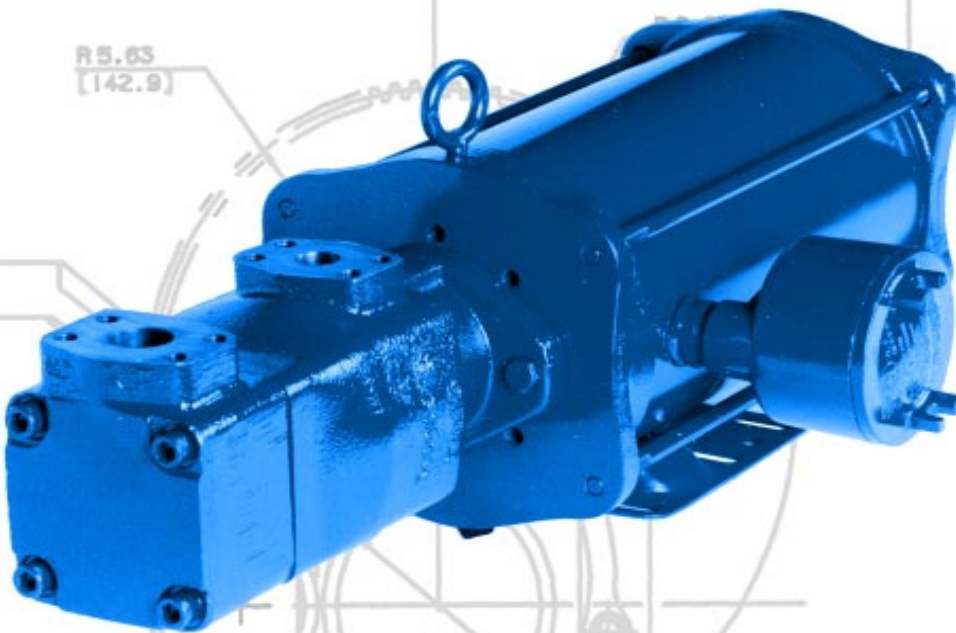




# 3E AND 110H/210H SERIES CANNED MOTOR PUMPS

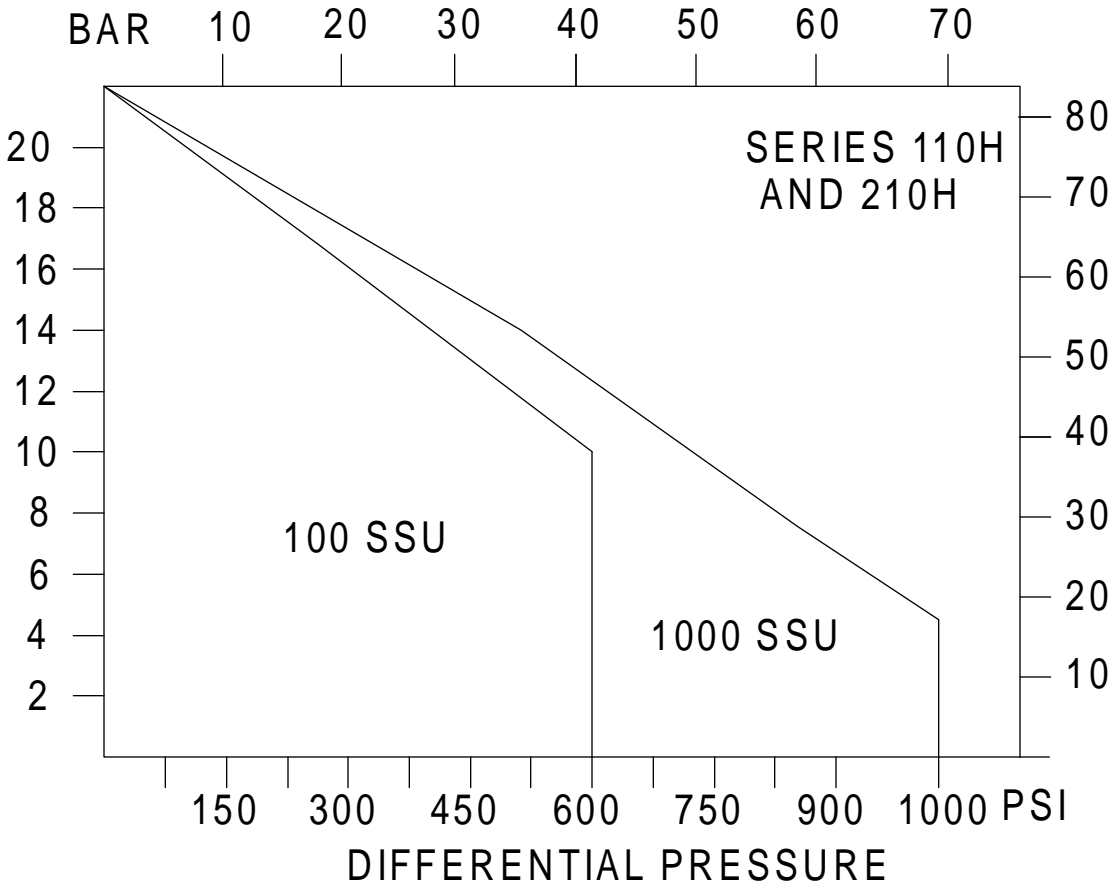
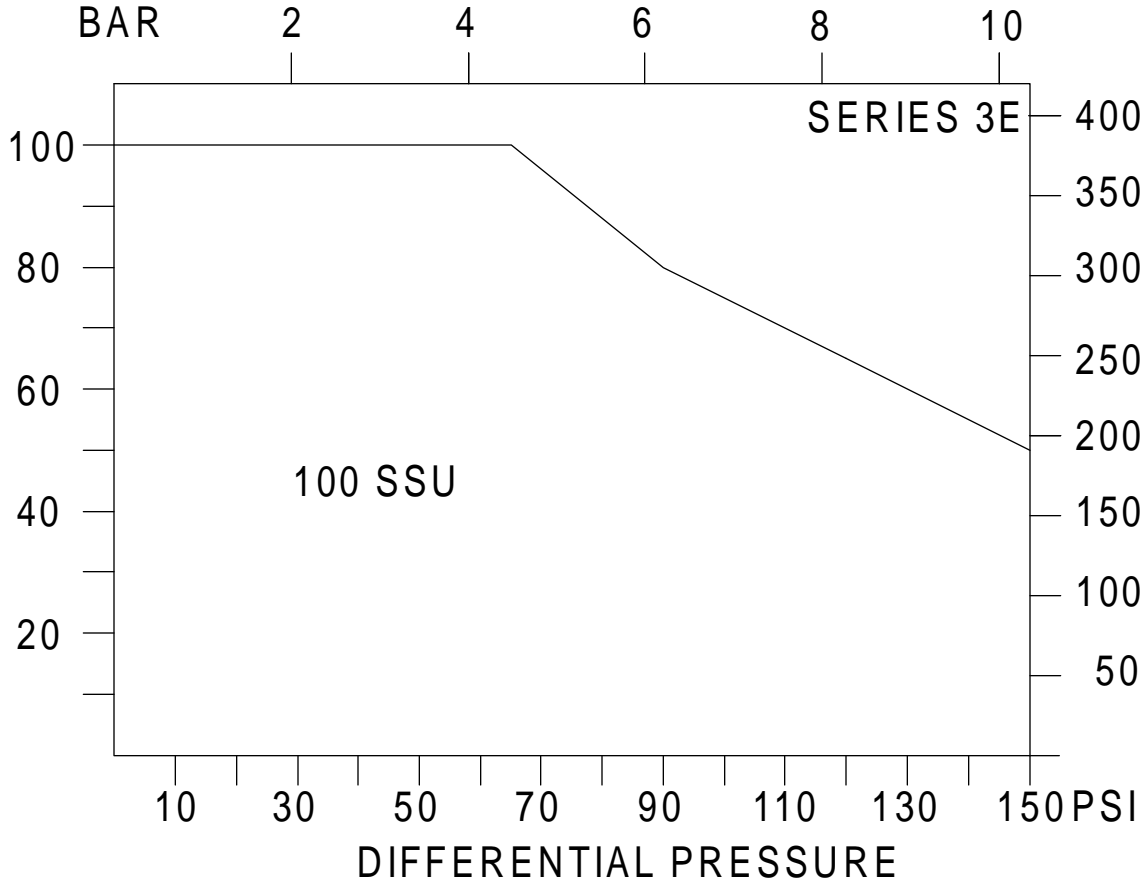


***ROTARY SCREW PUMPS  
WITH CANNED INTEGRAL MOTORS***

*The reliable pump people*

# NOMINAL FLOW RANGE

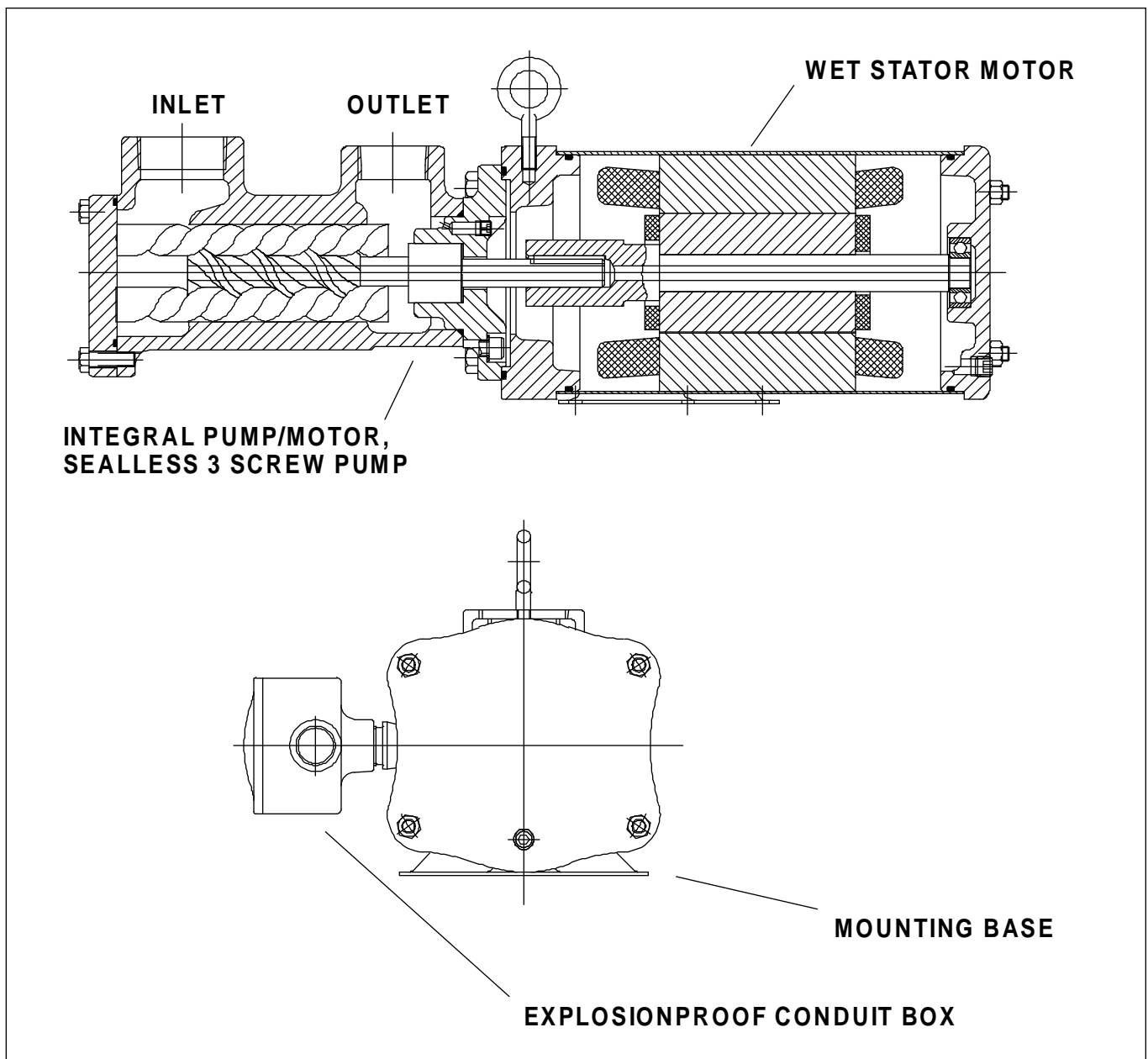
SEE APPLICABLE PUMP BROCHURE FOR CONSTRUCTION DETAILS



## 3E and 110H/210H Series Canned Motor Pumps

The new 3E and 110H/210H series canned motor pump designs from Imo Pump eliminate the need for shaft seals while providing ultra-smooth, pulsation free output flow from a positive displacement 3-screw pump. This integral pump and motor is cooled by the process fluid, eliminating the need for external air cooling fans which add to airborne noise levels. The result is a highly reliable integral pump and wet stator combination with airborne noise levels less than 60 dB(A) at three feet. The package is suitable for a wide range of lube and hydraulic oils applications at pressures up to 1000 psi (69 Bar) across a broad range of viscosities at fluid temperatures from 0 to 240°F (-18 to 115°C). Maximum inlet pressure to these pumps is 50 psig (3.45 barg). The wet stator design means no derating for altitudes above 3300 feet (1000 meters) and a smaller, more compact design. Motors are available for 2 to 6 Hp (1.5 TO 4.5 Kw) at 60 Hz and 1-1/2 to 5 HP (1.1 to 3.7 Kw) at 50 Hz.

For alternate fluid types, viscosities, temperatures, pressures or power supply different than those listed, please consult your local Imo Pump representative.



# Motor Description and Ratings

The motors are of the wet stator, squirrel cage induction design available in 2-pole and 4-pole configurations. All sizes are single voltage, 3-phase. There are no construction differences between the 50 Hz and the 60 Hz motors. Motor output power and speed will depend on input power voltage and frequency. *All motors are name plated with their nominal characteristics regardless of actual service as specified or installed.* Motors have an internal ball bearing at the non-drive end lubricated by the fluid pumped. These motors may be mounted in any attitude.

## Standard Materials of Construction

Frame with mounting foot	Welded carbon steel
End covers	Cast iron
Shaft/rotor assembly	Carbon steel
Stator windings	Copper with class F insulation
Conduit box	Aluminum
Wire connections	16 gauge, stranded copper, teflon insulated
O-rings	Per model code: Viton, Buna N, Neoprene or special

**Maximum Fluid Temperature** 240°F (115°C)

**Power Ratings** (applies regardless of altitude)

Motor size designation:	02	03	05	06
HP (Kw) at 230 or 460 volt, 60 Hz, 3 phase	2.0 (1.49)	3.0 (2.24)	5.0 (3.72)	6.0 (4.47)
HP (Kw) at 220 or 380 volt, 50 Hz, 3 phase	1.5 (1.12)	2.0 (1.49)	3.0 (2.24)	5.0 (3.72)

## Nominal Full Load Speeds

2-pole, 60 Hz	3450 RPM
4-pole, 60 Hz	1725 RPM
2-pole, 50 Hz	2850 RPM
4-pole, 50 Hz	1425 RPM

**Time Rating** Continuous duty

**Ambient Temperature Rating** 104°F (40°C)

**Enclosure** Not formally rated



### SERIES 3E

Pump Rotor Size <b>87P</b>							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	4.9	4.3	3.4	2.8	L P G	*
	65	5.3	4.9	4.3	3.8		
	100	5.5	5.2	4.7	4.3		
	650	6.0	5.9	5.7	5.6		
	1000	6.1	6.0	5.8	5.7		
1500	6.2	6.1	5.9	5.8	Z	□	
R H B	150	0.26	0.36	0.57	0.78		4.3
	650	0.49	0.60	0.80	1.0		4.4
	1000	0.61	0.71	0.92	1.1		4.5
	1500	0.75	0.86	1.1	1.3		4.6

Pump Rotor Size <b>87</b>							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	6.7	6.1	5.2	4.6	L P G	*
	65	7.1	6.7	6.1	5.6		
	100	7.3	7.0	6.5	6.1		
	650	7.8	7.7	7.5	7.4		
	1000	7.9	7.8	7.6	7.5		
1500	8.0	7.8	7.7	7.6	Z	□	
R H B	150	0.29	0.42	0.68	0.94		4.6
	650	0.52	0.65	0.91	1.2		4.8
	1000	0.64	0.76	1.0	1.3		4.9
	1500	0.78	0.91	1.2	1.4		5.1

Pump Rotor Size <b>87P</b>							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	3.7	3.0	N/A	N/A	L P G	*
	65	4.1	3.6	3.0	2.6		
	100	4.3	3.9	3.5	3.1		
	650	4.8	4.7	4.5	4.3		
	1000	4.9	4.8	4.6	4.5		
1500	4.9	4.8	4.7	4.6	Z	□	
R H B	150	0.19	0.28	0.45	0.62		4.1
	650	0.35	0.44	0.61	0.78		4.2
	1000	0.43	0.52	0.69	0.86		4.2
	1500	0.53	0.62	0.79	0.96		4.3

Pump Rotor Size <b>87</b>							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	5.2	4.5	3.7	N/A	L P G	*
	65	5.6	5.1	4.5	4.0		
	100	5.8	5.4	4.9	4.6		
	650	6.3	6.2	6.0	5.8		
	1000	6.4	6.2	6.1	6.0		
1500	6.4	6.3	6.2	6.1	Z	□	
R H B	150	0.21	0.32	0.54	0.75		4.3
	650	0.37	0.48	0.70	0.91		4.4
	1000	0.45	0.56	0.78	0.99		4.5
	1500	0.55	0.66	0.88	1.1		4.6

Pump Rotor Size <b>87P</b>							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	N/A	N/A	N/A	N/A	L P G	*
	65	1.8	N/A	N/A	N/A		
	100	2.0	N/A	N/A	N/A		
	650	2.5	2.4	2.2	2.0		
	1000	2.6	2.4	2.3	2.2		
1500	2.6	2.5	2.4	2.3	Z	□	
R H B	150	0.09	N/A	N/A	N/A		3.7
	650	0.15	0.20	0.31	0.41		3.8
	1000	0.18	0.23	0.34	0.44		3.8
	1500	0.22	0.27	0.37	0.48		3.8

Pump Rotor Size <b>87</b>							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	N/A	N/A	N/A	N/A	L P G	*
	65	2.7	2.2	N/A	N/A		
	100	2.9	2.5	N/A	N/A		
	650	3.4	3.2	3.0	2.9		
	1000	3.4	3.3	3.2	3.1		
1500	3.5	3.4	3.3	3.2	Z	□	
R H B	150	0.10	0.16	N/A	N/A		3.8
	650	0.16	0.23	0.36	0.49		3.9
	1000	0.19	0.26	0.39	0.52		3.9
	1500	0.23	0.30	0.43	0.56		4.0

Pump Rotor Size <b>87P</b>							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	N/A	N/A	N/A	N/A	L P G	*
	65	N/A	N/A	N/A	N/A		
	100	1.4	N/A	N/A	N/A		
	650	1.9	1.7	1.5	1.4		
	1000	1.9	1.8	1.7	1.5		
1500	2.0	1.9	1.8	1.7	Z	□	
R H B	150	0.07	N/A	N/A	N/A		3.6
	650	0.11	0.15	0.24	0.33		3.7
	1000	0.13	0.17	0.26	0.35		3.7
	1500	0.16	0.20	0.29	0.37		3.7

Pump Rotor Size <b>87</b>							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
M P L G	33	N/A	N/A	N/A	N/A	L P G	*
	65	1.9	N/A	N/A	N/A		
	100	2.1	N/A	N/A	N/A		
	650	2.6	2.5	2.3	2.1		
	1000	2.7	2.6	2.4	2.3		
1500	2.7	2.6	2.5	2.4	Z	□	
R H B	150	0.08	N/A	N/A	N/A		3.7
	650	0.12	0.18	0.28	0.39		3.8
	1000	0.14	0.20	0.30	0.41		3.8
	1500	0.17	0.22	0.33	0.44		3.8

indicates exceeds current motor size availability      N/A=not applicable  
 \* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

**SERIES 3E**

Pump Rotor Size 95							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	8.9	8.2	7.2	6.4	P L S P Z	* — — — —
	65	9.4	8.9	8.2	7.6		
	100	9.7	9.3	8.7	8.2		
	650	10.3	10.1	9.9	9.7		
	1000	10.4	10.2	10.0	9.9		
1500	10.4	10.3	10.2	10.0			
P H B	150	0.37	0.53	0.87	1.2	4.8	
	650	0.66	0.83	1.2	1.5	5.0	
B	1000	0.81	0.98	1.3	1.6	5.1	
	1500	1.0	1.2	1.5	1.8	5.3	

Pump Rotor Size 118P							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	14.4	13.2	11.6	10.5	P L S P Z	* — — — —
	65	15.2	14.4	13.2	12.4		
	100	15.5	14.9	14.0	13.3		
	650	16.5	16.2	15.9	15.6		
	1000	16.6	16.4	16.1	15.9		
1500	16.7	16.5	16.3	16.1			
P H B	150	0.65	0.91	1.4	2.0	4.8	
	650	1.2	1.5	2.0	2.5	5.0	
B	1000	1.5	1.8	2.3	2.8	5.1	
	1500	1.9	2.1	2.7	3.2	5.3	

Pump Rotor Size 95							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	6.9	6.2	5.2	N/A	P L S P Z	* — — — —
	65	7.4	6.9	6.2	5.6		
	100	7.7	7.3	6.7	6.2		
	650	8.3	8.1	7.9	7.7		
	1000	8.4	8.2	8.0	7.9		
1500	8.4	8.3	8.2	8.0			
P H B	150	0.27	0.41	0.69	0.96	4.4	
	650	0.48	0.61	0.90	1.2	4.6	
B	1000	0.58	0.72	0.99	1.3	4.7	
	1500	0.71	0.84	1.1	1.4	4.8	

Pump Rotor Size 118P							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	11.3	10.2	8.6	7.4	P L S P Z	* — — — —
	65	12.1	11.3	10.1	9.3		
	100	12.4	11.8	10.9	10.2		
	650	13.4	13.1	12.8	12.5		
	1000	13.5	13.3	13.0	12.8		
1500	13.6	13.4	13.2	13.0			
P H B	150	0.48	0.7	1.1	1.6	4.4	
	650	0.88	1.1	1.5	2	4.6	
B	1000	1.1	1.3	1.7	2.2	4.7	
	1500	1.3	1.5	2.0	2.4	4.8	

Pump Rotor Size 95							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	3.2	2.5	N/A	N/A	P L S P Z	* — — — —
	65	3.7	3.2	N/A	N/A		
	100	4.0	3.6	3.0	N/A		
	650	4.6	4.4	4.2	4.0		
	1000	4.6	4.5	4.3	4.2		
1500	4.7	4.6	4.4	4.3			
P H B	150	0.13	0.22	0.38	N/A	3.9	
	650	0.21	0.29	0.46	0.63	4.0	
B	1000	0.25	0.33	0.50	0.66	4.0	
	1500	0.29	0.38	0.54	0.71	4.1	

Pump Rotor Size 118P							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	5.5	4.3	N/A	N/A	P L S P Z	* — — — —
	65	6.2	5.4	N/A	N/A		
	100	6.6	6.0	5.1	4.4		
	650	7.6	7.3	7.0	6.7		
	1000	7.7	7.5	7.2	7.0		
1500	7.8	7.6	7.4	7.2			
P H B	150	0.23	0.36	0.62	0.88	3.9	
	650	0.34	0.51	0.77	1.0	4.0	
B	1000	0.45	0.58	0.84	1.1	4.0	
	1500	0.54	0.67	0.93	1.2	4.1	

Pump Rotor Size 95							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	2.2	N/A	N/A	N/A	P L S P Z	* — — — —
	65	2.7	2.2	N/A	N/A		
	100	3.0	2.6	N/A	N/A		
	650	3.6	3.4	3.2	3.0		
	1000	3.7	3.5	3.3	3.2		
1500	3.7	3.6	3.4	3.3			
P H B	150	0.10	0.17	0.31	N/A	3.8	
	650	0.16	0.22	0.36	0.50	3.8	
B	1000	0.18	0.25	0.39	0.53	3.9	
	1500	0.21	0.28	0.42	0.56	3.9	

Pump Rotor Size 118P							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	3.9	N/A	N/A	N/A	P L S P Z	* — — — —
	65	4.7	3.9	N/A	N/A		
	100	5.1	4.4	N/A	N/A		
	650	6.0	5.8	5.4	5.1		
	1000	6.1	5.9	5.6	5.4		
1500	6.2	6.1	5.8	5.6			
P H B	150	0.18	0.28	0.5	N/A	3.8	
	650	0.28	0.38	0.6	0.81	3.8	
B	1000	0.33	0.44	0.65	0.87	3.9	
	1500	0.39	0.50	0.71	0.93	3.9	

  indicates exceeds current motor size availability      N/A=not applicable  
 \* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

**SERIES 3E**

Pump Rotor Size <b>118</b>							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	18.8	17.7	16.1	14.9	P L S P	*
	65	19.6	18.8	17.7	16.8		
	100	20.0	19.4	18.4	17.7		
	650	20.9	20.7	20.3	20.1		
	1000	21.1	20.8	20.6	20.4		
1500	21.1	21.0	20.8	20.6			
B H P	150	0.72	1.0	1.7	2.3	5.3	
	650	1.3	1.60	2.30	2.9	5.7	
B	1000	1.6	1.9	2.6	3.2	6.0	
	1500	1.9	2.3	2.9	3.6	6.3	

Pump Rotor Size <b>143J</b>							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	25.7	24.3	22.4	21.0	P L S P	*
	65	26.6	25.6	24.3	23.3		
	100	27.1	26.3	25.2	24.4		
	650	28.2	27.9	27.5	27.1		
	1000	28.3	28.1	27.7	27.5		
1500	28.4	28.3	28.0	27.7			
B H P	150	1.1	1.6	2.4	3.3	5.1	
	650	2.1	2.6	3.4	4.3	5.4	
B	1000	2.7	3.1	4.0	4.8	5.5	
	1500	3.3	3.7	4.6	5.5	5.8	

Pump Rotor Size <b>118</b>							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	15.0	13.8	12.3	11.0	P L S P	*
	65	15.7	14.9	13.8	12.9		
	100	16.1	15.5	14.6	13.9		
	650	17.1	16.8	16.4	16.2		
	1000	17.2	17.0	16.7	16.5		
1500	17.3	17.1	16.9	16.7			
B H P	150	0.54	0.81	1.3	1.9	4.8	
	650	0.93	1.2	1.7	2.3	5.1	
B	1000	1.1	1.4	1.9	2.5	5.2	
	1500	1.4	1.6	2.2	2.7	5.4	

Pump Rotor Size <b>143J</b>							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	20.5	19.2	17.3	15.8	P L S P	*
	65	21.4	20.5	19.1	18.1		
	100	21.9	21.1	20.0	19.2		
	650	23.0	22.7	22.3	21.0		
	1000	23.2	22.9	22.6	22.3		
1500	23.3	23.1	22.8	22.6			
B H P	150	0.83	1.2	1.9	2.6	4.6	
	650	1.5	1.9	2.6	3.3	4.8	
B	1000	1.9	2.2	3.0	3.7	5.0	
	1500	2.3	2.7	3.4	4.1	5.1	

Pump Rotor Size <b>118</b>							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	7.7	6.6	N/A	N/A	P L S P	*
	65	8.5	7.7	6.5	N/A		
	100	8.8	8.2	7.3	6.6		
	650	9.8	9.5	9.2	8.9		
	1000	9.9	9.7	9.4	9.2		
1500	10.0	9.8	9.6	9.4			
B H P	150	0.26	0.42	0.75	1.1	4.0	
	650	0.41	0.57	0.90	1.2	4.2	
B	1000	0.48	0.65	0.97	1.3	4.2	
	1500	0.58	0.74	1.1	1.4	4.3	

Pump Rotor Size <b>143J</b>							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	10.8	9.5	7.6	N/A	P L S P	*
	65	11.8	10.8	9.5	8.4		
	100	12.2	11.4	10.4	9.5		
	650	13.4	13.0	12.6	12.3		
	1000	13.5	13.2	12.9	12.6		
1500	13.6	13.4	13.1	12.9			
B H P	150	0.39	0.61	1.0	1.5	4.0	
	650	0.65	0.87	1.3	1.7	4.1	
B	1000	0.79	1.0	1.4	1.9	4.1	
	1500	0.95	1.2	1.6	2.0	4.2	

Pump Rotor Size <b>118</b>							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	5.8	4.6	N/A	N/A	P L S P	*
	65	6.5	5.7	4.6	N/A		
	100	6.9	6.3	5.4	4.6		
	650	7.8	7.6	7.2	7.0		
	1000	8.0	7.8	7.5	7.3		
1500	8.1	7.9	7.7	7.5			
B H P	150	0.20	0.34	0.6	0.87	3.9	
	650	0.30	0.44	0.71	0.98	4.0	
B	1000	0.35	0.49	0.76	1.0	4.0	
	1500	0.42	0.55	0.82	1.1	4.1	

Pump Rotor Size <b>143J</b>							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	8.3	6.9	N/A	N/A	P L S P	*
	65	9.2	8.2	6.9	N/A		
	100	9.6	8.9	7.8	6.9		
	650	10.8	10.5	10.0	9.7		
	1000	10.9	10.7	10.3	10.1		
1500	11.0	10.8	10.5	10.3			
B H P	150	0.30	0.48	0.84	1.2	3.8	
	650	0.48	0.66	1.0	1.4	3.9	
B	1000	0.57	0.75	1.1	1.5	4.0	
	1500	0.68	0.86	1.2	1.6	4.0	

indicates exceeds current motor size availability      N/A=not applicable  
 \* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.



**SERIES 3E**

Pump Rotor Size <b>143</b>							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	34.8	33.2	30.9	29.1	P L S Z	* - S P
	65	36.0	34.8	33.2	31.9		
	100	36.5	35.6	34.2	33.2		
	650	37.9	37.5	37.0	36.6		
	1000	38.1	37.8	37.4	37.0		
1500	38.2	38	37.6	37.4			
H P	150	1.3	1.8	3.0	4.2	6.2	
	650	2.3	2.90	4.0	5.2	6.8	
B	1000	2.8	3.4	4.5	5.7	7.2	
	1500	3.4	4.0	5.2	6.3	7.8	

Pump Rotor Size <b>162</b>							
Speed 3450 RPM (60 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	52.1	49.2	46.2	44.0	P L S Z	* - S P
	65	52.8	51.3	49.2	47.5		
	100	53.5	52.3	50.6	49.3		
	650	55.2	54.8	54.1	53.6		
	1000	55.5	55.1	54.6	54.1		
1500	55.6	55.3	54.9	54.6			
H P	150	1.8	2.7	4.3	6.0	6.9	
	650	3.3	4.1	5.8	7.5	7.9	
B	1000	4.1	4.9	6.6	8.2	8.5	
	1500	5.0	5.8	7.5	9.2	9.5	

Pump Rotor Size <b>143</b>							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	28.0	26.3	24.0	22.2	P L S Z	* - S P
	65	29.1	27.9	26.3	25.0		
	100	29.6	28.7	27.4	26.3		
	650	31.0	30.7	30.1	29.7		
	1000	31.2	30.9	30.5	30.2		
1500	31.3	31.1	30.8	30.5			
H P	150	0.95	1.4	2.4	3.3	5.3	
	650	1.7	2.1	3.1	4.0	5.7	
B	1000	2.0	2.5	3.4	4.4	6.0	
	1500	2.4	2.9	3.9	4.8	6.3	

Pump Rotor Size <b>162</b>							
Speed 2850 RPM (50 Hz 2-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	41.4	39.3	36.3	34.0	P L S Z	* - S P
	65	42.8	41.4	39.2	37.6		
	100	43.5	42.3	40.6	39.3		
	650	45.3	44.8	44.2	43.7		
	1000	45.5	45.2	44.6	44.2		
1500	45.7	45.4	44.9	44.6			
H P	150	1.4	2.1	3.4	4.8	5.8	
	650	2.4	3.1	4.4	5.8	6.3	
B	1000	2.9	3.6	5.0	6.4	6.7	
	1500	3.5	4.2	5.6	7.0	7.1	

Pump Rotor Size <b>143</b>							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	15.1	13.4	11.1	N/A	P L S Z	* - S P
	65	16.2	15.0	13.4	12.1		
	100	16.8	15.8	14.5	13.4		
	650	18.1	17.8	17.2	16.8		
	1000	18.3	18.0	17.6	17.3		
1500	18.4	18.2	17.8	17.6			
H P	150	0.46	0.75	1.3	1.9	4.3	
	650	0.72	1.0	1.6	2.2	4.4	
B	1000	0.86	1.1	1.7	2.3	4.5	
	1500	1.0	1.3	1.9	2.5	4.6	

Pump Rotor Size <b>162</b>							
Speed 1725 RPM (60 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	22.8	20.6	17.7	15.4	P L S Z	* - S P
	65	24.2	22.7	20.6	19.0		
	100	24.9	23.7	22.0	20.7		
	650	26.7	26.2	25.5	25		
	1000	26.9	26.5	26.0	25.6		
1500	27.1	26.8	26.3	26.0			
H P	150	0.67	1.1	1.9	2.8	4.5	
	650	1.0	1.5	2.3	3.1	4.6	
B	1000	1.2	1.7	2.5	3.3	4.7	
	1500	1.5	1.9	2.7	3.6	4.9	

Pump Rotor Size <b>143</b>							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	11.6	10.0	N/A	N/A	P L S Z	* - S P
	65	12.8	11.6	9.9	8.7		
	100	13.3	12.4	11.0	10.0		
	650	14.7	14.3	13.8	13.4		
	1000	14.9	14.6	14.2	13.8		
1500	15.0	14.8	14.4	14.2			
H P	150	0.34	0.60	1.1	1.6	4.1	
	650	0.54	0.78	1.3	1.7	4.2	
B	1000	0.63	0.87	1.3	1.8	4.2	
	1500	0.74	0.98	1.5	1.9	4.3	

Pump Rotor Size <b>162</b>							
Speed 1425 RPM (50 Hz 4-pole)							
Viscosity SSU	Differential Pressure PSID						
	25	50	100	150			
G P M	33	17.8	15.7	12.7	N/A	P L S Z	* - S P
	65	19.2	17.7	15.6	14.0		
	100	19.9	18.7	17.0	15.7		
	650	21.7	21.2	20.6	20.0		
	1000	21.9	21.6	21.0	20.6		
1500	22.1	21.8	21.4	21			
H P	150	0.52	0.86	1.6	2.2	4.2	
	650	0.78	1.1	1.8	2.5	4.3	
B	1000	0.91	1.3	1.9	2.6	4.4	
	1500	1.1	1.4	2.1	2.8	4.5	

  indicates exceeds current motor size availability      N/A=not applicable  
 \* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

**SERIES 3E**

Pump Rotor Size <b>187</b>						
Speed 3450 RPM (60 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	80.3	77.5	73.5	70.5	P L S I *
	65	82.2	80.2	77.4	75.2	
	100	83.2	81.6	79.6	77.5	
	650	85.5	84.9	84.0	83.8	
	1000	85.8	85.3	84.6	84.0	
	1500	86.0	85.6	85.0	84.6	
B H P	150	2.8	4.1	6.7	9.2	8.3
	650	5.1	6.4	8.9	11.5	10.0
	1000	6.2	7.5	10.1	12.6	11.2
	1500	7.7	8.9	11.5	14.1	13.4

Pump Rotor Size <b>200</b>						
Speed 3450 RPM (60 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	98.1	94.9	90.4	87.0	P L S I *
	65	100	98.0	94.8	92.4	
	100	101	99.6	97.0	95.0	
	650	104	103	102	101	
	1000	104	103	103	102	
	1500	104	104	104	103	
B H P	150	3.4	5.0	8.1	11.2	9.3
	650	6.2	7.7	10.8	13.9	11.6
	1000	7.6	9.1	12.3	15.4	13.3
	1500	9.3	10.9	14.0	17.1	16.8

Pump Rotor Size <b>187</b>						
Speed 2850 RPM (50 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	65.0	62.2	58.3	55.2	P L S I *
	65	67.0	65.0	62.2	60.0	
	100	67.9	66.3	64.0	62.3	
	650	70.2	69.6	68.7	68.0	
	1000	70.5	70.0	69.3	68.8	
	1500	70.8	70.4	69.8	69.3	
B H P	150	2.1	3.2	5.3	7.4	6.6
	650	3.7	4.7	6.8	9.0	7.4
	1000	4.5	5.5	7.6	9.8	7.9
	1500	5.4	6.5	8.6	10.7	8.7

Pump Rotor Size <b>200</b>						
Speed 2850 RPM (50 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	79.6	76.4	71.9	68.4	P L S I *
	65	81.8	79.5	76.3	73.8	
	100	82.8	81.0	78.4	76.4	
	650	85.5	84.8	83.8	83.0	
	1000	85.9	85.3	84.5	83.8	
	1500	86.1	85.6	85.0	84.5	
B H P	150	2.6	3.8	6.4	9.0	7.1
	650	4.5	5.7	8.3	10.9	8.1
	1000	5.4	6.7	9.3	11.8	8.7
	1500	6.6	7.9	10.4	13.0	9.8

Pump Rotor Size <b>187</b>						
Speed 1725 RPM (60 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	36.4	33.6	29.6	26.6	P L S I *
	65	38.3	36.3	33.5	31.4	
	100	39.3	37.7	35.4	33.6	
	650	41.6	41.0	40.1	39.4	
	1000	41.9	41.4	40.7	40.1	
	1500	42.1	41.7	41.1	40.7	
B H P	150	1.0	1.7	3.0	4.2	4.7
	650	1.6	2.2	3.5	4.8	5.0
	1000	1.9	2.5	3.8	5.1	5.1
	1500	2.3	2.9	4.2	5.5	5.3

Pump Rotor Size <b>200</b>						
Speed 1725 RPM (60 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	44.8	41.7	37.2	33.7	P L S I *
	65	47.0	44.8	41.6	39.1	
	100	48.1	46.3	43.7	41.7	
	650	50.8	50.1	49.1	48.2	
	1000	51.1	50.5	49.7	49.1	
	1500	51.4	50.9	50.2	49.7	
B H P	150	1.3	2.0	3.6	5.1	4.9
	650	2.0	2.7	4.3	5.8	5.1
	1000	2.3	3.1	4.6	6.2	5.3
	1500	2.8	3.5	5.1	6.6	5.3

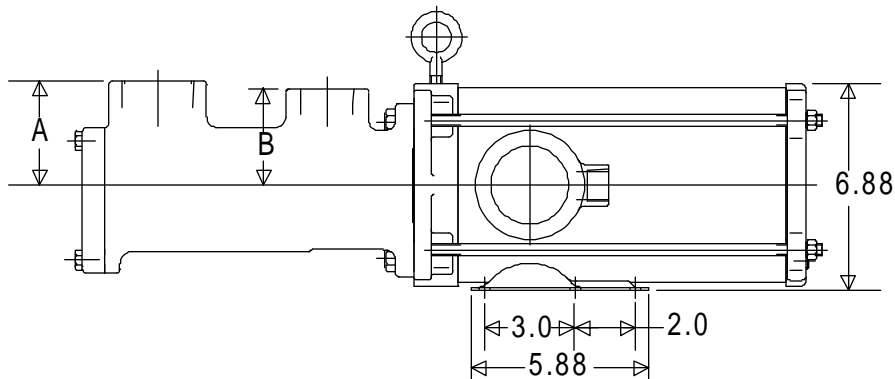
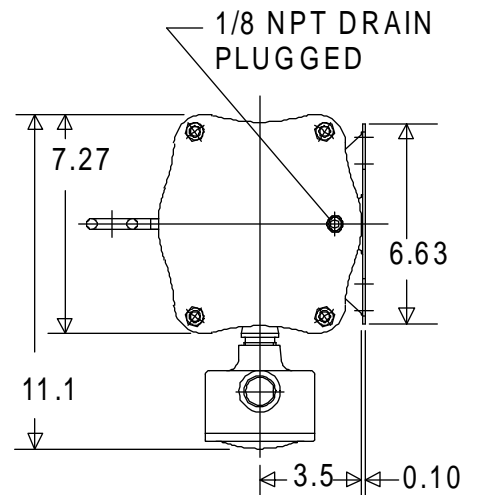
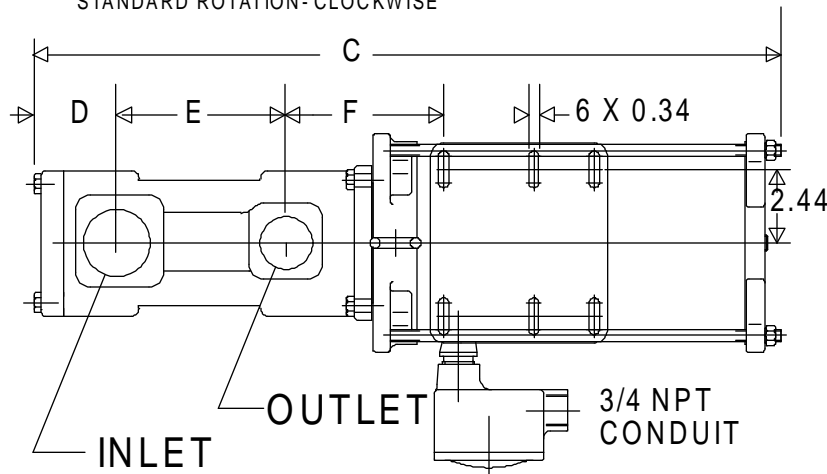
Pump Rotor Size <b>187</b>						
Speed 1425 RPM (50 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	28.8	26.0	22.0	19.0	P L S I *
	65	30.7	28.1	25.9	23.7	
	100	31.6	30.0	27.8	26.0	
	650	34.0	33.4	32.5	31.8	
	1000	34.3	33.8	33.1	32.5	
	1500	34.5	34.1	33.5	33.1	
B H P	150	0.80	1.3	2.4	3.4	4.4
	650	1.2	1.7	2.8	3.8	4.6
	1000	1.4	1.9	3.0	4.0	4.6
	1500	1.6	2.2	3.2	4.3	4.8

Pump Rotor Size <b>200</b>						
Speed 1425 RPM (50 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					
	25	50	100	150		
G P M	33	35.6	32.4	27.9	22.0	P L S I *
	65	37.8	35.5	32.3	29.8	
	100	38.8	37.0	34.4	32.4	
	650	41.5	40.8	39.8	39.0	
	1000	41.9	41.3	40.5	39.8	
	1500	42.1	41.6	41.0	40.5	
B H P	150	0.97	1.6	2.9	4.2	4.5
	650	1.5	2.1	3.4	4.7	4.7
	1000	1.7	2.3	3.6	4.9	4.8
	1500	2.0	2.6	3.9	5.2	4.9

indicates exceeds current motor size availability      N/A=not applicable  
 \* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

# MODEL 3E CAST IRON CANNED MOTOR PUMPS

ALL DIMENSIONS IN INCHES  
STANDARD ROTATION - CLOCKWISE



CERTIFIED BY	DATE
CUSTOMER	
CUSTOMER ORDER NUMBER	
TYPE	
IMO ORDER NUMBER	
MOTOR, POWER SUPPLY	

MODEL NUMBER	INLET#	OUTLET#	A	B	C	D	E	F	WEIGHT-LBS.
W0*003E087SPCV	1	1	2.63	2.63	19.94	1.56	2.13	4.86	9 + MOTOR**
W0*003E087SCCV	1	1	2.63	2.63	19.94	1.56	2.13	4.86	9 + MOTOR**
W0*003E095SCCV	1	1	2.63	2.63	19.94	1.56	2.13	4.86	9 + MOTOR**
W0*003E118SPCV	1-1/2	1	3.26	3.26	22.04	1.86	3.88	4.85	27 + MOTOR**
W0*003E118SCCV	1-1/2	1	3.26	3.26	22.04	1.86	3.88	4.85	27 + MOTOR**
W0*003E143JCV	2	1-1/2	3.63	3.38	24.81	2.74	5.63	5.22	38 + MOTOR**
W0*003E143SCCV	2	1-1/2	3.63	3.38	24.81	2.74	5.63	5.22	38 + MOTOR**
W0*003E162SCCV	2	1-1/2	3.63	3.38	24.81	2.74	5.63	5.22	38 + MOTOR**
W0*003E187SCCV	2-1/2	2	4.5	4.5	28.69	3.75	5.81	7.66	92 + MOTOR**
W0*003E200SCCV	2-1/2	2	4.5	4.5	28.69	3.75	5.81	7.66	92 + MOTOR**

\* DIMENSIONS APPLY TO MOTOR SIZES 02, 03, 05, AND 06.

\*\* MOTOR WEIGHTS: 02 = 68 LBS.; 03 = 71 LBS.; 05 = 74 LBS.; 06 = 77 LBS.

# INLET AND OUTLET ARE NPT THREADED.

PUMP MAY BE ROTATED IN 90 DEGREE INCREMENTS RELATIVE TO THE PLANE OF THE MOTOR FOOT.

INLET HEAD ON SIZES 187 & 200 MAY BE ROTATED IN 90 DEGREE INCREMENTS RELATIVE TO THE PUMP OUTLET.

IMO PUMP, MONROE, NC 28111-5020, USA

## SERIES 110H

Pump Rotor Size <b>87-1.6D</b>						
Speed 3450 RPM (60 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33	N/A	N/A	N/A	N/A	N/A
	65	N/A	N/A	N/A	N/A	N/A
	100	4.1	3.9	N/A	N/A	N/A
	650	5.0	5.0	3.8	N/A	N/A
	1000	5.1	5.1	3.9	3.8	3.7
	1500	5.2	5.2	4.1	3.9	3.8
B H P	150	1.4	1.6	N/A	N/A	N/A
	650	1.9	2.2	3.0	N/A	N/A
	1000	2.2	2.4	3.3	4.3	5.3
	1500	2.6	2.8	3.6	4.6	5.7

Pump Rotor Size <b>87-2D</b>						
Speed 3450 RPM (60 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33	N/A	N/A	N/A	N/A	N/A
	65	N/A	N/A	N/A	N/A	N/A
	100	5.5	5.4	N/A	N/A	N/A
	650	6.7	6.6	5.4	5.1	4.9
	1000	6.8	6.8	5.6	5.4	5.2
	1500	6.9	6.9	5.7	5.6	5.4
B H P	150	1.6	1.9	N/A	N/A	N/A
	650	2.1	2.3	3.4	4.7	6.0
	1000	2.3	2.6	3.6	4.9	6.2
	1500	2.6	2.9	3.9	5.2	6.5

Pump Rotor Size <b>87-1.6D</b>						
Speed 2850 RPM (50 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33	N/A	N/A	N/A	N/A	N/A
	65	N/A	N/A	N/A	N/A	N/A
	100	N/A	N/A	N/A	N/A	N/A
	650	3.8	3.7	N/A	N/A	N/A
	1000	3.9	3.9	N/A	N/A	N/A
	1500	4.0	4.0	N/A	N/A	N/A
B H P	150	N/A	N/A	N/A	N/A	N/A
	650	1.5	1.7	N/A	N/A	N/A
	1000	1.7	1.8	N/A	N/A	N/A
	1500	1.9	2.1	N/A	N/A	N/A

Pump Rotor Size <b>87-2D</b>						
Speed 2850 RPM (50 Hz 2-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33	N/A	N/A	N/A	N/A	N/A
	65	N/A	N/A	N/A	N/A	N/A
	100	4.0	3.8	N/A	N/A	N/A
	650	5.1	5.1	3.8	N/A	N/A
	1000	5.3	5.2	4.0	3.8	3.7
	1500	5.4	5.3	4.2	4.0	3.9
B H P	150	1.3	1.5	N/A	N/A	N/A
	650	1.6	1.8	2.7	N/A	N/A
	1000	1.8	2.0	2.8	3.9	5.0
	1500	2	2.2	3	4.1	5.2

Pump Rotor Size						
Speed 1725 RPM (60 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33					
	65					
	100					
	650					
	1000					
	1500					
B H P	150					
	650					
	1000					
	1500					

Pump Rotor Size						
Speed 1725 RPM (60 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33					
	65					
	100					
	650					
	1000					
	1500					
B H P	150					
	650					
	1000					
	1500					

Pump Rotor Size						
Speed 1425 RPM (50 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33					
	65					
	100					
	650					
	1000					
	1500					
B H P	150					
	650					
	1000					
	1500					

Pump Rotor Size						
Speed 1425 RPM (50 Hz 4-pole)						
Viscosity SSU	Differential Pressure PSID					N I P R * P S I
	250	300	500	750	1000	
G P M	33					
	65					
	100					
	650					
	1000					
	1500					
B H P	150					
	650					
	1000					
	1500					

■ indicates exceeds current motor size availability

N/A=not applicable

\* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

## SERIES 210H

Pump Rotor Size <b>95-2D</b>								
Speed 3450 RPM (60 Hz 2-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33	N/A	N/A	N/A	N/A	N/A	Z P S I *	P S I *
	65	6.7	6.4	N/A	N/A	N/A		
	100	7.3	7.1	N/A	N/A	N/A		
	650	8.9	8.8	7.5	7.2	6.9		
	1000	9.1	9.0	7.8	7.5	7.3		
	1500	9.2	9.2	8.0	7.8	7.6		
H P	150	2.0	2.3	N/A	N/A	N/A	4.8	
	650	2.5	2.8	4.2	5.8	7.5	5.0	
B	1000	2.7	3.1	4.4	6.1	7.7	5.1	
	1500	3.0	3.4	4.7	6.4	8.0	5.3	

Pump Rotor Size <b>106-2D</b>								
Speed 3450 RPM (60 Hz 2-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33	8.9	N/A	N/A	N/A	N/A	Z P S I *	P S I *
	65	10.5	10.1	N/A	N/A	N/A		
	100	11.3	10.9	8.9	7.9	N/A		
	650	13.2	13.1	11.7	11.3	10.9		
	1000	13.5	13.4	12.0	11.7	11.4		
	1500	13.6	13.6	12.3	12.0	11.8		
H P	150	2.8	3.3	5.1	7.4	N/A	5.0	
	650	3.5	4.0	5.8	8.1	10.5	5.3	
B	1000	3.8	4.3	6.2	8.5	10.8	5.5	
	1500	4.3	4.7	6.6	8.9	11.3	5.7	

Pump Rotor Size <b>95-2D</b>								
Speed 2850 RPM (50 Hz 2-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33	N/A	N/A	N/A	N/A	N/A	Z P S I *	P S I *
	65	N/A	N/A	N/A	N/A	N/A		
	100	5.4	5.1	N/A	N/A	N/A		
	650	6.9	6.8	5.5	5.1	4.9		
	1000	7.1	7.0	5.8	5.5	5.3		
	1500	7.3	7.2	6.0	5.8	5.6		
H P	150	1.6	1.9	N/A	N/A	N/A	4.4	
	650	1.9	2.2	3.3	4.7	6.1	4.6	
B	1000	2.1	2.4	3.5	4.9	6.2	4.7	
	1500	2.3	2.6	3.7	5.1	6.4	4.8	

Pump Rotor Size <b>106-2D</b>								
Speed 2850 RPM (50 Hz 2-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33	6.1	N/A	N/A	N/A	N/A	Z P S I *	P S I *
	65	7.7	7.3	N/A	N/A	N/A		
	100	8.5	8.2	6.1	N/A	N/A		
	650	10.4	10.3	8.9	8.5	8.2		
	1000	10.7	10.6	9.3	8.9	8.7		
	1500	10.9	10.8	9.5	9.3	9.0		
H P	150	2.2	2.6	4.2	N/A	N/A	4.6	
	650	2.7	3.1	4.6	6.6	8.5	4.8	
B	1000	3.0	3.3	4.9	6.8	8.7	4.9	
	1500	3.3	3.6	5.2	7.1	9.0	5.1	

Pump Rotor Size <b>95-2D</b>								
Speed 1725 RPM (60 Hz 4-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33	N/A	N/A	N/A	N/A	N/A	Z P S I *	P S I *
	65	N/A	N/A	N/A	N/A	N/A		
	100	N/A	N/A	N/A	N/A	N/A		
	650	3.2	3.1	N/A	N/A	N/A		
	1000	3.4	3.3	N/A	N/A	N/A		
	1500	3.5	3.5	N/A	N/A	N/A		
H P	150	N/A	N/A	N/A	N/A	N/A	N/A	
	650	1.0	1.2	N/A	N/A	N/A	4.0	
B	1000	1.1	1.3	N/A	N/A	N/A	4.0	
	1500	1.2	1.4	N/A	N/A	N/A	4.1	

Pump Rotor Size <b>106-2D</b>								
Speed 1725 RPM (60 Hz 4-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33	N/A	N/A	N/A	N/A	N/A	Z P S I *	P S I *
	65	N/A	N/A	N/A	N/A	N/A		
	100	N/A	N/A	N/A	N/A	N/A		
	650	5.2	5.1	N/A	N/A	N/A		
	1000	5.4	5.4	4.0	N/A	N/A		
	1500	5.6	5.6	4.3	4.0	N/A		
H P	150	N/A	N/A	N/A	N/A	N/A	N/A	
	650	1.5	1.7	N/A	N/A	N/A	4.1	
B	1000	1.6	1.8	2.7	N/A	N/A	4.1	
	1500	1.7	1.9	2.8	4.0	N/A	4.2	

Pump Rotor Size								
Speed 1425 RPM (50 Hz 4-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33						Z P S I *	P S I *
	65							
	100							
	650							
	1000							
	1500							
H P	150							
	650							
B	1000							
	1500							

Pump Rotor Size								
Speed 1425 RPM (50 Hz 4-pole)								
Viscosity SSU	Differential Pressure PSID					Z P S I *	P S I *	
	250	300	500	750	1000			
G P M	33						Z P S I *	P S I *
	65							
	100							
	650							
	1000							
	1500							
H P	150							
	650							
B	1000							
	1500							

■ indicates exceeds current motor size availability

N/A=not applicable

\* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

## SERIES 210H

Pump Rotor Size <b>118-1.6D</b>								
Speed 3450 RPM (60 Hz 2-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33	10.9	10.4	N/A	N/A	N/A	P L S I *	
	65	12.5	12.1	9.9	8.7	N/A		
	100	13.2	12.9	10.9	10.0	9.1		
	650	15.1	15.0	13.6	13.2	12.9		
	1000	15.4	15.3	14.0	13.6	13.4		
	1500	15.5	15.5	14.2	14.0	13.7		
P T B	150	3.4	3.9	6.0	8.6	11.2	4.8	
	650	4.5	5.1	7.1	9.7	12.3	5.0	
	1000	5.1	5.6	7.7	10.3	12.9	5.1	
	1500	5.8	6.4	8.4	11.0	13.6	5.3	

Pump Rotor Size <b>118-2D</b>								
Speed 3450 RPM (60 Hz 2-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33	13.8	13.1	N/A	N/A	N/A	P L S I *	
	65	15.8	15.3	12.8	11.2	N/A		
	100	16.8	16.4	14.1	12.8	11.8		
	650	19.2	19.1	17.6	17.1	16.6		
	1000	19.5	19.4	18.0	17.6	17.3		
	1500	19.8	19.7	18.3	18	17.7		
P T B	150	3.9	4.6	7.2	10.4	13.4	5.3	
	650	4.9	5.5	8.1	11.4	14.6	5.7	
	1000	5.4	6.0	8.6	11.7	15.1	6.0	
	1500	6.0	6.6	9.2	12.5	15.7	6.3	

Pump Rotor Size <b>118-1.6D</b>								
Speed 2850 RPM (50 Hz 2-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33	7.8	7.3	N/A	N/A	N/A	P L S I *	
	65	9.4	9.0	N/A	N/A	N/A		
	100	10.1	9.8	7.8	N/A	N/A		
	650	12.0	11.9	10.5	10.1	9.8		
	1000	12.2	12.2	10.8	10.5	10.3		
	1500	12.4	12.4	11.1	10.8	10.6		
P T B	150	2.7	3.1	4.8	N/A	N/A	4.4	
	650	3.5	4.0	5.6	7.8	9.9	4.6	
	1000	3.9	4.3	6.0	8.2	10.3	4.7	
	1500	4.4	4.8	6.5	8.7	10.8	4.8	

Pump Rotor Size <b>118-2D</b>								
Speed 2850 RPM (50 Hz 2-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33	9.9	N/A	N/A	N/A	N/A	P L S I *	
	65	11.9	11.5	N/A	N/A	N/A		
	100	12.9	12.5	10.2	N/A	N/A		
	650	15.4	15.2	13.7	13.2	12.8		
	1000	15.6	15.5	14.1	13.7	13.4		
	1500	15.9	15.8	14.5	14.1	13.8		
P T B	150	3.1	3.7	5.8	N/A	N/A	4.8	
	650	3.8	4.3	6.5	9.2	11.8	5.1	
	1000	4.1	4.7	6.8	9.5	12.2	5.2	
	1500	4.5	5.1	7.2	9.9	12.6	5.4	

Pump Rotor Size <b>118-1.6D</b>								
Speed 1725 RPM (60 Hz 4-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33	N/A	N/A	N/A	N/A	N/A	P L S I *	
	65	N/A	N/A	N/A	N/A	N/A		
	100	N/A	N/A	N/A	N/A	N/A		
	650	6.2	6.1	4.7	N/A	N/A		
	1000	6.4	6.3	5.0	4.7	4.5		
	1500	6.6	6.5	5.2	5.0	4.8		
P T B	150	N/A	N/A	N/A	N/A	N/A	N/A	
	650	1.8	2.0	3.1	N/A	N/A	4.0	
	1000	1.9	2.2	3.2	4.5	5.8	4.0	
	1500	2.1	2.4	3.4	4.7	6	4.1	

Pump Rotor Size <b>118-2D</b>								
Speed 1725 RPM (60 Hz 4-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33	N/A	N/A	N/A	N/A	N/A	P L S I *	
	65	N/A	N/A	N/A	N/A	N/A		
	100	5.6	N/A	N/A	N/A	N/A		
	650	8.1	7.9	6.4	5.9	5.5		
	1000	8.4	8.3	6.8	6.4	6.1		
	1500	8.6	8.5	7.2	6.8	6.6		
P T B	150	1.8	N/A	N/A	N/A	N/A	4.1	
	650	2.0	2.4	3.7	5.3	6.9	4.2	
	1000	2.2	2.5	3.8	5.4	7.0	4.2	
	1500	2.3	2.6	3.9	5.6	7.2	4.3	

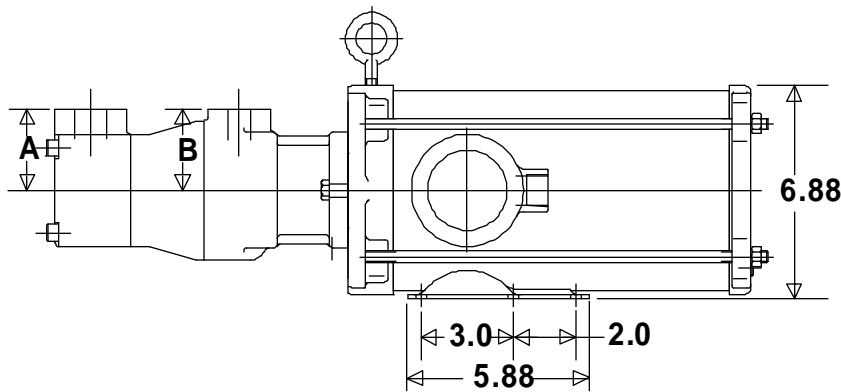
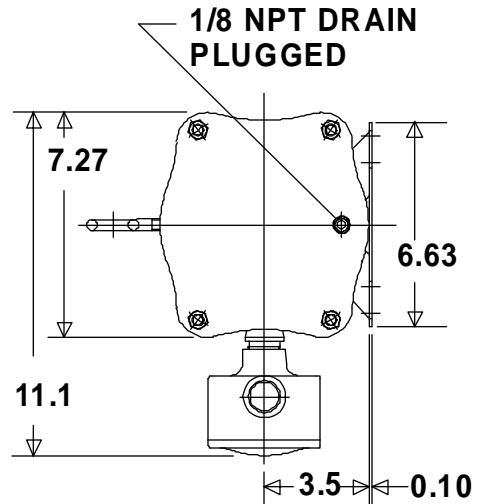
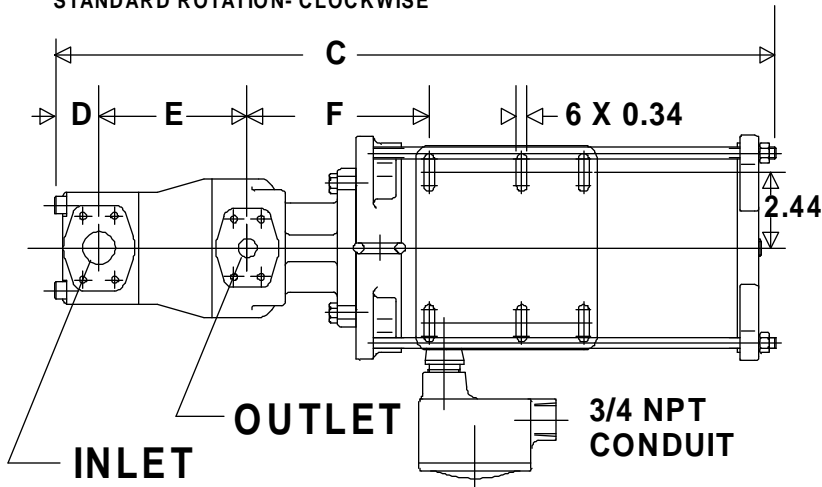
Pump Rotor Size								
Speed 1425 RPM (50 Hz 4-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33						P L S I *	
	65							
	100							
	650							
	1000							
	1500							
P T B	150							
	650							
	1000							
	1500							

Pump Rotor Size								
Speed 1425 RPM (50 Hz 4-pole)								
Viscosity	SSU	Differential Pressure PSID					Z	P
		250	300	500	750	1000		
M G P C	33						P L S I *	
	65							
	100							
	650							
	1000							
	1500							
P T B	150							
	650							
	1000							
	1500							

  indicates exceeds current motor size availability      N/A=not applicable  
 \* Net inlet pressure required is the minimum pressure above vapor pressure at pump inlet to prevent cavitation assuming liquid is air and gas free.

# MODEL 110H & 210H CANNED MOTOR PUMPS

ALL DIMENSIONS IN INCHES  
STANDARD ROTATION- CLOCKWISE



CERTIFIED BY	DATE
CUSTOMER	
CUSTOMER ORDER NUMBER	
TYPE	
IMO ORDER NUMBER	
MOTOR, POWER SUPPLY	

MODEL NUMBER	INLET#	OUTLET#	A	B	C	D	E	F	WEIGHT-LBS.
W0*110H087SPCV	3/4	1/2	2.5	2.5	19.99	2.25	4.88	5.31	18 + MOTOR**
W0*110H087SCCV	3/4	1/2	2.5	2.5	19.99	2.25	4.88	5.31	18 + MOTOR**
W0*210H095SCCV	1	3/4	2.63	2.63	23.3	1.41	4.81	5.87	30 + MOTOR**
W0*210H106SCCV	1	3/4	2.63	2.63	23.3	1.41	4.81	5.87	30 + MOTOR**
W0*210H118SPCV	1	3/4	2.63	2.63	23.3	1.41	4.81	5.87	30 + MOTOR**
W0*210H118SCCV	1	3/4	2.63	2.63	23.3	1.41	4.81	5.87	30 + MOTOR**

\* DIMENSIONS APPLY TO MOTOR SIZES 02, 03, 05, AND 06.

\*\* MOTOR WEIGHTS: 02 = 68 LBS.; 03 = 71 LBS.; 05 = 74 LBS.; 06 = 77 LBS.

# INLET AND OUTLET ARE SAE 4-BOLT FLANGE PADS. MATING FLANGES MUST BE SPECIFIED/PURCHASED SEPARATELY.

PUMP MAY BE ROTATED IN 90 DEGREE INCREMENTS RELATIVE TO THE PLANE OF THE MOTOR FOOT.

INLET HEAD MAY BE ROTATED (WITH HOUSING) IN 90 DEGREE INCREMENTS RELATIVE TO THE PUMP OUTLET.

IMO PUMP, MONROE, NC 28111-5020, USA

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---

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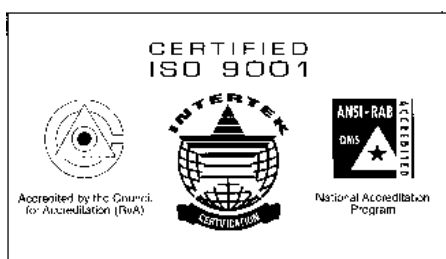
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