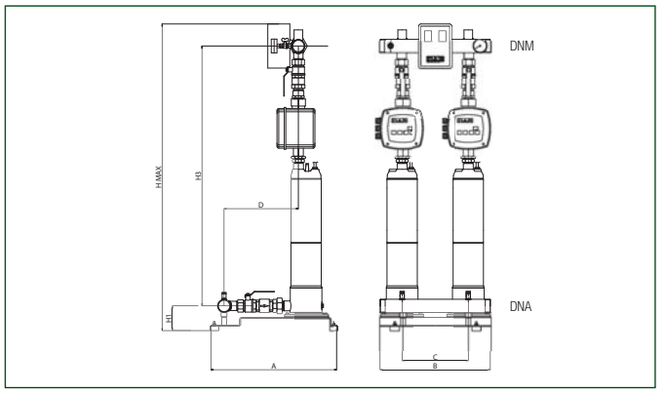


DIMENSIONS AND WEIGHTS - 1/2 PULSAR DRY AD

1 PULSAR DRY AD



2 PULSAR DRY AD

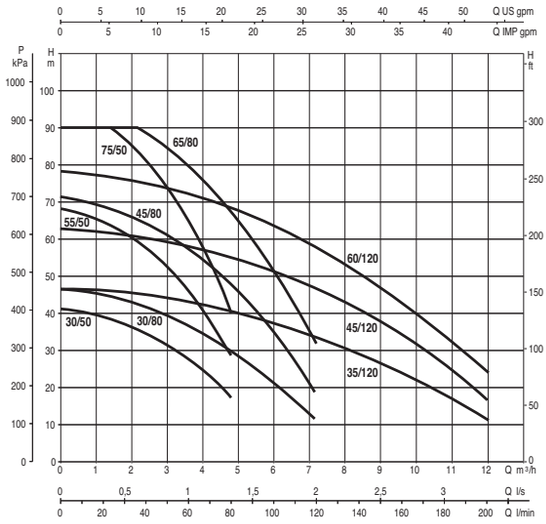


MODEL	A	B	C	D	H max	H1	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
										L/A	L/B	H	
1PULSAR DRY AD 30/50 M	411	200	-	276	1169	52	-	1 1/4"	1 1/2"	850	610	1000	40
1PULSAR DRY AD 50/50 M	411	200	-	276	1169	52	-	1 1/4"	1 1/2"	850	610	1000	40
1PULSAR DRY AD 65/50 M	411	200	-	276	1169	52	-	1 1/4"	1 1/2"	850	610	1000	40
1PULSAR DRY AD 30/80 M	411	200	-	276	1169	52	-	1 1/4"	1 1/2"	850	610	1000	40
1PULSAR DRY A.D. 50/80 M	411	200	-	276	1169	52	-	1 1/4"	1 1/2"	850	610	1000	40
2PULSAR DRY AD 30/50 M	570	500	300	337	1390	112	1178	2"	1 1/2"	1150	800	1500	67
2PULSAR DRY AD 50/50 M	570	500	300	337	1390	112	1178	2"	1 1/2"	1150	800	1500	67
2PULSAR DRY AD 65/50 M	570	500	300	337	1390	112	1178	2"	1 1/2"	1150	800	1500	67
2PULSAR DRY AD 30/80 M	570	500	300	337	1390	112	1178	2"	1 1/2"	1150	800	1500	68
2PULSAR DRY AD 50/80 M	570	500	300	337	1390	112	1178	2"	1 1/2"	1150	800	1500	68

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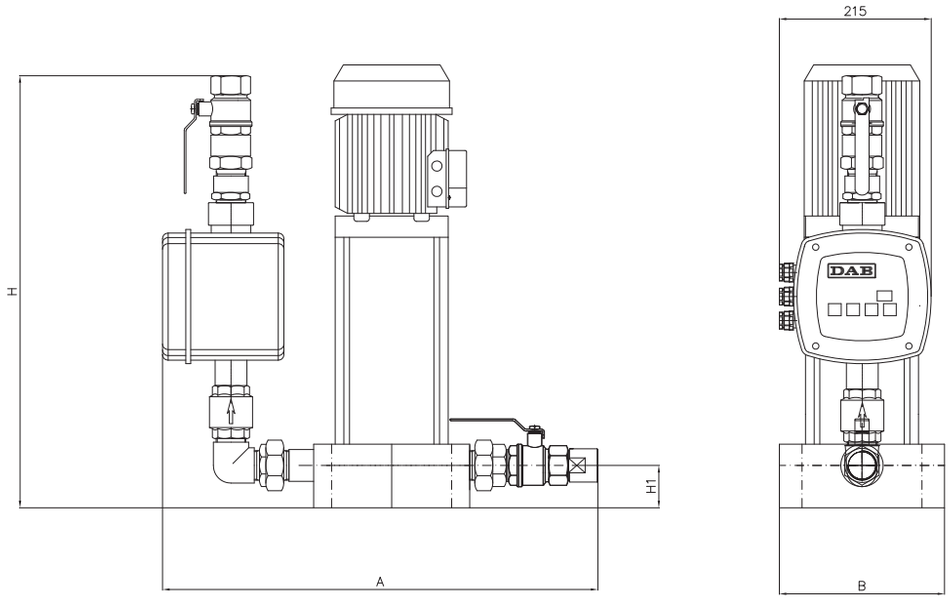
TECHNICAL DATA - 1 KVC AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW	HP	
1 KVC A.D. 30/50 M	60122638	1 X 230 V ~	0,55	0,75	4,1
1 KVC A.D. 55/50 M	60122639	1 X 230 V ~	1	1,36	7,6
1 KVC A.D. 75/50 M	60122640	1 X 230 V ~	1,5	2	10,7
1 KVC A.D. 30/80 M	60122641	1 X 230 V ~	0,8	1,1	6,5
1 KVC A.D. 45/80 M	60122642	1 X 230 V ~	1,1	1,5	9,3
1 KVC A.D. 65/80 M	60122644	1 X 230 V ~	2,2	3	12
1 KVC A.D. 35/120 M	60122645	1 X 230 V ~	1,1	1,5	9,3
1 KVC A.D. 45/120 M	60122646	1 X 230 V ~	1,85	2,5	12
1 KVC A.D. 60/120 T	60122647	3 X 400 V ~	2,2	3	5,8
1 KVC A.D. 70/120 T	60122648	3 X 400 V ~	3	4	6,8
1 KVC A.D. 85/120 T	60122649	3 X 400 V ~	3	4	7,8



DIMENSIONS AND WEIGHTS - 1 KVC AD

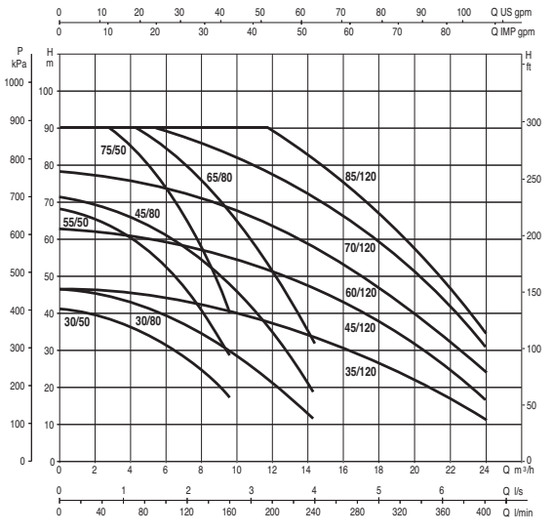
1 KVC AD



MODEL	A	B	C	D	H max	H1	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
										L/A	L/B	H	
1 KVC A.D. 30/50 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	32
1 KVC A.D. 55/50 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	35
1 KVC A.D. 75/50 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	39
1 KVC A.D. 30/80 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	34
1 KVC A.D. 45/80 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	38
1 KVC A.D. 65/80 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	40
1 KVC A.D. 35/120 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	34
1 KVC A.D. 45/120 M	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	35
1 KVC A.D. 60/120 T	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	39
1 KVC A.D. 70/120 T	530	250	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	41
1 KVC A.D. 85/120 T	530	234	-	-	620	60	-	1 1/4"	1 1/4"	850	610	1000	42

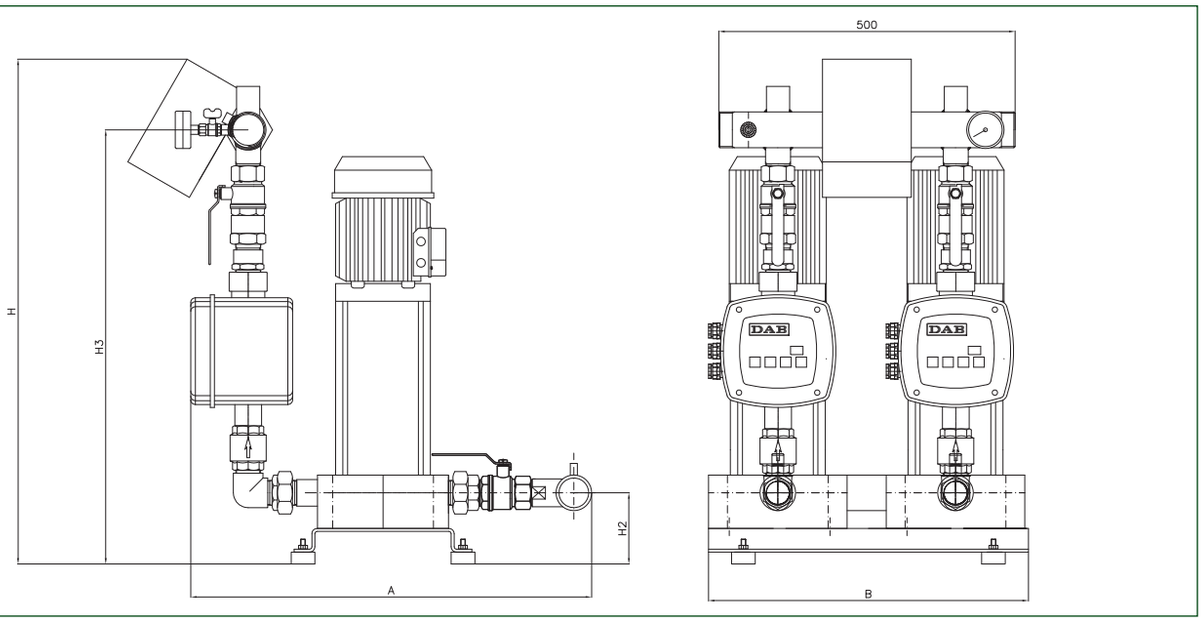
TECHNICAL DATA - 2 KVC AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW x2	HP x2	
2 KVC A.D. 30/50 M	**60122650**	1 X 230 V ~	0,55	0,75	2x4,1
2 KVC A.D. 55/50 M	**60122651**	1 X 230 V ~	1	1,36	2x7,6
2 KVC A.D. 55/50 T	**60122653**	3 X 400 V ~	1	1,36	2x2,6
2 KVC A.D. 75/50 T / N	**60122654**	3 X 230 V ~	1,5	2	2x10,7
2 KVC A.D. 75/50 T	**60122655**	3 X 400 V ~	1,5	2	2x3,6
2 KVC A.D. 30/80 M	**60122656**	1 X 230 V ~	0,8	1,1	2x6,5
2 KVC A.D. 30/80 T	**60122657**	3 X 400 V ~	0,8	1,1	2x2,2
2 KVC A.D. 45/80 M	**60122659**	1 X 230 V ~	1,1	1,5	2x9,3
2 KVC A.D. 45/80 T	**60122660**	3 X 400 V ~	1,1	1,5	2x3,1
2 KVC A.D. 65/80 T / N	**60122661**	3 X 230 V ~	2,2	3	2x12
2 KVC A.D. 65/80 T	**60122662**	3 X 400 V ~	2,2	3	2x4
2 KVC A.D. 35/120 M	**60122663**	1 X 230 V ~	1,1	1,5	2x9,3
2 KVC A.D. 35/120 T	**60122664**	3 X 400 V ~	1,1	1,5	2x3,5
2 KVC A.D. 45/120 M	**60122665**	1 X 230 V ~	1,85	2,5	2x12
2 KVC A.D. 45/120 T	**60122666**	3 X 400 V ~	1,85	2,5	2x4,6
2 KVC A.D. 60/120 T	**60122667**	3 X 400 V ~	2,2	3	2x5,8
2 KVC A.D. 70/120 T	**60122668**	3 X 400 V ~	3	4	2x7,8
2 KVC A.D. 85/120 T	**60122669**	3 X 400 V ~	3	4	2x7,8



DIMENSIONS AND WEIGHTS - 2 KVC AD

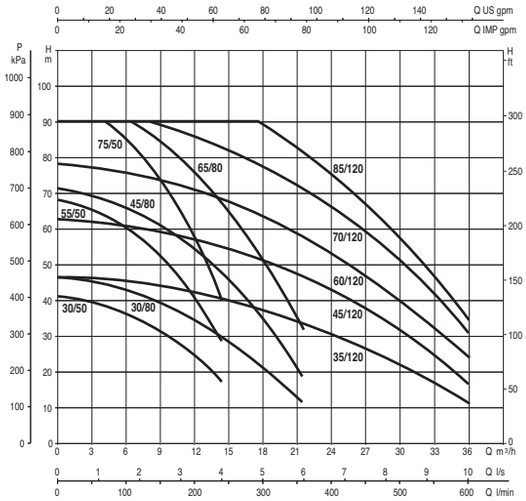
2 KVC AD



MODEL	A	B	H	H2	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
								L/A	L/B	H	
2 KVC AD 30/50	660	550	830	100	710	2"	2"	1000	610	1000	76
2 KVC AD 55/50	660	550	830	100	710	2"	2"	1000	610	1000	83
2 KVC AD 75/50	660	550	830	100	710	2"	2"	1000	610	1000	91
2 KVC AD 30/80	660	550	830	100	710	2"	2"	1000	610	1000	80
2 KVC AD 45/80	660	550	830	100	710	2"	2"	1000	610	1000	89
2 KVC AD 65/80	660	550	830	100	710	2"	2"	1000	610	1000	93
2 KVC AD 35/120	660	550	830	100	710	2"	2"	1000	610	1000	81
2 KVC AD 45/120	660	550	830	100	710	2"	2"	1000	610	1000	83
2 KVC AD 60/120	660	550	830	100	710	2"	2"	1000	610	1000	89
2 KVC AD 70/120	660	550	830	100	710	2"	2"	1000	610	1000	95
2 KVC AD 85/120	660	550	830	100	710	2"	2"	1000	610	1000	97

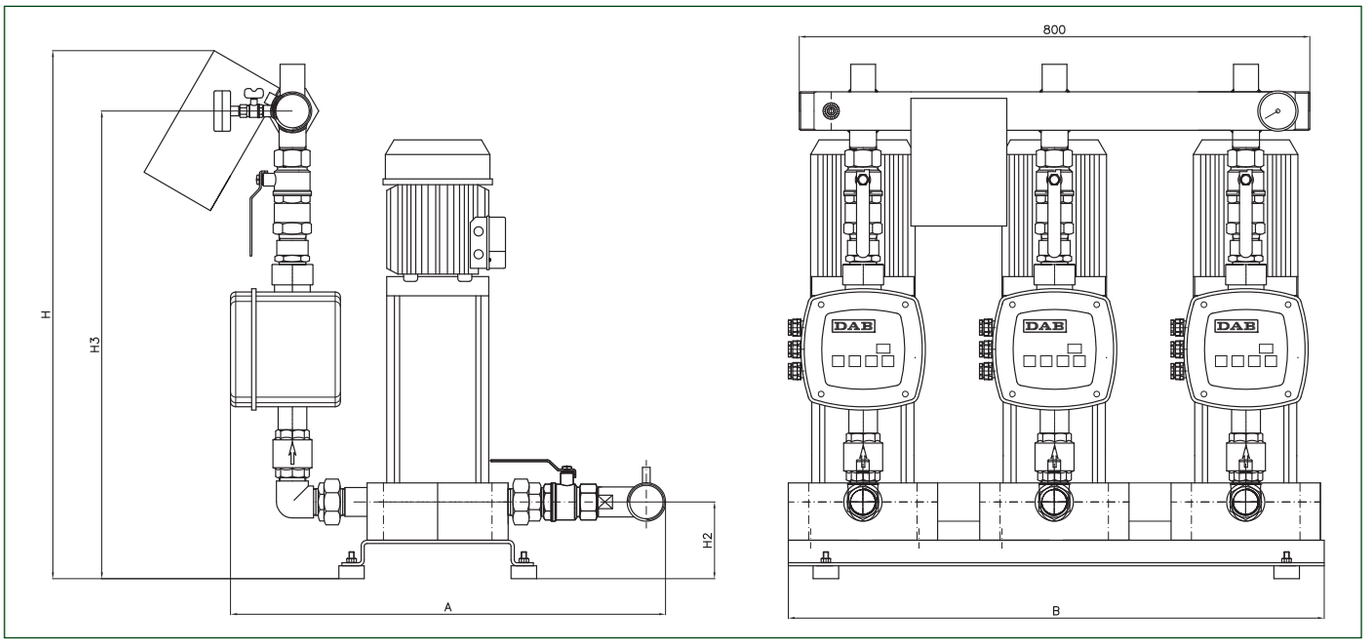
TECHNICAL DATA - 3 KVC AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW x3	HP x3	
3 KVC A.D. 30/50 M	60122670	1 X 230 V ~	0,55	0,75	3x4,1
3 KVC A.D. 55/50 T / N	60122671	3 X 230 V ~	1	1,36	3x7,6
3 KVC A.D. 75/50 T / N	60122672	3 X 230 V ~	1,5	2	3x10,7
3 KVC A.D. 30/80 T / N	60122673	3 X 230 V ~	0,8	1,1	-
3 KVC A.D. 45/80 T / N	60122674	3 X 230 V ~	1,1	1,5	-
3 KVC A.D. 65/80 T / N	60122675	3 X 230 V ~	2,2	3	3x12
3 KVC A.D. 35/120 T / N	60122676	3 X 230 V ~	1,1	1,5	-
3 KVC A.D. 35/120 T	60122677	3 X 400 V ~	1,1	1,5	3x3,5
3 KVC A.D. 45/120 T / N	60122678	3 X 230 V ~	1,85	2,5	-
3 KVC A.D. 45/120 T	60122679	3 X 400 V ~	1,85	2,5	3x4,6
3 KVC A.D. 60/120 T	60122680	3 X 400 V ~	2,2	3	3x5,8
3 KVC A.D. 70/120 T	60122682	3 X 400 V ~	3	4	3x7,8
3 KVC A.D. 85/120 T	60122683	3 X 400 V ~	3	4	3x7,8



DIMENSIONS AND WEIGHTS - 3 KVC AD

3 KVC AD

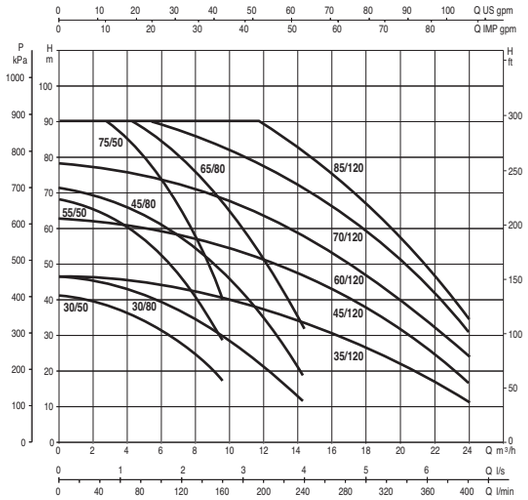


MODEL	A	B	H	H2	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
								L/A	L/B	H	
3 KVC A.D. 30/50 M	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 55/50 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 75/50 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 30/80 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 45/80 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 65/80 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 35/120 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 35/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	156
3 KVC A.D. 45/120 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	156
3 KVC A.D. 45/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153
3 KVC A.D. 60/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153
3 KVC A.D. 70/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153
3 KVC A.D. 85/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153

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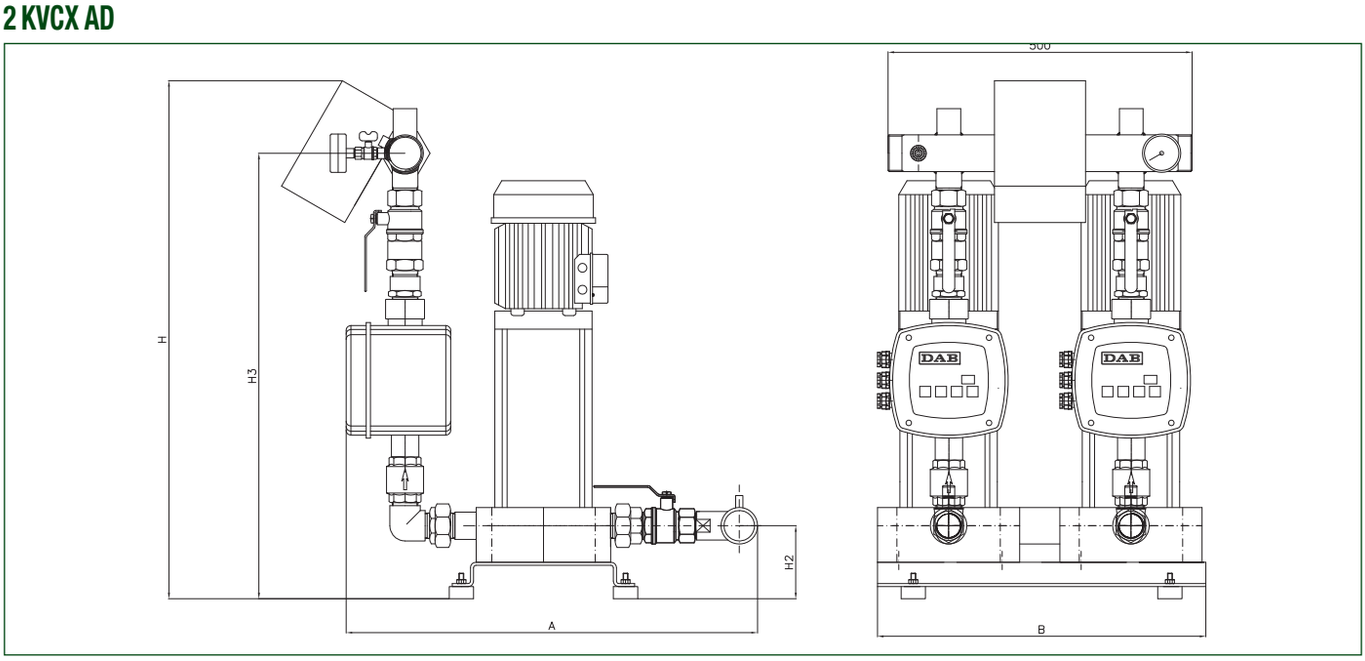
TECHNICAL DATA - 2 KVCX AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW	HP	
2 KVCX A.D. 30/50 M	500140800	1 X 230 V ~	0,55	0,75	2x4,1
2 KVCX A.D. 55/50 M	500140810	1 X 230 V ~	1	1,36	2x7,6
2 KVCX A.D. 55/50 T	60112094	3 X 400 V ~	1	1,36	2x2,6
2 KVCX A.D. 75/50 T / N	500140820	3 X 230 V ~	1,5	2	2x10,7
2 KVCX A.D. 75/50 T	60122215	3 X 400 V ~	1,5	2	2x3,6
2 KVCX A.D. 30/80 M	500140830	1 X 230 V ~	0,8	1,1	2x6,5
2 KVCX A.D. 30/80 T	60112093	3 X 400 V ~	0,8	1,1	2x2,2
2 KVCX A.D. 45/80 M	500140840	1 X 230 V ~	1,1	1,5	2x9,3
2 KVCX A.D. 45/80 T	60122216	3 X 400 V ~	1,1	1,5	2x3,1
2 KVCX A.D. 65/80 T / N	500140850	3 X 230 V ~	2,2	3	2x12
2 KVCX A.D. 65/80 T	60122217	3 X 400 V ~	2,2	3	2x4
2 KVCX A.D. 35/120 M	500140860	1 X 230 V ~	1,1	1,5	2x9,3
2 KVCX A.D. 35/120 T	60112095	3 X 400 V ~	1,1	1,5	2x3,5
2 KVCX A.D. 45/120 M	500140780	1 X 230 V ~	1,85	2,5	2x12
2 KVCX A.D. 45/120 T	60112096	3 X 400 V ~	1,85	2,5	2x4,6
2 KVCX A.D. 60/120 T	500140870	3 X 400 V ~	2,2	3	2x5,8
2 KVCX A.D. 70/120 T	500140480	3 X 400 V ~	3	4	2x7,8
2 KVCX A.D. 85/120 T	500140490	3 X 400 V ~	3	4	2x7,8



DIMENSIONS AND WEIGHTS - 2 KVCX AD

2 KVCX AD

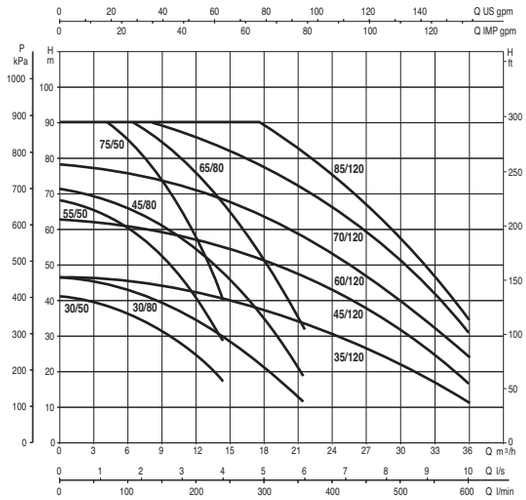


MODEL	A	B	H	H2	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
								L/A	L/B	H	
2 KVC AD 30/50	660	550	830	100	710	2"	2"	1000	610	1000	76
2 KVC AD 55/50	660	550	830	100	710	2"	2"	1000	610	1000	83
2 KVC AD 75/50	660	550	830	100	710	2"	2"	1000	610	1000	91
2 KVC AD 30/80	660	550	830	100	710	2"	2"	1000	610	1000	80
2 KVC AD 45/80	660	550	830	100	710	2"	2"	1000	610	1000	89
2 KVC AD 65/80	660	550	830	100	710	2"	2"	1000	610	1000	93
2 KVC AD 35/120	660	550	830	100	710	2"	2"	1000	610	1000	81
2 KVC AD 45/120	660	550	830	100	710	2"	2"	1000	610	1000	83
2 KVC AD 60/120	660	550	830	100	710	2"	2"	1000	610	1000	89
2 KVC AD 70/120	660	550	830	100	710	2"	2"	1000	610	1000	95
2 KVC AD 85/120	660	550	830	100	710	2"	2"	1000	610	1000	97

DAB PUMPS reserves the right to make modifications without notice

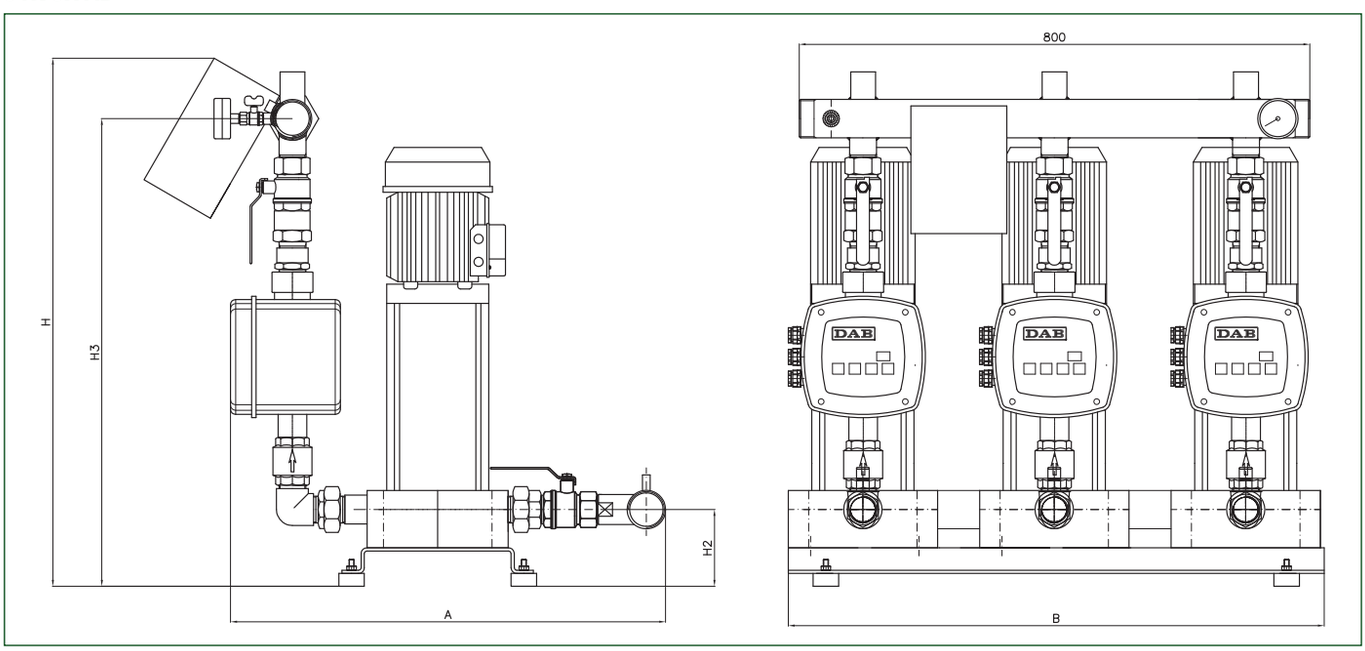
TECHNICAL DATA - 3 KVCX AD

MODEL	CODE	ELECTRICAL DATA			
		VOLTAGE 50 Hz	P2 NOMINAL		In A
			kW x3	HP x3	
3 KVCX A.D. 30/50 M	500140900	1 X 230 V ~	0,55	0,75	3x4,1
3 KVCX A.D. 55/50 T / N	500140910	3 X 230 V ~	1	1,36	3x7,6
3 KVCX A.D. 75/50 T / N	500140920	3 X 230 V ~	1,5	2	3x10,7
3 KVCX A.D. 30/80 T / N	500140930	3 X 230 V ~	0,8	1,1	-
3 KVCX A.D. 45/80 T / N	500140940	3 X 230 V ~	1,1	1,5	-
3 KVCX A.D. 65/80 T / N	500140950	3 X 230 V ~	2,2	3	3x12
3 KVCX A.D. 35/120 T / N	500140960	3 X 230 V ~	1,1	1,5	-
3 KVCX A.D. 35/120 T	60112099	3 X 400 V ~	1,1	1,5	3x3,5
3 KVCX A.D. 45/120 T / N	500140470	3 X 230 V ~	1,85	2,5	-
3 KVCX A.D. 45/120 T	60112100	3 X 400 V ~	1,85	2,5	3x4,6
3 KVCX A.D. 60/120 T	500140970	3 X 400 V ~	2,2	3	3x5,8
3 KVCX A.D. 70/120 T	500140980	3 X 400 V ~	3	4	3x7,8
3 KVCX A.D. 85/120 T	500140990	3 X 400 V ~	3	4	3x7,8



DIMENSIONS AND WEIGHTS - 3 KVCX AD

3 KVCX AD



MODEL	A	B	H	H2	H3	DNA	DNM	PACKAGING DIMENSIONS			WEIGHT Kg
								L/A	L/B	H	
3 KVC A.D. 30/50 M	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 55/50 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 75/50 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 30/80 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 45/80 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 65/80 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 35/120 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	97
3 KVC A.D. 35/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	156
3 KVC A.D. 45/120 T / N	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	156
3 KVC A.D. 45/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153
3 KVC A.D. 60/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153
3 KVC A.D. 70/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153
3 KVC A.D. 85/120 T	750	900	740	100	710	2 1/2"	2 1/2"	1000	800	1400	153

DAB PUMPS reserves the right to make modifications without notice

KV AD 3 - 6 -10

SETS WITH ACTIVE DRIVER 3-6-10 AT CONSTANT PRESSURE



Pressure units, particularly suitable for domestic applications and small systems for civil or industrial uses, irrigation systems and washing installations.

CONSTRUCTION FEATURES - COMPONENTS

- 2-3 KV centrifugal multistage electric pump on a vertical axis
- Galvanized steel skid complete with four rubber antivibration feet for 2 or 3-pump units.
- Suction and delivery manifold in galvanized steel for 2 or 3-pump units
- Ball valves on the suction and delivery pipe union of each single pump
- Check valves on suction port of each pump
- 2 Galvanized steel plugs for manifolds for 2 or 3-pump units
- Radial pressure gauge with shut-off valve for 2 or 3-pump units.
- 1 Active Driver module on the discharge line of each pump

ACTIVE DRIVER
PAG. 2

TECHNICAL DATA

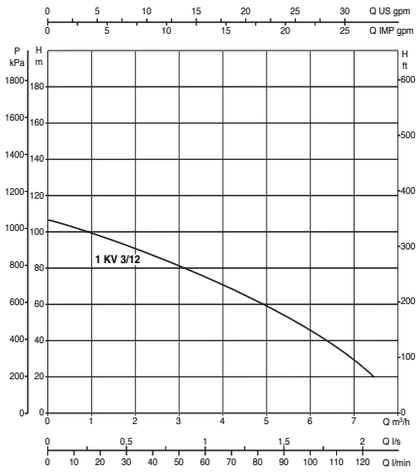
MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m^3/h	H m	A	M	
			kW	HP					
1 KV A.D. 3/12 M	500390010	1 X 230 V ~	1,5	2	0,5-7	100-20	1"¼	1"¼	39
1 KV A.D. 6/11 M	500390020	1 X 230 V ~	1,85	2,5	0,5-8	90-25	1"¼	1"¼	38
1 KV A.D. 10/6 M	500390030	1 X 230 V ~	1,85	2,5	0,5-13	55-20	1"¼	1"¼	38
2 KV A.D. 3/10 T/ N	60121952	3 X 230 V ~	2 x 1,1	2 x 1,5	0,5-14	80-20	2"	2"	120
2 KV A.D. 3/12 T / N	500390110	3 X 230 V ~	2 x 1,5	2 x 2	0,5-14	100-20	2"	2"	125
2 KV A.D. 6/7 T / N	500390170	3 X 230 V ~	2 x 1,1	2 x 1,5	0,5-16	60-20	2"	2"	121
2 KV A.D. 6/9 T / N	500390160	3 X 230 V ~	2 x 1,5	2 x 2	0,5-16	85-25	2"	2"	125
2 KV A.D. 6/11 T / N	500390120	3 X 230 V ~	2 x 1,85	2 x 2,5	0,5-16	90-25	2"	2"	128
2 KV A.D. 10/4 T / N	500390140	3 X 230 V ~	2 x 1,1	2 x 1,5	0,5-26	35-20	2" 1/2	2" 1/2	117
2 KV A.D. 10/5 T / N	500390150	3 X 230 V ~	2 x 1,5	2 x 2	0,5-26	50-25	2" 1/2	2" 1/2	120
2 KV A.D. 10/6 T / N	500390130	3 X 230 V ~	2 x 1,85	2 x 2,5	0,5-26	55-20	2" 1/2	2" 1/2	126
2 KV A.D. 10/8 T	500390180	3 X 400 V ~	2 x 2,2	2 x 3	0,5-26	70-30	2" 1/2	2" 1/2	132
3 KV A.D. 3/12 T / N	500390210	3 X 230 V ~	3 x 1,5	3 x 2	0,5-21	100-20	2" 1/2	2" 1/2	150
3 KV A.D. 6/11 T / N	500390220	3 X 230 V ~	3 x 1,85	3 x 2,5	0,5-24	90-25	2" 1/2	2" 1/2	160
3 KV A.D. 10/6 T / N	500390230	3 X 230 V ~	3 x 1,85	3 x 2,5	0,5-39	55-20	DN 80	DN 80	200
3KV A.D. 10/8 T	60118791	3 X 400 V ~	3 x 2,2	3 x 3	0,5-39	70-30	DN 80	DN 80	220

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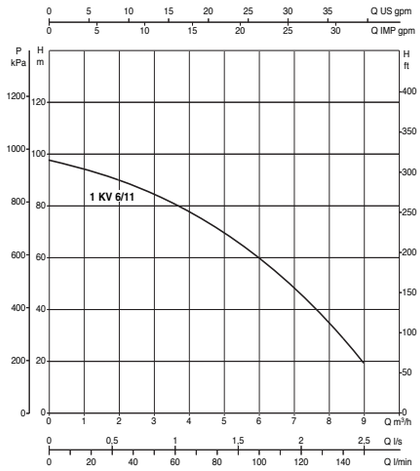
KV AD 3 - 6 -10

SETS WITH ACTIVE DRIVER 3-6-10 AT CONSTANT PRESSURE

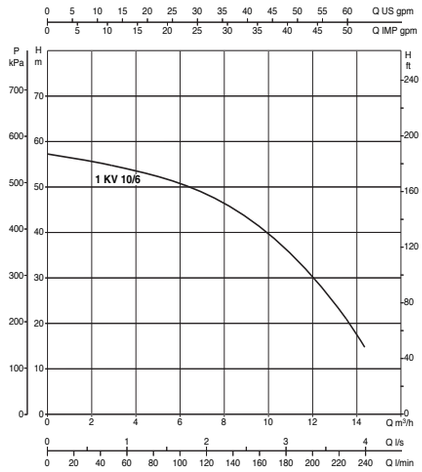
1 KV AD 3



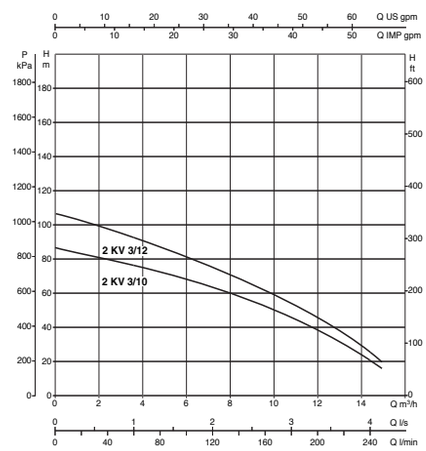
1 KV AD 6



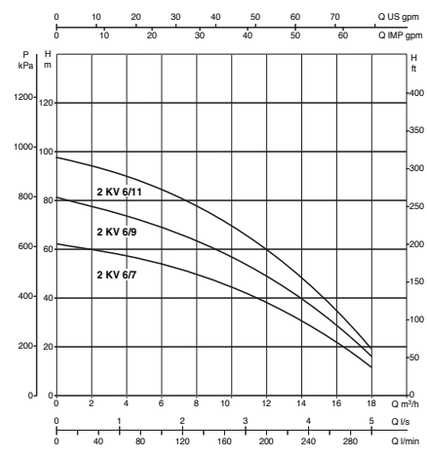
1 KV AD 10



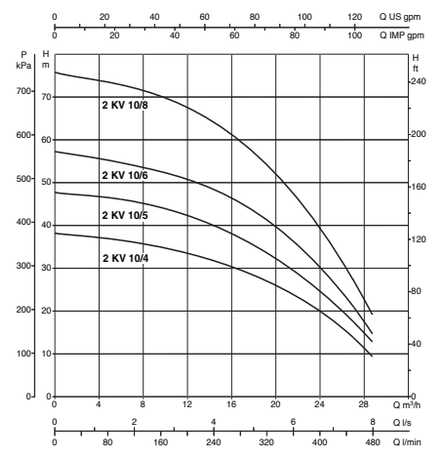
2 KV AD 3



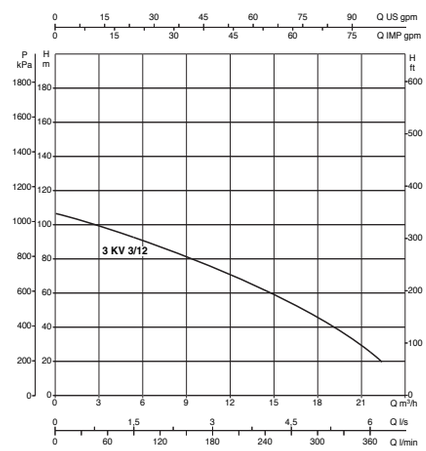
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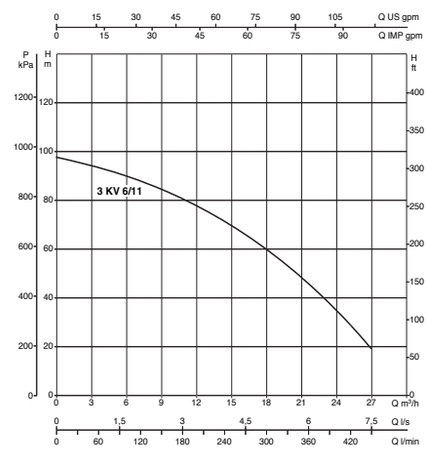
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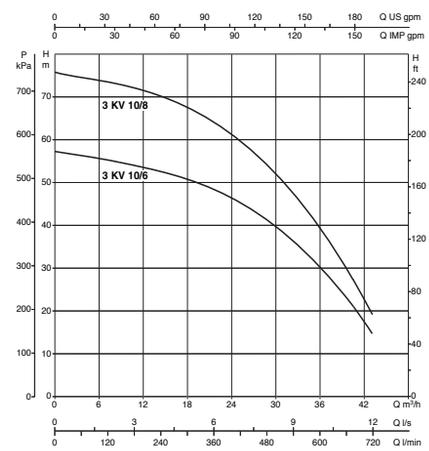
3 KV AD 3



3 KV AD 6



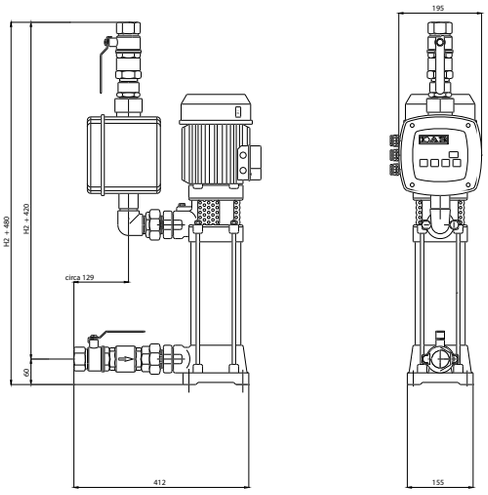
3 KV AD 10

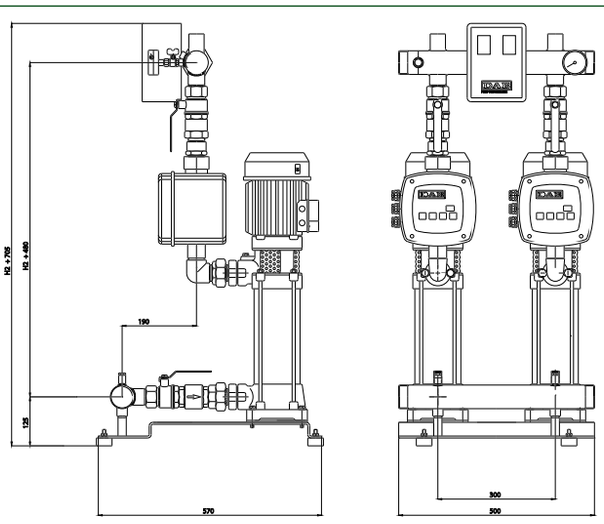


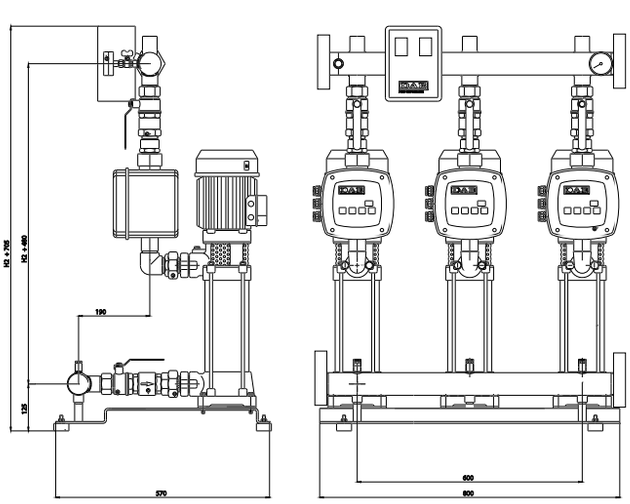
DAB PUMPS reserves the right to make modifications without notice

DAB WATER•TECHNOLOGY

DIMENSIONS


H2 + 480
H2 + 420
circa 129
60
412
195
155


H2 + 705
H2 + 480
190
135
570
300
500


H2 + 705
H2 + 480
190
135
570
600
800

2 NKV AD 10 - 15

SETS WITH ACTIVE DRIVER 3-6-10 AT CONSTANT PRESSURE



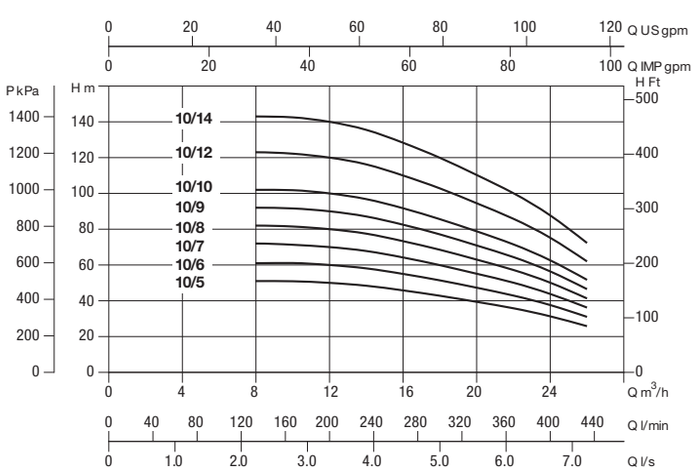
Applications
Booster sets specifically suitable for civil or industrial use, irrigation systems and washing installations.
These units are acclaimed for their supreme reliability, simplicity of operation and minimal maintenance requirements.
Construction features - components
- 2 NKV 10-15 type multistage vertical centrifugal electric pumps
- Skid in galvanized sheet steel
- Suction and discharge manifolds in galvanized steel (stainless steel on request)
- Ball valves with union on suction and discharge ports of each pump
- Check valves on discharge ports of each pump
- 2 plugs or blank flanges in galvanized steel for closing manifolds
- Radial pressure gauge with isolator valve
- 1 8 litre membrane pressure tank

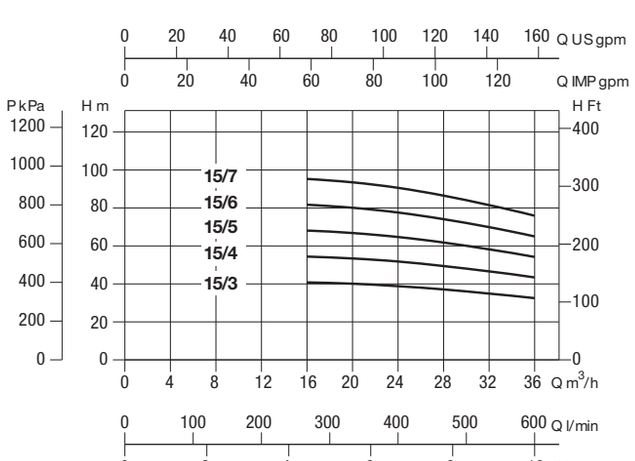
Electrical section
- 1 Modulo Active Driver on discharge line of each pump (see Active Driver information at the beginning of this heading)
- 1 protection control unit

ACTIVE DRIVER
PAG. 2

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m^3/h	H m	A	M	
			kW X 2	HP X 2					
2NKV A.D. 10/5 T	60120087	3 X 400 V ~	2,2	3	4-24	50-30	2" 1/2	2" 1/2	276
2NKV A.D. 10/6 T	60120088	3 X 400 V ~	2,2	3	4-24	60 -30	2" 1/2	2" 1/2	578
2NKV A.D. 10/7 T	60120089	3 X 400 V ~	3	4	4-24	70-40	2" 1/2	2" 1/2	298
2NKV A.D. 10/8 T	60120090	3 X 400 V ~	3	4	4-24	80-50	2" 1/2	2" 1/2	300
2NKV A.D. 10/9 T	60120091	3 X 400 V ~	3	4	4-24	90-50	2" 1/2	2" 1/2	302
2NKV A.D. 10/10 T	60120092	3 X 400 V ~	4	5,5	4-24	100-60	2" 1/2	2" 1/2	322
2NKV A.D. 10/12 T	60120093	3 X 400 V ~	4	5,5	4-24	120-70	2" 1/2	2" 1/2	326
2NKV A.D. 10/14 T	60120094	3 X 400 V ~	5,5	7,5	4-24	140 - 80	2" 1/2	2" 1/2	382
2NKV A.D. 15/3 T	60120095	3 X 400 V ~	3	4	8-30	40-30	DN 100	DN80	314
2NKV A.D. 15/4 T	60120096	3 X 400 V ~	4	5,5	8-30	50-40	DN 100	DN80	334
2NKV A.D. 15/5 T	60120097	3 X 400 V ~	4	5,5	8-30	65-50	DN 100	DN80	336
2NKV A.D. 15/6 T	60120098	3 X 400 V ~	5,5	7,5	8-30	80-60	DN 100	DN80	392
2NKV A.D. 15/7 T	60120099	3 X 400 V ~	5,5	7,5	8-30	90-70	DN 100	DN80	395





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DAB WATER•TECHNOLOGY

3 NKV AD 10 - 15

SETS WITH ACTIVE DRIVER 3-6-10 AT CONSTANT PRESSURE



Applications

Booster sets specifically suitable for civil or industrial use, irrigation systems and washing installations. These units are acclaimed for their supreme reliability, simplicity of operation and minimal maintenance requirements.

Construction features - components

- 3 NKV 10-15 type multistage vertical centrifugal electric pumps
- Skid in galvanized sheet steel
- Suction and discharge manifolds in galvanized steel (stainless steel on request)
- Ball valves with union on suction and discharge ports of each pump
- Check valves on discharge ports of each pump
- 2 plugs or blank flanges in galvanized steel for closing manifolds
- Radial pressure gauge with isolator valve
- 1 8 litre membrane pressure tank

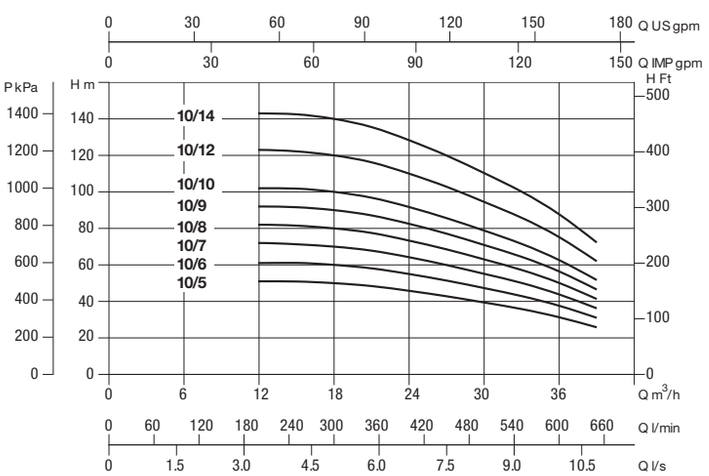
Electrical section

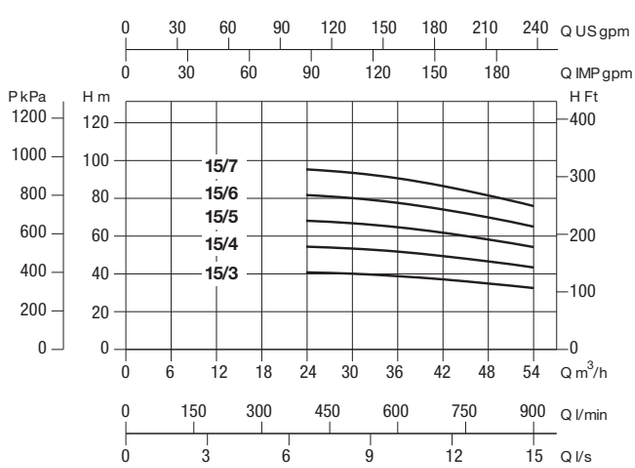
- 1 Active Driver module on the discharge line of each pump (see Active Driver information at the beginning of this heading)
- 1 protection control unit"

ACTIVE DRIVER
PAG. 2

TECHNICAL DATA - 3 NKV AD

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m^3/h	H m			
			kW X 3	HP X 3			A	M	
3NKV A.D. 10/5 T	60120102	3 X 400 V ~	2,2	3	4-24	50-30	DN 80	DN 80	412
3NKV A.D. 10/6 T	60120103	3 X 400 V ~	2,2	3	4-24	60 -30	DN 80	DN 80	415
3NKV A.D. 10/7 T	60120104	3 X 400 V ~	3	4	4-24	70-40	DN 80	DN 80	445
3NKV A.D. 10/8 T	60120105	3 X 400 V ~	3	4	4-24	80-50	DN 80	DN 80	448
3NKV A.D. 10/9 T	60120106	3 X 400 V ~	3	4	4-24	90-50	DN 80	DN 80	452
3NKV A.D. 10/10 T	60120107	3 X 400 V ~	4	5,5	4-24	100-60	DN 80	DN 80	481
3NKV A.D. 10/12 T	60120108	3 X 400 V ~	4	5,5	4-24	120-70	DN 80	DN 80	485
3NKV A.D. 10/14 T	60120109	3 X 400 V ~	5,5	7,5	4-24	140 - 80	DN 80	DN 80	571
3NKV A.D. 15/3 T	60120110	3 X 400 V ~	3	4	8-30	40-30	DN 125	DN100	545
3NKV A.D. 15/4 T	60120111	3 X 400 V ~	4	5,5	8-30	50-40	DN 125	DN100	575
3NKV A.D. 15/5 T	60120112	3 X 400 V ~	4	5,5	8-30	65-50	DN 125	DN100	578
3NKV A.D. 15/6 T	60120113	3 X 400 V ~	5,5	7,5	8-30	80-60	DN 125	DN100	662
3NKV A.D. 15/7 T	60120114	3 X 400 V ~	5,5	7,5	8-30	90-70	DN 125	DN100	668





2/3 NKVE 10 - 15 - 20 MCE

SETS WITH MCE /P AT CONSTANT PRESSURE



Boosters composed by N. 2-3 multistage vertical electropumps NKVE MCE, each driven by an **MCE/P** inverter.

MAIN CHARACTERISTICS

INOX AISI 304 impellers, All the parts in contact with liquid are stainless. Threephase asyncronous motor, rigid coupling motor-pump.

MECHANICAL HYDRAULICAL PART

Galvanised baseplate for all pumps
Inox AISI 304 suction and delivery manifolds.

Stop valves on each pump's suction, stop valves and not return valves on each pump's delivery.
n. 2-3 pressure vessels on delivery manifold.

ELECTRIC PART
n.1 MCE/P inverter on each pump
n.1 protection control unit on baseplate
n.1 pressure transmitter on delivery manifold

MCE/P
PAG. 3

TECHNICAL DATA

MODEL	CODE
2NKVE 10/5 M MCE 400-50	60148092
2NKVE 10/6 M MCE 400-50	60148093
2NKVE 10/7 T MCE 400-50	60148094
2NKVE 10/8 T MCE 400-50	60148095
2NKVE 10/9 T MCE 400-50	60148096
2NKVE 10/10 T MCE 400-50	60148097
2NKVE 10/12 T MCE 400-50	60148098
2NKVE 10/14 T MCE 400-50	60148099
2NKVE 15/3 T MCE 400-50	60148100
2NKVE 15/4 T MCE 400-50	60148101
2NKVE 15/5 T MCE 400-50	60148102
2NKVE 15/6 T MCE 400-50	60148103
2NKVE 15/7 T MCE 400-50	60148104
2NKVE 15/8 T MCE 400-50	60148115
2NKVE 15/9 T MCE 400-50	60148105
2NKVE 15/10 T MCE 400-50	60148106
2NKVE 20/3 T MCE 400-50	60148107
2NKVE 20/4 T MCE 400-50	60148108
2NKV 20/5 T MCE 400-50	60148109
2NKVE 20/6 T MCE 400-50	60148110
2NKVE 20/7 T MCE 400-50	60148111
2NKVE 20/8 T MCE 400-50	60148112
2NKVE 20/9 T MCE 400-50	60148113
2NKVE 20/10 T MCE 400-50	60148114

ELECTRICAL DATA				MCE TYPE	FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE
VOLTAGE 50 Hz	P2 NOMINAL		In A				
	kW	HP					
1 X 230V ~	2x2.2	2x3	2x15.2	MCE22/P	26	5	4.0
1 X 230V ~	2x2.2	2x3	2x17.9	MCE22/P	26	6	5.0
3 X 400 V ~	2x3	2x4	2x7.37	MCE30/P	26	7	6
3 X 400 V ~	2x3	2x4	2x7.37	MCE30/P	26	8	6.5
3 X 400 V ~	2x3	2x4	2x7.37	MCE30/P	26	9	7.7
3 X 400 V ~	2x4	2x5.5	2x10.1	MCE55/P	26	10	8.5
3 X 400 V ~	2x4	2x5.5	2x10.1	MCE55/P	26	12	10
3 X 400 V ~	2x5.5	2x7.5	2x13.1	MCE55/P	26	14	10
3 X 400 V ~	2x3	2x4	2x7.37	MCE30/P	48	4	3.5
3 X 400 V ~	2x4	2x5.5	2x10.1	MCE55/P	48	5	4
3 X 400 V ~	2x4	2x5.5	2x10.1	MCE55/P	48	6.5	5
3 X 400 V ~	2x5.5	2x7.5	13,1	MCE55/P	48	7.5	6.5
3 X 400 V ~	2x5.5	2x7.5	2x13.1	MCE55/P	48	9	8
3 X 400 V ~	2x7.5	2x10	2x17.6	MCE110/P	48	11	10
3 X 400 V ~	2x7.5	2x10	2x17.6	MCE110/P	48	12	11
3 X 400 V ~	2x11	2x15	2x25.5	MCE110/P	48	13	12
3 X 400 V ~	2x4	2x5.5	2x10.1	MCE55/P	58	4	3.5
3 X 400 V ~	2x5.5	2x7.5	2x13.1	MCE55/P	58	6	5
3 X 400 V ~	2x5.5	2x7.5	2x13.1	MCE55/P	58	7	6
3 X 400 V ~	2x7.5	2x10	2x17.6	MCE110/P	58	8.5	7.5
3 X 400 V ~	2x7.5	2x10	2x17.6	MCE110/P	58	10	9
3 X 400 V ~	2x11	2x15	2x25.5	MCE110/P	58	11.5	10
3 X 400 V ~	2x11	2x15	2x25.5	MCE110/P	58	13	12
3 X 400 V ~	2x11	2x15	2x25.5	MCE110/P	58	14	13

MODEL	CODE	ELECTRICAL DATA				MCE TYPE	FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE
		VOLTAGE 50 Hz	P2 NOMINAL		In A				
			kW	HP					
3NKVE 10/5 M MCE 400-50	**60148118**	1 X 230V ~	3x2.2	3x3	3x15.2	MCE22/P	39	5	4.0
3NKVE 10/6 M MCE 400-50	**60148119**	1 X 230V ~	3x2.2	3x3	3x17.9	MCE22/P	39	6	5.0
3NKVE 10/7 T MCE 400-50	**60148120**	3 X 400 V ~	3x3	3x4	3x7.37	MCE30/P	39	7	6
3NKVE 10/8 T MCE 400-50	**60148121**	3 X 400 V ~	3x3	3x4	3x7.37	MCE30/P	39	8	6.5
3NKVE 10/9 T MCE 400-50	**60148122**	3 X 400 V ~	3x3	3x4	3x7.37	MCE30/P	39	9	7.7
3NKVE 10/10 T MCE 400-50	**60148123**	3 X 400 V ~	3x4	3x5.5	3x10.1	MCE55/P	39	10	8.5
3NKVE 10/12 T MCE 400-50	**60148124**	3 X 400 V ~	3x4	2x5.5	3x10.1	MCE55/P	39	12	10
3NKVE 10/14 T MCE 400-50	**60148125**	3 X 400 V ~	3x5.5	3x7.5	3x13.1	MCE55/P	39	14	10
3NKVE 15/3 T MCE 400-50	**60148126**	3 X 400 V ~	3x3	3x4	3x7.37	MCE30/P	72	4	3.5
3NKVE 15/4 T MCE 400-50	**60148127**	3 X 400 V ~	3x4	3x5.5	3x10.1	MCE55/P	72	5	4
3NKVE 15/5 T MCE 400-50	**60148128**	3 X 400 V ~	3x4	3x5.5	3x10.1	MCE55/P	72	6.5	5
3NKVE 15/6 T MCE 400-50	**60148129**	3 X 400 V ~	3x5.5	3x7.5	3X13.1	MCE55/P	72	7.5	6.5
3NKVE 15/7 T MCE 400-50	**60148130**	3 X 400 V ~	3x5.5	3x7.5	3x13.1	MCE55/P	72	9	8
3NKVE 15/8 T MCE 400-50	**60148131**	3 X 400 V ~	3x7.5	3x10	3x17.6	MCE110/P	72	11	10
3NKVE 15/9 T MCE 400-50	**60148132**	3 X 400 V ~	3x7.5	3x10	3x17.6	MCE110/P	72	12	11
3NKVE 15/10 T MCE 400-50	**60148133**	3 X 400 V ~	3x11	3x15	3x25.5	MCE110/P	72	13	12
3NKVE 20/3 T MCE 400-50	**60148134**	3 X 400 V ~	3x4	3x5.5	3x10.1	MCE55/P	87	4	3.5
3NKVE 20/4 T MCE 400-50	**60148135**	3 X 400 V ~	3x5.5	3x7.5	3x13.1	MCE55/P	87	6	5
3NKVE 20/5 T MCE 400-50	**60148136**	3 X 400 V ~	3x5.5	3x7.5	3x13.1	MCE55/P	87	7	6
3NKVE 20/6 T MCE 400-50	**60148137**	3 X 400 V ~	3x7.5	3x10	3x17.6	MCE110/P	87	8.5	7.5
3NKVE 20/7 T MCE 400-50	**60148138**	3 X 400 V ~	3x7.5	3x10	3x17.6	MCE110/P	87	10	9
3NKVE 20/8 T MCE 400-50	**60148139**	3 X 400 V ~	3x11	3x15	3x25.5	MCE110/P	87	11.5	10
3NKVE 20/9 T MCE 400-50	**60148140**	3 X 400 V ~	3x11	3x15	3x25.5	MCE110/P	87	13	12
3NKVE 20/10 T MCE 400-5	**60148141**	3 X 400 V ~	3x11	3x15	3x25.5	MCE110/P	87	14	13

2/3 KVE 3-6-10

SETS WITH 2-3 MULTISTAGE CENTRIFUGAL PUMPS ON A VERTICAL AXIS



Water lifting sets suitable for domestic, small installations for civil, agricultural or industrial use.
The use of vertically-mounted multistage centrifugal electric pumps ensures outstanding performance and elevated efficiency.
They are particularly compact and strong, totally reliable and extremely silent-running.

HYDRAULIC PART

- 2-3 KV3 – 6 – 10 vertical multistage electric pump;
- Tropicalised galvanised sheet base complete with 4 anti-vibration rubber feet;
- Suction and delivery manifold in tropicalised galvanised steel (threaded for 2 KVE 3-6-
10 and 3 KV 3-6 sets, flanged for 3 KVE 10 sets);
- Caps or blank flanges for closing manifolds;
- Ball valves on the suction and delivery pipe union of each single pump;
- Check valve on the suction side of each pump;
- 2-3 membrane tanks;
- Radial pressure gauge with shut-off valve;
- Galvanised steel column support for electrical panel;

TECHNICAL DATA - 2 KVE

MODEL	CODE	ELECTRICAL DATA			Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL				
			kW x 2	HP x 2	A	M	
2 KVE 3/10 T	500440090	3 X 400 V ~	1,1	1,5	2"	2"	123
2 KVE 3/12 T	500440100	3 X 400 V ~	1,5	2	2"	2"	131
2 KVE 3/15 T	500440110	3 X 400 V ~	1,84	2,5	2"	2"	134
2 KVE 3/18 T	500440120	3 X 400 V ~	2,2	3	2"	2"	141
2 KVE 6/7 T	500440130	3 X 400 V ~	1,1	1,5	2"	2"	125
2 KVE 6/9 T	500440140	3 X 400 V ~	1,5	2	2"	2"	121
2 KVE 6/11 T	500440150	3 X 400 V ~	1,84	2,5	2"	2"	127
2 KVE 6/15 T	500440160	3 X 400 V ~	2,2	3	2"	2"	147
2 KVE 10/4 T	500440170	3 X 400 V ~	1,1	1,5	2 1/2"	2 1/2"	117
2 KVE 10/5 T	500440180	3 X 400 V ~	1,5	2	2 1/2"	2 1/2"	130
2 KVE 10/6 T	500440190	3 X 400 V ~	1,5	2	2 1/2"	2 1/2"	135
2 KVE 10/8 T	500440200	3 X 400 V ~	2,2	3	2 1/2"	2 1/2"	133

TECHNICAL DATA - 3 KVE

MODEL	CODE	ELECTRICAL DATA			Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL				
			kW X 3	HP X 3	A	M	
3 KVE 3/10 T	500442000	3 X 400 V ~	1,1	1,5	2 1/2"	2 1/2"	248
3 KVE 3/12 T	500442010	3 X 400 V ~	1,5	2	2 1/2"	2 1/2"	250
3 KVE 3/15 T	500442020	3 X 400 V ~	1,84	2,5	2 1/2"	2 1/2"	253
3 KVE 3/18 T	500442030	3 X 400 V ~	2,2	3	2 1/2"	2 1/2"	255
3 KVE 6/7 T	500442040	3 X 400 V ~	1,1	1,5	2 1/2"	2 1/2"	125
3 KVE 6/9 T	500442050	3 X 400 V ~	1,5	2	2 1/2"	2 1/2"	248
3 KVE 6/11 T	500442060	3 X 400 V ~	1,84	2,5	2 1/2"	2 1/2"	256
3 KVE 6/15 T	500442070	3 X 400 V ~	2,2	3	2 1/2"	2 1/2"	265
3 KVE 10/4 T	500442080	3 X 400 V ~	1,1	1,5	PN 80	PN 80	268
3 KVE 10/5 T	500442090	3 X 400 V ~	1,5	2	PN 80	PN 80	269
3 KVE 10/6 T	500442100	3 X 400 V ~	1,5	2	PN 80	PN 80	271
3 KVE 10/8 T	500442110	3 X 400 V ~	2,2	3	PN 80	PN 80	267

2/3 NKVE

WITH MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS



Applications

Characterised by the use of multi-impeller vertical axis electric pumps, these sets are acclaimed for their high efficiency, application versatility, and very low noise operation.

Utilised in large scale civil and industrial installations, selection of these sets must be performed by skilled engineers capable of assessing the effective requirements of the systems on which they are to be installed.

Construction features

SETS WITH 2-3 PUMPS

HYDRAULIC SECTION

- 2-3 Multistage vertical electric pumps NKV 10 - NKV 15 - NKV 20;
- Skid in galvanized steel;
- Flanged suction and discharge manifolds in galvanized steel complete with blank flange;
- Isolator valves on suction and discharge ports;
- Check valve for each pump;
- Radial pressure gauge with isolator valve;
- Galvanized steel column for mounting of the control panel;
- Membrane pressure tanks.

ELECTRICAL SECTION

The pump sets are supplied in a strong carton on a wooden pallet complete with instruction leaflet and wiring diagram

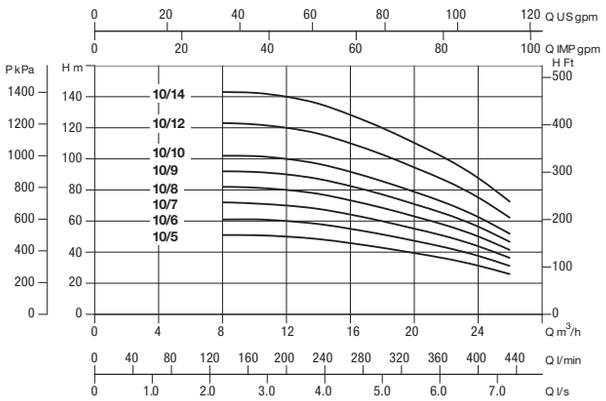
TECHNICAL DATA 2 NKVE

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
2NKV E 10/5 T	60140830	3 X 400 V ~	2x 2,2	2x 3	2x 4,7	5	4,0
2NKV E 10/6 T	60140831	3 X 400 V ~	2x 2,2	2x 3	2x 4,7	6	5,0
2NKV E 10/7 T	60140832	3 X 400 V ~	2x 3	2x 4	2x 5,8	7	6,0
2NKV E 10/8 T	60140833	3 X 400 V ~	2x 3	2x 4	2x 5,8	8	7,0
2NKV E 10/9 T	60140834	3 X 400 V ~	2x 3	2x 4	2x 5,8	9	8,0
2NKV E 10/10 T	60140835	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	10	8,5
2NKV E 10/12 T	60140836	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	12	10
2NKV E 10/14 T	60140837	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	14	12
2NKV E 15/3 T	60140838	3 X 400 V ~	2x 3	2x 4	2x 5,8	4	3,5
2NKV E 15/4 T	60140839	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	5	4
2NKV E 15/5 T	60140840	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	6,5	5
2NKV E 15/6 T	60140841	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	7,7	6,5
2NKV E 15/7 T	60140842	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	9	8
2NKV E 15/8 T	60140843	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	10	9
2NKV E 15/9 T	60140844	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	12	10
2NKV E 15/10 T	60140845	3 X 400 V ~	2x 11	2x 15	2x 22,4	13	11
2NKV E 20/3 T	60140846	3 X 400 V ~	2x 4	2x 5,5	2x 7,6	4	3
2NKV E 20/4 T	60140847	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	5,5	4,5
2NKV E 20/5 T	60140848	3 X 400 V ~	2x 5,5	2x 7,5	2x 11	7	6
2NKV E 20/6 T	60140849	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	8,5	7
2NKV E 20/7 T	60140850	3 X 400 V ~	2x 7,5	2x 10	2x 14,8	10	8,5
2NKV E 20/8 T	60140851	3 X 400 V ~	2x 11	2x 15	2x 22,4	11	9,5
2NKV E 20/9 T	60140852	3 X 400 V ~	2x 11	2x 15	2x 22,4	12,5	10
2NKV E 20/10 T	60140853	3 X 400 V ~	2x 11	2x 15	2x 22,4	14	12

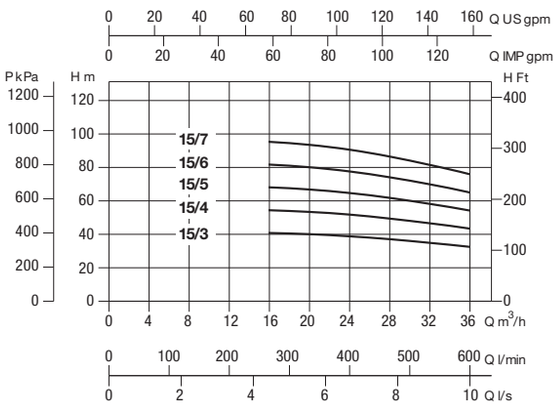
TECHNICAL DATA 3 NKVE

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW	HP			
3NKV E 10/5 T	60140908	3 X 400 V ~	3x 2,2	3x 3	3x 4,7	5	4,0
3NKV E 10/6 T	60140909	3 X 400 V ~	2x 2,2	3x 3	3x 4,7	6	5,0
3NKV E 10/7 T	60140910	3 X 400 V ~	3x 3	3x 4	3x 5,8	7	6,0
3NKV E 10/8 T	60140911	3 X 400 V ~	3x 3	3x 4	3x 5,8	8	7,0
3NKV E 10/9 T	60140912	3 X 400 V ~	3x 3	3x 4	3x 5,8	9	8,0
3NKV E 10/10 T	60140913	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	10	8,5
3NKV E 10/12 T	60140914	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	12	10
3NKV E 10/14 T	60140915	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	14	12
3NKV E 15/3 T	60140916	3 X 400 V ~	3x 3	3x 4	3x 5,8	4	3,5
3NKV E 15/4 T	60140917	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	5	4
3NKV E 15/5 T	60140918	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	6,5	5
3NKV E 15/6 T	60140919	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	7,7	6,5
3NKV E 15/7 T	60140920	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	9	8
3NKV E 15/8 T	60140921	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	10	9
3NKV E 15/9 T	60140922	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	12	10
3NKV E 15/10 T	60140923	3 X 400 V ~	3x 11	3x 15	3x 22,4	13	11
3NKV E 20/3 T	60140924	3 X 400 V ~	3x 4	3x 5,5	3x 7,6	4	3
3NKV E 20/4 T	60140925	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	5,5	4,5
3NKV E 20/5 T	60140926	3 X 400 V ~	3x 5,5	3x 7,5	3x 11	7	6
3NKV E 20/6 T	60140927	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	8,5	7
3NKV E 20/7 T	60140928	3 X 400 V ~	3x 7,5	3x 10	3x 14,8	10	8,5
3NKV E 20/8 T	60140929	3 X 400 V ~	3x 11	3x 15	3x 22,4	11	9,5
3NKV E 20/9 T	60140930	3 X 400 V ~	3x 11	3x 15	3x 22,4	12,5	10
3NKV E 20/10 T	60140931	3 X 400 V ~	3x 11	3x 15	3x 22,4	14	12

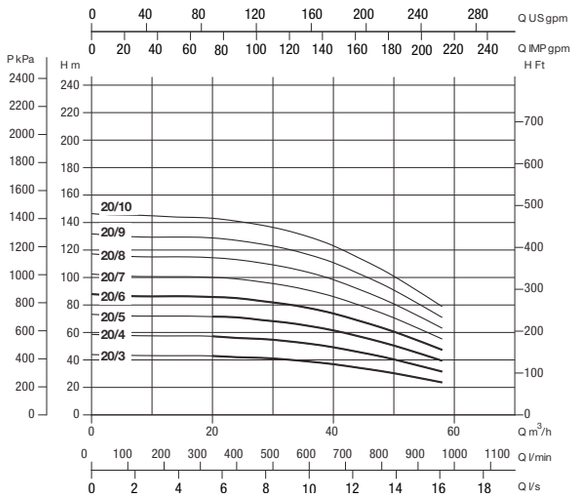
2 NKVE 10



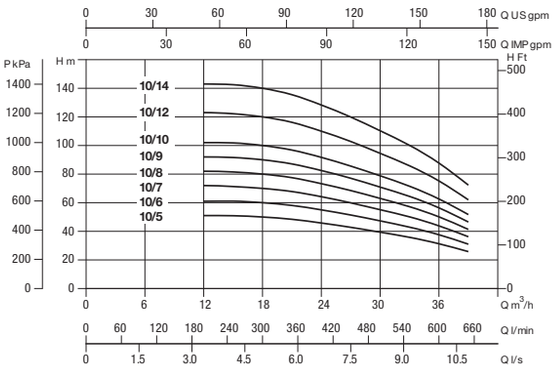
2 NKVE 15



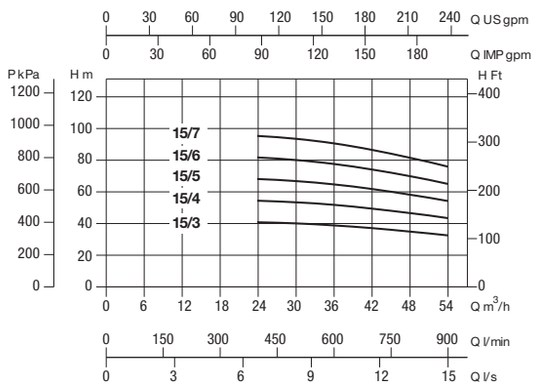
2 NKVE 20



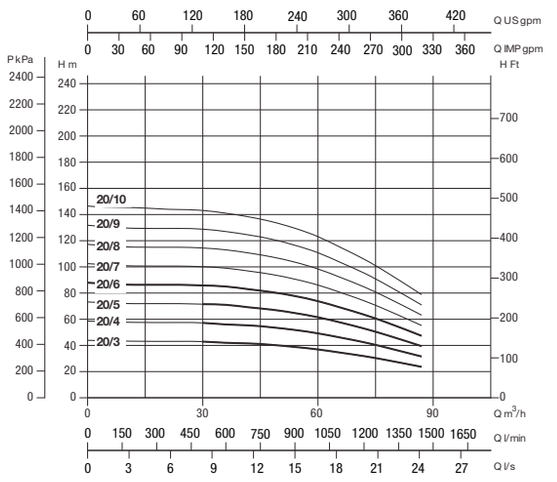
3 NKVE 10



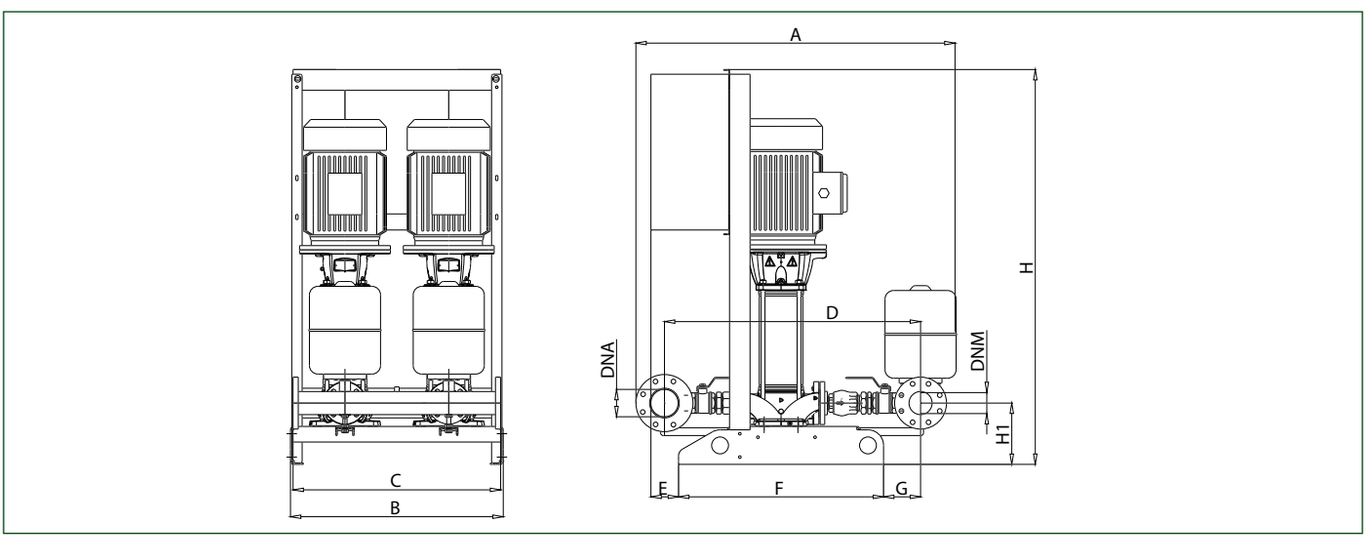
3 NKVE 15

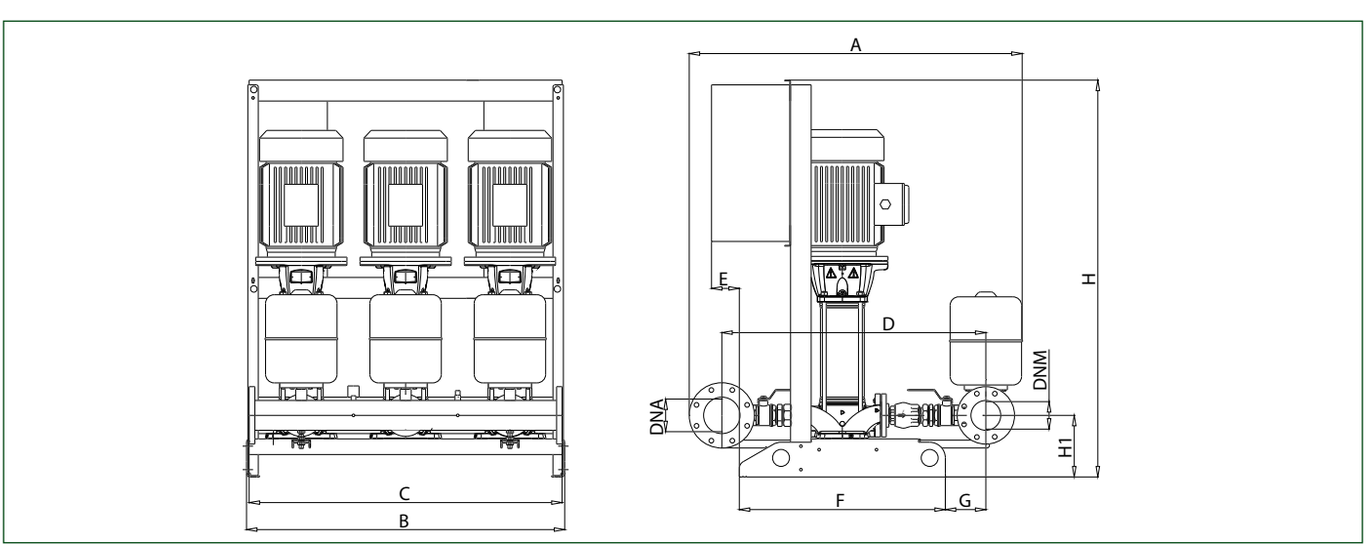


3 NKVE 20



DIMENSIONS





MODEL	A	B	C	D	E	F	G	H	H1	Ø	
										DNA	DNM
2 NKVE 10	1120	820	800	860	110	790	80	1525	226	2'1/2"	2'1/2"
2 NKVE 15-20	1265	820	800	975	110	790	145	1525	236	DN 100	DN 80
3 NKVE 10	1125	1220	1200	870	110	790	86	1525	226	DN 80	DN 80
3 NKVE 15-20	1265	1220	1200	1000	110	790	155	1525	236	DN 125	DN 100

2 / 3 KVE 50

SETS WITH MULTISTAGE CENTRIFUGAL PUMPS ON A VERTICAL AXIS



The use of vertically-mounted multistage centrifugal "KV" pumps offers high performance, versatility of use and silent-running. Used in large civil installations, they must be chosen by specialist engineers capable of assessing the real requirements of the systems in question.

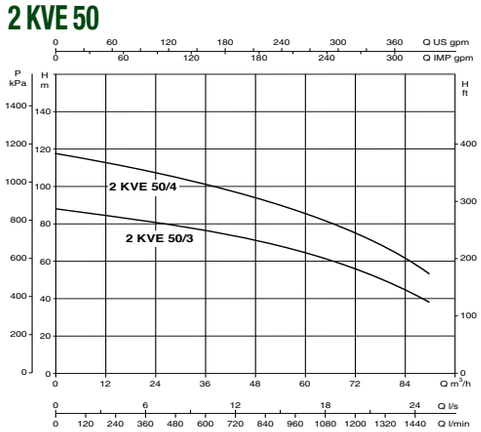
HYDRAULIC PART

- 2-3 KV 50 vertical multistage electric pumps;
- Galvanised steel plate complete with 4 anti-vibration rubber feet;
- Suction and delivery manifold in galvanised steel;
- Suction and delivery shut-off valves
- Suction check valve;
- Anti-vibration flexible couplings for connection to suction and delivery pipes;
- BY-PASS circuit complete with shut-off and automatic safety valve;
- Radial pressure gauge with shut-off valve;
- Adjustable galvanised steel column support for electrical panel;
- Membrane tanks.

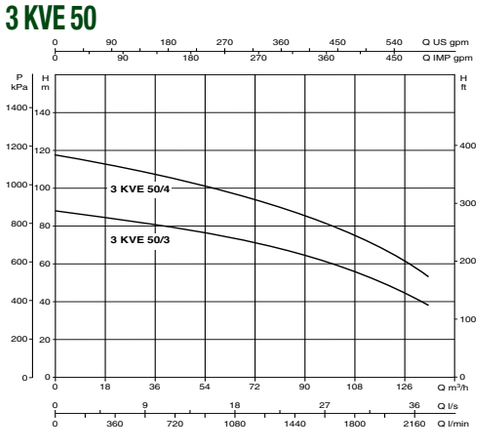
TECHNICAL DATA - 2 KVE 50 (Q max 86 m³/h - H max 150 m.c.a.) - 3 x 400 V~ 3 KVE 50 (Q max 129 m³/h - H max 150 m.c.a.) - 3 x 400 V~

MODEL		VOLTAGE 50 Hz	P2 NOMINAL		In A	ADJUSTABLE PRESSURE MAX - MIN BAR
			kW x2	HP x2		
2 KVE 50/3 T	500440370	3x400 V ~	2x9,2	2x12,5	2x18	8 - 4
2 KVE 50/4 T	500440380	3x400 V ~	2x11	2x15	2x22	10 - 5
3 KVE 50/3 T	500442220	3x400 V ~	3x9,2	3x12,5	3x18	8 - 4
3 KVE 50/4 T	500442230	3x400 V ~	3x11	3x15	3x22	10 - 5

2 KVE 50

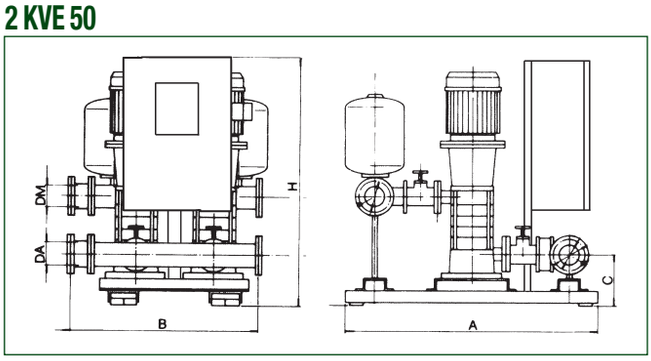


3 KVE 50

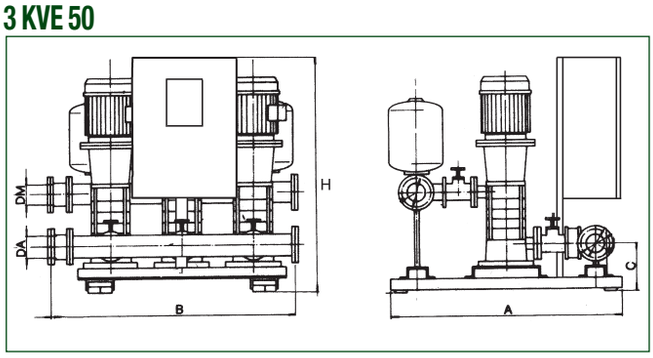


DIMENSIONS AND WEIGHTS - 2 KVCX AD

2 KVE 50



3 KVE 50



MODEL	A	B	C	H	MANIFOLD		WEIGHT Kg
					DNA	DNM	
2 KVE 50/3	1400	1000	300	1400	DN 125 - PN 10	DN 125 - PN 16	677
2 KVE 50/4	1400	1000	300	1400	DN 125 - PN 10	DN 125 - PN 16	782
3 KVE 50/3	1400	1200	300	1400	DN 125 - PN 10	DN 125 - PN 16	1007
3 KVE 50/4	1400	1200	300	1400	DN 125 - PN 10	DN 125 - PN 16	1167

2 K

SETS WITH CENTRIFUGAL PUMPS TWIN IMPELLER



Booster sets with 2 twin impeller centrifugal K pumps complete with base, suction and delivery manifold and 2 membrane vessels.

ELECTRICAL PANEL

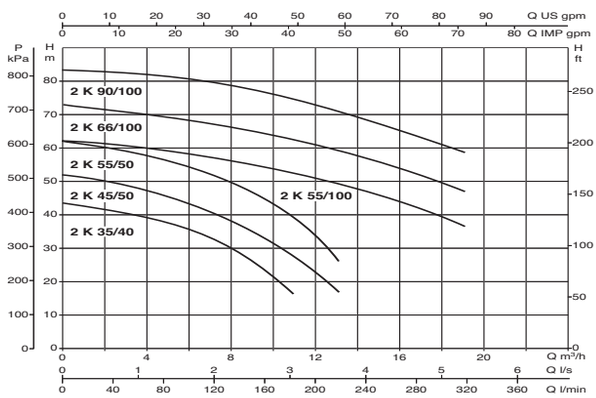
Automatic inverter for exchanging the order of pump starting at each start-up. Main switch.

Float or pressure switch can be inserted as protection against operation without water. Low voltage auxiliary circuit complete with transformer and fuse.

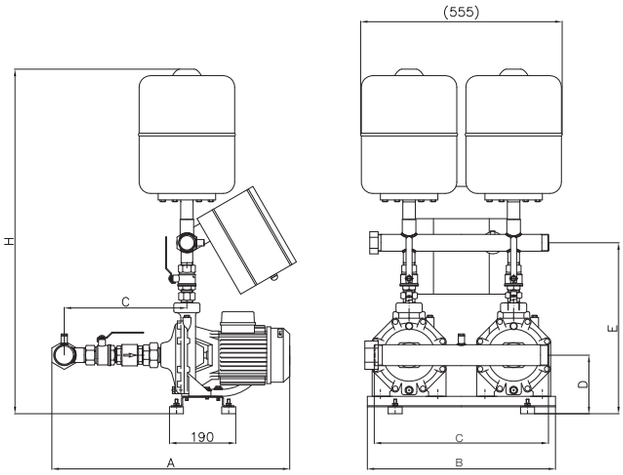
The units are supplied with tanks and air feeder connection.

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				MAX PRESSURE OBTAINABLE BAR	PRESSURE SWITCH SETTING IN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A		
			kW X 2	HP X 2			
2 K35/40 M	500124020	1 X 230 V ~	0,75	1	2x5,5	4,2	2,2÷3,3
2 K35/40 T	500124520	3 X 400 V ~	0,75	1	2x3,5	4,2	2,2÷3,3
2 K45/50 M	500124040	1 X 230 V ~	1,1	1,5	2x8,3	5,2	2,9÷4,6
2 K45/50 T	500124540	3 X 400 V ~	1,1	1,5	2x3,6	5,2	2,9÷4,6
2 K55/50 M	500124060	1 X 230 V ~	1,85	2,5	2x12,8	6,2	3,4÷5,3
2 K55/50 T	500124560	3 X 400 V ~	1,85	2,5	2x4,8	6,2	3,4÷5,3
2 K55/100 T	500124620	3 X 400 V ~	2,2	3	2x6,7	6,2	3,5÷5,5
2 K66/100 T	500124640	3 X 400 V ~	3	4	2x8,4	7,3	4,3÷6,5
2 K90/100 T	500124660	3 X 400 V ~	4	5,5	2x9,7	8,4	5,5÷8



DIMENSIONS AND WEIGHTS - 2 KVCX AD



MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLD		WEIGHT Kg.
									SUCTION	DELIVERY	
2 K 35/40 M	700	540	500	555	400	910	457	150	2"	1 1/2"	69
2 K 45/40 M	700	540	500	555	400	910	480	205	2"	1 1/2"	85
2 K 55/40 M	700	540	500	555	400	910	480	205	2"	1 1/2"	92
2 K 35/40 T	700	540	500	555	400	910	457	150	2"	1 1/2"	73
2 K 45/40 T	700	540	500	555	400	910	480	205	2"	1 1/2"	89
2 K 55/40 T	700	540	500	555	400	910	480	205	2"	1 1/2"	92
2 K 55/100 T	900	580	500	555	400	1120	570	220	2 1/2"	2 1/2"	155
2 K 66/100 T	900	580	500	555	400	1120	570	220	2 1/2"	2 1/2"	160
2 K 90/100 T	900	580	500	555	400	1120	570	220	2 1/2"	2 1/2"	167

1 - 2 - 3 NKP-G / K

SETS WITH CENTRIFUGAL PUMPS K - NKP



Water lifting sets suitable for civil installation, condominius, hotels, tourist facilities and industrial uses.
Lifting units equipped with 1-2-3 centrifugal pumps K series (twin impeller) and NKP / NKP-G series All lifting are complete with galvanised steel base, suction and delivery manifold (for units with one pump only delivery manifold), one stop valve on suction side for each pump and stop valve and non return valve on delivery side for each pump.
1 - 2 or 3 20 liters membran tanks; pressure trasmiter (pressure switch for 2-3 K 55/200) and pressure gauge on delivery manifold.
Electrical panel: IP 55, direct starting for single motors inputs up to 7,5 kW (included) and star-delta starting for single motors from 9,2 kW.

- Weekly test included as standard for all units.
- Available, where indicated, also with the relative pilot pump KVCX series.
- The units is supplied assembled, tested, in a strong cardboard box with wooden
pallet and instructions sheet with electrical diagram.

Weekly test included

TECHNICAL DATA - 1 K - 1NKP-G

1 CENTRIFUGAL PUMP

MODEL	CODE
1K 70/300 400-50	500510061
1K 80/300 400-50	500510071
1K 70/400 400-50	500510081
1K 80/400 400-50	500510091
1NKP-G 32-160/151 3 400-50	60146986
1NKP-G 32-160/163 4 400-50	60146987
1NKP-G 32-200/190 5,5 400-50	60146988
1NKP-G 32-200/210 7,5 400-50	60146989
1NKP-G 40-160/158 5,5 400-50	60146990
1NKP-G 40-160/172 7,5 400-50	60146991
1NKP-G 40-200/210 11 400-50	60146992
1NKP-G 40-250/230 15 400-50	60146993
1NKP-G 40-250/245 18,5 400-50	60146994
1NKP-G 40-250/260 22 400-50	60146995
1NKP-G 50-160/153 7,5 400-50	60146996
1NKP-G 50-160/169 11 400-50	60146997
1NKP-G 50-200/200 15 400-50	60146998
1NKP-G 50-200/210 18,5 400-50	60146999
1NKP-G 50-200/219 22 400-50	60147000
1NKP-G 50-250/230 22 400-50	60147001
1NKP-G 50-250/257 30 400-50	60147002
1NKP-G 65-160/157 11 400-50	500810300
1NKP-G 65-160/173 15 400-50	500810310
1NKP-G 65-200/190 18,5 400-50	500810320
1NKP-G 65-200/200 22 400-50	500810330
1NKP-G 65-200/219 30 400-50	500810340
1NKP-G 80-160/153 15 400-50	500810400
1NKP-G 80-160/163 18,5 400-50	500810410
1NKP-G 80-160/169 22 400-50	500810420
1NKP-G 80-200/190 30 400-50	500810430

1 CENTRIFUGAL PUMP + PILOT PUMP KV

MODEL	CODE
1K 70/300-KVCX 65-50 400-50	500510271
1K 80/300-KVCX 65-50 400-50	500510291
1K 70/400-KVCX 65-80 400-50	500510311
1K 80/400-KVCX 65-80 400-50	500510331
1NKP-G 32-160/151 3-KVCX 65-50 400-50	60147003
1NKP-G 32-160/163 4-KVCX 65-50 400-50	60147004
1NKP-G 32-200/190 5,5-KVCX 65-50 400-50	60147005
1NKP-G 32-200/210 7,5-KVCX 65-50 400-50	60147007
1NKP-G 40-160/158 5,5-KVCX 65-50 400-50	60147008
1NKP-G 40-160/172 7,5-KVCX 65-50 400-50	60147009
1NKP-G 40-200/210 11-KVCX 65-80 400-50	60147010
1NKP-G 40-250/230 15-KVCX 65-80 400-50	60147011
1NKP-G 40-250/245 18,5-KVCX 65-80 400-50	60147012
1NKP-G 40-250/260 22-KVCX 65-80 400-50	60147013
1NKP-G 50-160/153 7,5-KVCX 65-50 400-50	60147014
1NKP-G 50-160/169 11-KVCX 65-80 400-50	60147015
1NKP-G 50-200/200 15-KVCX 65-80 400-50	60147016
1NKP-G 50-200/210 18,5-KVCX 65-80 400-50	60147017
1NKP-G 50-200/219 22-KVCX 65-80 400-50	60147018
1NKP-G 50-250/230 22-KVCX 65-80 400-50	60147019
1NKP-G 50-250/257 30-KVCX 65-80 400-50	60147020
1NKP-G 65-160/157 11-KVCX 65-80 400-50	500810800
1NKP-G 65-160/173 15-KVCX 65-80 400-50	500810810
1NKP-G 65-200/190 18,5-KVCX 65-80 400-50	500810820
1NKP-G 65-200/200 22-KVCX 65-80 400-50	500810830
1NKP-G 65-200/219 30-KVCX 65-80 400-50	500810840
1NKP-G 80-160/153 15-KVCX 65-80 400-50	500810900
1NKP-G 80-160/163 18,5-KVCX 65-80 400-50	500810910
1NKP-G 80-160/169 22-KVCX 65-80 400-50	500810920
1NKP-G 80-200/190 30-KVCX 65-80 400-50	500810930

TECHNICAL DATA - 2 K - 2NKP-G

2 CENTRIFUGAL PUMP

MODEL	CODE
2 K55/200 T	500520020
2 K55/200 T + PS	500521020
2K 70/300 400-50	500520061
2K 80/300 400-50	500520071
2K 70/400 400-50	500520081
2K 80/400 400-50	500520091
2NKP-G 32-160/151 3 400-50	60147021
2NKP-G 32-160/163 4 400-50	60147022
2NKP-G 32-200/190 5,5 400-50	60147023
2NKP-G 32-200/210 7,5 400-50	60147024
2NKP-G 40-160/158 5,5 400-50	60147025
2NKP-G 40-160/172 7,5 400-50	60147026
2NKP-G 40-200/210 11 400-50	60147027
2NKP-G 40-250/230 15 400-50	60147028
2NKP-G 40-250/245 18,5 400-50	60147029
2NKP-G 40-250/260 22 400-50	60147030
2NKP-G 50-160/153 7,5 400-50	60147031
2NKP-G 50-160/169 11 400-50	60147032
2NKP-G 50-200/200 15 400-50	60147033
2NKP-G 50-200/210 18,5 400-50	60147034
2NKP-G 50-200/219 22 400-50	60147035
2NKP-G 50-250/230 22 400-50	60147036
2NKP-G 50-250/257 30 400-50	60147040
2NKP-G 65-160/157 11 400-50	500820300
2NKP-G 65-160/173 15 400-50	500820310
2NKP-G 65-200/190 18,5 400-50	500820320
2NKP-G 65-200/200 22 400-50	500820330
2NKP-G 65-200/219 30 400-50	500820340
2NKP-G 80-160/153 15 400-50	500820400
2NKP-G 80-160/163 18,5 400-50	500820410
2NKP-G 80-160/169 22 400-50	500820420
2NKP-G 80-200/190 30 400-50	500820430

2 CENTRIFUGAL PUMP + PILOT PUMP KV

MODEL	CODE
2 K55/200 T (pompa pilota KV 6/7 T)	500520250
2 K55/200 T (pompa pilota KV 6/7 T) + PS	500520260
2K 70/300-KVCX 65-50 400-50	500520271
2K 80/300-KVCX 65-50 400-50	500520291
2K 70/400-KVCX 65-80 400-50	500520311
2K 80/400-KVCX 65-80 400-50	500520331
2NKP-G 32-160/151 3-KVCX 65-50 400-50	60147041
2NKP-G 32-160/163 4-KVCX 65-50 400-50	60147042
2NKP-G 32-200/190 5,5-KVCX 65-50 400-50	60147043
2NKP-G 32-200/210 7,5-KVCX 65-50 400-50	60147044
2NKP-G 40-160/158 5,5-KVCX 65-50 400-50	60147045
2NKP-G 40-160/172 7,5-KVCX 65-50 400-50	60147046
2NKP-G 40-200/210 11-KVCX 65-80 400-50	60147047
2NKP-G 40-250/230 15-KVCX 65-80 400-50	60147048
2NKP-G 40-250/245 18,5-KVCX 65-80 400-50	60147049
2NKP-G 40-250/260 22-KVCX 65-80 400-50	60147050
2NKP-G 50-160/153 7,5-KVCX 65-50 400-50	60147051
2NKP-G 50-160/169 11-KVCX 65-80 400-50	60147052
2NKP-G 50-200/200 15-KVCX 65-80 400-50	60147053
2NKP-G 50-200/210 18,5-KVCX 65-80 400-50	60147054
2NKP-G 50-200/219 22-KVCX 65-80 400-50	60147055
2NKP-G 50-250/230 22-KVCX 65-80 400-50	60147056
2NKP-G 50-250/257 30-KVCX 65-80 400-50	60147057
2NKP-G 65-160/157 11-KVCX 65-80 400-50	500820800
2NKP-G 65-160/173 15-KVCX 65-80 400-50	500820810
2NKP-G 65-200/190 18,5-KVCX 65-80 400-50	500820820
2NKP-G 65-200/200 22-KVCX 65-80 400-50	500820830
2NKP-G 65-200/219 30-KVCX 65-80 400-50	500820840
2NKP-G 80-160/153 15-KVCX 65-80 400-50	500820900
2NKP-G 80-160/163 18,5-KVCX 65-80 400-50	500820910
2NKP-G 80-160/169 22-KVCX 65-80 400-50	500820920
2NKP-G 80-200/190 30-KVCX 65-80 400-50	500820930

TECHNICAL DATA - 3 K - 3 NKP-G

3 CENTRIFUGAL PUMP

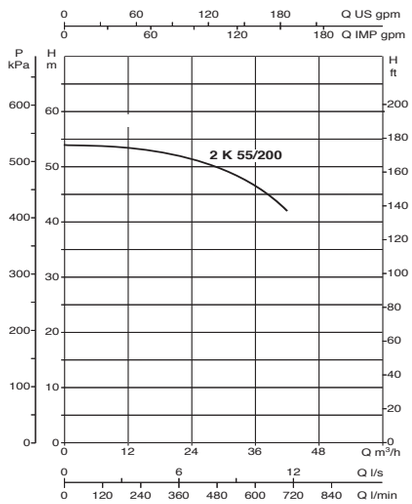
MODEL	CODE
3 K55/200 T	500530020
3 K55/200 T + PS	500531020
3K 70/300 400-50	500530061
3K 80/300 400-50	500530071
3K 70/400 400-50	500530081
3K 80/400 400-50	500530091
3NKP-G 32-160/151 3 400-50	60147058
3NKP-G 32-160/163 4 400-50	60147059
3NKP-G 32-200/190 5,5 400-50	60147060
3NKP-G 32-200/210 7,5 400-50	60147061
3NKP-G 40-160/158 5,5 400-50	60147062
3NKP-G 40-160/172 7,5 400-50	60147063
3NKP-G 40-200/210 11 400-50	60147064
3NKP-G 40-250/230 15 400-50	60147065
3NKP-G 40-250/245 18,5 400-50	60147066
3NKP-G 40-250/260 22 400-50	60147067
3NKP-G 50-160/153 7,5 400-50	60147068
3NKP-G 50-160/169 11 400-50	60147069
3NKP-G 50-200/200 15 400-50	60147070
3NKP-G 50-200/210 18,5 400-50	60147071
3NKP-G 50-200/219 22 400-50	60147072
3NKP-G 50-250/230 22 400-50	60147073
3NKP-G 50-250/257 30 400-50	60147074
3NKP-G 65-160/157 11 400-50	500830300
3NKP-G 65-160/173 15 400-50	500830310
3NKP-G 65-200/190 18,5 400-50	500830320
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3NKP-G 80-160/169 22 400-50	500830420
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3 CENTRIFUGAL PUMP + PILOT PUMP KV

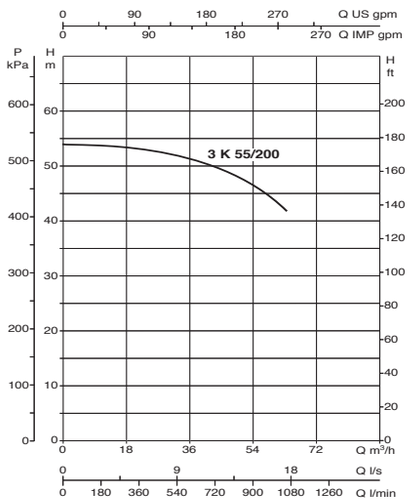
MODEL	CODE
3 K55/200 T (pompa pilota KV 6/7 T)	500532050
3 K55/200 T (pompa pilota KV 6/7 T) + PS	500532550
3K 70/300-KVCX 65-50 400-50	500532061
3K 80/300-KVCX 65-50 400-50	500532071
3K 70/400-KVCX 65-80 400-50	500532081
3K 80/400-KVCX 65-80 400-50	500532091
3NKP-G 32-160/151 3-KVCX 65-50 400-50	60147075
3NKP-G 32-160/163 4-KVCX 65-50 400-50	60147076
3NKP-G 32-200/190 5,5 -KVCX 65-50 400-50	60147077
3NKP-G 32-200/210 7,5-KVCX 65-50 400-50	60147078
3NKP-G 40-160/158 5,5-KVCX 65-50 400-50	60147079
3NKP-G 40-160/172 7,5-KVCX 65-50 400-50	60147080
3NKP-G 40-200/210 11-KVCX 65-80 400-50	60147081
3NKP-G 40-250/230 15-KVCX 65-80 400-50	60147082
3NKP-G 40-250/245 18,5-KVCX 65-80 400-50	60147083
3NKP-G 40-250/260 22-KVCX 65-80 400-50	60147084
3NKP-G 50-160/153 7,5-KVCX 65-50 400-50	60147085
3NKP-G 50-160/169 11-KVCX 65-80 400-50	60147086
3NKP-G 50-200/200 15-KVCX 65-80 400-50	60147087
3NKP-G 50-200/210 18,5-KVCX 65-80 400-50	60147088
3NKP-G 50-200/219 22-KVCX 65-80 400-50	60147089
3NKP-G 50-250/230 22-KVCX 65-80 400-50	60147090
3NKP-G 50-250/257 30-KVCX 65-80 400-50	60147091
3NKP-G 65-160/157 11-KVCX 65-80 400-50	500830800
3NKP-G 65-160/173 15-KVCX 65-80 400-50	500830810
3NKP-G 65-200/190 18,5-KVCX 65-80 400-50	500830820
3NKP-G 65-200/200 22-KVCX 65-80 400-50	500830830
3NKP-G 65-200/219 30-KVCX 65-80 400-50	500830840
3NKP-G 80-160/153 15-KVCX 65-80 400-50	500830900
3NKP-G 80-160/163 18,5-KVCX 65-80 400-50	500830910
3NKP-G 80-160/169 22-KVCX 65-80 400-50	500830920
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TECHNICAL DATA

2K



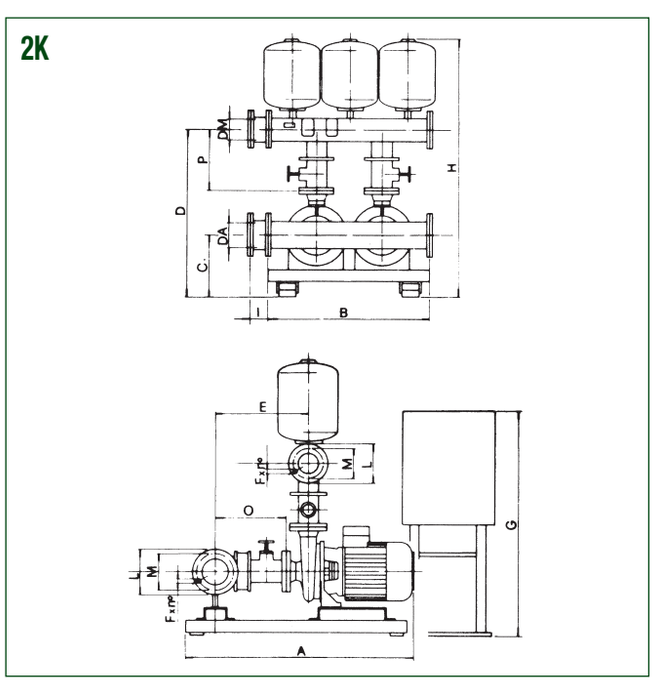
3K



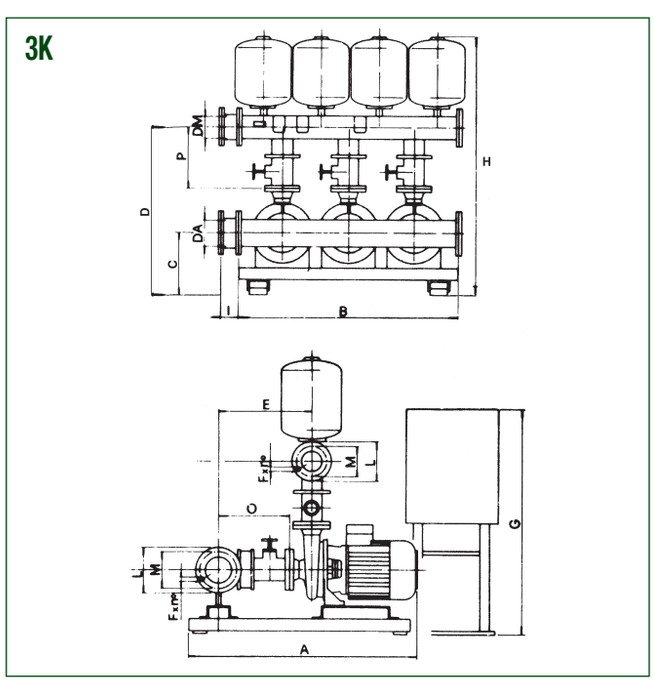
MODEL	VOLTAGE 50 Hz	P2 NOMINAL		In A	PRESSURE SWITCH SETTING IN BAR	PILOT PUMP*		
		kW x2	HP x2			TIPO	P2	
							kW	HP
2 K 55/200 T	3x400 V~	2x4	2x5,5	2x16,3-9,4	4,3÷5,1	KV 6/7 T	1,1	1,5
3 K 55/200 T	3x400 V~	3x4	3x5,5	3x16,3-9,4	4,3÷5,1	KV 6/7 T	1,1	1,5

DIMENSIONS AND WEIGHTS

2K



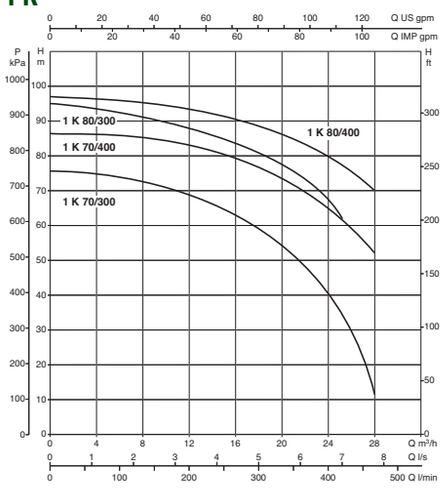
3K



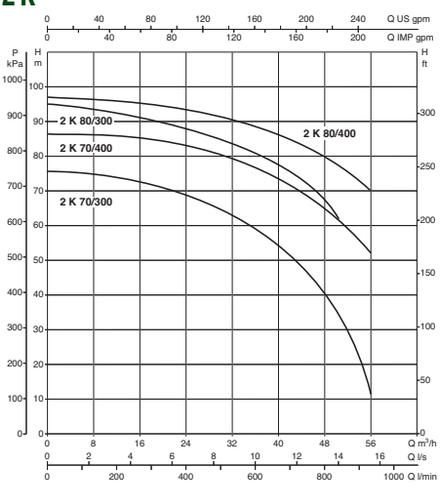
MODEL	A	B	C	D	E	G	H	O	P	Ø MANIFOLD										WEIGHT Kg.
										SUCTION					DELIVERY					
										ø DA	I	L	M	Fxn°	ø DN	I	L	M	Fxn°	
2 K 55/200 T	850	720	200	585	425	1005	1165	380	260	DN 80	130	200	160	18x4	DN 80	130	200	160	18x4	242
3 K 55/200 T	900	1100	200	595	435	1005	1185	390	260	DN 100	135	220	180	18x8	DN 100	135	220	180	18x8	365

TECHNICAL DATA 1-2-3 K GROUPS

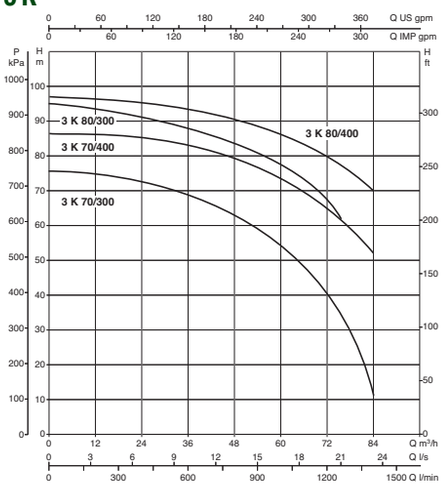
1 K



2 K



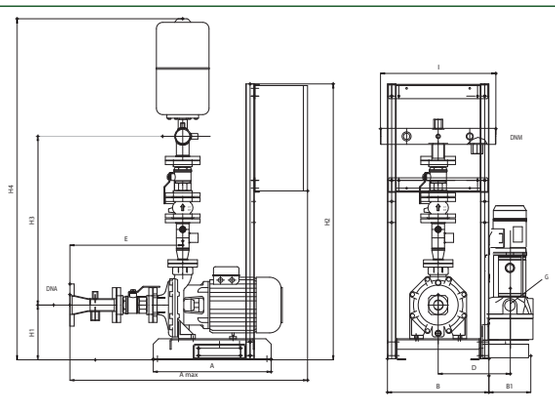
3 K



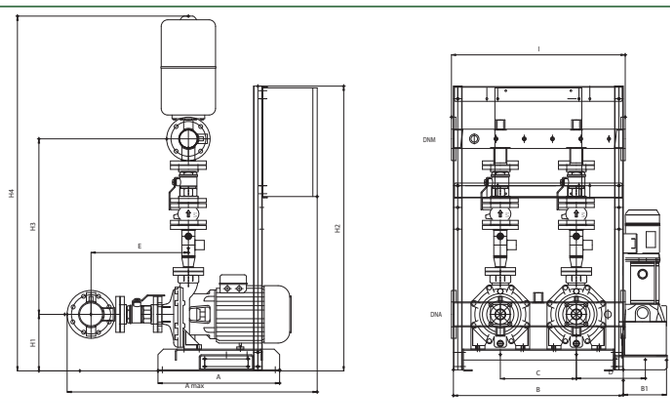
MODEL	VOLTAGE	P2 NOMINAL kW	P2 NOMINAL HP	P2 NOMINAL PILOT PUMP kW	In PUMPS A	MAX PRESSURE OBTAINABLE BAR	DAB STANDARD PRESSURE BAR
1K 70/300 + KVC 65/50	3x400 V	5,5	7,5	1,1	12,9	7,3	6,5
1K 80/300 + KVC 65/80	3x400 V	7,5	10	1,1	15	9,2	8,5
1K 70/400 + KVC 65/80	3x400 V	9,2	12,5	2,2	18	8,3	7,5
1K 80/400 + KVC 65/80	3x400 V	11	15	2,2	21	9,5	8,5
2K 70/300 + KVC 65/50	3x400 V	2 x 5,5	2 x 7,5	1,1	2 x 12,9	7,3	6,5
2K 80/300 + KVC 65/80	3x400 V	2 x 7,5	2 x 10	1,1	2 x 15	9,2	8,5
2K 70/400 + KVC 65/80	3x400 V	2 x 9,2	2 x 12,5	2,2	2 x 18	8,3	7,5
2K 80/400 + KVC 65/80	3x400 V	2 x 11	2 x 15	2,2	2 x 21	9,5	8,5
3K 70/300 + KVC 65/50	3x400 V	3 x 5,5	3 x 7,5	1,1	3 x 12,9	7,3	6,5
3K 80/300 + KVC 65/80	3x400 V	3 x 7,5	3 x 10	1,1	3 x 15	9,2	8,5
3K 70/400 + KVC 65/80	3x400 V	3 x 9,2	3 x 12,5	2,2	3 x 18	8,3	7,5
3K 80/400 + KVC 65/80	3x400 V	3 x 11	3 x 15	2,2	3 x 21	9,5	8,5

DIMENSIONS AND WEIGHTS

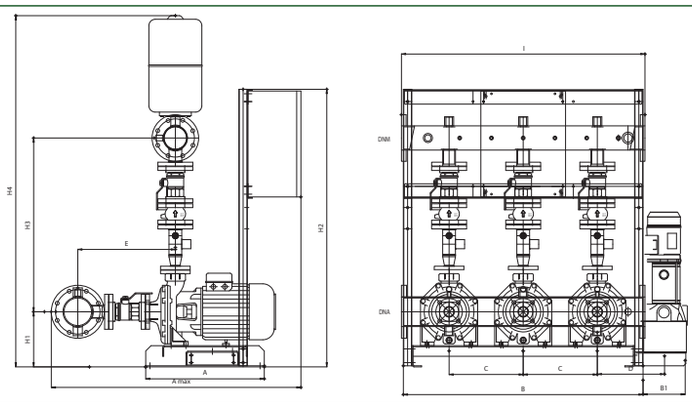
1 K



2 K



3 K



MODEL	A	A max	B	B1	C	D	E	G	H	H1	H2	H3	H4	I	DNA	DNM
1K 70/300 + KVC 65/50	560	1129	482	199	-	343	536	1" 1/4	182	260	1310	801	1619	548	DN80	2" 1/2
1K 80/300 + KVC 65/80	560	1129	482	199	-	343	536	1" 1/4	182	260	1310	801	1619	548	DN80	2" 1/2
1K 70/400 + KVC 65/80	560	1129	482	199	-	343	536	1" 1/4	182	260	1310	801	1619	548	DN80	2" 1/2
1K 80/400 + KVC 65/80	560	1129	482	199	-	343	536	1" 1/4	182	260	1310	801	1619	548	DN80	2" 1/2
2K 70/300 + KVC 65/50	560	1151	782	199	350	318	448	-	-	260	1310	807	1632	800	DN100	DN 80
2K 80/300 + KVC 65/80	560	1151	782	199	350	318	448	-	-	260	1310	807	1632	800	DN100	DN 80
2K 70/400 + KVC 65/80	560	1151	782	199	350	318	448	-	-	260	1310	807	1632	800	DN100	DN 80
2K 80/400 + KVC 65/80	560	1151	782	199	350	318	448	-	-	260	1310	807	1632	800	DN100	DN 80
3K 70/300 + KVC 65/50	560	1179	1132	199	350	318	461	-	-	260	1310	820	1657	1150	DN 125	DN 100
3K 80/300 + KVC 65/80	560	1179	1132	199	350	318	461	-	-	260	1310	820	1657	1150	DN 125	DN 100
3K 70/400 + KVC 65/80	560	1179	1132	199	350	318	461	-	-	260	1310	820	1657	1150	DN 125	DN 100
3K 80/400 + KVC 65/80	560	1179	1132	199	350	318	461	-	-	260	1310	820	1657	1150	DN 125	DN 100

DAB PUMPS reserves the right to make modifications without notice

TECHNICAL DATA 1 NKP

MODEL	VOLTAGE	P2 NOMINAL kW	P2 NOMINAL HP	P2 NOMINAL PILOT PUMP kW	In PUMPS A	MAX PRESSURE OBTAINABLE BAR	DAB STANDARD PRESSURE BAR
1NKP 32-160/151 + KVC 65/50	3x400 V	3	4	1,1	6,7	3	2,5
1NKP 32-160/163 + KVC 65/50	3x400 V	4	5,5	1,1	8,7	3,5	3
1NKP 32-200/190 + KVC 65/50	3x400 V	5,5	7,5	1,1	11,6	4,5	4
1NKP 32-200/210 + KVC 65/50	3x400 V	7,5	10	1,1	14	5,6	5
1NKP 40-160/158 + KVC 65/50	3x400 V	5,5	7,5	1,1	11,6	3,3	3
1NKP 40-160/172 + KVC 65/50	3x400 V	7,5	10	1,1	14	4	3,5
1NKP 40-200/210 + KVC 65/80	3x400 V	11	15	2,2	22,5	5,5	5
1NKP 40-250/230 + KVC 65/80	3x400 V	15	20	2,2	31	7	6,5
1NKP 40-250/245 + KVC 65/80	3x400 V	18,5	25	2,2	36	8	7,5
1NKP 40-250/260 + KVC 65/80	3x400 V	22	30	2,2	43	9,3	8,5
1NKP 50-160/153 + KVC 65/50	3x400 V	7,5	10	1,1	14	3	2,5
1NKP 50-160/169 + KVC 65/80	3x400 V	11	15	2,2	22,5	3,8	3,3
1NKP 50-200/200 + KVC 65/80	3x400 V	15	20	2,2	31	5,2	5
1NKP 50-200/210 + KVC 65/80	3x400 V	18,5	25	2,2	36	6	5,5
1NKP 50-200/219 + KVC 65/80	3x400 V	22	30	2,2	43	6,5	6
1NKP 50-250/230 + KVC 65/80	3x400 V	22	30	2,2	43	7	6,5
1NKP 50-200/257 + KVC 65/80	3x400 V	30	40	2,2	57	9	8,5
1NKP-G 65-160/157 + KVC 65/80	3x400 V	11	15	2,2	20,4	3	2,5
1NKP-G 65-160/173 + KVC 65/80	3x400 V	15	20	2,2	27,5	3,8	3,5
1NKP-G 65-200/190 + KVC 65/80	3x400 V	18,5	25	2,2	33,5	5	4,5
1NKP-G 65-200/200 + KVC 65/80	3x400 V	22	30	2,2	39,5	5,5	5
1NKP-G 65-200/219 + KVC 65/80	3x400 V	30	40	2,2	52,5	6,5	6
1NKP-G 80-160/153 + KVC 65/80	3x400 V	15	20	2,2	27,5	2,8	2,5
1NKP-G 80-160/163 + KVC 65/80	3x400 V	18,5	25	2,2	33,5	3,3	3
1NKP-G 80-160/169 + KVC 65/80	3x400 V	22	30	2,2	39,5	3,7	3,3
1NKP-G 80-200/190 + KVC 65/80	3x400 V	30	40	2,2	52,5	4,6	4,5

DAB PUMPS reserves the right to make modifications without notice

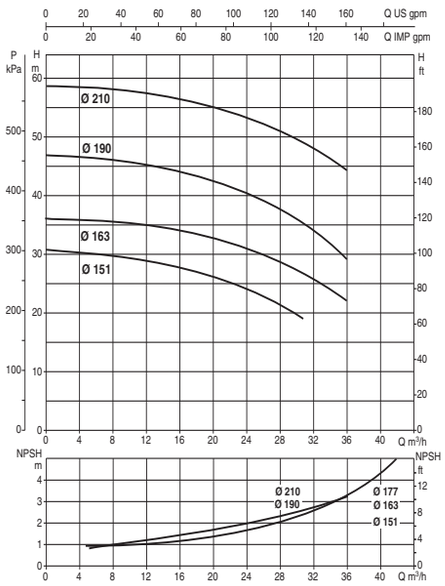
TECHNICAL DATA 2 NKP

MODEL	VOLTAGE	P2 NOMINAL kW	P2 NOMINAL HP	P2 NOMINAL PILOT PUMP kW	In PUMPS A	MAX PRESSURE OBTAINABLE BAR	DAB STANDARD PRESSURE BAR
2NKP 32-160/151 + KVC 65/50	3x400 V	2 x 3	2 x 4	1,1	2 x 6,7	3	2,5
2NKP 32-160/163 + KVC 65/50	3x400 V	2 x 4	2 x 5,5	1,1	2 x 8,7	3,5	3
2NKP 32-200/190 + KVC 65/50	3x400 V	2 x 5,5	2 x 7,5	1,1	2 x 11,6	4,5	4
2NKP 32-200/210 + KVC 65/50	3x400 V	2 x 7,5	2 x 10	1,1	2 x 14	5,6	5
2NKP 40-160/158 + KVC 65/50	3x400 V	2 x 5,5	2 x 7,5	1,1	2 x 11,6	3,3	3
2NKP 40-160/172 + KVC 65/50	3x400 V	2 x 7,5	2 x 10	1,1	2 x 14	4	3,5
2NKP 40-200/210 + KVC 65/80	3x400 V	2 x 11	2 x 15	2,2	2 x 22,5	5,5	5
2NKP 40-250/230 + KVC 65/80	3x400 V	2 x 15	2 x 20	2,2	2 x 31	7	6,5
2NKP 40-250/245 + KVC 65/80	3x400 V	2 x 18,5	2 x 25	2,2	2 x 36	8	7,5
2NKP 40-250/260 + KVC 65/80	3x400 V	2 x 22	2 x 30	2,2	2 x 43	9,3	8,5
2NKP 50-160/153 + KVC 65/50	3x400 V	2 x 7,5	2 x 10	1,1	2 x 14	3	2,5
2NKP 50-160/169 + KVC 65/80	3x400 V	2 x 11	2 x 15	2,2	2 x 22,5	3,8	3,3
2NKP 50-200/200 + KVC 65/80	3x400 V	2 x 15	2 x 20	2,2	2 x 31	5,2	5
2NKP 50-200/210 + KVC 65/80	3x400 V	2 x 18,5	2 x 25	2,2	2 x 36	6	5,5
2NKP 50-200/219 + KVC 65/80	3x400 V	2 x 22	2 x 30	2,2	2 x 43	6,5	6
2NKP 50-250/230 + KVC 65/80	3x400 V	2 x 22	2 x 30	2,2	2 x 43	7	6,5
2NKP 50-200/257 + KVC 65/80	3x400 V	2 x 30	2 x 40	2,2	2 x 57	9	8,5
2NKP-G 65-160/157 + KVC 65/80	3x400 V	2 x 11	2 x 15	2,2	2 x 20,4	3	2,5
2NKP-G 65-160/173 + KVC 65/80	3x400 V	2 x 15	2 x 20	2,2	2 x 27,5	3,8	3,5
2NKP-G 65-200/190 + KVC 65/80	3x400 V	2 x 18,5	2 x 25	2,2	2 x 33,5	5	4,5
2NKP-G 65-200/200 + KVC 65/80	3x400 V	2 x 22	2 x 30	2,2	2 x 39,5	5,5	5
2NKP-G 65-200/219 + KVC 65/80	3x400 V	2 x 30	2 x 40	2,2	2 x 52,5	6,5	6
2NKP-G 80-160/153 + KVC 65/80	3x400 V	2 x 15	2 x 20	2,2	2 x 27,5	2,8	2,5
2NKP-G 80-160/163 + KVC 65/80	3x400 V	2 x 18,5	2 x 25	2,2	2 x 33,5	3,3	3
2NKP-G 80-160/169 + KVC 65/80	3x400 V	2 x 22	2 x 30	2,2	2 x 39,5	3,7	3,3
2NKP-G 80-200/190 + KVC 65/80	3x400 V	2 x 30	2 x 40	2,2	2 x 52,5	4,6	4,5

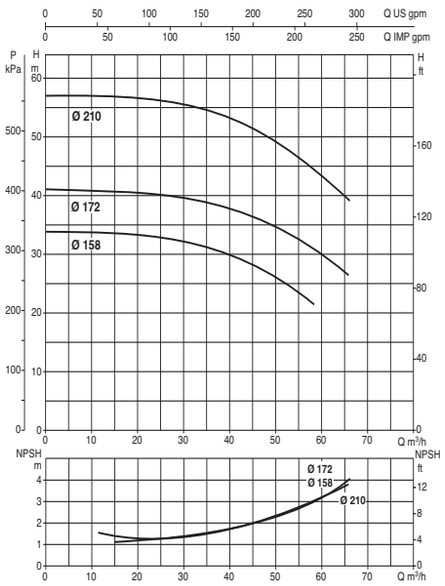
TECHNICAL DATA 3 NKP

MODEL	VOLTAGE	P2 NOMINAL kW	P2 NOMINAL HP	P2 NOMINAL PILOT PUMP kW	In PUMPS A	MAX PRESSURE OBTAINABLE BAR	DAB STANDARD PRESSURE BAR
3NKP 32-160/151 + KVC 65/50	3x400 V	3 x 3	3 x 4	1,1	3 x 6,7	3	2,5
3NKP 32-160/163 + KVC 65/50	3x400 V	3 x 4	3 x 5,5	1,1	3 x 8,7	3,5	3
3NKP 32-160/177 + KVC 65/50	3x400 V	3 x 5,5	3 x 7,5	1,1	3 x 11,6	4,2	3,8
3NKP 32-200/190 + KVC 65/50	3x400 V	3 x 5,5	3 x 7,5	1,1	3 x 11,6	4,5	4
3NKP 32-200/210 + KVC 65/50	3x400 V	3 x 7,5	3 x 10	1,1	3 x 14	5,6	5
3NKP 40-160/158 + KVC 65/50	3x400 V	3 x 5,5	3 x 7,5	1,1	2 x 11,6	3,3	3
3NKP 40-160/172 + KVC 65/50	3x400 V	3 x 7,5	3 x 10	1,1	3 x 14	4	3,5
3NKP 40-200/210 + KVC 65/80	3x400 V	3 x 11	3 x 15	2,2	2 x 22,5	5,5	5
3NKP 40-250/230 + KVC 65/80	3x400 V	3 x 15	3 x 20	2,2	3 x 31	7	6,5
3NKP 40-250/245 + KVC 65/80	3x400 V	3 x 18,5	3 x 25	2,2	3 x 36	8	7,5
3NKP 40-250/260 + KVC 65/80	3x400 V	3 x 22	3 x 30	2,2	3 x 43	9,3	8,5
3NKP 50-160/153 + KVC 65/50	3x400 V	3 x 7,5	3 x 10	1,1	3 x 14	3	2,5
3NKP 50-160/169 + KVC 65/80	3x400 V	3 x 11	3 x 15	2,2	2 x 22,5	3,8	3,3
3NKP 50-200/200 + KVC 65/80	3x400 V	3 x 15	3 x 20	2,2	2 x 31	5,2	5
3NKP 50-200/210 + KVC 65/80	3x400 V	3 x 18,5	3 x 25	2,2	3 x 36	6	5,5
3NKP 50-200/219 + KVC 65/80	3x400 V	3 x 22	3 x 30	2,2	3 x 43	6,5	6
3NKP 50-250/230 + KVC 65/80	3x400 V	3 x 22	3 x 30	2,2	3 x 43	7	6,5
3NKP 50-200/257 + KVC 65/80	3x400 V	3 x 30	3 x 40	2,2	2 x 57	9	8,5
3NKP-G 65-160/157 + KVC 65/80	3x400 V	3 x 11	3 x 15	2,2	3 x 20,4	3	2,5
3NKP-G 65-160/173 + KVC 65/80	3x400 V	3 x 15	3 x 20	2,2	3 x 27,5	3,8	3,5
3NKP-G 65-200/190 + KVC 65/80	3x400 V	3 x 18,5	3 x 25	2,2	3 x 33,5	5	4,5
3NKP-G 65-200/200 + KVC 65/80	3x400 V	3 x 22	3 x 30	2,2	3 x 39,5	5,5	5
3NKP-G 65-200/219 + KVC 65/80	3x400 V	3 x 30	3 x 40	2,2	3 x 52,5	6,5	6
3NKP-G 80-160/153 + KVC 65/80	3x400 V	3 x 15	3 x 20	2,2	3 x 27,5	2,8	2,5
3NKP-G 80-160/163 + KVC 65/80	3x400 V	3 x 18,5	3 x 25	2,2	3 x 33,5	3,3	3
3NKP-G 80-160/169 + KVC 65/80	3x400 V	3 x 22	3 x 30	2,2	3 x 39,5	3,7	3,3
3NKP-G 80-200/190 + KVC 65/80	3x400 V	3 x 30	3 x 40	2,2	3 x 52,5	4,6	4,5

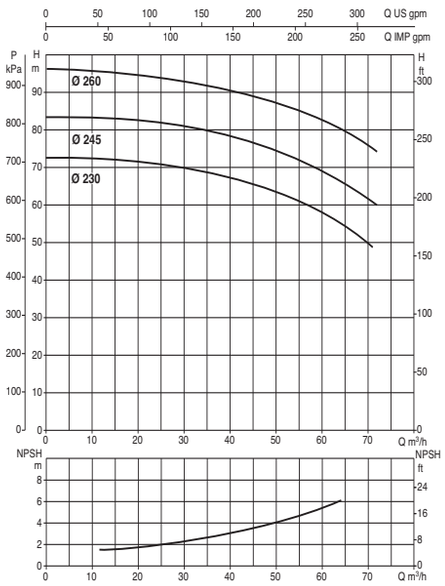
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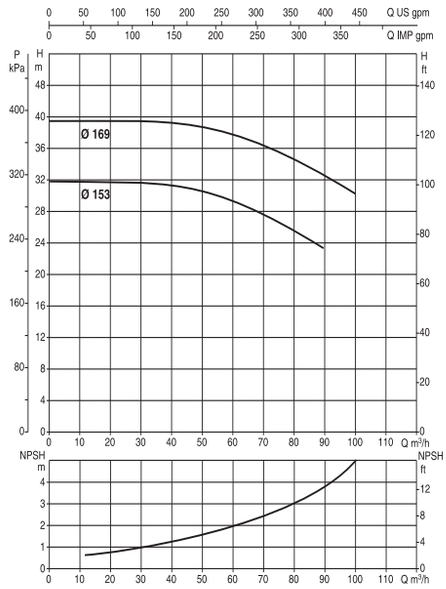
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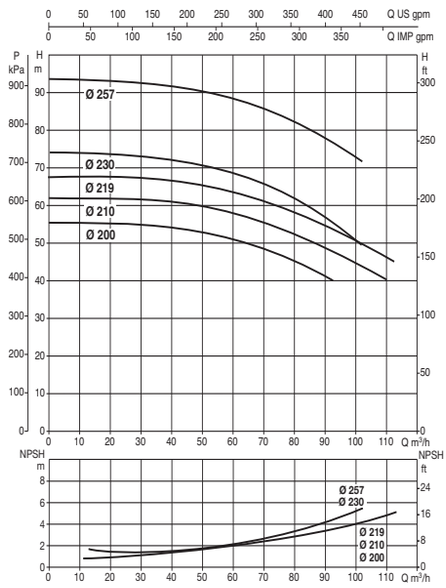
1 NKP 40-250



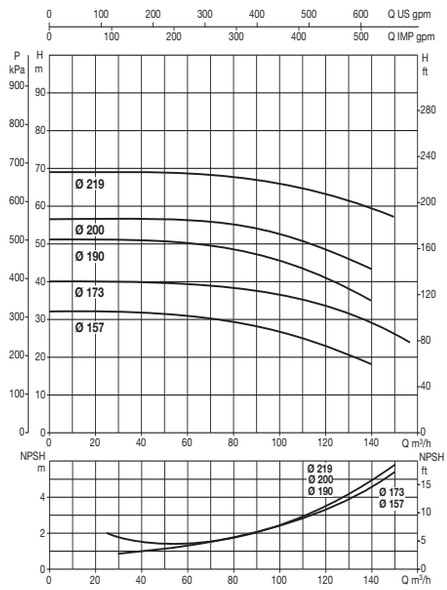
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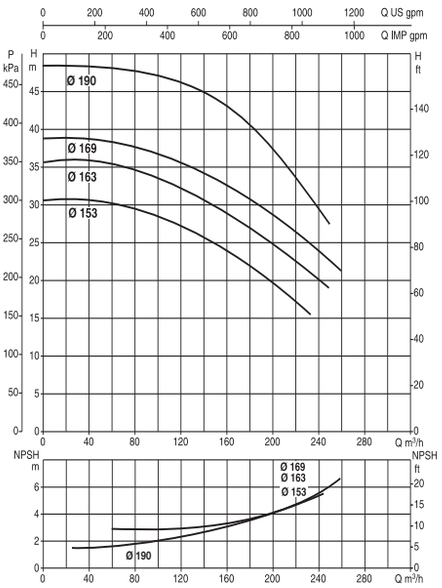
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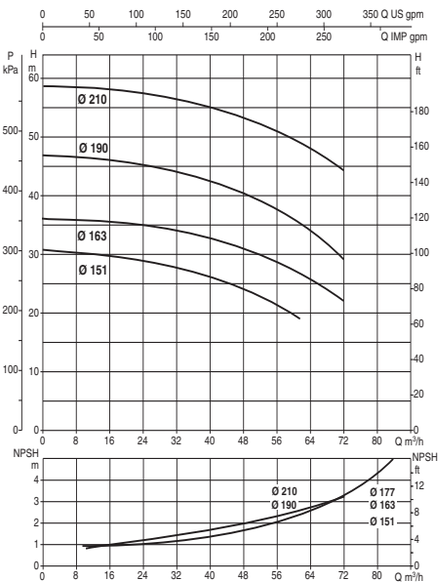
1 NKP-G 65



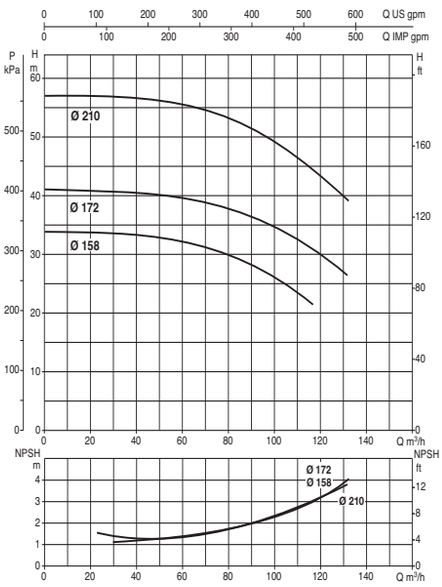
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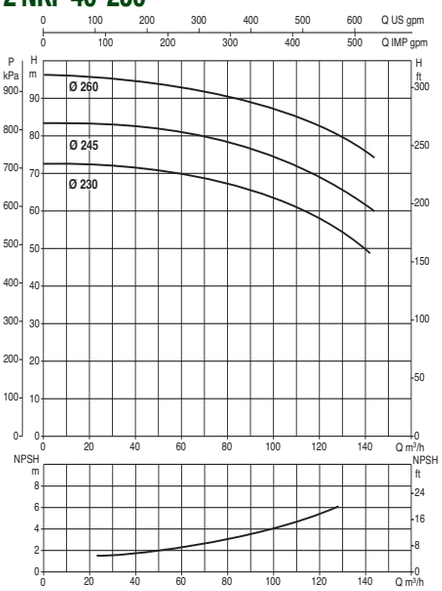
2 NKP 32



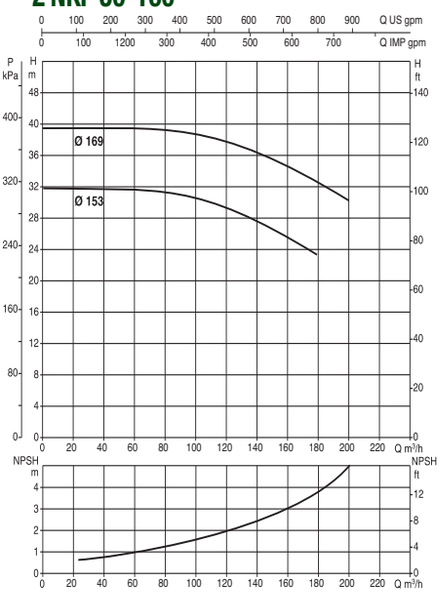
2 NKP 40 - 160/200



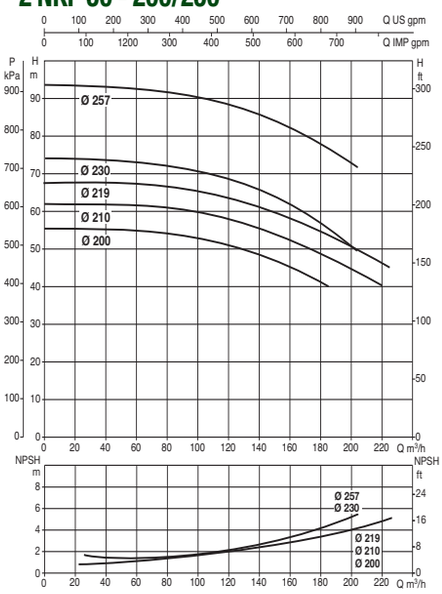
2 NKP 40-250



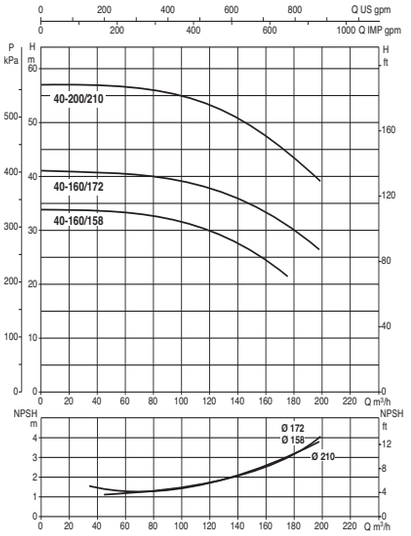
2 NKP 50-160



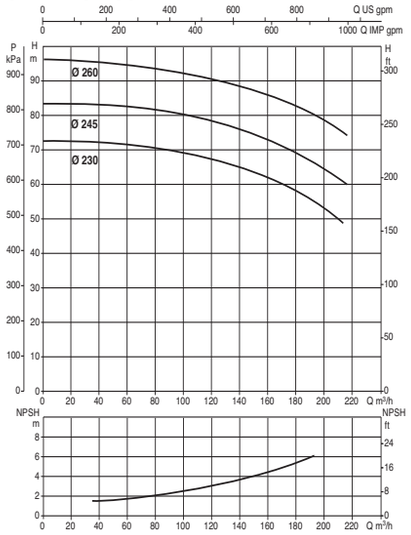
2 NKP 50 - 200/250



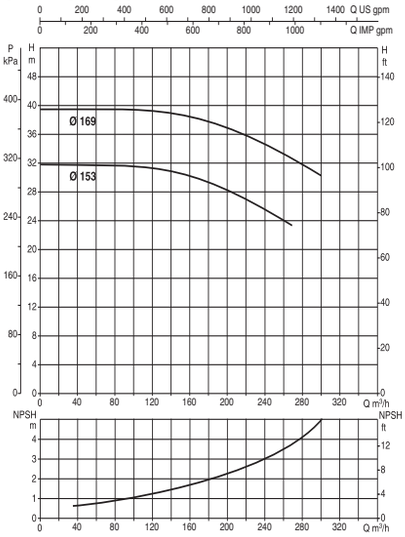
3 NKP 40 - 160/200



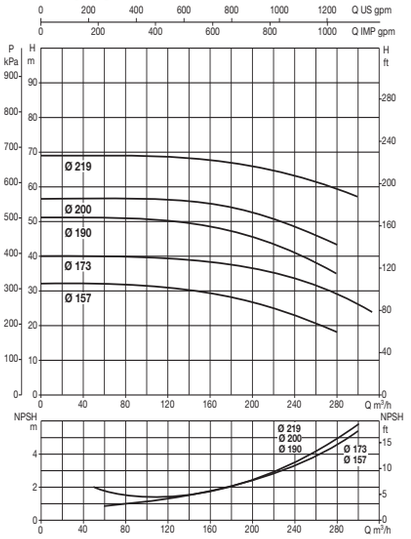
3 NKP 40-250



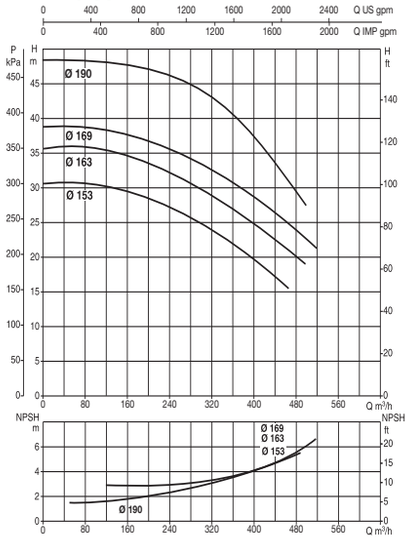
3 NKP 50-160



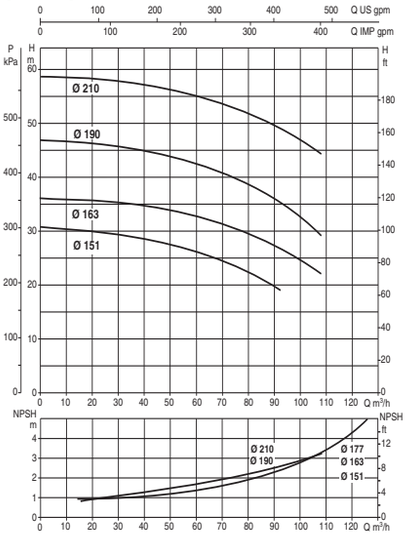
2 NKP-G 65



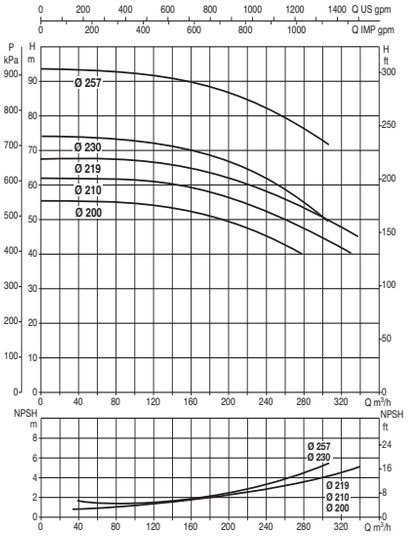
2 NKP-G 80



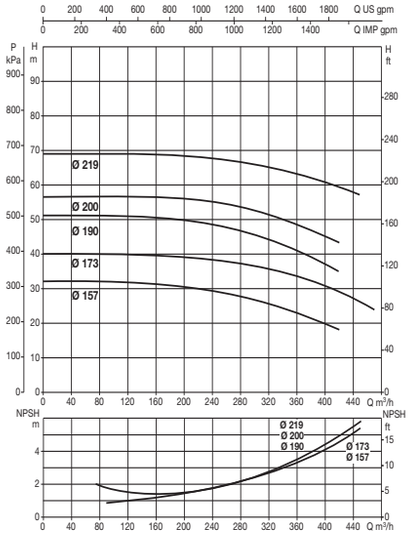
3 NKP 32



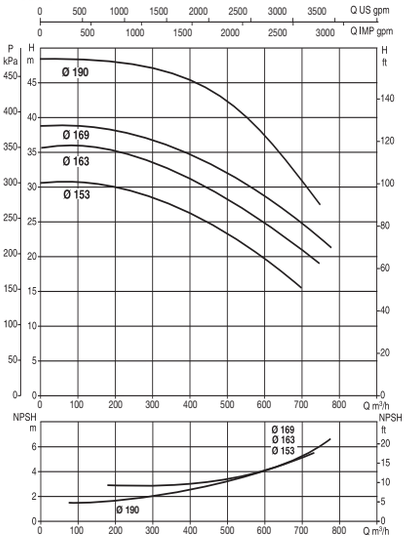
3 NKP 50 - 200/250



3 NKP-G 65



3 NKP-G 80



2- 3 KE

SETS WITH SINGLE IMPELLER CENTRIFUGAL PUMPS



CE

Designed for lifting and transfer systems in special industrial and agricultural processes.
The use of large-capacity single impeller "K" electric pumps offers a high level of reliability and strength as well as a simple layout.
Constructional characteristics

HYDRAULIC PART

- 2 or 3 single impeller centrifugal electric pumps on a horizontal axis;
- Galvanised steel plate complete with 4 anti-vibration rubber feet;
- Flanged gate valve, flanged check valve offering protection against water hammering, flanged elastic joint on the suction side;
- Galvanised flanged delivery manifold complete with galvanised blank flange and flanged gate valve;
- Anti-vibration flexible coupling for connection to delivery pipes;
- Radial pressure gauge with shut-off valve;
- Adjustable galvanised steel column support for electrical panel;
- Membrane tanks.

ELECTRICAL PART

The units are supplied packed in a strong cardboard box with a wooden pallet and instructions sheet complete with wiring diagram.

TECHNICAL DATA - 2 KE

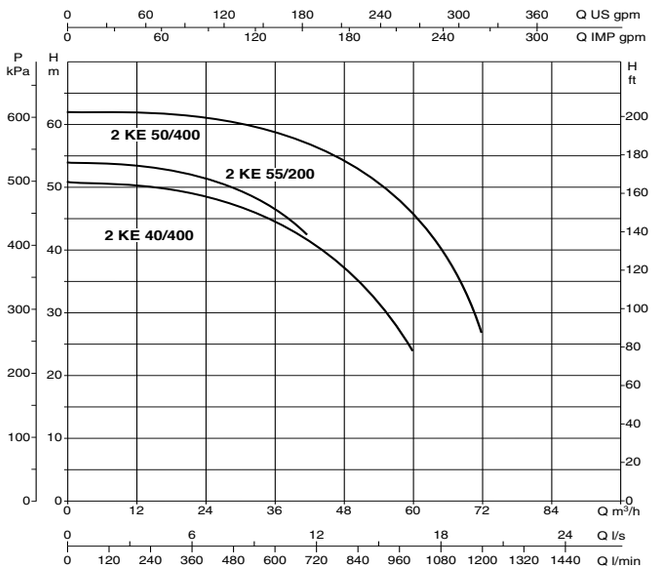
MODEL	CODE	ELECTRICAL DATA				ADJUSTABLE PRESSURE MAX - MIN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A	
			kW X2	HP X 2		
2 KE 70/300 T	500440500	3x400 V ~	2x5,5	2x7,5	2x12,3	7,3 - 4,5
2 KE 70/400 T	500440510	3x400 V ~	2x9,2	2x12,5	2x17,8	8 - 4
2 KE 80/300 T	500440520	3x400 V ~	2x7,5	2x10	2x17,3	9 - 6,5
2 KE 80/400 T	500440530	3x400 V ~	2x11	2x15	2x20,6	9 - 5,5
2 KE 55/200 T	500440540	3x400 V ~	2x4	2x5,5	2x9,4	5 - 4
2 KE 40/400 T	500440550	3x400 V ~	2x5,5	2x7,5	2x11,5	4,8 - 2,5
2 KE 50/400 T	500440560	3x400 V ~	2x7,5	2x10	2x15	5,8 - 3,3
2 KE 30/800 T	500440570	3x400 V ~	2x7,5	2x10	2x14	4 - 2
2 KE 40/800 T	500440580	3x400 V ~	2x9,2	2x12,5	2x18	4,8 - 2,5
2 KE 50/800 T	500440590	3x400 V ~	2x11	2x15	2x20,5	5,4 - 2,4

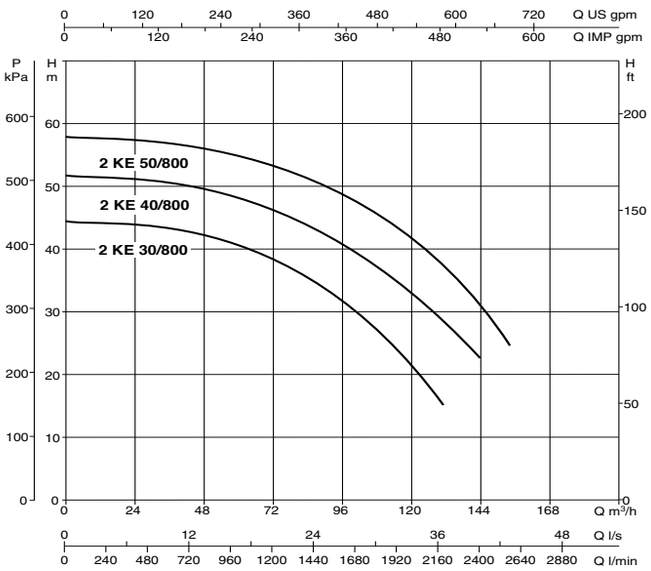
TECHNICAL DATA - 3 KE

MODEL	CODE	ELECTRICAL DATA				ADJUSTABLE PRESSURE MAX - MIN BAR
		VOLTAGE 50 Hz	P2 NOMINAL		In A	
			kW X3	HP X3		
3 KE 70/300 T	500442500	3x400 V ~	3x5,5	3x7,5	3x12,3	7,3 - 4,5
3 KE 70/400 T	500442510	3x400 V ~	3x9,2	3x12,5	3x17,8	8 - 4
3 KE 80/300 T	500442520	3x400 V ~	3x7,5	3x10	3x17,3	9 - 6,5
3 KE 80/400 T	500442530	3x400 V ~	3x11	3x15	3x20,6	9 - 5,5
3 KE 55/200 T	500442540	3x400 V ~	3x4	3x5,5	3x16 - 9	5 - 4
3 KE 40/400 T	500442550	3x400 V ~	3x5,5	3x7,5	3x12	4,8 - 2,5
3 KE 50/400 T	500442560	3x400 V ~	3x7,5	3x10	3x15	5,8 - 3,3
3 KE 30/800 T	500442570	3x400 V ~	3x7,5	3x10	3x12	4 - 2
3 KE 40/800 T	500442580	3x400 V ~	3x9,2	3x12,5	3x15	4,8 - 2,5
3 KE 50/800 T	500442590	3x400 V ~	3x11	3x15	3x18	5,4 - 2,4

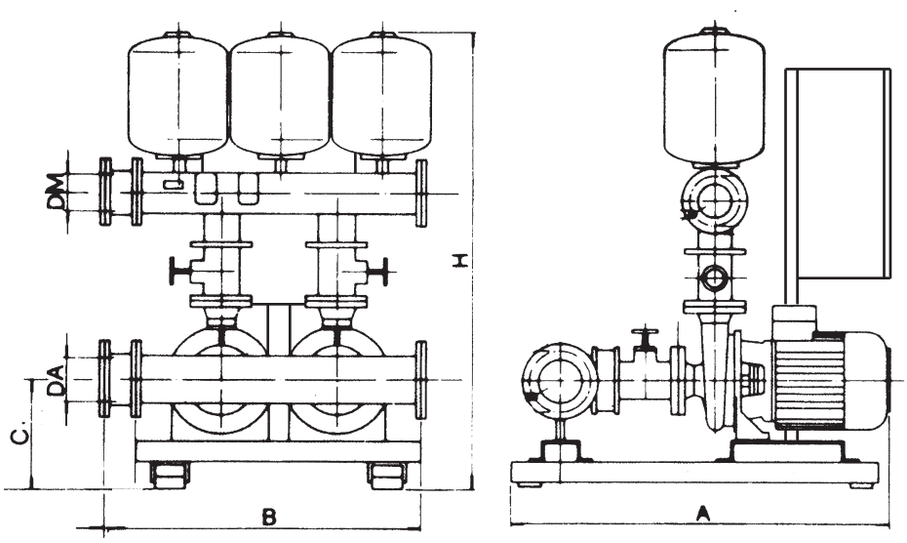
Units with unitary power over 7,5 kW: star-delta starting for second pump.

TECHNICAL DATA - 2 KE



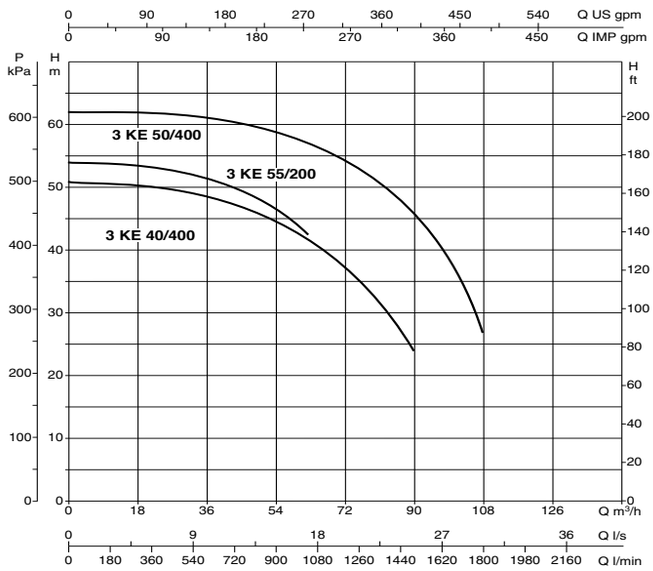


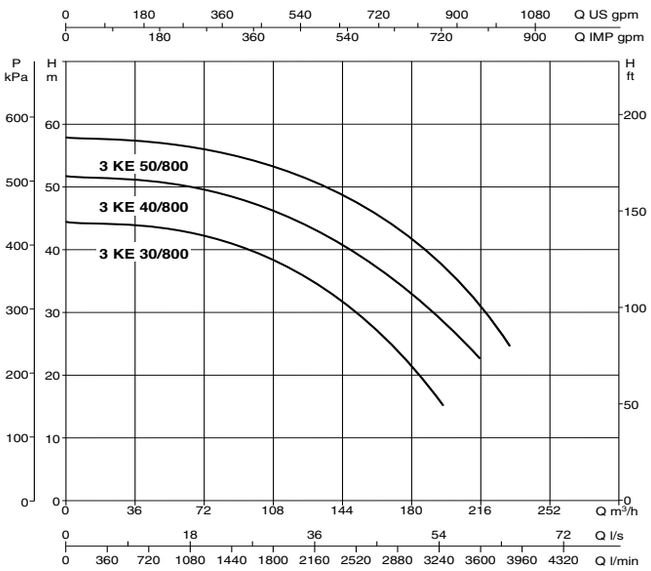
DIMENSIONS AND WEIGHTS - 2 KE



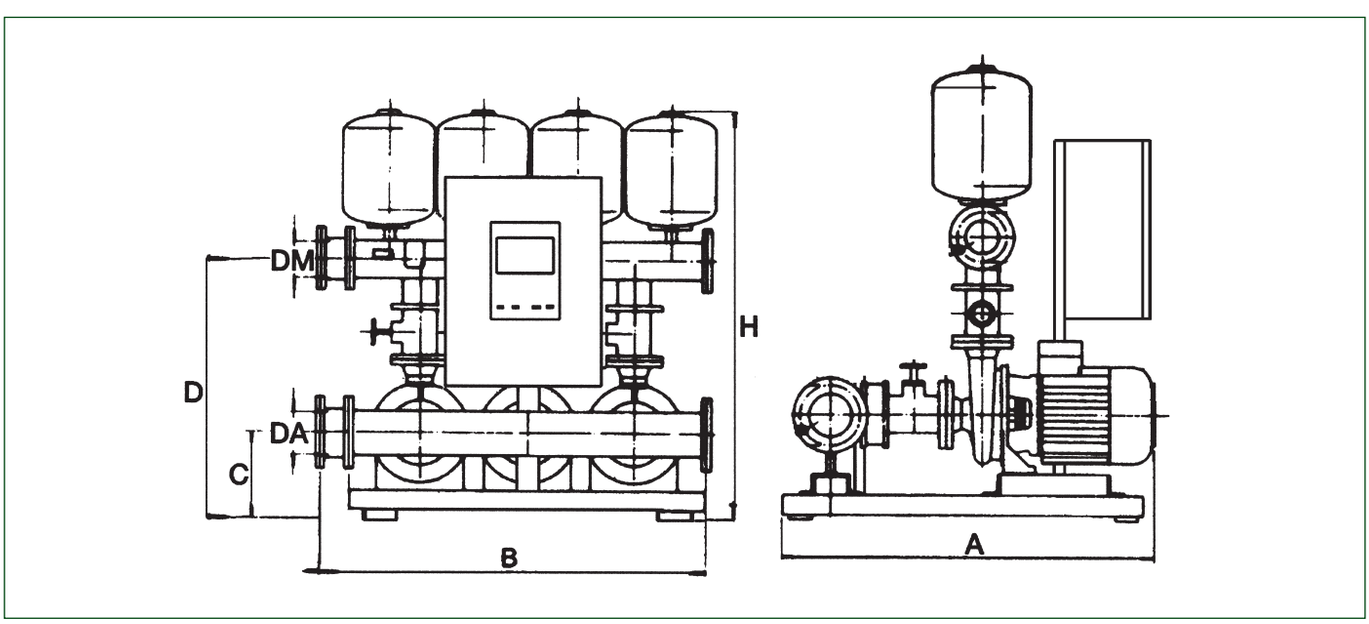
MODEL	A	B	C	D	E	H	Ø COLECTOR		WEIGHT Kg
							DA (asp.)	DM (imp.)	
2 KE 70/300	1050	720	200	600	480	1200	DN 100 - PN 16	DN 100 - PN 16	204
2 KE 70/400	1050	720	200	600	480	1200	DN 100 - PN 16	DN 100 - PN 16	220
2 KE 80/300	1050	720	200	600	480	1200	DN 100 - PN 16	DN 100 - PN 16	209
2 KE 80/400	1050	720	200	600	480	1200	DN 100 - PN 16	DN 100 - PN 16	225
2 KE 55/200	1050	720	200	585	435	1200	DN 80 - PN 10	DN 80 - PN 10	204
2 KE 40/400	1050	720	200	585	435	1200	DN 80 - PN 10	DN 80 - PN 10	485
2 KE 50/400	1050	720	200	585	435	1200	DN 80 - PN 10	DN 80 - PN 10	485
2 KE 30/800	1300	1000	300	805	650	1450	DN 150 - PN 10	DN 125 - PN 10	543
2 KE 40/800	1300	1000	300	805	650	1450	DN 150 - PN 10	DN 125 - PN 10	551
2 KE 50/800	1300	1000	300	805	650	1450	DN 150 - PN 10	DN 125 - PN 10	572

TECHNICAL DATA - 3 KE





DIMENSIONS AND WEIGHTS - 3 KE



MODEL	A	B	C	D	E	H	Ø COLECTOR		WEIGHT Kg
							DA (asp.)	DM (imp.)	
3 KE 70/300	1220	1100	200	595	435	1185	DN 100 - PN 16	DN 100 - PN 16	328
3 KE 70/400	1220	1100	200	595	435	1185	DN 100 - PN 16	DN 100 - PN 16	353
3 KE 80/300	1220	1100	200	595	435	1185	DN 100 - PN 16	DN 100 - PN 16	404
3 KE 80/400	1220	1100	200	595	435	1185	DN 100 - PN 16	DN 100 - PN 16	428
3 KE 55/200	1220	1100	200	595	435	1185	DN 80 - PN 10	DN 80 - PN 10	328
3 KE 40/400	1220	1100	200	595	435	1185	DN 80 - PN 10	DN 80 - PN 10	695
3 KE 50/400	1220	1100	200	595	435	1185	DN 80 - PN 10	DN 80 - PN 10	717
3 KE 30/800	1300	1200	300	805	650	1415	DN 150 - PN 10	DN 150 - PN 10	780
3 KE 40/800	1300	1200	300	805	650	1415	DN 150 - PN 10	DN 150 - PN 10	798
3 KE 50/800	1300	1200	300	805	650	1415	DN 150 - PN 10	DN 150 - PN 10	818

1 KDN

FIRE -FIGHTING BOOSTER SETS UNI EN12845 WITH ELECTRIC PUMP AND DIESEL PUMP





CE

Pressurization units for sprinkler system designed according to European standard EN 12845 The European Standard EN 12845 stated that units must be set up with:
- 1 electrical pump
- 1 diesel pump
- 2 electrical pumps
- 1 electrical pump + 1 diesel pump
- 2 diesel pumps
- 1 electrical pump + 2 diesel pumps
- 3 diesel pumps.

DAB pump sets are manufactured according to a modular design that allows to arrange all groups' version expected by Standard EN 12845.

DAB supply modular booster sets in four version:
- 1 KDN .... EN, composed by 1 electropump
- 1 KDN .... EN-JET, composed by 1 electropump + 1 jockey pump.
- 1 KDN MD EN; composed by 1 Diesel pump
- 1 KDN MD EN-JET, composed by 1 diesel pump + 1 jockey pump

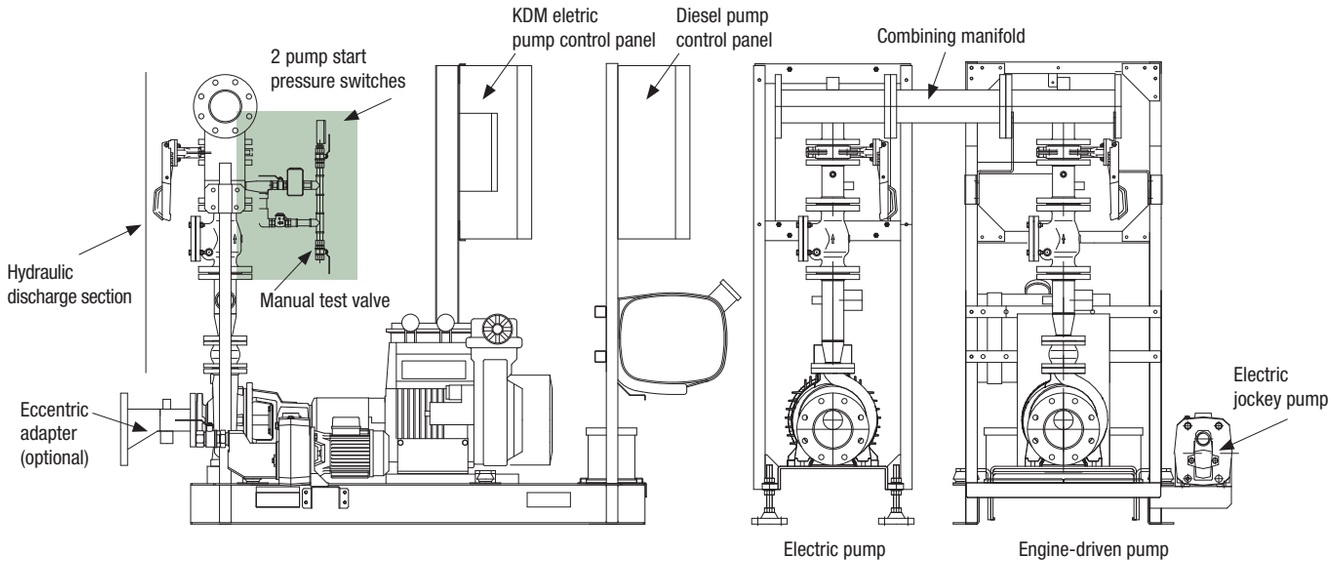
To arrange all versions (booster with 2- 3 pumps) we supply the Joint manifold kits as accessory, the kit must be assembled between the delivery manifolds of the two single units.

Main components:
- Eccentric connection unit fixed on indipendent suction port of the pump.
- Standardised centrifugal pumps KDN series (with spacer coupling) with performance and costruction according to EN 12845 standard
- Electrical or diesel motor able to supply the maximum power absorbed by the pump
- Detection of diesel engine rotation (speed sensor)
- one control panel for each pump, completed with voltmeters and ammeters, 2 starting batteries, 2 battery charge control units, rev counter, hour counter, Man-0-Aut selector, general switch, warning lights.
- control panel for jockey pump (if present).
- fuel diesel tank with capacity to guarantee 6 hours of operation (only for diesel version).
- check valves
- Jockey pump (if required) JET or KVCX series, for little pressure drop, complete with 1 expansion tank.
- flow meter (optional) to be installed on delivery manifold.
- galvanised steel base
- galvanised steel delivery manifold complete with starting pressure switches, by-pass circuits and pressure gauge

According to EN 12845, the user shall carry out a program of inspection and check, arrange test, service and maintenance schedule and keep records on a book which shall be kept in the premises.
The installer shall provide the user with a documented inspection and checking procedure, with particular mention to emergency manual starting of pumps.

DAB supplies, together with fire fighting boosters, a list of all inspections and checks required by EN 12845. The Declaration of Conformity to Standard EN 12845 is provided with each group.

EN ELECTRIC PUMP EN ENGINE-DRIVEN PUMP



DAB PUMPS reserves the right to make modifications without notice

DAB WATER•TECHNOLOGY

TECHNICAL DATA - 1 KDN PUMPS

1 KDN

MODEL	CODE
1KDN 32-160/177 5,5 T400/50 EN 12845	500813010
1KDN 32-200.1/207 7,5 T400/50 EN 12845	500813020
1KDN 32-200/180 5,5 T400/50 EN 12845	500813030
1KDN 32-200/200 7,5 T400/50 EN 12845	500813040
1KDN 32-200/219 11 T400/50 EN 12845	500813050
1KDN 32-250/250 11 T400/50 EN 12845	60122035
1KDN 32-250/259 15 T400/50 EN 12845	60122037
1KDN 40-160/161 7,5 T400/50 EN 12845	500813110
1KDN 40-160/177 11 T400/50 EN 12845	500813120
1KDN 40-200/200 11 T400/50 EN 12845	500813130
1KDN 40-200/219 15 T400/50 EN 12845	500813140
1KDN 40-250/230 15 T400/50 EN 12845	500813150
1KDN 40-250/240 18,5 T400/50 EN 12845	500813160
1KDN 40-250/260 22 T400/50 EN 12845	500813170
1KDN 50-160/161 11 T400/50 EN 12845	500813210
1KDN 50-160/177 15 T400/50 EN 12845	500813220
1KDN 50-200/190 15 T400/50 EN 12845	500813230
1KDN 50-200/210 18,5 T400/50 EN 12845	500813240
1KDN 50-200/219 22 T400/50 EN 12845	500813250
1KDN 50-250/230 22 T400/50 EN 12845	500813260
1KDN 50-250/250 30 T400/50 EN 12845	500813270
1KDN 50-250/263 37 T400/50 EN 12845	60122614
1KDN 65-160/153 11 T400/50 EN 12845	500813310
1KDN 65-160/177 15 T400/50 EN 12845	500813320
1KDN 65-200/190 18,5 T400/50 EN 12845	500813330
1KDN 65-200/200 22 T400/50 EN 12845	500813340
1KDN 65-200/219 30 T400/50 EN 12845	500813350
1KDN 65-250/230 30 T400/50 EN 12845	500813360
1KDN 65-250/250 37 T400/50 EN 12845	500813370
1KDN 65-250/263 45 T400/50 EN 12845	500813380
1KDN 80-160/177 30 T400/50 EN 12845	500813410
1KDN 80-200/200 37 T400/50 EN 12845	500813420
1KDN 80-200/222 45 T400/50 EN 12845	500813430
1KDN 80-250/240 55 T400/50 EN 12845	500813440
1KDN 80-250/260 75 T400/50 EN 12845	500813450
1KDN 80-250/270 90 T400/50 EN 12845	500813460
1KDN 100-200/200 45 T400/50 EN 12845	500814010
1KDN 100-200/210 55 T400/50 EN 12845	500814020
1KDN 100-200/219 75 T400/50 EN 12845	500814030
1KDN 100-250/240 75 T400/50 EN 12845	500814040
1KDN 100-250/250 90 T400/50 EN 12845	500814050
1KDN 100-250/260 110 T400/50 EN 12845	500814060

1 KDN + PILOT PUMP

MODEL	CODE
1KDN 32-160/177 5,5 T400/50 EN 12845-JET	500813510
1KDN 32-200.1/207 7,5T400/50 EN12845-JET	500813520
1KDN 32-200/180 5,5 T400/50 EN12845-JET	500813530
1KDN 32-200/200 7,5 T400/50 EN12845-JET	500813540
1KDN 32-200/219 11 T400/50 EN12845-JET	500813550
1KDN 32-250/250 11 T400/50 EN 12845 - KVCX	60122036
1KDN 32-250/259 15 T400/50 EN 12845 - KVCX	60122038
1KDN 40-160/161 7,5 T400/50 EN12845-JET	500813610
1KDN 40-160/177 11 T400/50 EN12845-JET	500813620
1KDN 40-200/200 11 T400/50 EN12845-JET	500813630
1KDN 40-200/219 15 T400/50 EN12845-JET	500813640
1KDN 40-250/230 15 T400/50 EN12845-JET	500813650
1KDN 40-250/240 18,5 T400/50 EN12845-JET	500813660
1KDN 40-250/260 22 T400/50 EN12845-JET	500813670
1KDN 50-160/161 11 T400/50 EN12845-JET	500813710
1KDN 50-160/177 15 T400/50 EN12845-JET	500813720
1KDN 50-200/190 15 T400/50 EN12845-JET	500813730
1KDN 50-200/210 18,5 T400/50 EN12845-JET	500813740
1KDN 50-200/219 22 T400/50 EN12845-JET	500813750
1KDN 50-250/230 22 T400/50 EN12845-JET	500813760
1KDN 50-250/250 30 T400/50 EN12845-JET	500813770
1KDN 50-250/263 MD EN 12845-KV 3/12	60122615
1KDN 65-160/153 11 T400/50 EN12845-JET	500813810
1KDN 65-160/177 15 T400/50 EN 12845-JET	500813820
1KDN 65-200/190 18,5 T400/50 EN12845-JET	500813830
1KDN 65-200/200 22 T400/50 EN12845-JET	500813840
1KDN 65-200/219 30 T400/50 EN12845-JET	500813850
1KDN 65-250/230 30 T400/50 EN12845-JET	500813860
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1KDN 65-250/263 45 T400/50 EN KVCX 65-80	500813880
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1KDN 80-200/200 37 T400/50 EN KVCX 65-80	500813920
1KDN 80-200/222 45 T400/50 EN KVCX 65-80	500813930
1KDN 80-250/240 55 T400/50 EN KVCX 65-80	500813940
1KDN 80-250/260 75 T400/50 EN KVCX 65-80	500813950
1KDN 80-250/270 90 T400/50 EN KVCX 65-80	500813960
1KDN100-200/200 45 T400/50 EN KVCX65-80	500814510
1KDN100-200/210 55 T400/50 EN KVCX65-80	500814520
1KDN100-200/219 75 T400/50 EN KVCX65-80	500814530
1KDN100-250/240 75 T400/50 EN KVCX65-80	500814540
1KDN100-250/250 90 T400/50 EN KVCX65-80	500814550
1KDN100-250/260 110 400/50 EN KVCX65-80	500814560

TECHNICAL DATA - 1 DIESEL PUMP KDN

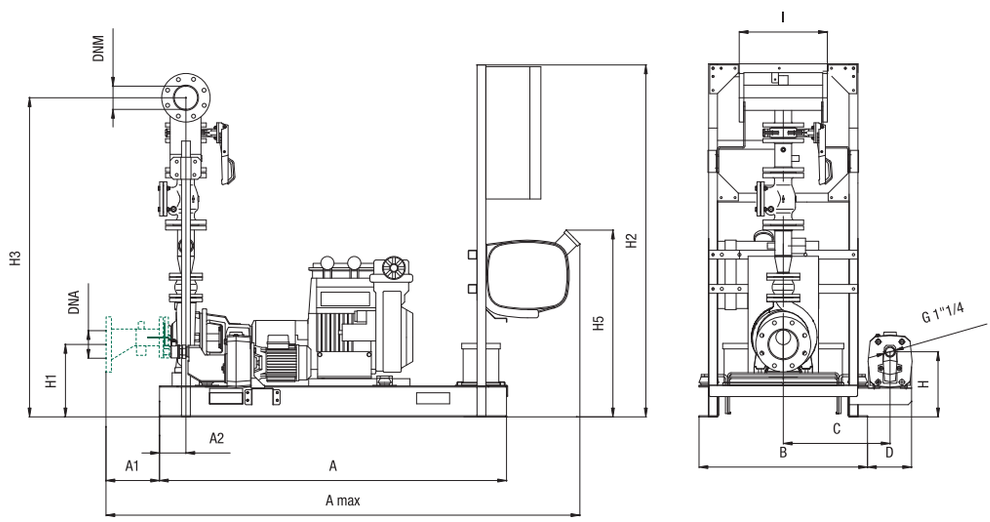
1 DIESEL PUMP

MODEL	CODE
1KDN 32-160/177 MD EN 12845	503883060
1KDN 32-200.1/207 MD EN 12845	503883070
1KDN 32-200/180 MD EN 12845	503883080
1KDN 32-200/200 MD EN 12845	503883090
1KDN 32-200/219 MD EN 12845	503883100
1KDN 32-250/250 MD EN 12845	60122039
1KDN 32-250/259 MD EN 12845	60122041
1KDN 40-160/161 MD EN 12845	503883160
1KDN 40-160/177 MD EN 12845	503883170
1KDN 40-200/200 MD EN 12845	503883180
1KDN 40-200/219 MD EN 12845	503883190
1KDN 40-250/230 MD EN 12845	503883200
1KDN 40-250/240 MD EN 12845	503883210
1KDN 40-250/260 MD EN 12845	503883220
1KDN 50-160/161 MD EN 12845	503883260
1KDN 50-160/177 MD EN 12845	503883270
1KDN 50-200/190 MD EN 12845	503883280
1KDN 50-200/210 MD EN 12845	503883290
1KDN 50-200/219 MD EN 12845	503883300
1KDN 50-250/230 MD EN 12845	503883310
1KDN 50-250/250 MD EN 12845	503883320
1KDN 50-250/263 MD EN 12845	60122616
1KDN 65-160/153 MD EN 12845	503883360
1KDN 65-160/177 MD EN 12845	503883370
1KDN 65-200/190 MD EN 12845	503883380
1KDN 65-200/200 MD EN 12845	503883390
1KDN 65-200/219 MD EN 12845	503883400
1KDN 65-250/230 MD EN 12845	503883410
1KDN 65-250/250 MD EN 12845	503883420
1KDN 65-250/263 MD EN 12845	503883430
1KDN 80-160/177 MD EN 12845	503883440
1KDN 80-200/200 MD EN 12845	503883450
1KDN 80-200/222 MD EN 12845	503883460
1KDN 80-250/240 MD EN 12845	503883470
1KDN 80-250/260 MD EN 12845	503883480
1KDN 80-250/270 MD EN 12845	503883490
1KDN 100-200/200 MD EN 12845	503884010
1KDN 100-200/210 MD EN 12845	503884020
1KDN 100-200/219 MD EN 12845	503884030
1KDN 100-250/240 MD EN 12845	503884040
1KDN 100-250/250 MD EN 12845	503884050
1KDN 100-250/260 MD EN 12845	503884060

1 DIESEL PUMP + PILOT PUMP

MODEL	CODE
1KDN 32-160/177 MD EN 12845-JET	503883560
1KDN 32-200.1/207 MD EN 12845-JET	503883570
1KDN 32-200/180 MD EN 12845-JET	503883580
1KDN 32-200/200 MD EN 12845-JET	503883590
1KDN 32-200/219 MD EN 12845-JET	503883600
1KDN 32-250/250 MD EN 12845-KVCX	60122040
1KDN 32-250/259 MD EN 12845-KVCX	60122042
1KDN 40-160/161 MD EN 12845-JET	503883660
1KDN 40-160/177 MD EN 12845-JET	503883670
1KDN 40-200/200 MD EN 12845-JET	503883680
1KDN 40-200/219 MD EN 12845-JET	503883690
1KDN 40-250/230 MD EN 12845-JET	503883700
1KDN 40-250/240 MD EN 12845-JET	503883710
1KDN 40-250/260 MD EN 12845-JET	503883720
1KDN 50-160/161 MD EN 12845-JET	503883760
1KDN 50-160/177 MD EN 12845-JET	503883770
1KDN 50-200/190 MD EN 12845-JET	503883780
1KDN 50-200/210 MD EN 12845-JET	503883790
1KDN 50-200/219 MD EN 12845-JET	503883800
1KDN 50-250/230 MD EN 12845-JET	503883810
1KDN 50-250/250 MD EN 12845-JET	503883820
1KDN 50-250/263 MD EN 12845-KV 3/12	60122620
1KDN 65-160/153 MD EN 12845-JET	503883860
1KDN 65-160/177 MD EN 12845-JET	503883870
1KDN 65-200/190 MD EN 12845-JET	503883880
1KDN 65-200/200 MD EN 12845-JET	503883890
1KDN 65-200/219 MD EN 12845-JET	503883900
1KDN 65-250/230 MD EN 12845-JET	503883910
1KDN 65-250/250 MD EN 12845-KVCX 65-80	503883920
1KDN 65-250/263 MD EN 12845-KVCX 65-80	503883930
1KDN 80-160/177 MD EN 12845-KVCX65-80	503883940
1KDN 80-200/200 MD EN 12845-KVCX65-80	503883950
1KDN 80-200/222 MD EN 12845-KVCX65-80	503883960
1KDN 80-250/240 MD EN 12845-KVCX65-80	503883970
1KDN 80-250/260 MD EN 12845-KVCX65-80	503883980
1KDN 80-250/270 MD EN 12845-KVCX65-80	503883990
1KDN 100-200/200 MD EN 12845-KVCX65-80	503884510
1KDN 100-200/210 MD EN 12845-KVCX65-80	503884520
1KDN 100-200/219 MD EN 12845-KVCX65-80	503884530
1KDN 100-250/240 MD EN 12845-KVCX65-80	503884540
1KDN 100-250/250 MD EN 12845-KVCX65-80	503884550
1KDN 100-250/260 MD EN 12845-KVCX65-80	503884560

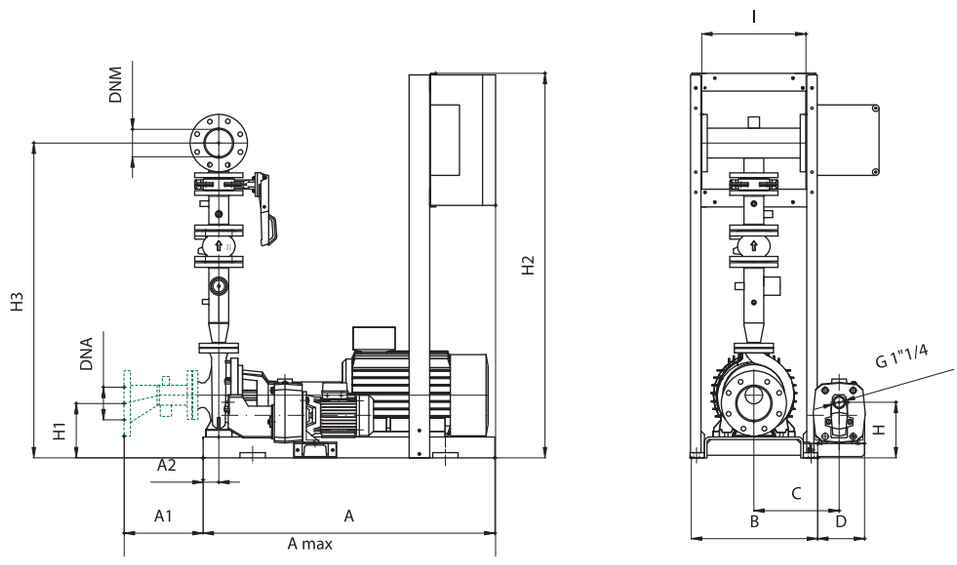
DIMENSIONS AND WEIGHTS - DIESEL PUMP MODULE



* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

DESCRIPTION		A	Amax	A1	A2	B	C	D	H	H1	H2	H3	H5	I	DNA	DNM	without jockey pump Kg	with jockey pump Kg
1KDN 32-160/177	**MD EN 12845**	1576	2110	200	120	795	485	200	295	315	1600	1202	846	400	80	2"	520	550
1KDN 32-200/207/180/200/219	**MD EN 12845**	1576	2110	200	120	795	485	200	295	323	1600	1232	846	400	80	2"	520	550
1KDN 40-160/161/177	**MD EN 12845**	1576	2135	225	120	795	485	200	295	315	1600	1262	846	400	100	2"1/2	570	600
1KDN 40-200/200/219	**MD EN 12845**	1576	2155	245	120	795	485	200	295	343	1600	1307	846	400	100	2"1/2	590	620
1KDN 40-250/230-240	**MD EN 12845**	1576	2155	245	120	795	485	200	295	343	1600	1352	846	400	100	2"1/2	600	630
1KDN 40-250/260	**MD EN 12845**	1576	2155	245	120	795	485	200	295	363	1600	1372	846	400	100	2"1/2	650	680
1KDN 50-160/161	**MD EN 12845**	1576	2170	260	120	795	485	200	295	312	1600	1330	846	400	125	80	610	640
1KDN 50-160/177	**MD EN 12845**	1576	2170	260	120	795	485	200	295	332	1600	1350	846	400	125	80	620	650
1KDN 50-200/190	**MD EN 12845**	1576	2170	260	120	795	485	200	295	332	1600	1370	846	400	125	80	630	660
1KDN 50-200/210	**MD EN 12845**	1576	2170	260	120	795	485	200	295	332	1600	1370	846	400	125	80	630	660
1KDN 50-200/219	**MD EN 12845**	1576	2170	260	120	795	485	200	295	332	1600	1370	846	400	125	80	630	660
1KDN 50-250/230-250	**MD EN 12845**	1576	2170	260	120	795	485	200	295	352	1600	1415	846	400	125	80	690	720
1KDN 65-160/153	**MD EN 12845**	1576	2185	275	120	795	485	200	295	303	1600	1420	846	400	150	100	650	680
1KDN 65-160/177	**MD EN 12845**	1576	2185	275	120	795	485	200	295	323	1600	1440	846	400	150	100	660	690
1KDN 65-200/190	**MD EN 12845**	1576	2185	275	120	795	485	200	295	323	1600	1465	846	400	150	100	690	720
1KDN 65-200/200-219	**MD EN 12845**	1576	2185	275	120	795	485	200	295	343	1600	1485	846	400	150	100	700	720

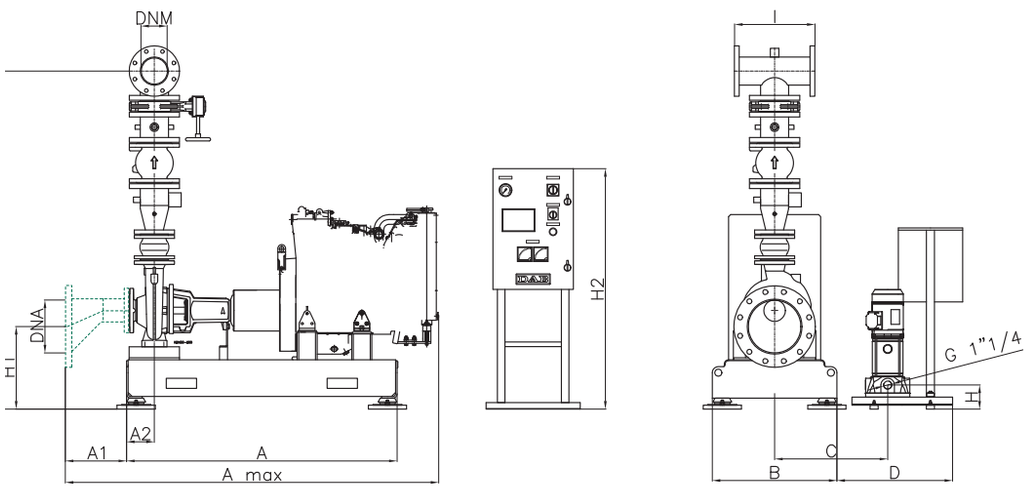
DIMENSIONS AND WEIGHTS - ELECTRIC PUMP MODULE



* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

DESCRIPTION		A	Amax	A1	A2	B	C	D	H	H1	H2	H3	I	DNA	DNM	without jockey pump Kg	with jockey pump Kg
1KDN 32-160/177	**EN 12845**	1000	1280	257	60	450	307	180	220	195	1475	1082	400	80	2"	270	300
1KDN 32-200/207/180/200	**EN 12845**	1000	1280	257	60	450	307	180	220	223	1475	1132	400	80	2"	320	350
1KDN 32-200/219	**EN 12845**	1120	1380	257	60	490	327	180	220	223	1475	1132	400	80	2"	350	380
1KDN 40-160/161	**EN 12845**	1000	1306	283	60	450	307	180	220	195	1475	1142	400	100	2"1/2	310	340
1KDN 40-160/177	**EN 12845**	1120	1406	283	60	490	327	180	220	223	1475	1167	400	100	2"1/2	320	350
1KDN 40-200/200/219	**EN 12845**	1120	1426	303	60	490	327	180	220	223	1475	1187	400	100	2"1/2	430	450
1KDN 40-250/230/240/260	**EN 12845**	1250	1538	288	60	540	352	180	220	243	1475	1252	400	100	2"1/2	450	480
1KDN 50-160/161/177	**EN 12845**	1120	1440	316	60	490	327	180	220	212	1475	1230	400	125	80	350	380
1KDN 50-200/190/210	**EN 12845**	1120	1440	316	60	490	327	180	220	212	1475	1250	400	125	80	420	450
1KDN 50-200/210	**EN 12845**	1120	1440	316	60	490	327	180	220	232	1475	1270	400	125	80	480	510
1KDN 50-250/230	**EN 12845**	1250	1550	300	75	540	352	180	220	232	1475	1295	400	125	80	500	530
1KDN 50-250/250	**EN 12845**	1400	1700	300	75	590	377	180	220	272	1475	1335	400	125	80	550	580
1KDN 65-160/153/177	**EN 12845**	1120	1145	330	60	490	327	180	220	203	1475	1325	400	150	100	440	470
1KDN 65-200/190/200	**EN 12845**	1250	1565	315	75	540	352	180	220	223	1475	1365	400	150	100	520	550
1KDN 65-200/219	**EN 12845**	1400	1715	315	75	590	377	180	200	263	1475	1405	400	150	100	620	650

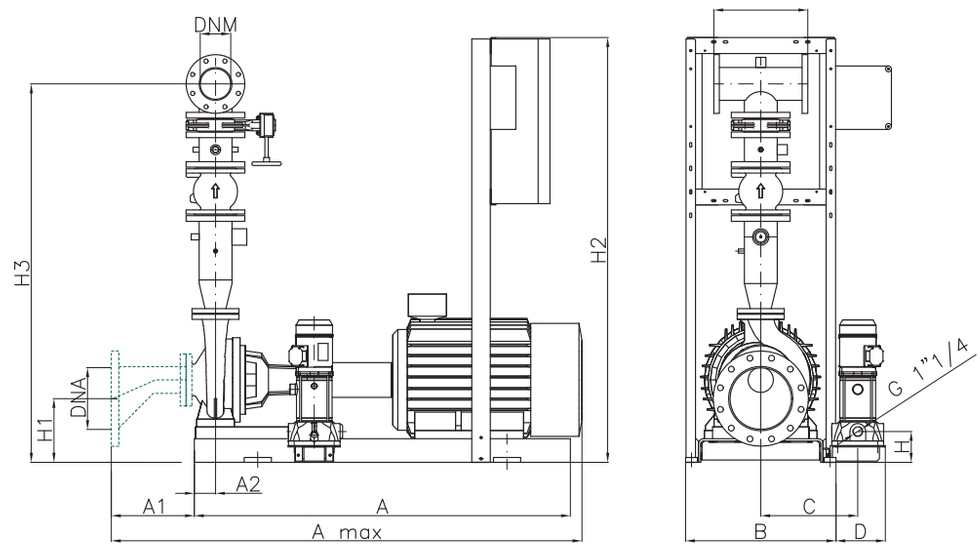
DIMENSIONS AND WEIGHTS - DIESEL PUMP MODULE



* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

DESCRIPTION		A	Amax	A1	A2	B	C	D	H	H1	H2	H3	I	DNA	DNM	without jockey pump Kg	with jockey pump Kg
1KDN 80-200/200	**MD EN 12845**	1346	1834	278	139	620	562	575	120	438	1200	1680	400	200	125	930	960
1KDN 80-200/222	**MD EN 12845**	1346	1834	278	139	620	562	575	120	438	1200	1680	400	200	125	940	970
1KDN 80-250/240	**MD EN 12845**	1459	1939	278	139	722	613	575	120	453	1200	1725	400	200	125	1000	1030
1KDN 80-250/260-270	**MD EN 12845**	1662	2202	278	139	722	613	575	120	453	1200	1725	400	200	125	1200	1230
1KDN 100-200/200	**MD EN 12845**	1346	1887	335	139	620	562	575	120	423	1200	1803	600	250	150	1100	1130
1KDN 100-200/210	**MD EN 12845**	1459	1995	335	139	722	613	575	120	438	1200	1818	600	250	150	1160	1190
1KDN 100-200/219	**MD EN 12845**	1682	2258	335	139	722	613	575	120	438	1200	1818	600	250	150	1265	1295
1KDN 100-250/240-250	**MD EN 12845**	1682	2273	349	139	722	613	575	120	438	1200	1818	600	250	150	1280	1310
1KDN 100-250/260	**MD EN 12845**	1750	2218	368	120	800	652	575	120	450	1200	1861	600	250	150	1300	1330

DIMENSIONS AND WEIGHTS - ELECTRIC PUMP MODULE



* COMPONENTS SHOWN WITH A BROKEN LINE ARE NOT INCLUDED IN THE STANDARD SUPPLY

DESCRIPTION		A	Amax	A1	A2	B	C	D	H	H1	H2	H3	I	DNA	DNM	without jockey pump Kg	with jockey pump Kg
1KDN 65-250/230-250	**30-37 EN 12845**	1400	1773	289	90	590	388	215	131	260	1800	1434	400	150	100	680	710
1KDN 65-250/263	**45KW EN 12845**	1400	1828	289	90	590	388	215	131	285	1800	1460	400	150	100	760	790
1KDN 80-160/177	**30 KW EN 12845**	1400	1743	342	75	590	388	215	131	248	1800	1504	400	200	125	720	750
1KDN 80-200/200	**37KW EN 12845**	1400	1811	342	75	590	388	215	131	248	1800	1528	400	200	125	750	780
1KDN 80-200/222	**45KW EN 12845**	1400	1866	342	75	590	388	215	131	273	1800	1553	400	200	125	820	850
1KDN 80-250/240	**55KW EN 12845**	1600	1976	327	90	640	413	210	131	298	1800	1608	400	200	125	920	950
1KDN 80-250/260-270	**75-90 EN 12845**	1800	2127	327	95	710	448	210	131	328	1800	1639	400	200	125	1170	1200
1KDN 100-200/200	**45KW EN 12845**	1400	1922	398	90	590	388	215	131	258	1800	1645	600	250	150	1120	1150
1KDN 100-200/210	**55KW EN 12845**	1600	2032	383	90	640	413	210	131	283	1800	1670	600	250	150	1200	1230
1KDN 100-200/219	**75KW EN 12845**	1800	2183	383	90	710	448	210	131	313	1800	1700	600	250	150	1280	1310
1KDN 100-250/240-250	**75-90 EN 12845**	1800	2198	398	90	710	448	210	131	313	1800	1700	600	250	150	1320	1350
1KDN 100-250/260	**110KW EN 12845**	2000	2447	398	90	860	523	210	131	368	1800	1755	600	250	150	1430	1460

1/2 NKV

FIRE-FIGHTING PUMP UNITS TO EN 12845 WITH VERTICAL NKV PUMPS

CE



TECHNICAL DATA

Fire-fighting pump units manufactured in compliance with the prescriptions of European standard UNI EN 12845.Fixed fire-fighting installations – Automatic sprinkler systems

NOTES ON UNI EN 12845

UNI EN 12845, the Italian version of European standard EN 12845, establishes design, installation and maintenance criteria for sprinkler systems and it replaces the earlier Italian standards UNI 9489 and UNI 9490.

An automatic sprinkler system is designed to detect the presence of fire and extinguish it in the initial stages, or to keep flames under control until they can be extinguished fully using ancillary means.

The classic sprinkler system is composed of: a water source, a fire-fighting pump unit, a series of control valves, and a sprinklers circuit.

The main pump continues to run until it is stopped manually by pressing the STOP pushbutton on the control panel.

In the case of hydrant circuits refer to the prescriptions of UNI 10779- July 07. UNI 10779,as well as stating that fire-fighting pumps must be in compliance with the requirements of UNI EN 12845, also permits, in the case of work not constantly supervised, automatic stopping of the pumps 20 minutes after closure of the hydrants.

DAB pump sets are suitable for sprinkler installations with manual stopping and for hydrant installations with automatic stopping.

OPERATION OF EN 12845 FIRE-FIGHTING PUMP SET

In normal conditions (zero water demand) the system is maintained under static pressure.

The first demand for water results in start-up of the jockey pump, which restores system pressure. If a significant flow rate of water is demanded (opening of sprinklers), the pressure will drop until the two pressure switches connected in series trip to start up the main pump.

The two start-up pressure switches must be calibrated in such a way as to start the pumps at the following pressure values:

ONE PUMP SETS	P = 0,8 X MAX. PUMP PRESSURE	
SETS WITH TWO PUMPS	PUMP 1: P1 = 0,8 X MAX PRESSURE	PUMP 2: P2 = 0,6 X MAX PRESSURE

Es: Max. pressure 10 bar - pump 1 starts at 8 bar, pump 2 starts at 6 bar

TECHNICAL DATA - 1 NKV PUMP

1 NKV PUMPS

MODEL	CODE
1NKV 10/3 T400/50 EN12845	60118437
1NKV 10/4 T400/50 EN12845	60118438
1NKV 10/5 T400/50 EN12845	60118439
1NKV 10/6 T400/50 EN12845	60118440
1NKV 10/7 T400/50 EN12845	60118441
1NKV 10/8 T400/50 EN12845	60118442
1NKV 10/9 T400/50 EN12845	60118443
1NKV 10/10 T400/50 EN12845	60118444
1NKV 10/12 T400/50 EN12845	60118445
1NKV 10/14 T400/50 EN12845	60118446
1NKV 15/3 T400/50 EN12845	60118447
1NKV 15/4 T400/50 EN12845	60118448
1NKV 15/5 T400/50 EN12845	60118451
1NKV 15/6 T400/50 EN12845	60118452
1NKV 15/7 T400/50 EN12845	60118456
1NKV 15/8 T400/50 EN12845	60118457
1NKV 15/9 T400/50 EN12845	60118458
1NKV 15/10 T400/50 EN12845	60118462
1NKV 20/3 T400/50 EN12845	60118464
1NKV 20/4 T400/50 EN12845	60118465
1NKV 20/5 T400/50 EN12845	60118466
1NKV 20/6 T400/50 EN12845	60118467
1NKV 20/7 T400/50 EN12845	60118468
1NKV 20/8 T400/50 EN12845	60118469
1NKV 20/9 T400/50 EN12845	60118470
1NKV 20/10 T400/50 EN12845	60118471

1 NKV PUMPS + PILOT PUMP

MODEL	CODE
1NKV 10/3 T400/50 EN12845 - JET	60118472
1NKV 10/4 T400/50 EN12845 - JET	60118473
1NKV 10/5 T400/50 EN12845 - JET	60118474
1NKV 10/6 T400/50 EN12845 - JET	60118475
1NKV 10/7 T400/50 EN12845 - KV 3/10	60118476
1NKV 10/8 T400/50 EN12845 - KV 3/12	60118477
1NKV 10/9 T400/50 EN12845 - KV 3/12	60118478
1NKV 10/10 T400/50 EN12845 - KV 3/18	60118479
1NKV 10/12 T400/50 EN12845 - KV 3/18	60118480
1NKV 10/14 T400/50 EN12845 - KV 3/18	60118481
1NKV 15/3 T400/50 EN12845 - JET	60118482
1NKV 15/4 T400/50 EN12845 – JET	60118483
1NKV 15/5 T400/50 EN12845 – JET	60118484
1NKV 15/6 T400/50 EN12845 - KV 3/12	60118485
1NKV 15/7 T400/50 EN12845 - KV 3/12	60118486
1NKV 15/8 T400/50 EN12845 - KV 3/18	60118487
1NKV 15/9 T400/50 EN12845 - KV 3/18	60118488
1NKV 15/10 T400/50 EN12845 - KV 3/18	60118489
1NKV 20/3 T400/50 EN12845 – JET	60118490
1NKV 20/4 T400/50 EN12845 – JET	60118491
1NKV 20/5 T400/50 EN12845 - JET	60118492
1NKV 20/6 T400/50 EN12845 - KV 3/12	60118493
1NKV 20/7 T400/50 EN12845 - KV 3/18	60118494
1NKV 20/8 T400/50 EN12845 - KV 3/18	60118495
1NKV 20/9 T400/50 EN12845 - KV 3/18	60118496
1NKV 20/10 T400/50 EN12845 - KV 3/18	60118497

TECHNICAL DATA - 2 NKV PUMPS

2 PUMPS NKV

MODEL	CODE
2NKV 10/3 T400/50 EN12845	60118498
2NKV 10/4 T400/50 EN12845	60118499
2NKV 10/5 T400/50 EN12845	60118500
2NKV 10/6 T400/50 EN12845	60118501
2NKV 10/7 T400/50 EN12845	60118502
2NKV 10/8 T400/50 EN12845	60118503
2NKV 10/9 T400/50 EN12845	60118504
2NKV 10/10 T400/50 EN12845	60118505
2NKV 10/12 T400/50 EN12845	60118506
2NKV 10/14 T400/50 EN12845	60118507
2NKV 15/3 T400/50 EN12845	60118533
2NKV 15/4 T400/50 EN12845	60118534
2NKV 15/5 T400/50 EN12845	60118535
2NKV 15/6 T400/50 EN12845	60118536
2NKV 15/7 T400/50 EN12845	60118537
2NKV 15/8 T400/50 EN12845	60118538
2NKV 15/9 T400/50 EN12845	60118539
2NKV 15/10 T400/50 EN12845	60118540
2NKV 20/3 T400/50 EN12845	60118541
2NKV 20/4 T400/50 EN12845	60118542
2NKV 20/5 T400/50 EN12845	60118543
2NKV 20/6 T400/50 EN12845	60118544
2NKV 20/7 T400/50 EN12845	60118545
2NKV 20/8 T400/50 EN12845	60118546
2NKV 20/9 T400/50 EN12845	60118547
2NKV 20/10 T400/50 EN12845	60118548

2 PUMPS NKV + PILOT PUMP

MODEL	CODE
2NKV 10/3 T400/50 EN12845 - JET	60118549
2NKV 10/4 T400/50 EN12845 - JET	60118550
2NKV 10/5 T400/50 EN12845 - JET	60118551
2NKV 10/6 T400/50 EN12845 - JET	60118552
2NKV 10/7 T400/50 EN12845 - KV 3/10	60118553
2NKV 10/8 T400/50 EN12845 - KV 3/12	60118554
2NKV 10/9 T400/50 EN12845 - KV 3/12	60118555
2NKV 10/10 T400/50 EN12845 - KV 3/18	60118556
2NKV 10/12 T400/50 EN12845 - KV 3/18	60118557
2NKV 10/14 T400/50 EN12845 - KV 3/18	60118558
2NKV 15/3 T400/50 EN12845 - JET	60118559
2NKV 15/4 T400/50 EN12845 - JET	60118560
2NKV 15/5 T400/50 EN12845 - JET	60118561
2NKV 15/6 T400/50 EN12845 - KV 3/12	60118562
2NKV 15/7 T400/50 EN12845 - KV 3/12	60118563
2NKV 15/8 T400/50 EN12845 - KV 3/18	60118564
2NKV 15/9 T400/50 EN12845 - KV 3/18	60118565
2NKV 15/10 T400/50 EN12845 - KV 3/18	60118566
2NKV 20/3 T400/50 EN12845 - JET	60118567
2NKV 20/4 T400/50 EN12845 - JET	60118568
2NKV 20/5 T400/50 EN12845 - JET	60118569
2NKV 20/6 T400/50 EN12845 - KV 3/12	60118570
2NKV 20/7 T400/50 EN12845 - KV 3/18	60118571
2NKV 20/8 T400/50 EN12845 - KV 3/18	60118572
2NKV 20/9 T400/50 EN12845 - KV 3/18	60118573
2NKV 20/10 T400/50 EN12845 - KV 3/18	60118574

PUMP SET SELECTION PARAMETERS

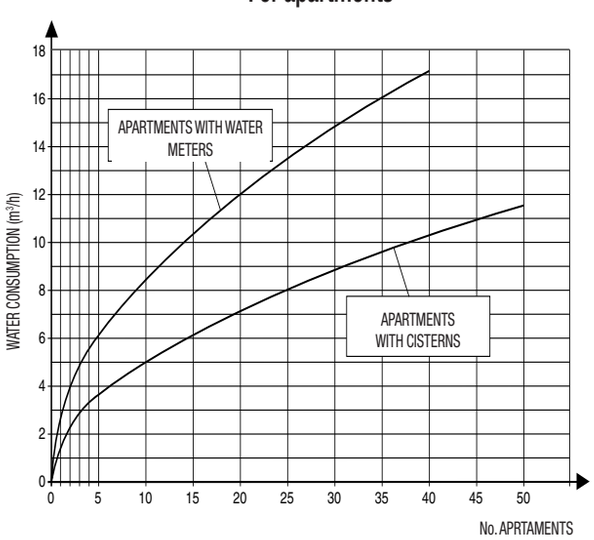
TO SUPPLY WATER TO APARTMENTS, HOTELS HOSPITALS AND SIMILAR BUILDINGS

To choose a pump set it is important to have two basic items of information: how much water is required and to what height must it be pumped. The following table describes how water is used in the case of a house or apartment

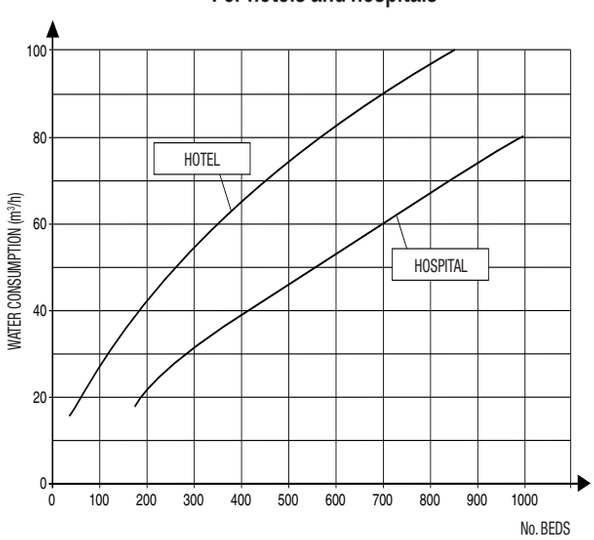
	Q (l/min)
Toilet with direct flush valve	90
Bath tub	15
Shower	12
Washing machine	12
Dishwasher	10
Kitchen sink	9
Wash basin	6
Bidet	6
Toilet with cistern flush	6
	166

Clearly, 166 l/min per apartment is excessive because shower, toilet, etc. are not used simultaneously. Therefore, to calculate the quantity of water needed we can use mathematical formulae that give us the necessary flow rate per number of apartments. The calculation results are given in the following tables.

For apartments



For hotels and hospitals



For apartments with two bathrooms, the flow rate should be increased by 30%, by 25% for 3 bathrooms and by 20% for 4 bathrooms. For holiday resorts, the number of apartments should be multiplied by 1.2.

So, once we know the number of apartments or beds, we can calculate the amount of water needed. The pump set must lift water to the highest floor of the building and must have a minimum pressure of 1 bar (approx 10 m) at the most distant user point. The set must however also be able to compensate for leakages from the distribution system, and it is also aided by the water mains pressure; the pump set head is therefore equivalent to:
H = (building H + leaks H + residual H) – water mains H (m)

Considering that leaks amount to approximately 20% of building H, we obtain:
H = (1.2 x building H + 10) – water mains H (m)

Summarising:
1) From the number of apartments we can calculate flow rate Q.
2) From the building height and water mains pressure we can calculate H.
3) IN the tables given on the following pages we can choose the pump set whose curve end point coincides with the calculated Q and H values and which has at least 2 bar (20 m) between curve start and curve end.

NOTES

NOTES

Via Marco Polo, 14 - Mestrino (PD) Italy - Phone +39.049.5125000 - Fax +39.049.5125950
Customer Service: Tel.: +39.049.5125350 - Fax +39.049.5125959 - email: customer.service@dwtgroup.com
www.dabpumps.com

DAB PUMPS LTD.
Unit 4, Stortford Hall Industrial
Park Dunmow Road, Bishops Stortford, Herts
CM23 5GZ - UK
info.uk&eire@dwtgroup.com
Tel.: +44 1279 652 776
Fax: +44 1279 657 727

DAB PUMPS B.V.
Brusselstraat 150
B-1702 Groot-Bijgaarden - Belgium
info.belgium@dwtgroup.com
Tel.: +32 2 4668353
Fax: +32 2 4669218

PUMPS AMERICA, INC. DAB PUMPS DIVISION
3226 Benchmark Drive
Ladson, SC 29456 USA
info.usa@dwtgroup.com
Ph. : 1-843-824-6332
Toll Free : 1-866-896-4DAB (4322)
Fax : 1-843-797-3366

OOO DWT GROUP
100 bldg. 3 Dmitrovskoe highway,
127247 Moscow - Russia
info.russia@dwtgroup.com
Tel.: +7 495 739 52 50
Fax: +7 495 485-3618

DWT South Africa
Landmark Office Park (East Block) - 4th Floor
17 Umgazi Road - Menlo Park - 0081 South Africa
info.sa@dwtgroup.com
Tel.: +27 861 666 687
Fax: +27 346 1351

DAB PUMPS B.V.
Albert Einsteinweg, 4
5151 DL Drunen - Nederland
info.netherlands@dwtgroup.com
Tel.: +31 416 387280
Fax: +31 416 387299

DAB PUMPEN DEUTSCHLAND GmbH
Tackweg 11
D - 47918 Tönisvorst - Germany
info.germany@dwtgroup.com
Tel.: +49 2151 82136-0
Fax: +49 2151 82136-36

DAB PUMPS IBERICA S.L.
Parque Empresarial San Fernando
Edificio Italia Planta 1ª
28830 - San Fernando De Henares - Madrid
Spain
info.spain@dwtgroup.com
Ph.: +34 91 6569545
Fax: +34 91 6569676

DAB PUMPS CHINA
No.40 Kaituo Road, Qingdao Economic & Technological
Development Zone
Qingdao City, Shandong Province, China
PC: 266500
info.china@dwtgroup.com
Fax +8653286812210
Tel. +8653286812030-6270

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