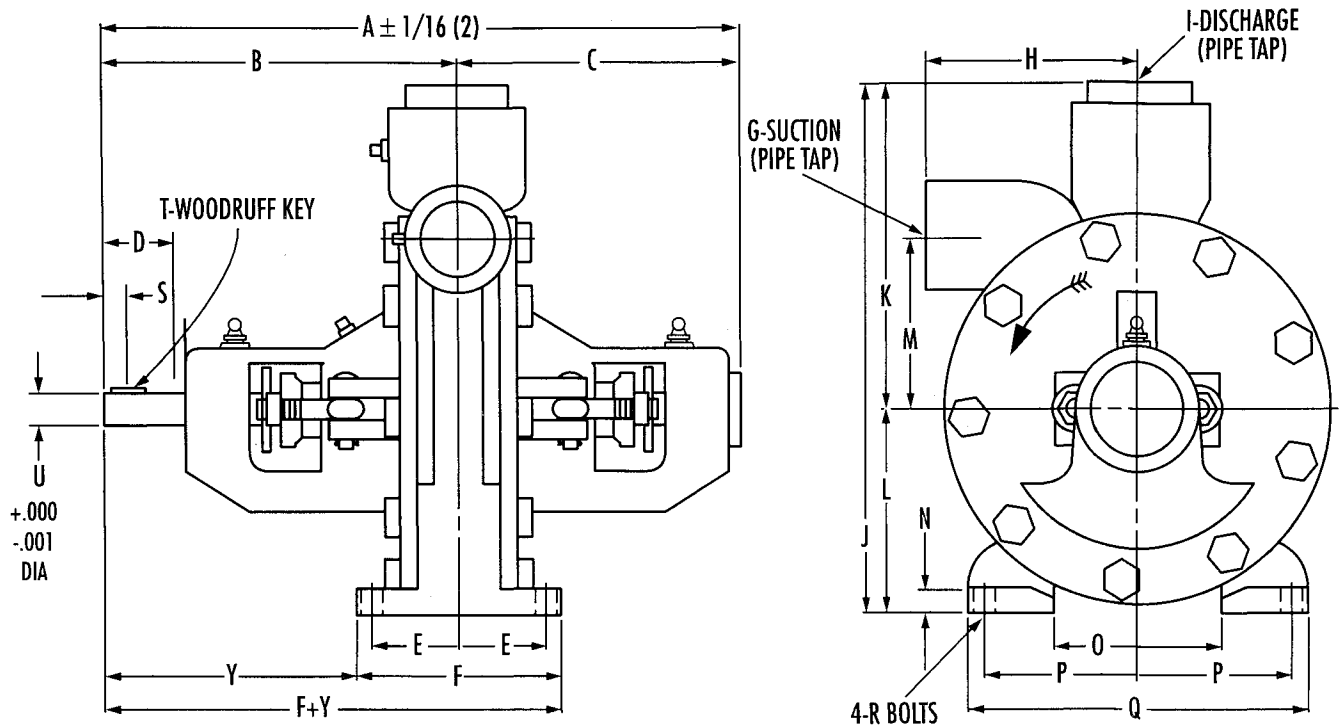


# AURORA TYPE 4R, 4RS, 4RA, 4RAS, 5R, 5RS, 5RA, & 5RAS SERIES

SECTION 110A PAGE 201  
DATED NOVEMBER 1996  
SUPERSEDES 110 PAGE 201  
DATED JANUARY 1993

## SINGLE STAGE APCO PUMPS RIGHT HAND PUMP ILLUSTRATED



PUMP MODELS	A	B	C	D	E	F	G	H	I	J	K	L	M
A35, A4, B4, C4, D4, E4 F4, G4, H4, I4, I4A	10-1/2 (267)	5-15/16 (151)	4-9/16 (116)	1 (25)	1-23/32 (44)	4-1/2 (114)	1-1/4 (32)	4 (102)	1-1/4 (32)	9-3/4 (248)	6-1/4 (159)	3-1/2 (89)	3 (76)
M4, P4, R4	14-1/8 (359)	8-1/8 (206)	6 (152)	1-13/16 (46)	2-1/8 (54)	5-1/4 (133)	1-1/2 (38)	4 (102)	1-1/2 (38)	8-7/8 (225)	5-3/8 (137)	3-1/2 (89)	3 (76)
D5, E5, F5, G5, H5, I5	14-11/16 (373)	8-3/8 (213)	6-5/16 (160)	1-1/2 (38)	2 (51)	5 (127)	1-1/4 (32)	5-1/8 (130)	1-1/4 (32)	12-1/4 (311)	7-1/2 (191)	4-3/4 (121)	4 (102)
J5, K5, L5, M5, N5, P5	16-5/8 (422)	9-5/16 (237)	7-5/16 (186)	2 (51)	2-5/8 (67)	6-1/4 (159)	2 (51)	5-1/8 (130)	1-1/2 (38)	12-1/4 (311)	7-1/2 (191)	4-3/4 (121)	4 (102)

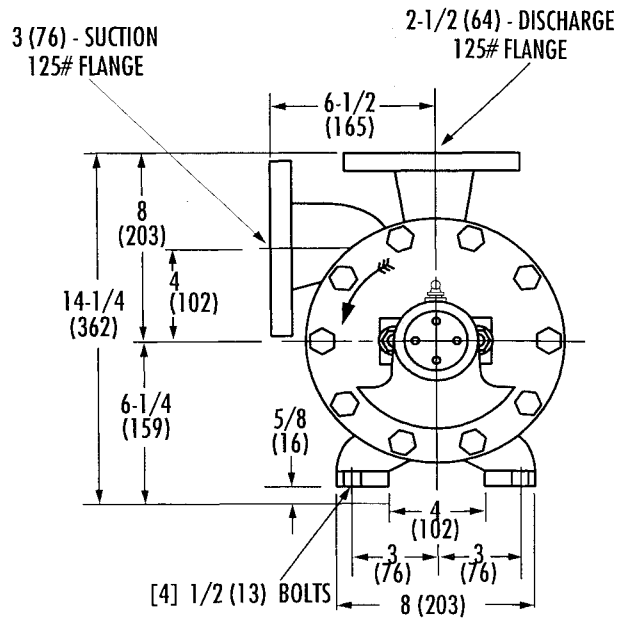
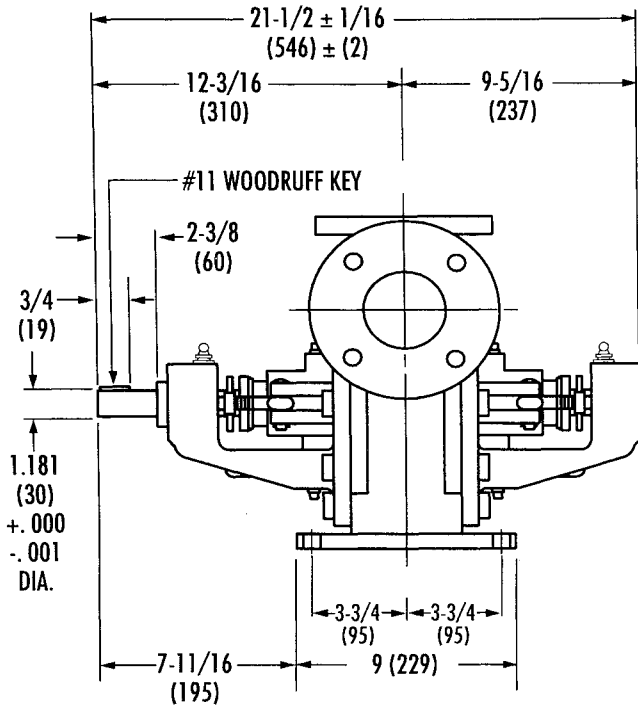
PUMP MODELS	N	O	P	Q	R	S	T	U	Y	F+Y
A35, A4, B4, C4, D4, E4 F4, G4, H4, I4, I4A	1/2 (13)	3 (76)	2-3/4 (70)	6-1/2 (165)	5/16 (8)	3/8 (10)	#404	.590 (15)	3-11/16 (94)	8-3/16 (208)
M4, P4, R4	1/2 (13)	3 (76)	2-3/4 (70)	6-1/2 (165)	5/16 (8)	1/2 (13)	#505	.787 (20)	5-1/2 (140)	10-3/4 (273)
D5, E5, F5, G5, H5, I5	9/16 (14)	4 (102)	3-1/2 (89)	8 (203)	3/8 (10)	1/2 (13)	#505	.787 (20)	5-7/8 (149)	10-7/8 (276)
J5, K5, L5, M5, N5, P5	9/16 (14)	4 (102)	3-1/2 (89)	8 (203)	3/8 (10)	1/2 (13)	#806	.984 (25)	6-1/4 (159)	12-1/2 (318)

**NOTES:**

1. All dimensions in inches. (mm)
2. Dimensions may vary  $\pm 1/8$ . (3)
3. Not for construction purposes unless certified.
4. Packed pump illustration shown.

# AURORA TYPE 6RA, 6RAS,

## SINGLE STAGE APCO PUMPS RIGHT HAND PUMP ILLUSTRATED



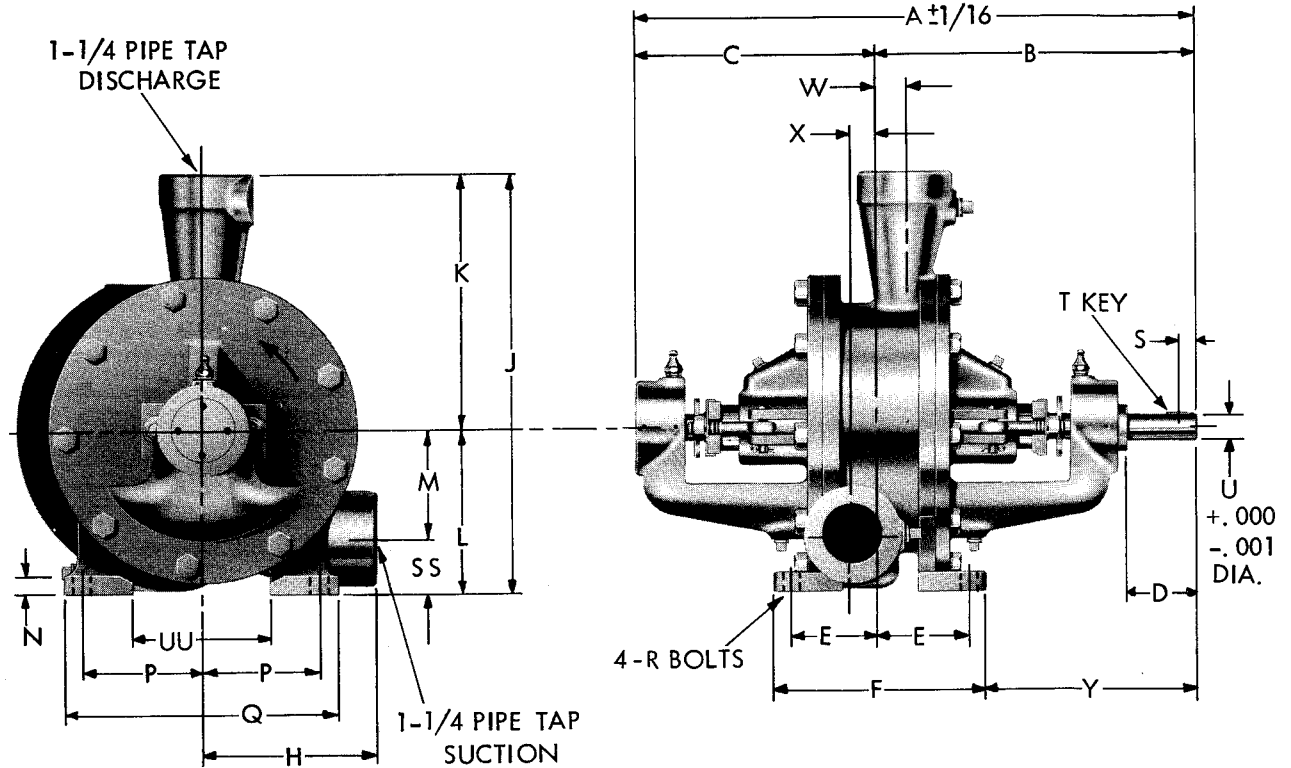
PUMP MODEL	G6	H6	J6	K6
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**NOTES:**

1. All dimensions in inches (mm).
2. Dimensions may vary +/- 1/8 (3).
3. Not for construction purposes unless certified.
4. Flanges in accordance with 125# American standard.

**TWO STAGE APCO PUMPS  
RIGHT HAND PUMP ILLUSTRATED**

SUPERSEDES PAGE 203  
DATED MARCH 1967



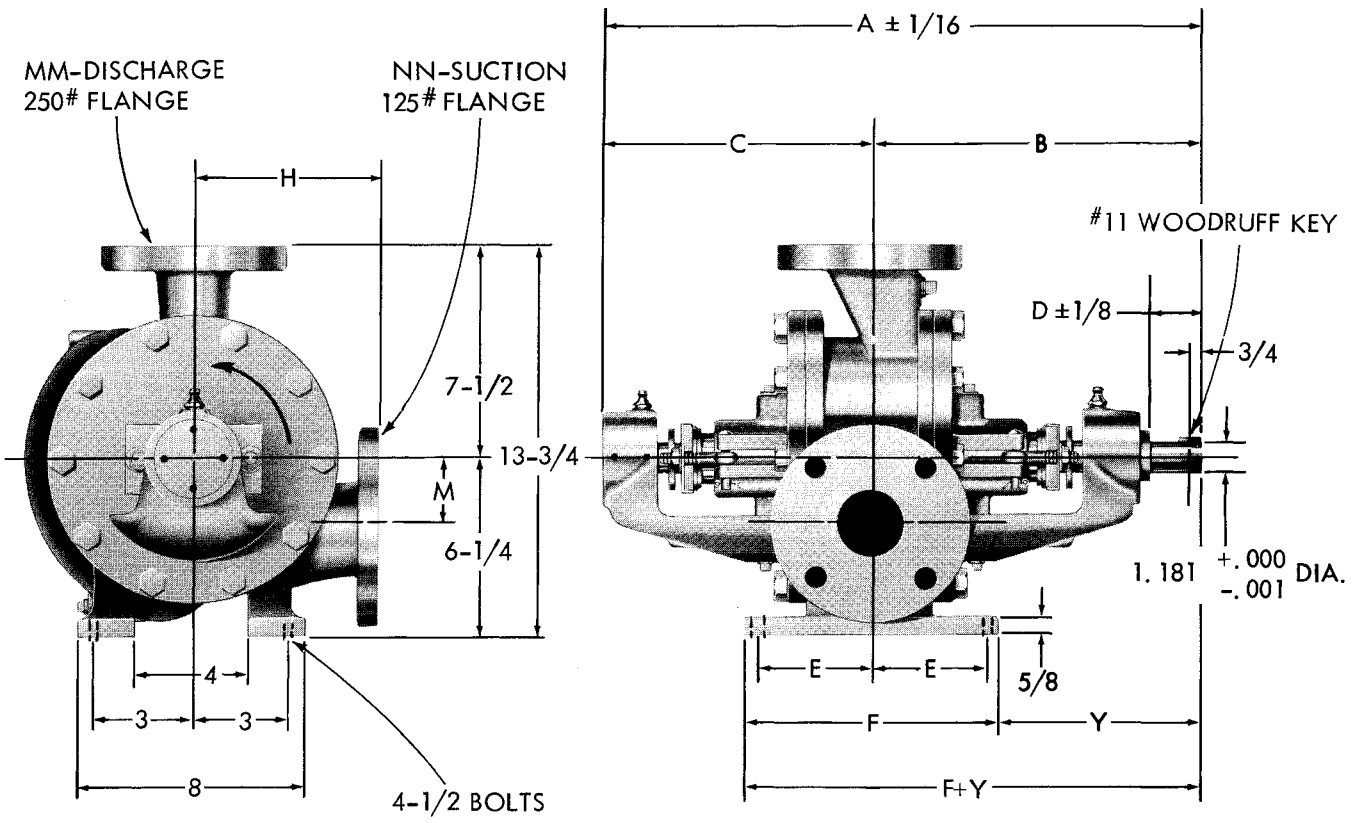
PUMP MODELS	A	B	C	D	E	F	H	J	K	L	M	N
D4T, E4T, F4T, G4T, I4T, I4TA	11-15/16	6-3/4	5-3/16	1-3/16	2-1/8	5-1/4	4-1/2	8-7/8	5-3/8	3-1/2	2	1/2
D5T, E5T, F5T, G5T, H5T, I5T	16-7/16	9-3/8	7-1/16	2	2-5/8	6-1/4	5-1/8	12-1/4	7-1/2	4-3/4	3-1/8	9/16

PUMP MODELS	P	Q	R	S	T	U	W	X	Y	SS	UU
D4T, E4T, F4T, G4T, I4T, I4TA	2-3/4	6-1/2	5/16	3/8	#3 WOODRUFF	.590	11/16	5/8	4-1/8	1-1/2	3
D5T, E5T, F5T, G5T, H5T, I5T	3-1/2	8	3/8	1/2	#6 WOODRUFF	.787	3/4	1/2	6-1/4	1-5/8	4

**NOTES:**

- All dimensions in inches.
- Dimensions may vary  $\pm 1/8$ .
- Not for construction purposes unless certified.

**TWO STAGE APCO PUMPS  
RIGHT HAND PUMP ILLUSTRATED**



PUMP MODEL	A	B	C	D	E	F	H	M	Y	MM	NN	F+Y
D6T, E6T, F6T	21-1/2	12-3/16	9-5/16	2-3/8	3-3/4	9	6-1/2	2-3/8	7-11/16	2	2-1/2	16-11/16
G6T, H6T, J6T, K6T	24-3/4	13-13/16	10-15/16	2-1/2	5-1/4	12	7	2	7-13/16	2-1/2	3	19-13/16

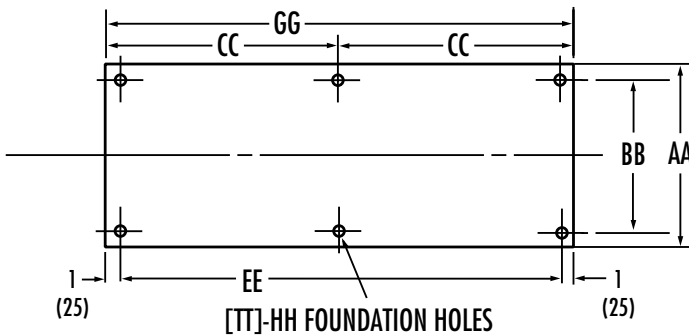
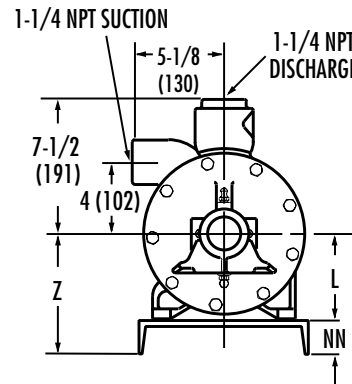
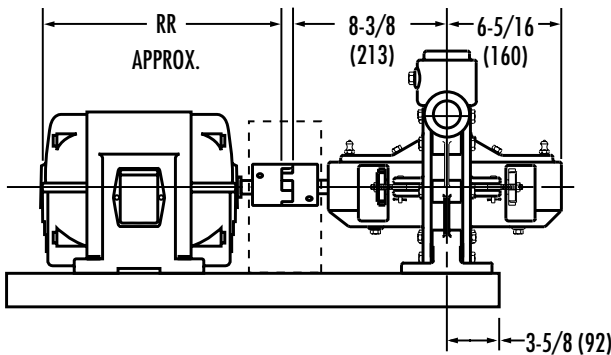
**NOTES:**

1. All dimensions in inches.
2. Dimensions may vary ± 1/8.
3. Not for construction purposes unless certified.
4. Flanges in accordance with 125# or 250# American Standard.

**TYPE 5R AND 5RS**

**SINGLE STAGE APCO PUMPS  
ON STEEL BASE**

<b>PUMP MODELS</b>	<b>D5</b>	<b>E5</b>	<b>F5</b>	<b>G5</b>	<b>H5</b>	<b>I5</b>
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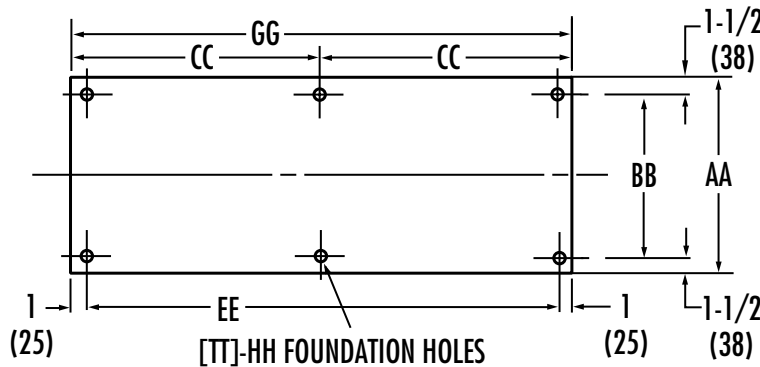
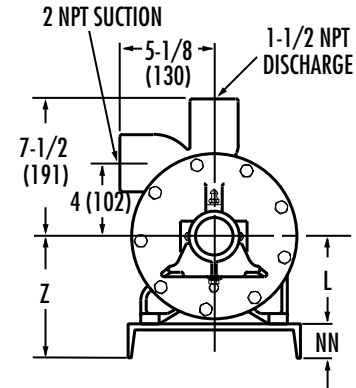
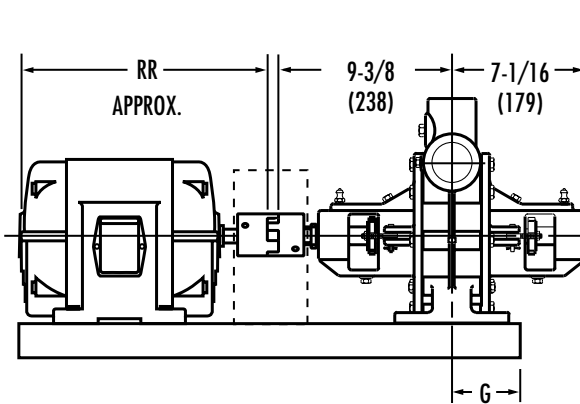
<b>FRAME</b>	<b>L</b>	<b>Z</b>	<b>AA</b>	<b>BB</b>	<b>CC</b>	<b>EE</b>	<b>GG</b>	<b>HH</b>	<b>NN</b>	<b>RR</b>	<b>TT</b>
<b>56</b>	4-3/4 (121)	7-1/4 (184)	9 (229)	7 (178)	10-1/2 (267)	-	21 (533)	1/2 (13)	2-1/2 (64)	13 (330)	2
<b>143T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	12 (305)	-	24 (610)	5/8 (16)	2-5/8 (67)	12 (305)	2
<b>145T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	12 (305)	-	24 (610)	5/8 (16)	2-5/8 (67)	13 (330)	2
<b>182T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	12 (305)	-	24 (610)	5/8 (16)	2-5/8 (67)	13 (330)	2
<b>184T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	14 (356)	2
<b>213T</b>	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	13-1/2 (343)	-	27 (686)	5/8 (16)	3 (76)	16 (406)	2
<b>215T</b>	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	15 (381)	-	30 (762)	5/8 (16)	3 (76)	18 (457)	2
<b>254T</b>	6-1/4 (159)	10-1/4 (260)	13 (330)	10 (254)	-	36 (914)	38 (965)	3/4 (19)	4 (102)	21 (533)	4
<b>256T</b>	6-1/4 (159)	10-1/4 (260)	13 (330)	10 (254)	-	36 (914)	38 (965)	3/4 (19)	4 (102)	23 (584)	4

**NOTES:**

1. All dimensions in inches (mm).
2. Dimensions may vary ± 1/8" (3).
3. Not for construction purposes unless certified.
4. Coupling gap may vary 1/8" (3) to 1" (25).
5. Conduit box is shown in approximate location. Capacitor, when furnished, normally appears on top of motor. Dimensions are not specified as they vary with each motor manufacturer.

**AURORA 115A SERIES**  
**TYPE 5RA AND 5RAS**  
 SINGLE STAGE APCO PUMPS  
 ON STEEL BASE

PUMP MODELS	J5	K5	L5	M5	N5	P5
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FRAME	G	L	Z	AA	BB	CC	EE	GG	HH	NN	RR	TT
143T	3-5/8 (92)	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	12 (305)	2
145T	3-5/8 (92)	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	13 (330)	2
182T	3-5/8 (92)	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	13 (330)	2
184T	3-5/8 (92)	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	14 (356)	2
213T	3-5/8 (92)	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	15 (381)	-	30 (762)	5/8 (16)	3 (76)	16 (406)	2
215T	3-5/8 (92)	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	15 (381)	-	30 (762)	5/8 (16)	3 (76)	18 (457)	2
254T	3-5/8 (92)	6-1/4 (159)	10-1/4 (260)	13 (330)	10 (254)	-	36 (914)	38 (965)	3/4 (19)	4 (102)	21 (533)	4
256T	3-5/8 (92)	6-1/4 (159)	10-1/4 (260)	13 (330)	10 (254)	-	36 (914)	38 (965)	3/4 (19)	4 (102)	23 (584)	4

**NOTES:**

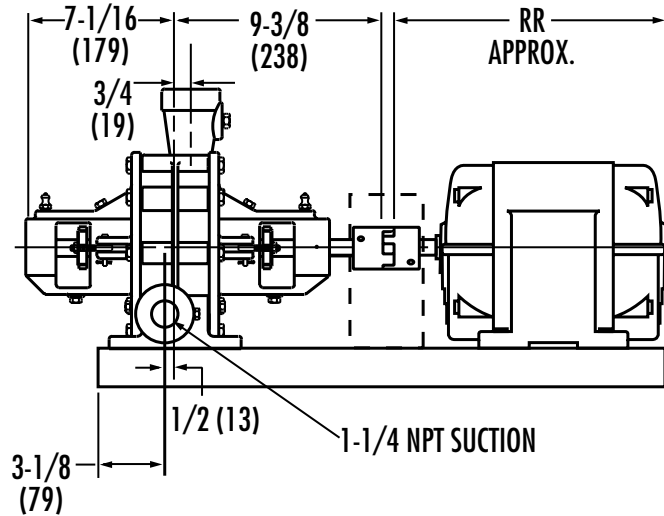
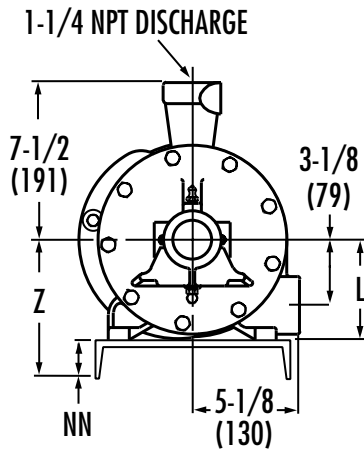
- All dimensions in inches (mm).
- Dimensions may vary  $\pm 1/8"$  (3).
- Not for construction purposes unless certified.
- Coupling gap may vary  $1/8"$  (3) to  $1"$  (25).
- Conduit box is shown in approximate location. Capacitor, when furnished, normally appears on top of motor. Dimensions are not specified as they vary with each motor manufacturer.

**AURORA 115A SERIES**

**TYPE 5RTL AND 5RTLS**

**TWO STAGE APCO PUMPS  
ON STEEL BASE**

<b>PUMP MODELS</b>	<b>D5T</b>	<b>E5T</b>	<b>F5T</b>	<b>G5T</b>	<b>H5T</b>	<b>I5T</b>
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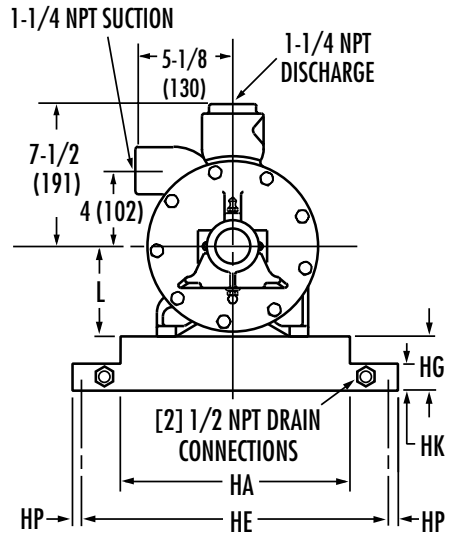
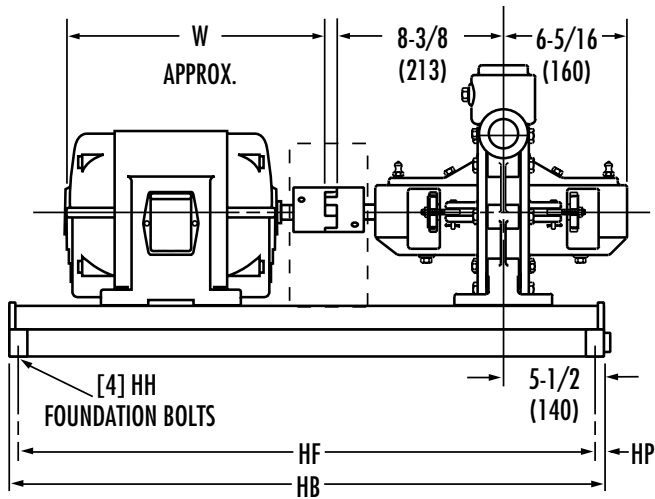
<b>FRAME</b>	<b>L</b>	<b>Z</b>	<b>AA</b>	<b>BB</b>	<b>CC</b>	<b>EE</b>	<b>GG</b>	<b>HH</b>	<b>NN</b>	<b>RR</b>	<b>TT</b>
<b>143T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	12 (305)	2
<b>145T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	13 (330)	2
<b>182T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	13 (330)	2
<b>184T</b>	4-3/4 (121)	7-3/8 (187)	10 (254)	7 (178)	13 (330)	-	26 (660)	5/8 (16)	2-5/8 (67)	14 (356)	2
<b>213T</b>	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	15 (381)	-	30 (762)	5/8 (16)	3 (76)	16 (406)	2
<b>215T</b>	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	15 (381)	-	30 (762)	5/8 (16)	3 (76)	18 (457)	2
<b>254T</b>	6-1/4 (159)	10-1/4 (260)	13 (330)	10 (254)	-	36 (914)	38 (965)	3/4 (19)	4 (102)	21 (533)	4
<b>256T</b>	6-1/4 (159)	10-1/4 (260)	13 (330)	10 (254)	-	36 (914)	38 (965)	3/4 (19)	4 (102)	23 (584)	4

**NOTES:**

1. All dimensions in inches (mm).
2. Dimensions may vary  $\pm 1/8"$  (3).
3. Not for construction purposes unless certified.
4. Coupling gap may vary  $1/8"$  (3) to  $1"$  (25).
5. Conduit box is located on the opposite side of the motor shown. Capacitor, when furnished, normally appears on top of motor. Dimensions are not specified as they vary with each motor manufacturer.

**SINGLE STAGE APCO PUMPS  
ON STEEL DRIP RIM BASE**

PUMP MODELS	D5	E5	F5	G5	H5	I5
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MOTOR FRAME	BASE NO.	L	W	MOTOR FRAME	BASE NO.	BASE SIZE	HA	HB	HE	HF	HG	HH	HK	HP
56	2	4-3/4 (121)	13 (330)	56	2	9 x 26	9 (229)	26-1/4 (667)	13-3/4 (349)	25-1/4 (641)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
143T	2	4-3/4 (121)	12 (305)	143T	2	9 x 26	9 (229)	26-1/4 (667)	13-3/4 (349)	25-1/4 (641)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
145T	2	4-3/4 (121)	13 (330)	145T	2	9 x 26	9 (229)	26-1/4 (667)	13-3/4 (349)	25-1/4 (641)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
182T	3	4-3/4 (121)	13 (330)	182T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
184T	3	4-3/4 (121)	14 (356)	184T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
213T	4	5-1/4 (133)	16 (406)	213T	4	11 x 30	11 (279)	30-1/2 (775)	15-7/8 (403)	29-1/8 (740)	3 (76)	7/8 (22)	1-1/2 (38)	11/16 (17)
215T	5	5-1/4 (133)	18 (457)	215T	5	11 x 36	11 (279)	36-1/2 (927)	15-7/8 (403)	35-1/8 (892)	3 (76)	7/8 (22)	1-1/2 (38)	11/16 (17)

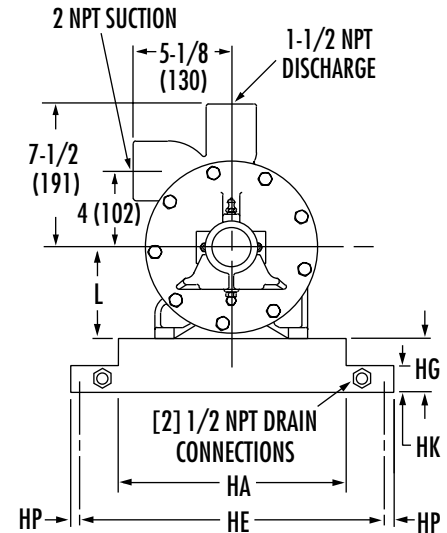
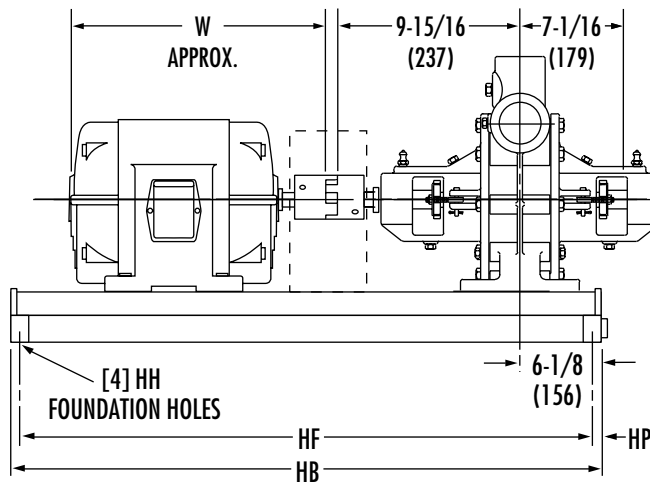
**NOTES:**

1. All dimensions in inches (mm).
2. Dimensions may vary  $\pm 1/8"$  (3).
3. Not for construction purposes unless certified.
4. Coupling gap may vary  $1/8"$  (3) to  $1"$  (25).
5. Conduit box is shown in approximate location. Capacitor, when furnished, normally appears on top of motor. Dimensions are not specified as they vary with each motor manufacturer.



**AURORA 115A SERIES  
TYPE 5RA AND 5RAS**  
SINGLE STAGE APCO PUMPS  
ON STEEL DRIP RIM BASE

PUMP MODELS	J5	K5	L5	M5	N5	P5
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RIGHT HAND PUMP ILLUSTRATED

MOTOR FRAME	BASE NO.	L	W	MOTOR FRAME	BASE NO.	BASE SIZE	HA	HB	HE	HF	HG	HH	HK	HP
143T	2	4-3/4 (121)	12 (305)	143T	2	9 x 26	9 (229)	26-1/2 (673)	13-3/4 (349)	25-1/4 (641)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
145T	3	4-3/4 (121)	13 (330)	145T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
182T	3	4-3/4 (121)	13 (330)	182T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
184T	3	4-3/4 (121)	14 (356)	184T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
213T	5	5-1/4 (133)	16 (406)	213T	5	11 x 36	11 (279)	36-1/2 (927)	15-7/8 (403)	35-1/8 (892)	3 (76)	7/8 (22)	1-1/2 (38)	11/16 (17)
215T	5	5-1/4 (133)	18 (457)	215T	5	11 x 36	11 (279)	36-1/2 (927)	15-7/8 (403)	35-1/8 (892)	3 (76)	7/8 (22)	1-1/2 (38)	11/16 (17)
254T	7	6-1/4 (159)	21 (533)	254T	7	14 x 36	14 (356)	36-1/2 (927)	19 (483)	35 (889)	3 (76)	1 (25)	1-1/2 (38)	3/4 (19)

NOTES:

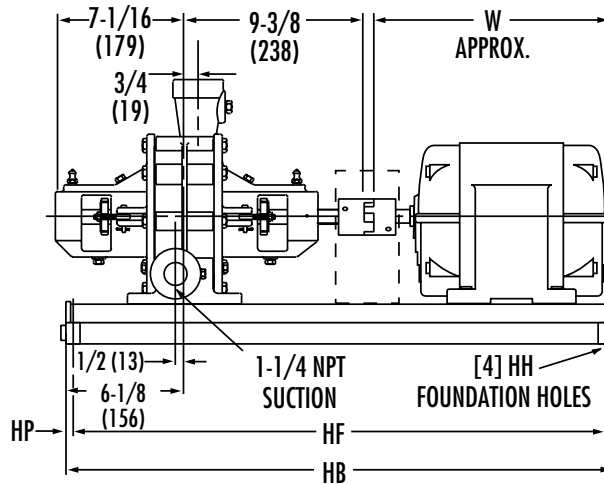
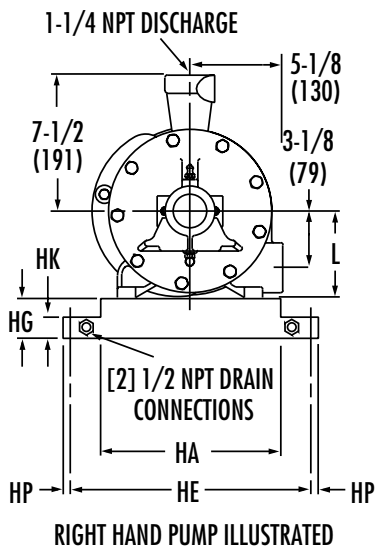
1. All dimensions in inches (mm).
2. Dimensions may vary  $\pm 1/8"$  (3).
3. Not for construction purposes unless certified.
4. Coupling gap may vary 1/8" (3) to 1" (25).
5. Conduit box is shown in approximate location. Capacitor, when furnished, normally appears on top of motor. Dimensions are not specified as they vary with each motor manufacturer.

**AURORA 115A SERIES**

**TYPE 5RTL AND 5RTLS**

TWO STAGE APCO PUMPS  
ON STEEL DRIP RIM BASE

PUMP MODELS	D5T	E5T	F5T	G5T	H5T	I5T
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MOTOR FRAME	BASE NO.	L	W	MOTOR FRAME	BASE NO.	BASE SIZE	HA	HB	HE	HF	HG	HH	HK	HP
143T	2	4-3/4 (121)	12 (305)	143T	2	9 x 26	9 (229)	26-1/4 (667)	13-3/4 (349)	25-1/4 (641)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
145T	3	4-3/4 (121)	13 (330)	145T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
182T	3	4-3/4 (121)	13 (330)	182T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
184T	3	4-3/4 (121)	14 (356)	184T	3	9 x 33	9 (229)	33-1/2 (851)	13-3/4 (349)	32-1/4 (819)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
213T	5	5-1/4 (133)	16 (406)	213T	5	11 x 36	11 (279)	36-1/2 (927)	15-7/8 (403)	35-1/8 (892)	3 (76)	7/8 (22)	1-1/2 (38)	11/16 (17)
215T	5	5-1/4 (133)	18 (457)	215T	5	11 x 36	11 (279)	36-1/2 (927)	15-7/8 (403)	35-1/8 (892)	3 (76)	7/8 (22)	1-1/2 (38)	11/16 (17)
254T	7	6-1/4 (159)	21 (533)	254T	7	14 x 36	14 (356)	36-1/2 (927)	19 (483)	35 (889)	3 (76)	1 (25)	1-1/2 (38)	3/4 (19)

NOTES:

1. All dimensions in inches (mm).
2. Dimensions may vary  $\pm 1/8"$  (3).
3. Not for construction purposes unless certified.
4. Coupling gap may vary  $1/8"$  (3) to  $1"$  (25).
5. Conduit box is shown in approximate location. Capacitor, when furnished, normally appears on top of motor. Dimensions are not specified as they vary with each motor manufacturer.

# AURORA SERIES 110

## SELECTION TABLE

1750 R.P.M.

Date **JANUARY 2003**

Supersedes Section 110 Page 395

Dated JULY 1969

### PUMP SIZES A35 THROUGH R4

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI (BARS) FEET (METERS)	4.4	8.6	13	17.3	21.5	26	30	34.5	43	50	54	65	73.5	86.5	49.5	108	130	151.5	173	195
			(0.3)	(0.6)	(0.9)	(1.2)	(1.5)	(1.8)	(2.1)	(2.4)	(3.0)	(3.4)	(3.7)	(4.5)	(5.1)	(6.0)	(6.4)	(7.4)	(9.0)	(10.4)	(11.9)	(13.4)
			10	20	30	40	50	60	70	80	100	115	125	150	170	200	230	250	300	350	400	450
			(3)	(6)	(9)	(12)	(15)	(18)	(21)	(24)	(31)	(35)	(38)	(46)	(52)	(61)	(70)	(76)	(91)	(107)	(122)	(137)
A35	G.P.M.		3.6	3.2	2.8	2.5	2.1	1.8	1.5	1.2												
	M <sup>3</sup> /HR		(0.8)	(0.7)	(0.6)	(0.6)	(0.5)	(0.4)	(0.3)	(0.3)												
	B.H.P.		.04	.05	.06	.07	.08	.09	.10	.11												
A4	G.P.M.		4.4	4.0	3.7	3.3	3.0	2.6	2.3	1.9	1.2											
	M <sup>3</sup> /HR		(1.0)	(0.9)	(0.8)	(0.7)	(0.7)	(0.6)	(0.5)	(0.4)	(0.3)											
	B.H.P.		.06	.08	.09	.11	.12	.14	.15	.17	.20											
B4	G.P.M.		2.5	2.3	2.0	1.8	1.6	1.4	1.2	1.0	.6											
	M <sup>3</sup> /HR		(0.6)	(0.5)	(0.5)	(0.4)	(0.4)	(0.3)	(0.3)	(0.2)	(0.1)											
	B.H.P.		.03	.04	.05	.06	.07	.08	.09	.10	.11											
C4	G.P.M.		6.2	5.6	5.4	4.6	4.4	4.2	3.4	3.2	2.3	1.5										
	M <sup>3</sup> /HR		(1.4)	(1.3)	(1.2)	(1.0)	(1.0)	(1.0)	(0.8)	(0.7)	(0.5)	(0.3)										
	B.H.P.		.08	.09	.10	.12	.13	.15	.18	.20	.25	.28										
D4	G.P.M.		8.3	7.7	7.3	6.6	6.2	5.6	5.1	4.7	3.7	2.9	2.5	1.2								
	M <sup>3</sup> /HR		(1.9)	(1.7)	(1.7)	(1.5)	(1.4)	(1.3)	(1.2)	(1.1)	(0.8)	(0.7)	(0.6)	(0.3)								
	B.H.P.		.12	.18	.20	.20	.23	.25	.30	.34	.40	.45	.49	.59								
E4	G.P.M.		10.2	9.9	9.4	9.0	8.5	8.0	7.5	7.1	6.2	5.5	5.0	3.7	2.8							
	M <sup>3</sup> /HR		(2.3)	(2.2)	(2.1)	(2.0)	(1.9)	(1.8)	(1.7)	(1.6)	(1.4)	(1.2)	(1.1)	(0.8)	(0.6)							
	B.H.P.		.22	.25	.28	.30	.32	.34	.38	.40	.46	.50	.54	.63	.71							
F4	G.P.M.		14.2	13.5	12.8	12.1	11.5	11.0	10.5	9.8	8.7	7.5	7.2	5.8	4.8	3.0						
	M <sup>3</sup> /HR		(3.2)	(3.1)	(2.9)	(2.7)	(2.6)	(2.5)	(2.4)	(2.2)	(2.0)	(1.7)	(1.6)	(1.3)	(1.1)	(0.7)						
	B.H.P.		.27	.29	.30	.35	.40	.42	.45	.50	.60	.70	.75	.83	.95	1.1						
G4	G.P.M.		17.5	16.8	15.9	15.0	14.5	13.7	13.0	12.4	11.0	10.2	9.5	7.9	6.5	4.9	3.0					
	M <sup>3</sup> /HR		(4.0)	(3.8)	(3.6)	(3.4)	(3.3)	(3.1)	(3.0)	(2.8)	(2.5)	(2.3)	(2.2)	(1.8)	(1.5)	(1.1)	(0.7)					
	B.H.P.		.25	.30	.35	.40	.42	.48	.50	.52	.70	.75	.80	1.0	1.2	1.4	1.5					
H4	G.P.M.		24.5	23.3	22.5	20.8	20.0	18.6	17.0	15.8	12.8	9.5	8.5									
	M <sup>3</sup> /HR		(5.6)	(5.3)	(5.1)	(4.7)	(4.5)	(4.2)	(3.9)	(3.6)	(2.9)	(2.2)	(1.9)									
	B.H.P.		.35	.40	.45	.60	.65	.70	.75	.80	.85	1.0	1.1									
I4	G.P.M.		27.5	26.2	25.0	24.0	23.0	21.2	20.0	18.9	16.1	14.5	13.0	10.0	7.0							
	M <sup>3</sup> /HR		(6.2)	(6.0)	(5.7)	(5.5)	(5.2)	(4.8)	(4.5)	(4.3)	(3.7)	(3.3)	(3.0)	(2.3)	(1.6)							
	B.H.P.		.40	.45	.50	.60	.70	.75	.85	.95	1.1	1.2	1.3	1.4	1.5							
I4A	G.P.M.		37.0	35.8	34.0	32.5	31.0	29.1	27.0	25.5	21.6	18.5	16.1	11.0								
	M <sup>3</sup> /HR		(8.4)	(8.1)	(7.7)	(7.4)	(7.0)	(6.6)	(6.1)	(5.8)	(4.9)	(4.2)	(3.7)	(2.5)								
	B.H.P.		.75	.90	.95	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.8								
M4	G.P.M.		51.0	48.0	45.2	43.0	40.0	36.5	33.2	30.0	22.0	16.0	10.0									
	M <sup>3</sup> /HR		(11.6)	(10.9)	(10.3)	(9.8)	(9.1)	(8.3)	(7.5)	(6.8)	(5.0)	(3.6)	(2.3)									
	B.H.P.		.80	1.0	1.2	1.3	1.4	1.5	1.6	1.75	2.0	2.3	2.5									
P4	G.P.M.		59.0	56.5	54.0	51.0	48.5	46.0	42.0	40.0	33.0	27.0	24.0	10.0								
	M <sup>3</sup> /HR		(13.4)	(12.8)	(12.3)	(11.6)	(11.0)	(10.4)	(9.5)	(9.1)	(7.5)	(6.1)	(5.5)	(2.3)								
	B.H.P.		1.0	1.1	1.2	1.4	1.5	1.7	1.8	1.9	2.2	2.5	2.6	3.0								
R4	G.P.M.		69.0	66.0	63.0	60.0	57.5	54.0	50.0	47.0	40.0	35.0	32.0	22.5	12.5							
	M <sup>3</sup> /HR		(15.7)	(15.0)	(14.3)	(13.6)	(13.1)	(12.3)	(11.4)	(10.7)	(9.1)	(7.9)	(7.3)	(5.1)	(2.8)							
	B.H.P.		1.2	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.5	3.0	3.2	3.5	3.8							

**NOTES:**

- Above table shows the operating range of each size pump based on 20 (6096.0) feet suction lift at sea level. Greater suction lift is permissible but the performance will be altered slightly.
- Two pumps can be connected in series, thereby developing twice the head of a single pump requiring twice the horsepower. Usually the arrangement calls for both pumps mounted on one side of the motor; however, by using an extended shaft motor one pump can be mounted on either side.
- Pump efficiency can be computed by this formula  

$$\frac{\text{G.P.M.} \times \text{total head for water} \times \text{specific gravity}}{3960 \times \text{B.H.P.}}$$
- Performance based on pumping clear water at normal temperatures.
- Liquids of higher viscosity than water require slightly additional B.H.P.; also pump capacity is slightly reduced. Where viscosity exceeds 600" Saybolt Universal, refer to factory for recommendations.

SUCTION & DISCHARGE SIZES		
PUMP SIZE	SUCTION	DISCHARGE
A35-14A	1-1/4 (32)	1-1/4 (32)
M4-R4	1-1/2 (38)	1-1/2 (38)

**AURORA SERIES 110**

SELECTION TABLE

1750 R.P.M.

PUMP SIZE D4T THROUGH I5

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI (BARS) FEET (METERS)	4.4	8.6	13	17.3	21.5	26	30	34.5	43	50	54	65	73.5	86.5	49.5	108	130	151.5	173	195	
			(0.3)	(0.6)	(0.9)	(1.2)	(1.5)	(1.8)	(2.1)	(2.4)	(3.0)	(3.4)	(3.7)	(4.5)	(5.1)	(6.0)	(6.0)	(3.4)	(7.4)	(9.0)	(10.4)	(11.9)	(13.4)
			10	20	30	40	50	60	70	80	100	115	125	150	170	200	230	250	300	350	400	450	
			(3)	(6)	(9)	(12)	(15)	(18)	(21)	(24)	(30)	(35)	(38)	(46)	(52)	(61)	(70)	(76)	(91)	(107)	(122)	(137)	
D4T	G.P.M.	8.7	8.4	8.2	7.7	7.6	7.4	7.2	6.8	6.4	6.0	5.7	5.1	4.6	3.9	3.2	2.7	1.5					
	M <sup>3</sup> /HR	(2.0)	(1.9)	(1.9)	(1.7)	(1.7)	(1.7)	(1.6)	(1.5)	(1.5)	(1.4)	(1.3)	(1.2)	(1.0)	(0.9)	(0.7)	(0.6)	(0.3)					
	B.H.P.	.30	.33	.37	.40	.41	.42	.44	.46	.48	.50	.56	.60	.65	.75	.85	.90	1.2					
E4T	G.P.M.	10.6	10.4	10.2	9.8	9.4	9.1	8.8	8.2	8.0	7.7	7.2	6.5	6.1	5.3	4.5	4.1	3.1	2.2	1.3			
	M <sup>3</sup> /HR	(2.4)	(2.4)	(2.3)	(2.2)	(2.1)	(2.1)	(2.0)	(1.9)	(1.8)	(1.7)	(1.6)	(1.5)	(1.4)	(1.2)	(1.0)	(0.9)	(0.7)	(0.5)	(0.3)			
	B.H.P.	.30	.35	.37	.40	.45	.49	.50	.51	.53	.60	.70	.80	.90	1.0	1.2	1.3	1.5	1.7	1.8			
F4T	G.P.M.	14.5	14.0	13.8	13.3	13.0	12.7	12.3	11.9	11.3	10.8	10.5	9.8	8.9	8.0	7.2	6.3	5.2	4.0	2.8	1.4		
	M <sup>3</sup> /HR	(3.3)	(3.2)	(3.1)	(3.0)	(3.0)	(2.9)	(2.8)	(2.7)	(2.6)	(2.5)	(2.4)	(2.2)	(2.0)	(1.8)	(1.6)	(1.4)	(1.2)	(0.9)	(0.6)	(0.3)		
	B.H.P.	.50	.58	.63	.70	.75	.80	.91	.95	.98	1.0	1.0	1.1	1.2	1.4	1.5	1.6	1.9	2.0	2.2	2.6		
G4T	G.P.M.	18.2	18.0	17.5	16.7	16.2	15.9	15.2	14.8	14.0	13.7	13.2	12.2	11.5	10.5	9.4	8.9	7.2	5.6	3.9	2.1		
	M <sup>3</sup> /HR	(4.1)	(4.1)	(4.0)	(3.8)	(3.7)	(3.6)	(3.5)	(3.4)	(3.2)	(3.1)	(3.0)	(2.8)	(2.6)	(2.4)	(2.1)	(2.0)	(1.6)	(1.3)	(0.9)	(0.5)		
	B.H.P.	.50	.55	.60	.70	.73	.75	.80	.90	1.0	1.0	1.1	1.2	1.3	1.4	1.7	1.8	2.0	2.3	2.8	3.0		
H4T	G.P.M.	25.0	24.5	23.7	23.0	22.5	21.5	21.0	20.5	19.2	18.0	17.5	16.0	14.2	12.0	9.5	7.8						
	M <sup>3</sup> /HR	(5.7)	(5.6)	(5.4)	(5.2)	(5.1)	(4.9)	(4.8)	(4.7)	(4.4)	(4.1)	(4.0)	(3.6)	(3.2)	(2.7)	(2.2)	(1.8)						
	B.H.P.	.70	.75	.80	.90	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.1	2.3						
I4T	G.P.M.	30.0	29.0	28.5	27.5	27.0	26.5	25.2	24.5	23.2	22.5	21.0	19.6	17.5	16.0	13.0	12.0	8.5					
	M <sup>3</sup> /HR	(6.8)	(6.6)	(6.5)	(6.2)	(6.1)	(6.0)	(5.7)	(5.6)	(5.3)	(5.1)	(4.8)	(4.5)	(4.0)	(3.6)	(3.0)	(2.7)	(1.9)					
	B.H.P.	.90	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.7	1.8	1.9	2.1	2.3	2.5	3.0					
I4TA	G.P.M.	38.5	37.5	36.5	36.0	35.0	34.5	33.5	33.0	31.0	30.0	29.0	26.5	25.0	21.2	17.0	15.5						
	M <sup>3</sup> /HR	(8.7)	(8.5)	(8.3)	(8.2)	(7.9)	(7.8)	(7.6)	(7.5)	(7.0)	(6.8)	(6.6)	(6.0)	(5.7)	(4.8)	(3.9)	(3.5)						
	B.H.P.	1.0	1.1	1.2	1.3	1.5	1.7	1.8	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.0	3.2						
D5	G.P.M.	6.7	6.6	6.4	6.3	6.2	6.0	5.8	5.7	5.4	5.1	5.0	4.5	4.2	3.7	3.2	2.7	2.0					
	M <sup>3</sup> /HR	(1.5)	(1.5)	(1.5)	(1.4)	(1.4)	(1.4)	(1.3)	(1.3)	(1.2)	(1.2)	(1.1)	(1.0)	(1.0)	(0.8)	(0.7)	(0.6)	(0.5)					
	B.H.P.	.45	.48	.50	.52	.54	.56	.58	.60	.65	.70	.72	.75	.78	.80	.90	1.0	1.2					
E5	G.P.M.	10.3	10.1	9.8	9.7	9.5	9.3	9.1	8.9	8.5	8.2	7.9	7.3	7.0	6.3	5.6	5.3	4.2	3.2	2.1			
	M <sup>3</sup> /HR	(2.3)	(2.3)	(2.2)	(2.2)	(2.2)	(2.1)	(2.1)	(2.0)	(1.9)	(1.9)	(1.8)	(1.7)	(1.6)	(1.4)	(1.3)	(1.2)	(1.0)	(0.7)	(0.5)			
	B.H.P.	.55	.56	.58	.59	.60	.63	.67	.70	.75	.78	.80	.85	.90	1.0	1.1	1.2	1.3	1.5	1.7			
F5	G.P.M.	17.6	17.0	16.5	16.0	15.6	15.2	14.5	14.0	13.0	12.2	11.8	10.5	9.5	8.0	6.5	5.5	3.0					
	M <sup>3</sup> /HR	(4.0)	(3.9)	(3.7)	(3.6)	(3.5)	(3.5)	(3.3)	(3.2)	(3.0)	(2.8)	(2.7)	(2.4)	(2.2)	(1.8)	(1.5)	(1.2)	(0.7)					
	B.H.P.	.40	.43	.47	.50	.55	.60	.70	.75	.90	1.0	1.0	1.2	1.3	1.5	1.7	1.8	2.0					
G5	G.P.M.	22.0	21.5	21.0	20.5	20.0	19.4	19.0	18.5	18.0	17.0	16.8	15.5	14.5	13.0	12.0	10.5	8.3	6.3	3.5			
	M <sup>3</sup> /HR	(5.0)	(4.9)	(4.8)	(4.7)	(4.5)	(4.4)	(4.3)	(4.2)	(4.1)	(3.9)	(3.8)	(3.5)	(3.3)	(3.0)	(2.7)	(2.4)	(1.9)	(1.4)	(0.8)			
	B.H.P.	.80	.83	.87	.90	.95	.98	1.0	1.0	1.1	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.2	2.8	3.2			
H5	G.P.M.	24.0	23.7	23.5	23.1	23.0	22.6	22.1	21.8	21.2	20.8	19.4	18.5	17.6	16.5	15.4	14.5	12.5	10.5				
	M <sup>3</sup> /HR	(5.5)	(5.4)	(5.3)	(5.2)	(5.2)	(5.1)	(5.0)	(5.0)	(4.8)	(4.7)	(4.4)	(4.2)	(4.0)	(3.7)	(3.5)	(3.3)	(2.8)	(2.4)				
	B.H.P.	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.8	1.9	2.0	2.3	2.5	2.9	3.3				
I5	G.P.M.	37.2	36.6	36.0	35.5	35.0	34.0	33.5	33.0	32.0	31.0	30.0	28.5	27.0	25.2	23.0	22.2	19.0	16.0				
	M <sup>3</sup> /HR	(8.4)	(8.3)	(8.2)	(8.1)	(7.9)	(7.7)	(7.6)	(7.5)	(7.3)	(7.0)	(6.8)	(6.5)	(6.1)	(5.7)	(5.2)	(5.0)	(4.3)	(3.6)				
	B.H.P.	1.2	1.3	1.3	1.4	1.5	1.7	2.0	2.3	2.4	2.4	2.5	2.7	2.9	3.3	3.7	3.8	4.0	5.0				

NOTES:

- Above table shows the operating range of each size pump based on 20 (6096.0) feet suction lift at sea level. Greater suction lift is permissible but the performance will be altered slightly.
- Two pumps can be connected in series, thereby developing twice the head of a single pump requiring twice the horsepower. Usually the arrangement calls for both pumps mounted on one side of the motor; however, by using an extended shaft motor one pump can be mounted on either side.
- Pump efficiency can be computed by this formula  

$$\frac{\text{G.P.M.} \times \text{total head for water} \times \text{specific gravity}}{3960 \times \text{B.H.P.}}$$
- Performance based on pumping clear water at normal temperatures.
- Liquids of higher viscosity than water require slightly additional B.H.P.; also pump capacity is slightly reduced. Where viscosity exceeds 600" Saybolt Universal, refer to factory for recommendations.

SUCTION & DISCHARGE SIZES		
PUMP SIZE	SUCTION	DISCHARGE
D4T-I5	1-1/4 (32)	1-1/4 (32)

PUMP SIZES J5 THROUGH I5T

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI (BARS)	4.4	8.6	13	17.3	21.5	26	30	34.5	43	50	54	65	73.5	86.5	99.5	108	130	151.5	173	195	216.5	238
			(0.3)	(0.6)	(0.9)	(1.2)	(1.5)	(1.8)	(2.1)	(2.4)	(3.0)	(3.4)	(3.7)	(4.5)	(5.1)	(6.0)	(6.9)	(7.4)	(9.0)	(10.4)	(11.9)	(13.4)	(14.9)	(16.4)
		FEET (METERS)	10 (3)	20 (6)	30 (9)	40 (12)	50 (15)	60 (18)	70 (21)	80 (24)	100 (30)	115 (35)	125 (38)	150 (46)	170 (52)	200 (61)	230 (70)	250 (76)	300 (91)	350 (107)	400 (122)	450 (137)	500 (152)	550 (168)
J5	G.P.M.	43.5	43.0	42.0	41.5	40.5	39.5	38.2	37.6	36.0	35.0	33.5	31.2	30.0	27.0	23.5	21.5	18.0	13.0	8.0				
	M <sup>3</sup> /HR	(9.9)	(9.8)	(9.5)	(9.4)	(9.2)	(9.0)	(8.7)	(8.5)	(8.2)	(7.9)	(7.6)	(7.1)	(6.8)	(6.1)	(5.3)	(4.9)	(4.1)	(3.0)	(1.8)				
	B.H.P.	1.3	1.3	1.4	1.4	1.5	1.8	2.0	2.1	2.4	2.5	2.7	2.9	3.4	3.7	4.0	4.5	5.0	5.5	6.2				
K5	G.P.M.	53.0	52.0	51.0	50.0	48.5	47.0	46.5	45.5	43.5	42.0	41.0	37.5	36.0	33.0	29.0	27.5	22.5	17.0	12.0	6.0			
	M <sup>3</sup> /HR	(12.0)	(11.8)	(11.6)	(11.4)	(11.0)	(10.7)	(10.6)	(10.3)	(9.9)	(9.5)	(9.3)	(8.5)	(8.2)	(7.5)	(6.6)	(6.2)	(5.1)	(3.9)	(2.7)	(1.4)			
	B.H.P.	1.3	1.4	1.5	1.7	2.0	2.3	2.4	2.5	2.6	2.7	2.9	3.1	3.5	4.0	4.8	5.0	5.9	6.5	7.5	8.2			
L5	G.P.M.	72.5	71.0	68.0	67.0	65.0	63.0	62.0	60.5	58.0	55.0	53.0	50.0	47.0	43.0	39.0	37.0	31.0	24.0	18.0				
	M <sup>3</sup> /HR	(16.5)	(16.1)	(15.4)	(15.2)	(14.8)	(14.3)	(14.1)	(13.7)	(13.2)	(12.5)	(12.0)	(11.4)	(10.7)	(9.8)	(8.9)	(8.4)	(7.0)	(5.5)	(4.1)				
	B.H.P.	2.0	2.2	2.4	2.5	2.6	2.8	3.0	3.2	3.7	3.8	4.0	4.8	5.2	5.6	6.7	7.0	8.0	9.0	10.5				
M5	G.P.M.	82.0	78.0	76.0	72.0	69.0	67.0	62.0	58.0	50.0	40.0	30.0												
	M <sup>3</sup> /HR	(18.6)	(17.7)	(17.3)	(16.4)	(15.7)	(15.2)	(14.1)	(13.2)	(11.4)	(9.1)	(6.8)												
	B.H.P.	1.3	1.5	1.7	1.9	2.0	2.1	2.4	2.6	3.0	3.4	3.7												
N5	G.P.M.	108.0	103.0	98.0	92.5	87.0	82.0	76.0	72.0	63.0	56.0	51.0	40.0	34.0	18.0									
	M <sup>3</sup> /HR	(24.5)	(23.4)	(22.3)	(21.0)	(19.8)	(18.6)	(17.3)	(16.4)	(14.3)	(12.7)	(11.6)	(9.1)	(7.7)	(4.1)									
	B.H.P.	1.3	1.4	1.9	2.3	2.6	2.7	3.0	3.5	4.0	4.4	5.0	6.0	6.2	7.0									
P5	G.P.M.	148.0	142.0	136.0	132.0	127.0	121.0	116.0	111.0	100.0	93.0	86.0	75.0	64.0	45.0									
	M <sup>3</sup> /HR	(33.6)	(32.2)	(30.9)	(30.0)	(28.8)	(27.5)	(26.3)	(25.2)	(22.7)	(21.1)	(19.5)	(17.0)	(14.5)	(10.2)									
	B.H.P.	2.3	2.5	3.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.5	8.0	10.0									
D5T	G.P.M.	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.4	5.0	4.9	4.5	4.2	3.7	3.2	2.9	2.4	
	M <sup>3</sup> /HR	(1.6)	(1.5)	(1.5)	(1.5)	(1.5)	(1.5)	(1.4)	(1.4)	(1.4)	(1.3)	(1.3)	(1.3)	(1.3)	(1.2)	(1.1)	(1.1)	(1.0)	(1.0)	(0.8)	(0.7)	(0.7)	(0.5)	
	B.H.P.	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.7	1.9	1.9	2.0	
E5T	G.P.M.	10.3	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.3	9.0	8.8	8.7	8.4	8.0	7.6	7.5	6.9	6.2	5.7	4.9	4.3	3.7	
	M <sup>3</sup> /HR	(2.3)	(2.3)	(2.3)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.1)	(2.0)	(2.0)	(2.0)	(1.9)	(1.8)	(1.7)	(1.7)	(1.6)	(1.4)	(1.3)	(1.1)	(1.0)	(0.8)	
	B.H.P.	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.4	2.7	2.8	
F5T	G.P.M.	17.5	17.3	17.0	16.8	16.5	16.2	15.6	15.4	15.0	14.6	14.2	13.5	12.8	12.1	11.4	10.8	9.3	7.9	6.2	5.0	3.5	2.0	
	M <sup>3</sup> /HR	(4.0)	(3.9)	(3.9)	(3.8)	(3.7)	(3.7)	(3.5)	(3.5)	(3.4)	(3.3)	(3.2)	(3.1)	(2.9)	(2.7)	(2.6)	(2.5)	(2.1)	(1.8)	(1.4)	(1.1)	(0.8)	(0.5)	
	B.H.P.	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.5	1.6	1.8	1.9	2.0	2.1	2.5	2.7	3.1	3.4	3.8	3.9	
G5T	G.P.M.	22.3	22.0	21.7	21.5	21.2	21.0	20.9	20.5	20.0	19.5	19.1	18.8	18.3	17.5	16.8	16.2	15.0	13.7	12.5	11.5	10.0	8.8	
	M <sup>3</sup> /HR	(5.1)	(5.0)	(4.9)	(4.9)	(4.8)	(4.8)	(4.7)	(4.7)	(4.5)	(4.3)	(4.3)	(4.3)	(4.2)	(4.0)	(3.8)	(3.7)	(3.4)	(3.1)	(2.8)	(2.6)	(2.3)	(2.0)	
	B.H.P.	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.9	3.1	3.5	4.0	4.5	5.0	
H5T	G.P.M.	24.5	24.2	24.0	23.7	23.5	23.2	23.0	22.8	22.5	22.3	21.9	21.2	21.0	20.3	19.2	18.9	17.9	17.0	16.0	14.5	13.5	12.5	
	M <sup>3</sup> /HR	(5.6)	(5.5)	(5.5)	(5.4)	(5.3)	(5.3)	(5.2)	(5.2)	(5.1)	(5.1)	(5.0)	(4.8)	(4.8)	(4.6)	(4.4)	(4.3)	(4.1)	(3.9)	(3.6)	(3.3)	(3.1)	(2.8)	
	B.H.P.	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.5	3.6	4.0	4.2	4.5	5.0	5.2	6.0	
I5T	G.P.M.	37.6	37.5	37.1	36.4	36.5	36.0	36.0	35.5	34.5	33.2	32.6	32.0	31.9	31.0	28.5	28.0	27.0	25.0	23.0	21.3	19.0	17.2	
	M <sup>3</sup> /HR	(8.5)	(8.5)	(8.4)	(8.3)	(8.3)	(8.2)	(8.2)	(8.1)	(7.8)	(7.5)	(7.4)	(7.3)	(7.2)	(7.0)	(6.5)	(6.4)	(6.1)	(5.7)	(5.2)	(4.8)	(4.3)	(3.9)	
	B.H.P.	2.2	2.2	2.3	2.5	2.7	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.5	3.9	4.0	4.3	5.0	6.0	7.1	8.0	

NOTES:

- Above table shows the operating range of each size pump based on 20 (6096.0) feet suction lift at sea level. Greater suction lift is permissible but the performance will be altered slightly.
- Two pumps can be connected in series, thereby developing twice the head of a single pump requiring twice the horsepower. Usually the arrangement calls for both pumps mounted on one side of the motor; however, by using an extended shaft motor one pump can be mounted on either side.
- Pump efficiency can be computed by this formula  

$$\frac{\text{G.P.M.} \times \text{total head for water} \times \text{specific gravity}}{3960 \times \text{B.H.P.}}$$
- Performance based on pumping clear water at normal temperatures.
- Liquids of higher viscosity than water require slightly additional B.H.P.; also pump capacity is slightly reduced. Where viscosity exceeds 600" Saybolt Universal, refer to factory for recommendations.

SUCTION & DISCHARGE SIZES		
PUMP SIZE	SUCTION	DISCHARGE
J5-P5	2 (51)	1-1/2 (38)
D5T-I5T	1-1/4 (32)	1-1/4 (32)

**AURORA SERIES 110**

SELECTION TABLE

1750 R.P.M.

PUMP SIZES G6 THROUGH KGT

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI	4.4	8.6	13	17.3	21.5	26	30	34.5	43	50	54	65	73.5	86.5	99.5	108	130	151.5	173	195	216.5	238
		(BARS)	(0.3)	(0.6)	(0.9)	(1.2)	(1.5)	(1.8)	(2.1)	(2.4)	(3.0)	(3.4)	(3.7)	(4.5)	(5.1)	(6.0)	(6.9)	(7.4)	(9.0)	(10.4)	(11.9)	(13.4)	(14.9)	(16.4)
		FEET (METERS)	10 (3)	20 (6)	30 (9)	40 (12)	50 (15)	60 (18)	70 (21)	80 (24)	100 (30)	115 (35)	125 (38)	150 (46)	170 (52)	200 (61)	230 (70)	250 (76)	300 (91)	350 (107)	400 (122)	450 (137)	500 (152)	550 (168)
G6	G.P.M.	105.0	102.0	97.0	92.5	90.0	88.0	83.0	80.0	74.0	69.0	67.0	60.5	56.0	50.0	42.0	40.0	30.0						
	M <sup>3</sup> /HR	(23.8)	(23.2)	(22.0)	(21.0)	(20.4)	(20.0)	(18.8)	(18.2)	(16.8)	(15.7)	(15.2)	(13.7)	(12.7)	(11.4)	(9.5)	(9.1)	(6.8)						
	B.H.P.	1.8	1.9	2.1	2.3	2.5	2.7	3.0	3.5	4.0	5.0	5.1	6.0	7.0	7.5	7.9	8.0	10.1						
H6	G.P.M.	131.0	127.0	123.0	118.0	116.0	111.0	109.0	102.0	98.0	93.0	89.0	81.0	75.0	60.0	30.0								
	M <sup>3</sup> /HR	(29.8)	(28.8)	(27.9)	(26.8)	(26.3)	(25.2)	(24.8)	(23.2)	(22.3)	(21.1)	(20.2)	(18.4)	(17.0)	(13.6)	(6.8)								
	B.H.P.	2.0	2.4	2.6	2.9	3.0	3.2	3.5	3.9	4.8	5.4	5.9	7.0	7.6	8.4	9.9								
J6	G.P.M.	174.0	167.0	157.0	151.0	146.0	141.0	135.0	128.0	120.0	111.0	108.0	97.5	87.0	73.0	58.0								
	M <sup>3</sup> /HR	(39.5)	(37.9)	(35.7)	(34.3)	(33.2)	(32.0)	(30.7)	(29.1)	(27.3)	(25.2)	(24.5)	(22.1)	(19.8)	(16.6)	(13.2)								
	B.H.P.	2.9	3.2	3.5	3.8	4.2	4.9	5.3	6.0	6.8	7.4	8.0	8.6	10.0	12.0	12.3								
K6	G.P.M.	203.0	191.0	178.0	170.0	163.0	157.0	152.0	145.0	135.0	130.0	124.0	114.0	106.0	98.0	69.0								
	M <sup>3</sup> /HR	(46.1)	(43.4)	(40.4)	(38.6)	(37.0)	(35.7)	(34.5)	(32.9)	(30.7)	(29.5)	(28.2)	(25.9)	(24.1)	(22.3)	(15.7)								
	B.H.P.	3.0	3.5	4.0	4.5	5.0	5.5	5.9	6.5	7.5	8.0	8.3	9.8	10.5	11.5	13.0								
D6T	G.P.M.	48.5	47.7	47.0	46.0	45.0	44.6	44.0	43.2	42.2	40.5	39.5	38.6	37.9	36.5	34.5	32.8	31.0	28.0	26.3	23.2	21.5	18.3	
	M <sup>3</sup> /HR	(11.0)	(10.8)	(10.7)	(10.4)	(10.2)	(10.1)	(10.0)	(9.8)	(9.6)	(9.2)	(9.0)	(8.8)	(8.6)	(8.3)	(7.8)	(7.4)	(7.0)	(6.4)	(6.0)	(5.3)	(4.9)	(4.2)	
	B.H.P.	1.3	1.5	1.8	2.0	2.2	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.5	3.7	4.0	4.7	5.2	5.5	6.5	7.2	7.9	
E6T	G.P.M.	64.0	63.0	62.5	62.0	60.5	59.0	58.0	57.5	56.5	55.5	55.0	52.5	51.0	49.0	46.0	45.0	41.5	39.0	36.0	32.0	29.0	26.0	
	M <sup>3</sup> /HR	(14.5)	(14.3)	(14.2)	(14.1)	(13.7)	(13.4)	(13.2)	(13.1)	(12.8)	(12.6)	(12.5)	(11.9)	(11.6)	(11.1)	(10.4)	(10.2)	(9.4)	(8.9)	(8.2)	(7.3)	(6.6)	(5.9)	
	B.H.P.	2.0	2.5	3.0	3.5	4.0	4.5	4.9	5.2	5.5	5.7	5.9	6.2	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	15.0	
F6T	G.P.M.	68.5	68.0	67.5	67.0	66.0	65.0	64.0	63.0	62.0	61.0	60.5	59.0	57.5	55.0	52.5	51.0	47.0	43.0	39.0	34.0	30.0	23.0	
	M <sup>3</sup> /HR	(15.6)	(15.4)	(15.3)	(15.2)	(15.0)	(14.8)	(14.5)	(14.3)	(14.1)	(13.9)	(13.7)	(13.4)	(13.1)	(12.5)	(11.9)	(11.6)	(10.7)	(9.8)	(8.9)	(7.7)	(6.8)	(5.2)	
	B.H.P.	6.2	6.5	6.7	6.0	7.0	7.2	7.4	7.5	7.6	7.6	7.6	8.0	8.1	8.2	8.5	9.5	10.0	11.0	12.0	13.0	13.5	14.9	
G6T	G.P.M.	103.0	101.0	100.0	98.0	94.0	92.0	91.0	89.0	87.0	84.0	82.0	78.0	75.0	72.0	67.5	65.0	59.0	52.5	48.0	43.0	37.0	32.0	
	M <sup>3</sup> /HR	(23.4)	(22.9)	(22.7)	(22.3)	(21.3)	(20.9)	(20.7)	(20.2)	(19.8)	(19.1)	(18.6)	(17.7)	(17.0)	(16.4)	(15.3)	(14.8)	(13.4)	(11.9)	(10.9)	(9.8)	(8.4)	(7.3)	
	B.H.P.	2.5	2.8	3.1	3.5	3.9	4.1	4.3	4.7	5.5	5.8	6.0	7.0	7.8	8.5	9.5	10.0	12.0	13.5	14.5	15.9	17.0	19.5	
H6T	G.P.M.	128.0	125.0	123.0	121.0	120.0	118.0	117.0	114.0	110.5	108.0	105.0	102.0	98.0	94.0	89.0	85.0	78.0	62.0	43.0	27.0			
	M <sup>3</sup> /HR	(29.1)	(28.4)	(27.9)	(27.5)	(27.3)	(26.8)	(26.6)	(25.9)	(25.1)	(24.5)	(23.8)	(23.2)	(22.3)	(21.3)	(20.2)	(19.3)	(17.7)	(14.1)	(9.8)	(6.1)			
	B.H.P.	3.5	3.9	4.5	4.8	5.0	5.2	5.7	6.0	6.5	7.0	7.5	8.0	8.5	9.8	11.0	11.5	13.0	15.2	17.3	18.0			
J6T	G.P.M.	175.0	170.0	165.0	161.0	157.5	152.0	150.0	148.0	140.5	137.0	134.0	127.0	122.0	116.0	109.0	104.0	95.0	83.0	70.5	55.0	32.0		
	M <sup>3</sup> /HR	(39.7)	(38.6)	(37.5)	(36.6)	(35.8)	(34.5)	(34.1)	(33.6)	(31.9)	(31.1)	(30.4)	(28.8)	(27.7)	(26.3)	(24.8)	(23.6)	(21.6)	(18.8)	(16.0)	(12.5)	(7.3)		
	B.H.P.	5.0	5.5	5.9	6.2	6.5	7.0	7.5	8.0	9.0	9.8	10.0	10.5	12.0	13.0	14.5	15.0	17.0	19.5	22.0	24.5	26.0		
K6T	G.P.M.	206.0	202.0	195.0	189.0	183.0	180.0	176.0	170.0	164.0	159.0	155.0	149.0	140.0	135.0	127.0	124.0	114.0	105.0	95.0	78.0	31.0		
	M <sup>3</sup> /HR	(46.8)	(45.9)	(44.3)	(42.9)	(41.6)	(40.9)	(40.0)	(38.6)	(37.2)	(36.1)	(35.2)	(33.8)	(31.8)	(30.7)	(28.8)	(28.2)	(25.9)	(23.8)	(21.6)	(17.7)	(7.0)		
	B.H.P.	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	12.5	14.0	15.0	17.0	17.5	19.8	22.0	24.0	26.0	26.0		

NOTES:

- Above table shows the operating range of each size pump based on 20 (6096.0) feet suction lift at sea level. Greater suction lift is permissible but the performance will be altered slightly.
- Two pumps can be connected in series, thereby developing twice the head of a single pump requiring twice the horsepower. Usually the arrangement calls for both pumps mounted on one side of the motor; however, by using an extended shaft motor one pump can be mounted on either side.
- Pump efficiency can be computed by this formula  

$$\frac{\text{G.P.M.} \times \text{total head for water} \times \text{specific gravity}}{3960 \times \text{B.H.P.}}$$
- Performance based on pumping clear water at normal temperatures.
- Liquids of higher viscosity than water require slightly additional B.H.P.; also pump capacity is slightly reduced. Where viscosity exceeds 600" Saybolt Universal, refer to factory for recommendations.

SUCTION & DISCHARGE SIZES		
PUMP SIZE	SUCTION	DISCHARGE
G6-K6	3 (76)	2-1/2 (63)
D6T-F6T	2-1/2 (63)	2 (51)
G6T-K6T	3 (76)	2-1/2 (64)