VERTICAL TURBINE

Use the following table to determine which discharge head should be used on vertical turbine fire pumps. Both style discharge heads are shown on the setting plans where applicable.

Rated		Discharg	e Head Design	
Capacity	Bowl	100-175 PSI	Working Pressure	176-300 PSI Working Pressure
(GPM)	Design	U.L. Listed	FM Approved	U.L. Listed or FM Approved
250	10 FEM	16-1/2 x 6 SDC	16-1/2 x 6 SDC	16-1/2 x 6 LAD
300	10 FEM	16-1/2 x 6 SDC	16-1/2 x 6 SDC	16-1/2 x 6 LAD
400	10 FEM	16-1/2 x 6 SDC	16-1/2 x 6 SDC	16-1/2 x 6 LAD
500	11 FGM	16-1/2 x 6 LAD	16-1/2 x 6 LAD	16-1/2 x 6 LAD
750	12 FCM	16-1/2 x 6 LAD	16-1/2 x 6 LAD	16-1/2 x 6 LAD
750	14 FGM	16-1/2 x 8 SDC	16-1/2 x 8 SDC	16-1/2 x 8 LAD
1000	12 FCM	16-1/2 x 6 LAD	16-1/2 x 6 LAD	16-1/2 x 6 LAD
1000	14 FGM	16-1/2 x 8 SDC	16-1/2 x 8 SDC	16-1/2 x 8 LAD
1250	13 FGH	16-1/2 x 8 SDC	16-1/2 x 8 SDC	16-1/2 x 8 LAD
1500	13 FGH	16-1/2 x 8 SDC	16-1/2 x 8 SDC	16-1/2 x 8 LAD
1500	15 FGH	20 x 10 LAD	20 x 10 LAD	20 x 10 LAD
2000	15 FGH	20 x 10 LAD	20 x 10 LAD	20 x 10 LAD
2000	17 FGM	20 x 10 LAD	20 x 10 LAD	20 x 10 LAD
2500	15 FGH	20 x 10 LAD	20 x 10 LAD	20 x 10 LAD
3000	19 FGM	24-1/2 x 12 SDH	24-1/2 x 12 SDH	24-1/2 x 12 SDH
3500	19 FGM	24-1/2 x 12 SDH	24-1/2 x 12 SDH	24-1/2 x 12 SDH
4000	19 FGH	24-1/2 x 12 SDH	24-1/2 x 12 SDH	24-1/2 x 12 SDH
4500	19 FGH	24-1/2 x 12 SDH	24-1/2 x 12 SDH	24-1/2 x 12 SDH



Section **914** Page **202** 

#### Date April 2006

NOTES

Supersedes Section 914 Page 202 Dated May 2004 AURORA FIRE PUMPS

ELECTRIC DRIVEN VERTICAL TURBINE



are typical and may vary due to various tolerances. 3. All bases are designed to have full contact with either grout or a soleplate grouted in place. 4. Limited to maximum working pressure of 175 PSI.

2. Not for construction, installation, or application purposes unless certified. Dimensions shown

1. Flange ratings are either 125# or 250# and will be designated in the certification block

5. For 250 GPM Z = 21". For 300 GPM and 400 GPM Z = 24".

below for each order submittal.

		BOW	'L ASSEMBLY, CO	LUMN & SHAFTING					
		Nominal Colu	mn Dia.	V					
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z	
10 FEM	4	6	6	41	41	6	10	(5)	
		Total Stages		Add 8.25 for	over 4 stag	over 4 stages			
11 FGM	4	6	8	44-13/16	47-9/16	9	11-1/2	34	
		Total Stages		Add 9-1/2 fo	r each additional stag	ge over 4 sta	ges		
12 FCM	3	8	8	40	42-3/4	7	13	34	
		Total Stages		Add 10-3/4 for each additional stage over 3 stages					

	DISCHARGE HEADS & BASEPLATES											
Siz	Ze											
BD	DISCH	Α	B	C	F	G	H	N	S	T	U	
12	6 SDH	20	11-1/2	7	1	3/4	1	1-3/8	21-1/2	17-5/32	14-1/2	
16-1/2	6 SDC	23	11-3/8	10	1-1/2	1	7/8	1-1/16	24	21	17-1/8	(4
16-1/2	6 LAD	23	10-1/4	10	1-1/2	1	7/8	1-1/16	24	21	17-1/8	
16-1/2	6 SDH	20	11-1/2	7	1	3/4	1	1-3/8	21-1/2	17-5/32	14-1/2	

Customer:			P.O.#:			Dwg.#	Dwg.#		
						Ů			
Job Name:	o Name:					Flange Rating: 🕅 125# 🦳 250#			
			UL 🗌 FM						
Model:	# Stages:		GPM:		PSI:		Max. Lift:		
indudi.	" stuges.		01.111.		1 51.		mux. Em.		
Motor Mfg.:	HP:	Frame:		Ph:	Hz:	V:	Encl.:		
motor mig		Truine.		111.	112.	۷.	Liid		
Certified By:			Date:						
Cernneu by.			Dule.						



#### ELECTRIC DRIVEN VERTICAL TURBINE

# Section 914 Page 203 Date May 1, 2004

Supersedes Section 914 Page 203 Dated June 1, 2002



BOTTOM OF PIT

#### NOTES

- 1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal.
- 2. Not for construction, installation, or application purposes unless certified. Dimensions shown are typical and may vary due to various tolerances.
- 3. All bases are designed to have full contact with either grout or a soleplate grouted in place.

4. Limited to maximum working pressure of 175 PSI.

	BOWL ASSEMBLY, COLUMN & SHAFTING											
		Nominal C	olumn Dia.		v							
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z				
13 FGH	4	8	10	61-13/16	65-1/4	11	13	34				
		Total Stages		Add 13-1/	16 for each additi	onal stage over 4 stages						
14 FGM	3	8	10	44-15/16	49-1/4	13	14-3/4	30				
		Total Stages		Add 12-3/	16 for each additi	onal stage	s					
15 FGH	3	10	12	54-1/16	57-7/16	13	14-3/4	34 - 2000 GPM				
								46 - 2500 GPM				
		Total Stages	Add 14-1/2									

	DISCHARGE HEADS & BASEPLATES												
Siz	ze												
BD	DISCH	Α	B	C	F	G	H	N	S	T	U		
16-1/2	8 SDH	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8		
16-1/2	8 LAD	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8		
20	10 LAD	23	13-7/8	10-1/2	1-1/2	1	7/8	1-1/4	24	21	17-1/8		

Customer:						Dwg.#	Dwg.#		
Job Name:					CUL	Flange I	Rating: 125# 250#		
Model:	# Stages:		GPM:		PSI:		Max. Lift:		
Motor Mfg.:	HP:	Frame:		Ph:	Hz:	V:	Encl.:		
Certified By:			Date:						



### Section **914** Page **204** Date **May 1, 2004**

Supersedes Section 914 Page 204 Dated June 1, 2002

NOTES

#### **AURORA FIRE PUMPS** ELECTRIC DRIVEN VERTICAL TURBINE



BOTTOM OF PIT

- 1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal.
- Not for construction, installation, or application purposes unless certified. Dimensions shown are typical and may vary due to various tolerances.
- 3. All bases are designed to have full contact with either grout or a soleplate grouted in place.

	BOWL ASSEMBLY, COLUMN & SHAFTING												
		Nominal C	olumn Dia.										
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z					
17 FGM	3	12	N/A	49-7/8	N/A	9	18	28					
		Total Stages		Add 13-1/2 for each additional stage over 3 stages									
19 FGM	2	12	N/A	47-5/8	N/A	12	23-1/2	32					
		Total Stages	Add 17-5/8	for each additio	nal stage o	ver 2 stage	5						
19 FGH	2	12	N/A	47-5/8	N/A	12	23-1/2	32					
		Total Stages		Add 17-5/8 for each additional stage over 2 stages									

	DISCHARGE HEADS & BASEPLATES												
S	ize												
BD	DISCH	A	В	C	F	G	H	N	S	T	U		
20	10 LAD	23	13-7/8	10-1/2	1-1/2	1	7/8	1-1/4	24	21	19		
24-1/2	12 SDH	28	17	13-1/2	2	3/4	1-1/8	1-7/8	32-1/2	26-5/32	24-1/2		

Customer:							
Job Name:	I			UL FM CUL		Rating: 125# 250#	
Model:	# Stages:	# Stages:		•	PSI:		Max. Lift:
Motor Mfg.:	HP:	Frame:	•	Ph:	Hz:	V:	Encl.:
Certified By:		•	Date:	•	·•		



#### Section **914** Page **205** Date **September 2011**

DIESEL DRIVEN VERTICAL TURBINE

Supersedes Section 914 Page 205 Dated May 2004



typical and may vary due to various tolerances.

3. All bases are designed to have full contact with either grout or a soleplate grouted in place.

4. Limited to maximum working pressure of 175 PSI

5. CD, CE & CS are dimensioned to face of drive disk.

6. For 250 GPM Z = 21". For 300 GPM and 400 GPM Z = 24".

BOTTOM OF PIT

Y

12 MIN

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	BOWL ASSEMBLY, COLUMN & SHAFTING												
		Nominal Colu	mn Dia.	V									
Size & Model	# of Stages	UL & FM Water Lube Only		UL & FM Water Lube Only	All Others	W	Y	Z					
10 FEM	4	6	6	41	41	6	10	(6)					
		Total Stages		Add 8-1/4 for	each additional stag	je over 4 stag	jes						
11 FGM	4	6	8	44-13/16	47-9/16	9	11-1/2	34					
		Total Stages		Add 9-1/2 for each additional stage over 4 stages									

	DISCHARGE HEADS & BASEPLATES												
Size										1			
BD	DISCH	Α	B	C	F	G	H	N	S	T	U	1	
16-1/2	6 SDC	23	11-3/8	10	1-1/2	1	7/8	1-1/16	24	21	17-1/8	(4)	
16-1/2	6 LAD	23	10-1/4	10	1-1/2	1	7/8	1-1/16	24	21	17-1/8	7	

				CLA	RKE JU4H I	DIESEL ENG	INES					
MODEL	AA	AB	AF	AN	CA	CB	C	CD	CE	CS	HD	HP
JU4HUF10	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10	20.25	40.5
JU4HUF20	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10	20.25	40.5
JU4HUF30	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10.5	20.25	45
JU4HUF40	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10.5	20.25	45

Customer:		P.O.#:			Dwg.#	
					ľ	
Job Name:	·				Flange	Rating: 🗌 125# 🔲 250#
Model:	# Stages:	GPM:		PSI:		Max. Lift:
Engine Mfg.:	Engine Model:		RPM:		HP:	•
Certified By:		Date:	•	•		



#### Section 914 Page 206 Date September 2011

Supersedes Section 914 Page 206 Dated April 2006

GEAR

Ratio



#### DIESEL DRIVEN VERTICAL TURBINE



#### NOTES

Mfg.

fication block below for each order submittal. Reducers and/or increasers grouted in place. may be required to meet NFPA Pamphlet #20.

Model

2. Not for construction, installation, or application purposes unless certified. Dimensions shown are typical and may vary due to various tolerances.

1. Flange ratings are either 125# or 250# and will be designated in the certi-3. All bases are designed to have full contact with either grout or a soleplate

- 4. Limited to maximum working pressure of 175 PSI
- 5. CD, CE & CS are dimensioned to face of drive disk.

		BOWL AS	SEMBLY, COL	UMN & SHAFTING				
		Nominal Colu	mn Dia.	V				
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z
12 FCM	3	8	8	40	42-3/4	7	13	34
		Total Stages		Add 10-3/4	4 for each additi	onal stage	over 3 stag	jes
13 FGH	4	8	10	61-13/16	65-1/4	11	13	34
		Total Stages		Add 13-1/	16 for each addi	tional stag	e over 4 st	ages

				DISCHAR	RGE HEADS	& BASEPL/	TES					
Siz	ze											
BD	DISCH	A	B	C	F	G	H	N	S	T	U	
12	6 SDH	23	11-1/2	8-1/2	1-1/2	3/4	1	1-3/8	21-1/4	17-5/32	14-1/2	
16-1/2	8 SDC	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	- (4
16-1/2	8 LAD	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	
16-1/2	6 LAD	23	10-1/4	10	1-1/2	1	7/8	1-1/16	24	21	17-1/8	
16-1/2	6 SDH	21-1/2	11-1/2	8-1/2	1-1/2	3/4	1	1-3/8	21-1/4	17-5/32	14-1/2	

				CLA	RKE JU4H I	DIESEL ENG	INES					
MODEL	AA	AB	AF	AN	CA	CB	C	CD	Œ	CS	HD	HP
JU4HUF10	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10	20.25	40.5
JU4HUF20	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10	20.25	40.5
JU4HUF30	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10.5	20.25	45
JU4HUF40	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10.5	20.25	45
JU4HUF50	32	15	5	1 x 2	40	N/A	30	35.75	2.26	15.2	20.25	45

Customer:		P.O.#:			Dwg.#	
Job Name:	I		UL FM		Flange	Rating: 125# 250#
Model:	# Stages:	GPM:	•	PSI:	•	Max. Lift:
Engine Mfg.:	Engine Model:	1	RPM:		HP:	
Certified By:		Date:	•	·		



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WATER LEVEL

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#### Section 914 Page 207 Date September 2011

DIESEL DRIVEN VERTICAL TURBINE

Supersedes Section 914 Page 207 Dated May 2004

WATER LEVEL

W

12 MIN



#### NOTES

Mfg.

1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal. Reducers and/or increasers may be required to meet NFPA Pamphlet #20.

GEAR

Ratio

plate grouted in place.

4. Limited to maximum working pressure of 175 PSI

2. Not for construction, installation, or application purposes unless certified. 5. CD, CE & CS are dimensioned to face of drive disk. Dimensions shown are typical and may vary due to various tolerances.

			BOWL ASSEMB	LY, COLUMN & SHA	FTING				
		Nominal C	olumn Dia.		V				' -=  Y  =-
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z	
14 FGM	3	8	10	44-15/16	49-1/4	13	14-3/4	36	BOTTOM OF PIT
		Total Stages		Add 12-3/	16 for each additi	onal stage	over 3 stag	es	
15 FGH	3	10	12	54-1/16	57-7/16	13	14-3/4	34 - 2000 GPM 46 - 2500 GPM	
		Total Stages		Add 14-1/2	2 for each additio	nal stage o	over 3 stages		]

				DISCHAR	GE HEADS	& BASEPLA	TES					
Siz	ze											
BD	DISCH	Α	B	C	F	G	H	N	S	T	U	
16-1/2	8 SDC	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	(4)
16-1/2	8 LAD	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	
20	10 LAD	23	13-7/8	10-1/2	1-1/2	1	7/8	1-1/4	24	21	17-1/8	

				CLA	RKE JU4H I	DIESEL ENG	INES					
MODEL	AA	AB	AF	AN	CA	CB	C	CD	CE	CS	HD	HP
JU4HUF40	32	15	5	1 x 2	40	N/A	30	35.75	2.26	10.5	20.25	45
JU4HUF50	32	15	5	1 x 2	40	N/A	30	35.75	2.26	15.2	20.25	45

Customer:		P.O.#:			Dwg.#	
Job Name:			UL FM	CUL	Flange	Rating: 125# 250#
Model:	# Stages:	GPM:		PSI:		Max. Lift:
Engine Mfg.:	Engine Model:	•	RPM:		HP:	
Certified By:		Date:		·		



# Section **914** Page **208** Date **September 2011**

Supersedes Section 914 Page 208 Dated April 2006

GEAR

Ratio

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TOP VIEW



**AURORA FIRE PUMPS** 

DIESEL DRIVEN VERTICAL TURBINE

CD

FACE OF DRIVE DISK



Mfg.

1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal. Reducers and/or increasers may be required to meet NFPA Pamphlet #20.

Model

2. Not for construction, installation, or application purposes unless certified. Dimensions shown are typical and may vary due to various tolerances.



CA

4. CD,CD & CS are dimensioned to face of drive disk.

		BOWL AS	SEMBLY, COL	UMN & SHAFTING				
		Nominal Colu	mn Dia.	V				
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z
11 FGM	4	6	8	44-13/16	47-9/16	9	11-1/2	34
		Total Stages		Add 9-1/2	for each additio	nal stage o	ver 4 stage	5
12 FCM	3	8	8	40	42-3/4	7	13	34
		Total Stages		Add 10-3/4	4 for each addit	onal stage	over 3 stag	es

				DISCHAR	GE HEADS	& BASEPLA	TES				
Siz	ze										
BD	DISCH	Α	B	C	F	G	H	N	S	T	U
12	6 SDH	23	11-1/2	8-1/2	1-1/2	3/4	1	1-3/8	21-1/4	17-5/32	14-1/2
16-1/2	6 LAD	23	10-1/4	10	1-1/2	1	7/8	1-1/16	24	21	17-1/8

	CLARKE JU6H DIESEL ENGINES												
MODEL	AA	AB	AF	AN	CA	CB	C	CD	Œ	CS	HD	HP	
JU6HUF30	32	15	5	1 x 2	46	N/A	36	45.9	.88	15.2	20.35	45.8	
JU6HUF50	32	15	5	1 x 2	46	N/A	36	45.9	.88	15.2	20.35	45.8	
JU6HUF60	32	15	5	1 x 2	46	N/A	36	48	.88	15.2	20.35	45.8	

Customer:		P.O.#:			Dwg.#	
Job Name:	•		UL FM	CUL	Flange	Rating: 125# 250#
Model:	# Stages:	GPM:		PSI:	•	Max. Lift:
Engine Mfg.:	Engine Model:	•	RPM:	-	HP:	
Certified By:		Date:				





BOTTOM OF PIT

#### Section 914 Page 209 Date September 2011

DIESEL DRIVEN VERTICAL TURBINE

Supersedes Section 914 Page 209

W

//////// BOTTOM OF PIT

12 MIN



NOTES

Mfg.

1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal. Reducers and/or increasers may be required to meet NFPA Pamphlet #20.

GEAR

Ratio

- 2. Not for construction, installation, or application purposes unless certified. 5. CD, CE & CS are dimensioned to face of drive disk. Dimensions shown are typical and may vary due to various tolerances.
- or a soleplate grouted in place.
- 4. Limited to maximum working pressure of 175 PSI

	BOWL ASSEMBLY, COLUMN & SHAFTING													
		Nominal C	olumn Dia.		V									
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z						
13 FGH	4	8	10	61-13/16	65-1/4	11	13	34						
		Total Stages		Add 13-1/	itional stage over 4 stages									
15 FGH	3	10	12	54-1/16	57-7/16	13	14-3/4	34 - 2000 GPM 46 - 2500 GPM						
		Total Stages		Add 14-1/2 for each additional stage over 3 stages										

	DISCHARGE HEADS & BASEPLATES													
Si	Size													
BD	DISCH	A	B	C	F	G	H	N	S	T	U			
16-1/2	8 SDC	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8			
16-1/2	8 LAD	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8			
20	10 LAD	23	13-7/8	10-1/2	1-1/2	1	7/8	1-1/4	24	21	17-1/8			

	CLARKE JU6H DIESEL ENGINES													
MODEL	AA	AB	AF	AN	CA	CB	C	CD	Œ	CS	HD	HP		
JU6HUF30	32	15	5	1 x 2	46	N/A	36	45.9	.88	15.2	20.35	45.8		
JU6HUF50	32	15	5	1 x 2	46	N/A	36	45.9	.88	15.2	20.35	45.8		
JU6HUF60	32	15	5	1 x 2	46	N/A	36	48	.88	15.2	20.35	45.8		

Customer:		P.O.#:			Dwg.#	
Job Name:	L. L		UL FM	CUL CUL	Flange	Rating: 125# 250#
Model:	# Stages:	GPM:		PSI:		Max. Lift:
Engine Mfg.:	Engine Model:	•	RPM:	-	HP:	
Certified By:		Date:		·		





	CLARKE JW6H DIESEL ENGINES												
MODEL	AA	AB	AF	AN	CA	CB	cc	CD	CE	CS	HD	HP	
JW6HUF30	36	17	5	1 x 2	46	N/A	36	47.52	2.9	14.1	24	50.11	
JW6HUF50	36	17	5	1 x 2	46	N/A	36	47.52	2.9	14.1	24	50.11	
JW6HUF60	36	17	5	1 x 2	46	N/A	36	47.52	2.9	14.1	24	50.11	

Customer:		P.O.#:			Dwg.#
Job Name:			UL DFM	□ CUL	Flange Rating: 125# 250#
Model:	# Stages:	GPM:	•	PSI:	Max. Lift:
Engine Mfg.:	Engine Model:	•	RPM:		HP:
Certified By:		Date	:		



#### Section **914** Page **211** Date **September 2011**

DIESEL DRIVEN VERTICAL TURBINE

Supersedes Section 914 Page 211 Dated May 2004

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BOTTOM OF PIT

12 MIN

COLUMN DIA

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WATER LEVEL

W



NOTES

- 1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal.
- 2. Not for construction, installation, or application purposes unless certified. Dimensions shown are typical and may vary due to various tolerances.
- 3. All bases are designed to have full contact with either grout or a soleplate grouted in place.
- 4. Limited to maximum working pressure of 175 PSI

5. CD, CE & CS are dimensioned to bare flywheel.

	BOWL ASSEMBLY, COLUMN & SHAFTING												
		Nominal Co	lumn Dia.	V									
Size & Model	# of Stages	UL & FM Water Lube Only	All Others	UL & FM Water Lube Only	All Others	W	Y	Z					
13 FGH	4	8	10	61-13/16	65-1/4	11	13	34					
		Total Stages		Add 13-1/	16 for each addit	ional stage	e over 4 stag	es					
14 FGM	3	8	10	44-15/16	49-1/4	13	14-3/4	36					
		Total Stages		Add 12-3/16 for each additional stage over 3 stages									

	DISCHARGE HEADS & BASEPLATES													
Si	Size													
BD	DISCH	Α	B	C	F	G	H	N	S	T	U			
16-1/2	8 SDC	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	(4)		
16-1/2	8 LAD	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	7		
20	10 LAD	23	13-7/8	10-1/2	1-1/2	1	7/8	1-1/4	24	21	17-1/8	7		

	CLARKE JW6H DIESEL ENGINES												
MODEL	AA	AB	AF	AN	CA	CB	C	CD	CE	CS	HD	HP	
JW6HUF30	36	17	5	1 x 2	46	N/A	36	49.4	4.6	19.7	24	50.1	
JW6HUF40	36	17	5	1 x 2	46	N/A	36	49.4	4.6	19.7	24	50.1	
JW6HUF50	36	17	5	1 x 2	46	N/A	36	49.4	4.6	19.7	24	50.1	
JW6HUF60	36	17	5	1 x 2	46	N/A	36	49.4	4.6	19.7	24	50.1	

r						
Customer:		P.O.#:			Dwg.#	
Job Name:			T UL T FM	CUL	Flance R	Rating: 🗌 125# 🔲 250#
						<b>3</b>
Model:	# Stages:	GPM:		PSI:	I	Max. Lift:
indudi.	" slugos.	0.111		1.5		mux. Em.
		1				
Engine Mfg.:	Engine Model:	-	RPM:		HP:	
Lingino mig	Engine model.		KIM.			
Certified By:		Date:				
Cermieu by.		Dule.				







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# **AURORA FIRE PUMPS**

DIESEL DRIVEN VERTICAL TURBINE



5. CD, CD & shafting length are dimensioned to face of drive flange.

BOWL ASSEMBLY, COLUMN & SHAFTING												
Size & Model	# of Stages	UL & FM Water Lube Only	W	Y	Z							
12 FCM	3	8	8	40	42-3/4	7	13	34				
		Total Stages		Add 10-3/4	4 for each additi	itional stage over 3 stages						
13 FGH	4	8	10	61-13/16	65-1/4	11	13	34				
Total Stages Add 13-1/16 for each additional stage over 4 stages												



CATERPILLAR DIESEL ENGINES											
MODEL	AA	AB	AF	AN	CA	CB	C	CD	CE	HD	HP
3406DIT	28-1/2	10-1/4	10-3/4	13/16	76	16-3/4	16-3/4	78-5/8	15-1/8	19-1/2	34-3/4

Customer:		P.O.#:			Dwg.#	Dwg.#		
Job Name:	UL FM CUL Flange Rating: 125#				Rating: 125# 250#			
Model:	# Stages:		GPM:		PSI:	•	Max. Lift:	
Motor Mfg.:	HP:	Frame:	1	Ph:	Hz:	V:	Encl.:	
Certified By:			Date:		<b>I</b>		·	



12 MIN

W

//////// BOTTOM OF PIT

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#### DIESEL DRIVEN VERTICAL TURBINE

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NOTES

- 1. Flange ratings are either 125# or 250# and will be designated in the certification block below for each order submittal.
- 2. Not for construction, installation, or application purposes unless certified. Dimensions shown are typical and may vary due to various tolerances.
- 3. All bases are designed to have full contact with either grout or a soleplate grouted in place.
- 4. Limited to maximum working pressure of 175 PSI.
- 5. CD, CE & shafting length are dimensioned to face of drive flange.
- 6. When used with a 17FGM, U=19 (483).

		I	BOWL ASSEMB	LY, COLUMN & SHA	AFTING				
		Nominal C	olumn Dia.		۷				
Size & Model	# of Stages	UL & FM Water All Others Lube Only		UL & FM Water Lube Only	All Others	W	Y	Z	
14 FGM	3	8	10	44-15/16	49-1/4	13	14-3/4	30	
		Total Stages		Add 12-3/16 for each additional stage over 3 stages					
15 FGH	3	10	12	54-1/16	57-7/16	13	14-3/4	34 - 2000 GPM 46 - 2500 GPM	
		Total Stages		Add 14-1/2 fo	or each additional	stage over	3 stages		
17 FGM	3	12	N/A	49-7/8	N/A	9	18	28	
		Total Stages		Add 13-1/2	2 for each additio	nal stage o	ver 3 stages	5	



COLUMN DIA

BOTTOM OF PIT

				DISCHAR	GE HEADS	& BASEPLA	ATES					
Siz	ze											7
BD	DISCH	Α	B	C	F	G	H	N	S	T	U	7
16-1/2	8 SDC	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	(4)
16-1/2	8 LAD	23	11-3/8	10	1-1/2	1	7/8	1-3/16	24	21	17-1/8	
20	10 LAD	23	13-7/8	10-1/2	1-1/2	1	7/8	1-1/4	24	21	17-1/8	(6)

CATERPILLAR DIESEL ENGINES											
MODEL	AA	AB	AF	AN	CA	CB	C	CD	CE	HD	HP
3406DIT	28-1/2	10-1/4	10-3/4	13/16	76	16-3/4	16-3/4	78-5/8	15-1/8	19-1/2	32-3/4
3406DITA	28-1/2	10-1/4	10-3/4	13/16	76	16-3/4	16-3/4	78-5/8	15-1/8	19-1/2	35-1/8

						1.5. "			
Customer:			P.O.#:		Dwg.#	Dwg.#			
Job Name:	Job Name:					Flange Rating: 🔲 125# 🗍 250#			
					CUL				
Model:	# Stages:		GPM:	-	PSI:		Max. Lift:		
Motor Mfg.:	HP:	Frame:		Ph:	Hz:	V:	Encl.:		
Certified By:			Date:	•	•		•		





DISCHARGE HEADS & BASEPLATES												
Siz	ze											
BD	DISCH	A	A B C F G H N S T U									
24-1/2	12 SDH	28	17	13-1/2	2	3/4	1-1/8	1-7/8	32-1/2	26-5/32	24-1/2	

	CATERPILLAR DIESEL ENGINES												
MODEL	AA	AB	AF	AN	CA	CB	C	CD	CE	HD	HP		
3406DITA	28-1/2	10-1/4	10-3/4	13/16	76	16-3/4	16-3/4	78-5/8	15-1/8	19-1/2	35-1/8		
3408DITA	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF		
3412DIT	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF		
3412DITA	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF	RTF		

Customer:		P.O.#:			Dwg.#	Dwg.#		
Job Name:				UL FM	CUL	Flange	Rating: 125# 250#	
Model:	# Stages:		GPM:		PSI:		Max. Lift:	
Motor Mfg.:	HP:	Frame:		Ph:	Hz:	V:	Encl.:	
Certified By:	•		Date:				·	

