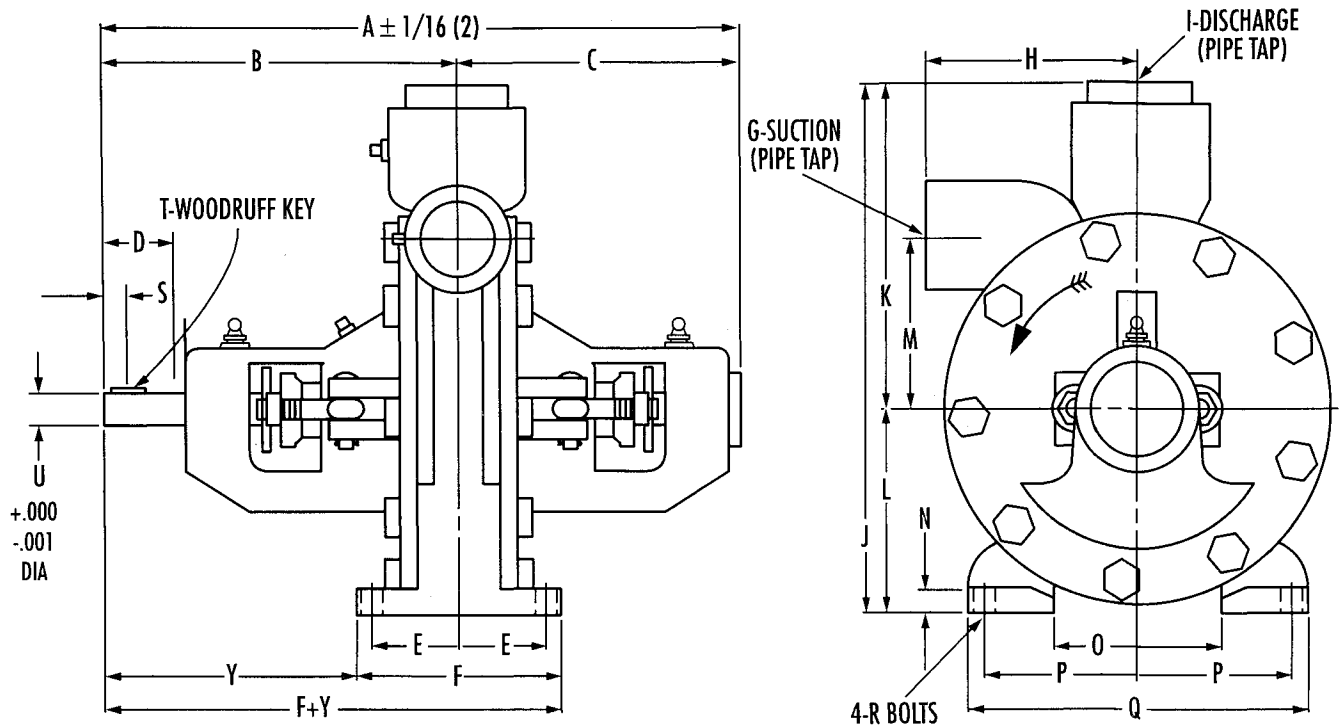


AURORA TYPE 4R, 4RS, 4RA, 4RAS, 5R, 5RS, 5RA, & 5RAS SERIES

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)

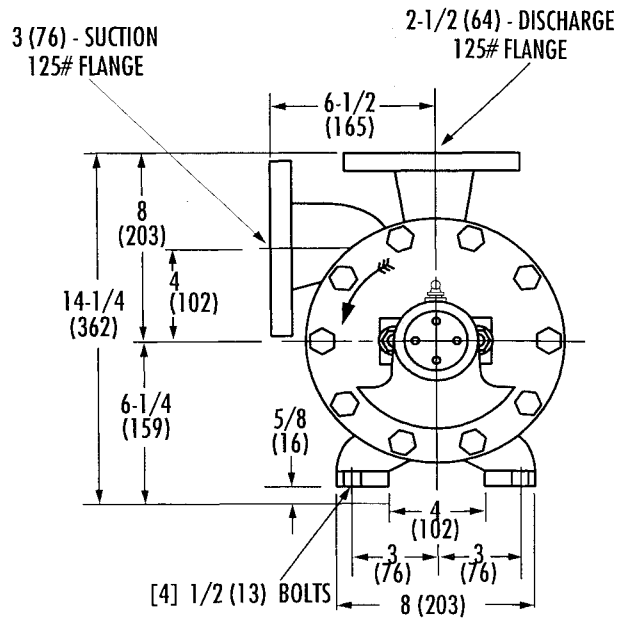
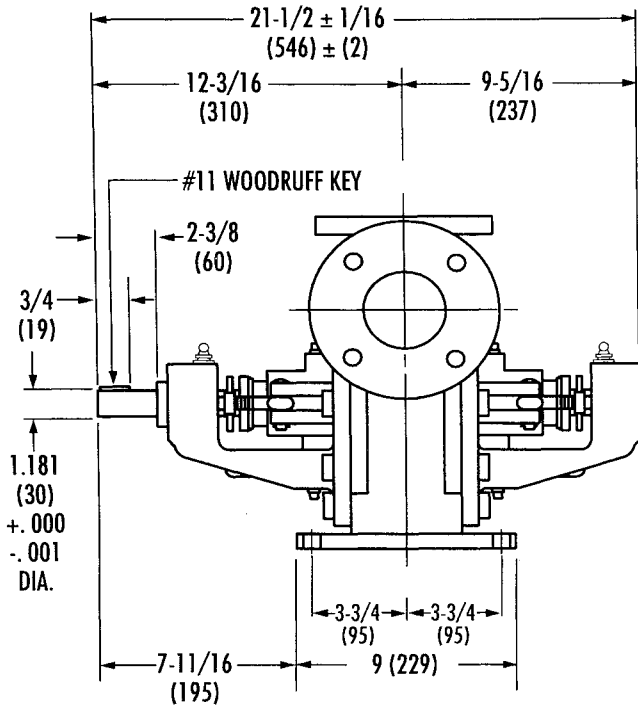
PUMP MODELS	N	O	P	Q	R	S	T	U	Y	F+Y
A35, A4, B4, C4, D4, E4 F4, G4, H4, I4, I4A	1/2 (13)	3 (76)	2-3/4 (70)	6-1/2 (165)	5/16 (8)	3/8 (10)	#404	.590 (15)	3-11/16 (94)	8-3/16 (208)
M4, P4, R4	1/2 (13)	3 (76)	2-3/4 (70)	6-1/2 (165)	5/16 (8)	1/2 (13)	#505	.787 (20)	5-1/2 (140)	10-3/4 (273)
D5, E5, F5, G5, H5, 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



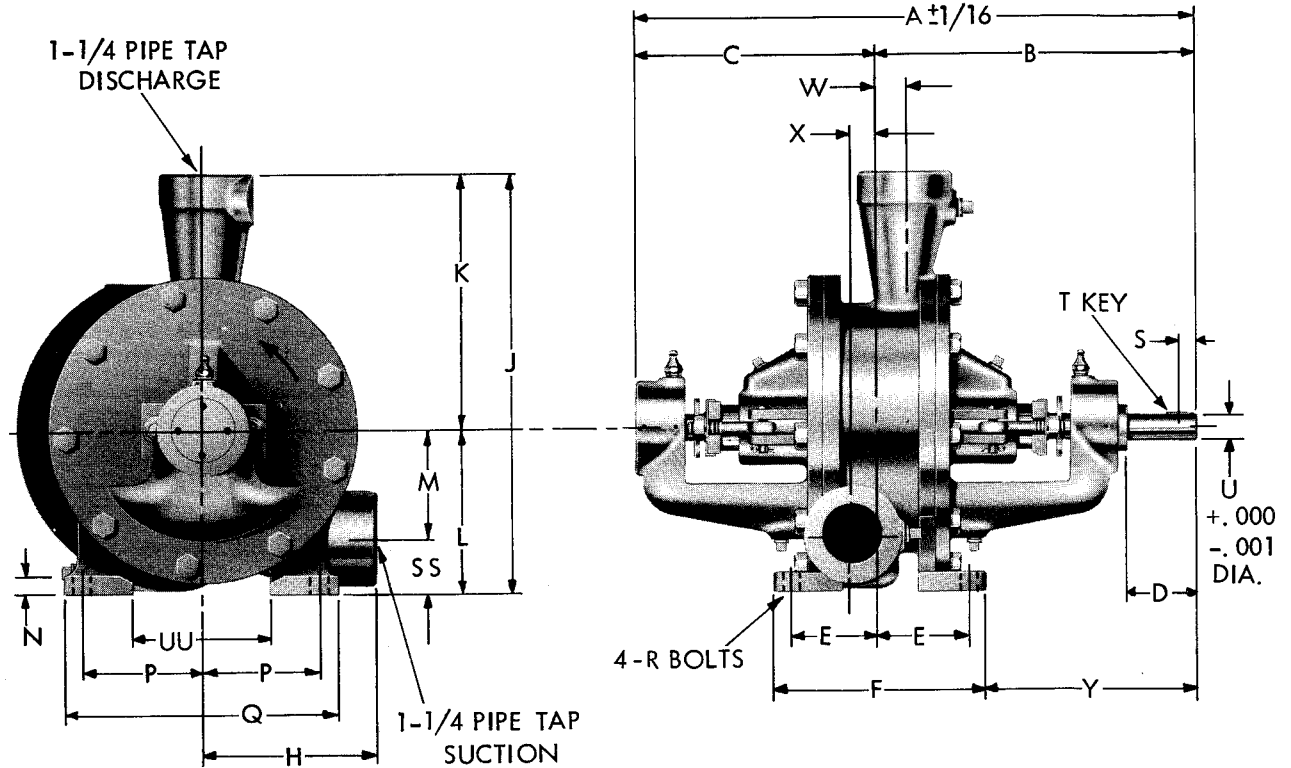
PUMP MODEL	G6	H6	J6	K6
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NOTES:

1. All dimensions in inches (mm).
2. Dimensions may vary \pm 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



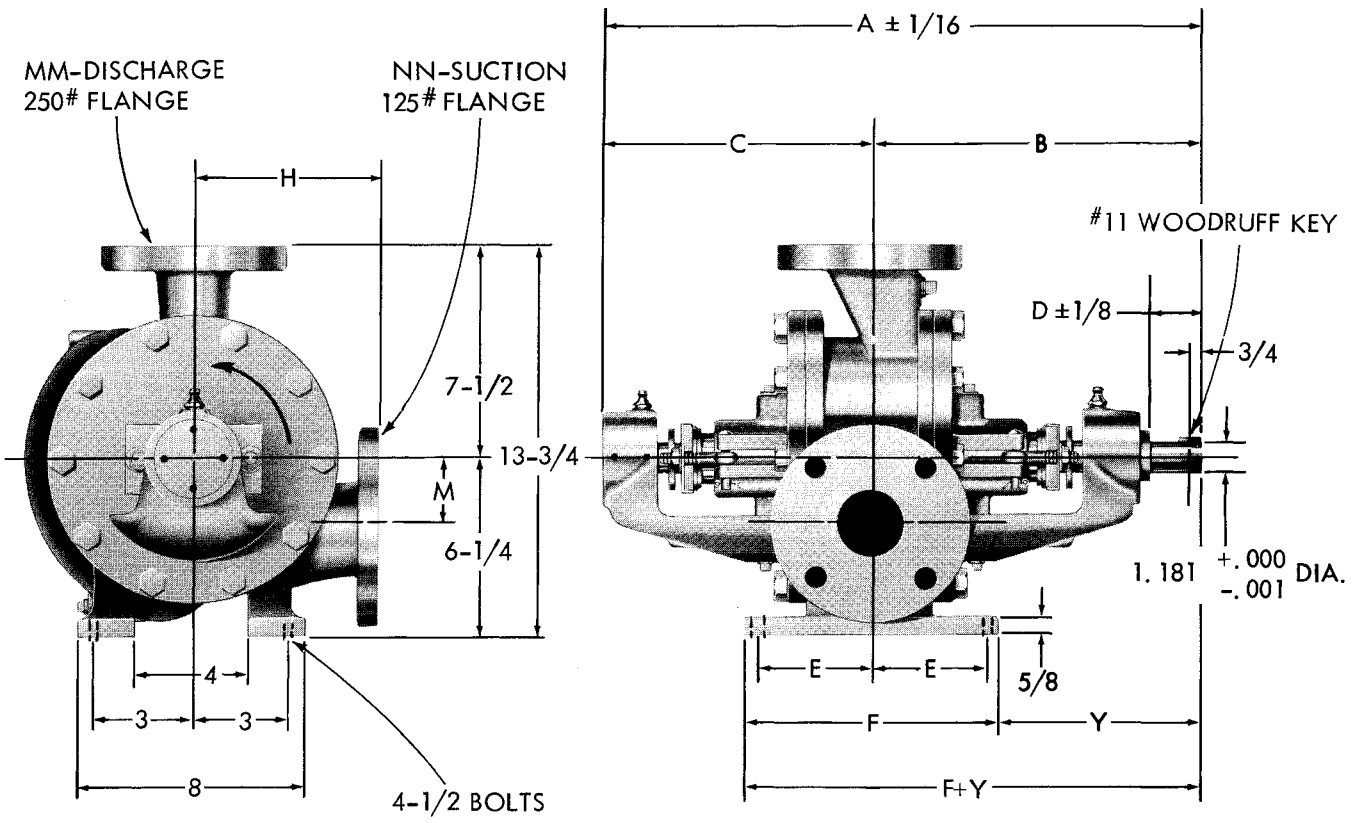
PUMP MODELS	A	B	C	D	E	F	H	J	K	L	M	N
D4T, E4T, F4T, G4T, I4T, I4TA	11-15/16	6-3/4	5-3/16	1-3/16	2-1/8	5-1/4	4-1/2	8-7/8	5-3/8	3-1/2	2	1/2
D5T, E5T, F5T, G5T, H5T, I5T	16-7/16	9-3/8	7-1/16	2	2-5/8	6-1/4	5-1/8	12-1/4	7-1/2	4-3/4	3-1/8	9/16

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 ± 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

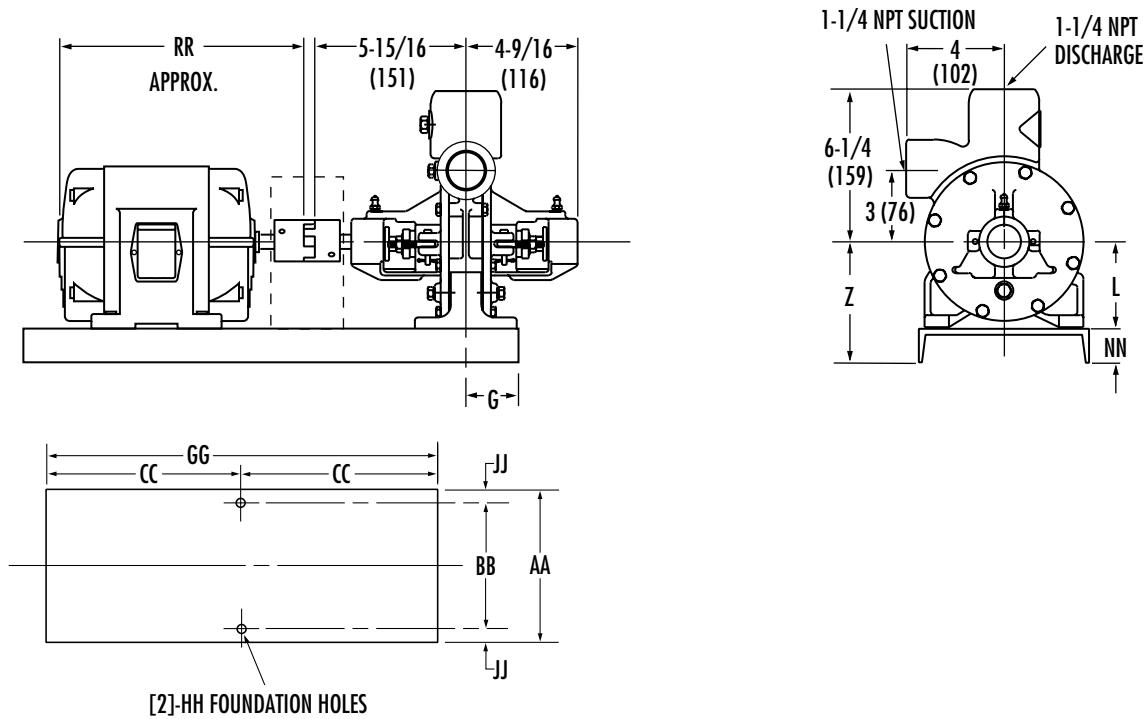
NOTES:

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.

AURORA 114A SERIES TYPE 4R AND 4RS

SINGLE STAGE APCO PUMPS ON STEEL BASE

PUMP MODELS	A35	A4	B4	C4	D4	E4	F4	G4	H4	I4	I4A
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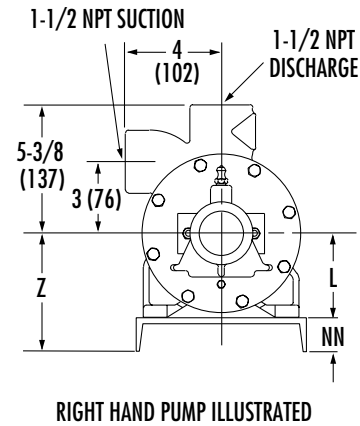
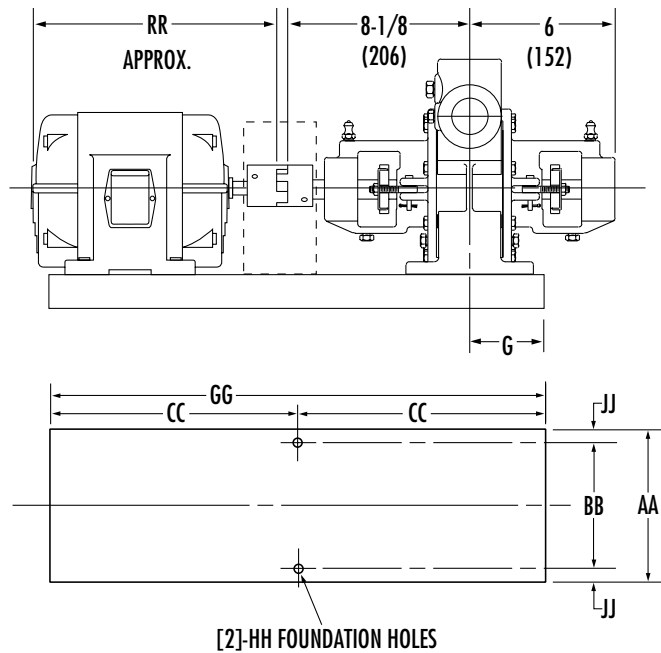
FRAME	G	L	Z	AA	BB	CC	GG	HH	JJ	NN	RR
56	2-3/4 (70)	3-1/2 (89)	5-1/2 (140)	7 (178)	5 (127)	9 (229)	18 (457)	1/2 (13)	1 (25)	2 (51)	13 (330)
143T	2-3/4 (70)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	10-1/2 (267)	21 (533)	1/2 (13)	1 (25)	2-1/2 (64)	12 (305)
145T	2-3/4 (70)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	10-1/2 (267)	21 (533)	1/2 (13)	1 (25)	2-1/2 (64)	13 (330)
182T	2-3/4 (70)	4-1/2 (114)	7-1/8 (181)	10 (254)	7 (178)	12 (305)	24 (610)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	13 (330)
184T	2-3/4 (70)	4-1/2 (114)	7-1/8 (181)	10 (254)	7 (178)	12 (305)	24 (610)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	14 (356)
213T	2-3/4 (70)	5-1/4 (133)	7-5/8 (194)	10 (254)	7 (178)	13 (330)	26 (660)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	16 (406)
215T	2-3/4 (70)	5-1/4 (133)	7-5/8 (194)	10 (254)	7 (178)	13 (330)	26 (660)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	18 (457)

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 114A SERIES
TYPE 4RA AND 4RAS
SINGLE STAGE APCO PUMPS
ON STEEL BASE

PUMP MODELS	M4	P4	R4
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FRAME	G	L	Z	AA	BB	CC	GG	HH	JJ	NN	RR
56	3-3/8 (86)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	10-1/2 (267)	21 (533)	1/2 (13)	1 (25)	2-1/2 (64)	13 (330)
143T	3-3/8 (86)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	12 (305)	24 (610)	1/2 (13)	1 (25)	2-1/2 (64)	12 (305)
145T	3-3/8 (86)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	12 (305)	24 (610)	1/2 (13)	1 (25)	2-1/2 (64)	13 (330)
182T	3-3/8 (86)	4-1/2 (114)	7-1/8 (181)	10 (254)	7 (178)	12 (305)	24 (610)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	13 (330)
184T	3-3/8 (86)	4-1/2 (114)	7-1/8 (181)	10 (254)	7 (178)	12 (305)	24 (610)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	14 (356)
213T	3-3/8 (86)	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	13-1/2 (343)	27 (686)	5/8 (16)	1-1/2 (38)	3 (76)	16 (406)
215T	3-3/8 (86)	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	13-1/2 (343)	27 (686)	5/8 (16)	1-1/2 (38)	3 (76)	18 (457)

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 114A SERIES TYPE 4RTL AND 4RTLS

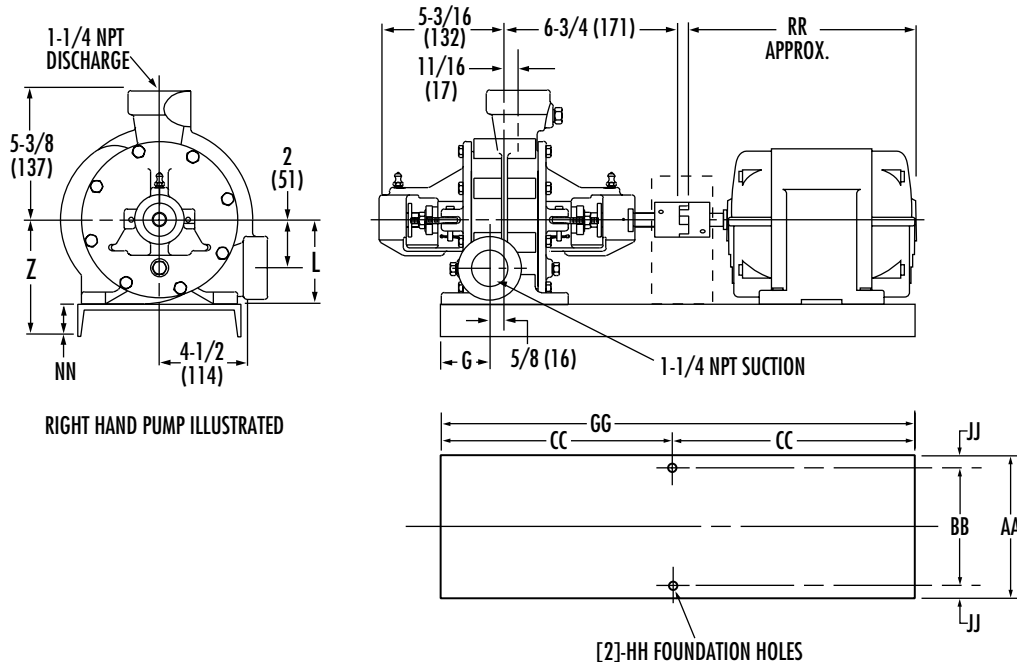
TWO STAGE APCO PUMPS
ON STEEL BASE

Section **110** Page **253**

Date **JULY 1999**

Supersedes Section 110 Page 253
Dated FEBRUARY 1999

PUMP MODELS	D4T	E4T	F4T	G4T	I4T	I4TA
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FRAME	G	L	Z	AA	BB	CC	GG	HH	JJ	NN	RR
56	2-1/8 (54)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	10-1/2 (267)	21 (533)	1/2 (13)	1 (25)	2-1/2 (64)	13 (330)
143T	2-1/8 (54)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	10-1/2 (267)	21 (533)	1/2 (13)	1 (25)	2-1/2 (64)	12 (305)
145T	2-1/8 (54)	3-1/2 (89)	6 (152)	9 (229)	7 (178)	10-1/2 (267)	21 (533)	1/2 (13)	1 (25)	2-1/2 (64)	13 (330)
182T	3 (76)	4-1/2 (114)	7-1/8 (181)	10 (254)	7 (178)	12 (305)	24 (610)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	13 (330)
184T	3 (76)	4-1/2 (114)	7-1/8 (181)	10 (254)	7 (178)	12 (305)	24 (610)	5/8 (16)	1-1/2 (38)	2-5/8 (67)	14 (356)
213T	3 (76)	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	13-1/2 (343)	27 (686)	5/8 (16)	1-1/2 (38)	3 (76)	16 (406)
215T	3 (76)	5-1/4 (133)	8-1/4 (210)	12 (305)	9 (229)	13-1/2 (343)	27 (686)	5/8 (16)	1-1/2 (38)	3 (76)	18 (457)

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 114A SERIES

TYPE 4R AND 4RS

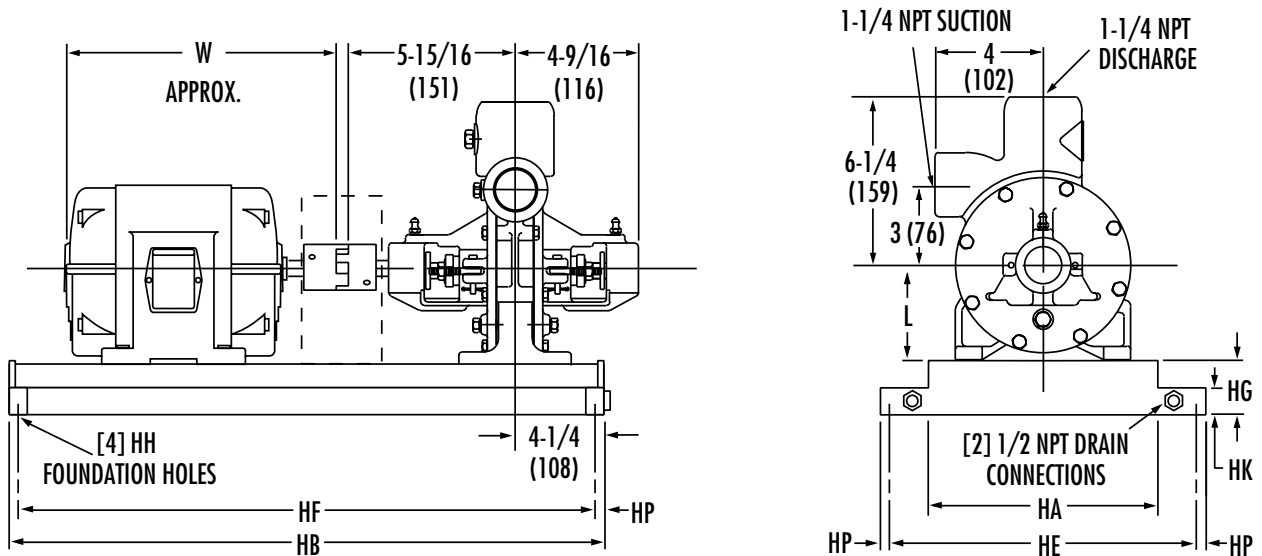
SINGLE STAGE APCO PUMPS ON STEEL DRIP RIM BASE

Section **110** Page **301**

Date **JULY 1999**

Supersedes Section 110 Page 301
Dated FEBRUARY 1999

PUMP MODELS	A35	A4	B4	C4	D4	E4	F4	G4	H4	I4	I4A
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RIGHT HAND PUMP ILLUSTRATED

MOTOR FRAME	BASE NO.	L	W
48	1	3-1/2 (89)	10 (254)
56	1	3-1/2 (89)	13 (330)
143T	1	3-1/2 (89)	11 (279)
145T	1	3-1/2 (89)	12 (305)
182T	2	4-1/2 (114)	13 (330)
184T	2	4-1/2 (114)	14 (356)

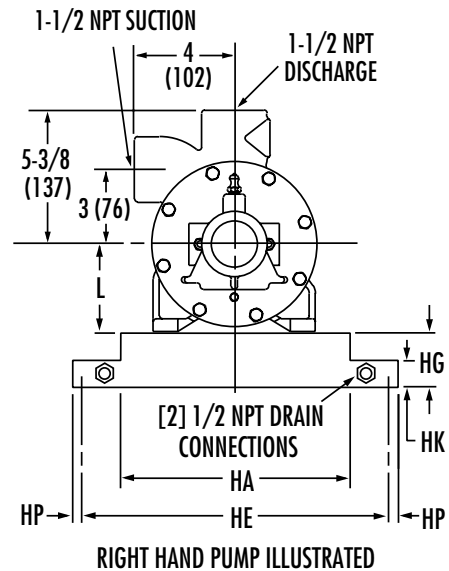
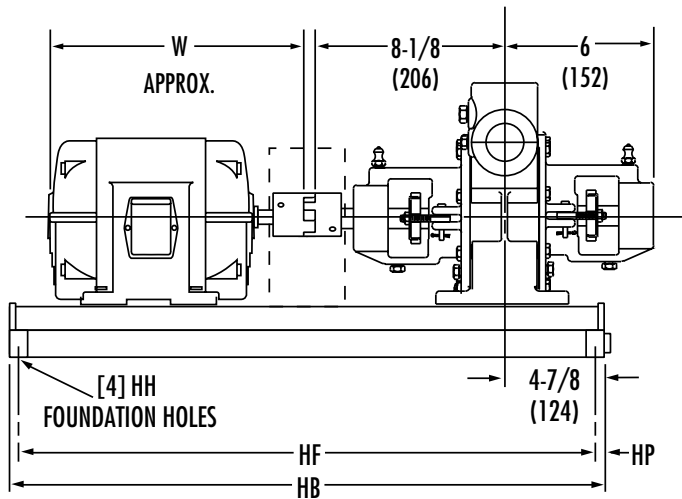
MOTOR FRAME	BASE NO.	BASE SIZE	HA	HB	HE	HF	HG	HH	HK	HP
48	1	9 x 22	9 (229)	22-1/2 (572)	13-3/4 (349)	21-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
56	1	9 x 22	9 (229)	22-1/2 (572)	13-3/4 (349)	21-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
143T	1	9 x 22	9 (229)	22-1/2 (572)	13-3/4 (349)	21-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
145T	1	9 x 22	9 (229)	22-1/2 (572)	13-3/4 (349)	21-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
182T	2	9 x 26	9 (229)	26-1/2 (673)	13-3/4 (349)	25-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
184T	2	9 x 26	9 (229)	26-1/2 (673)	13-3/4 (349)	25-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)

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 114A SERIES
TYPE 4RA AND 4RAS
SINGLE STAGE APCO PUMPS
ON STEEL DRIP RIM BASE

PUMP MODELS	M4	P4	R4
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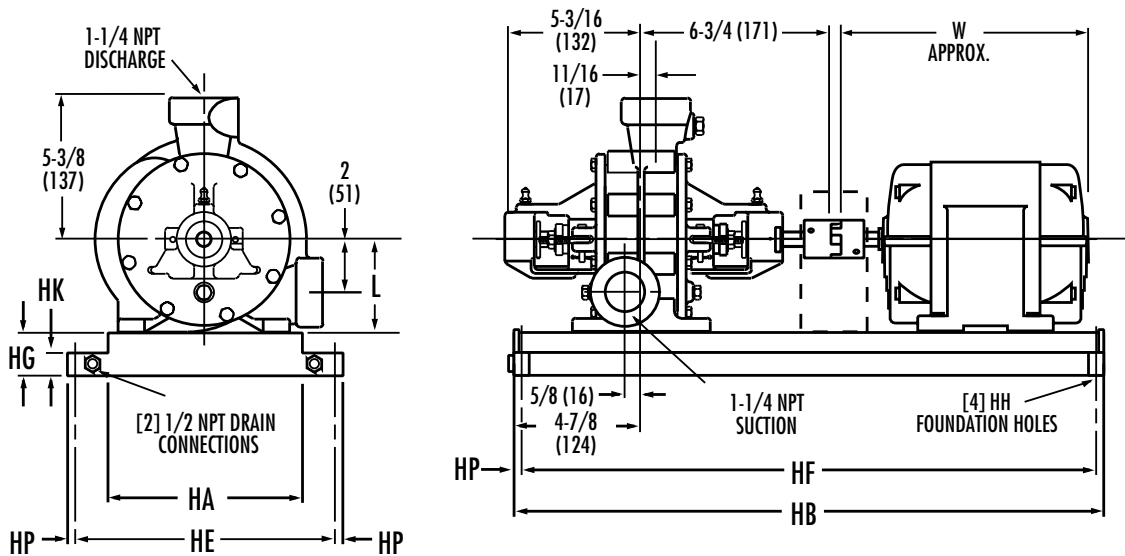
MOTOR FRAME	BASE NO.	L	W	MOTOR FRAME	BASE NO.	BASE SIZE	HA	HB	HE	HF	HG	HH	HK	HP
56	1	3-1/2 (89)	13 (330)	56	1	9 x 22	9 (229)	22-1/2 (572)	13-3/4 (349)	21-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
143T	2	3-1/2 (89)	11 (279)	143T	2	9 x 26	9 (229)	26-1/2 (673)	13-3/4 (349)	25-1/4 (641)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
145T	2	3-1/2 (89)	12 (305)	145T	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)
182T	2	4-1/2 (114)	13 (330)	182T	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)
184T	3	4-1/2 (114)	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)

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 114A SERIES
TYPE 4RTL AND 4RTLS**
TWO STAGE APCO PUMPS
ON STEEL DRIP RIM BASE

PUMP MODELS	D4T	E4T	F4T	G4T	I4T	I4TA
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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	1	3-1/2 (89)	13 (330)	56	1	9 x 22	9 (229)	22-1/2 (572)	13-3/4 (349)	21-1/4 (540)	3 (76)	3/4 (19)	1-1/2 (38)	5/8 (16)
143T	2	3-1/2 (89)	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	2	3-1/2 (89)	13 (330)	145T	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)
182T	2	4-1/2 (114)	13 (330)	182T	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)
184T	2	4-1/2 (114)	14 (356)	184T	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)

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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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:

1. 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.
2. 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.
3. Pump efficiency can be computed by this formula

$$\frac{\text{G.P.M.} \times \text{total head for water} \times \text{specific gravity}}{3960 \times \text{B.H.P.}}$$
4. Performance based on pumping clear water at normal temperatures.
5. 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)	(6.4)	(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		
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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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	20	30	40	50	60	70	80	100	115	125	150	170	200	230	250	300	350	400	450	500	550
			(3)	(6)	(9)	(12)	(15)	(18)	(21)	(24)	(30)	(35)	(38)	(46)	(52)	(61)	(70)	(76)	(91)	(107)	(122)	(137)	(152)	(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 ³ /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 ³ /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 ³ /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	3.0	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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 K6T

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)	(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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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	70.0	62.0	43.0	27.0			
	M ³ /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 ³ /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 ³ /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)