AURORA SERIES 110

SELECTION TABLE
1750 R.P.M.

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Dated JULY 1969

PUMP SIZES A35 THROUGH R4

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI (BARS)	4.4 (0.3)	8.6 (0.6)	13 (0.9)	17.3 (1.2)	21.5 (1.5)	26 (1.8)	30 (2.1)	34.5 (2.4)	43 (3.0)	50 (3.4)	54 (3.7)	65 (4.5)	73.5 (5.1)	86.5 (6.0)	49.5 (3.4)	108 (7.4)	130 (9.0)	151.5 (10.4)	173 (11.9)	195 (13.4)
		FEET (METERS)	10 (3)	20 (6)	30 (9)	40 (12)	50 (15)	60 (18)	70 (21)	80 (24)	100 (31)	115 (35)	125 (38)	150 (46)	170 (52)	200 (61)	230 (70)	250 (76)	300 (91)	350 (107)	400 (122)	450 (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							

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)

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
$$\frac{\text{G.P.M. x total head for water x specific gravity}}{3960 \times \text{B.H.P.}}$$
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.

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Dated JULY 1969

AURORA SERIES 110

SELECTION TABLE
1750 R.P.M.

PUMP SIZE D4T THROUGH I5

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI (BARS)	4.4 (0.3)	8.6 (0.6)	13 (0.9)	17.3 (1.2)	21.5 (1.5)	26 (1.8)	30 (2.1)	34.5 (2.4)	43 (3.0)	50 (3.4)	54 (3.7)	65 (4.5)	73.5 (5.1)	86.5 (6.0)	49.5 (3.4)	108 (7.4)	130 (9.0)	151.5 (10.4)	173 (11.9)	195 (13.4)
		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)
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:

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.
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3. Pump efficiency can be computed by this formula
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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**
D4T-I5	1-1/4 (32)	1-1/4 (32)

AURORA®
Pentair Pump Group

AURORA SERIES 110

SELECTION TABLE
1750 R.P.M.

PUMP SIZES J5 THROUGH I5T

PUMP SIZE	TOTAL DYNAMIC HEAD	PSI (BARS)	4.4 (0.3)	8.6 (0.6)	13 (0.9)	17.3 (1.2)	21.5 (1.5)	26 (1.8)	30 (2.1)	34.5 (2.4)	43 (3.0)	50 (3.4)	54 (3.7)	65 (4.5)	73.5 (5.1)	86.5 (6.0)	99.5 (6.9)	108 (7.4)	130 (9.0)	151.5 (10.4)	173 (11.9)	195 (13.4)	216.5 (14.9)	238 (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^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	3.2	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	1.1	1.1	1.1	1.2	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	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	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	36.2	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	3.1	3.1	3.5	3.9	4.0	4.3	5.0	6.0	7.1	7.5	8.0

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
   $$\frac{\text{G.P.M. x total head for water x specific gravity}}{3960 \times \text{B.H.P.}}$$
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**
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 (BARS)	4.4 (0.3)	8.6 (0.6)	13 (0.9)	17.3 (1.2)	21.5 (1.5)	26 (1.8)	30 (2.1)	34.5 (2.4)	43 (3.0)	50 (3.4)	54 (3.7)	65 (4.5)	73.5 (5.1)	86.5 (6.0)	99.5 (6.9)	108 (7.4)	130 (9.0)	151.5 (10.4)	173 (11.9)	195 (13.4)	216.5 (14.9)	238 (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	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:

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
   $$\frac{\text{G.P.M. x total head for water x specific gravity}}{3960 \times \text{B.H.P.}}$$
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
G6-K6	3 (76)	2-1/2 (63)
D6T-F6T	2-1/2 (63)	2 (51)
G6T-K6T	3 (76)	2-1/2 (64)