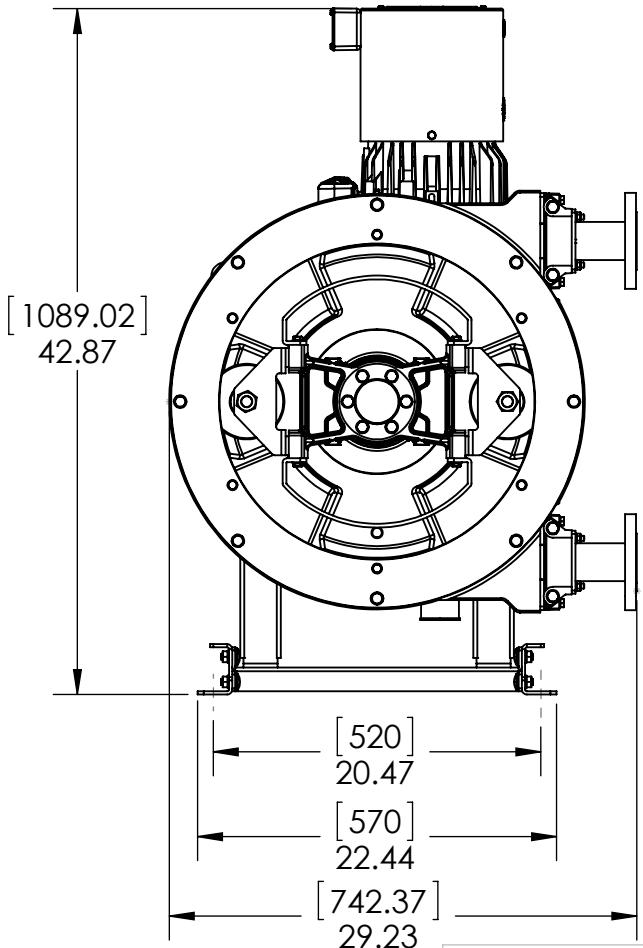
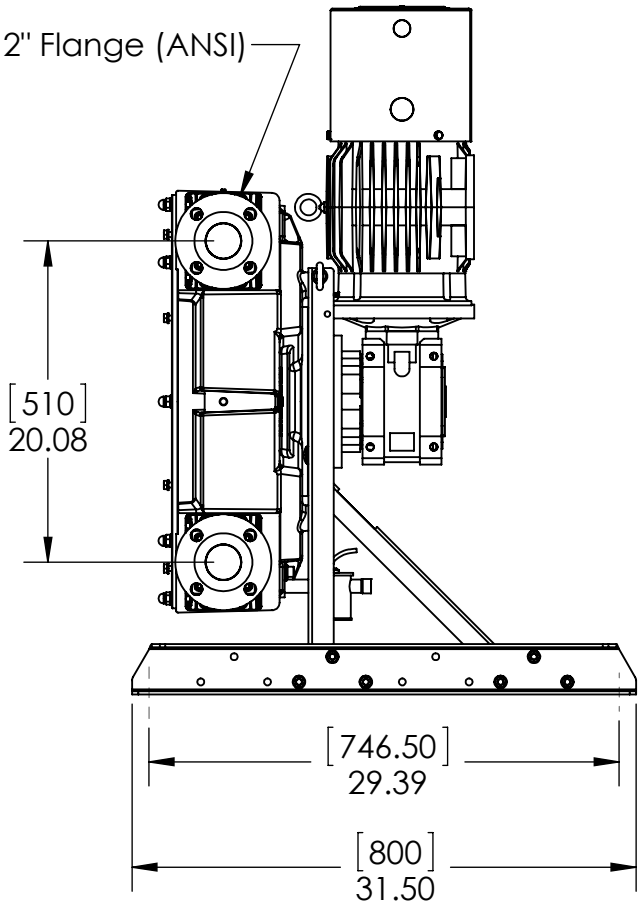
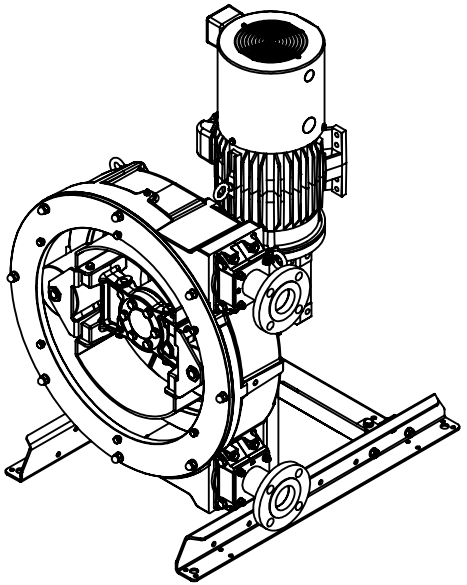






Drawing Notes:

- Right Angle Worm Gear Reducer: 75 PSI (5 Bar) Max, Refer To Pump Data Sheets For Gearbox & Motor Selection.
- Inverter Duty Motor Depicted.
- Inlet/Outlet Right Facing (position 1).
- Clear window removed to show full detail.

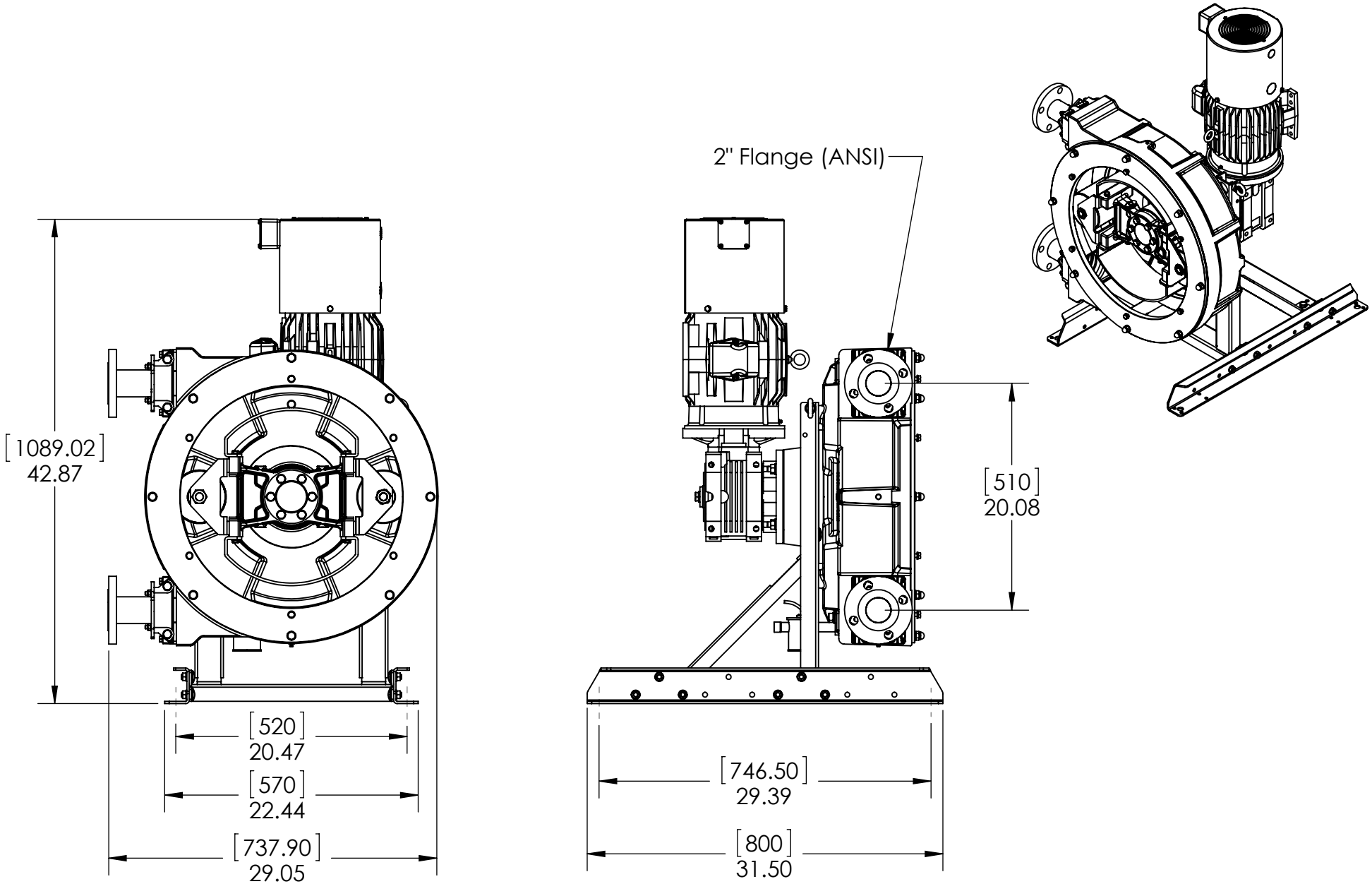
Model: M55-A1

Rotho

www.kecopump.com
800-900-7867 (PUMP)

Dimension: Inches / (XX) MM

5 4 3 2 1



Drawing Notes:

- Right Angle Worm Gear Reducer: 30 PSI (2 Bar) Max, Refer To Pump Data Sheets For Gearbox & Motor Selection.
- Inverter Duty Motor Depicted.
- Inlet/Outlet Left Facing (position 2).
- Clear window removed to show full detail.

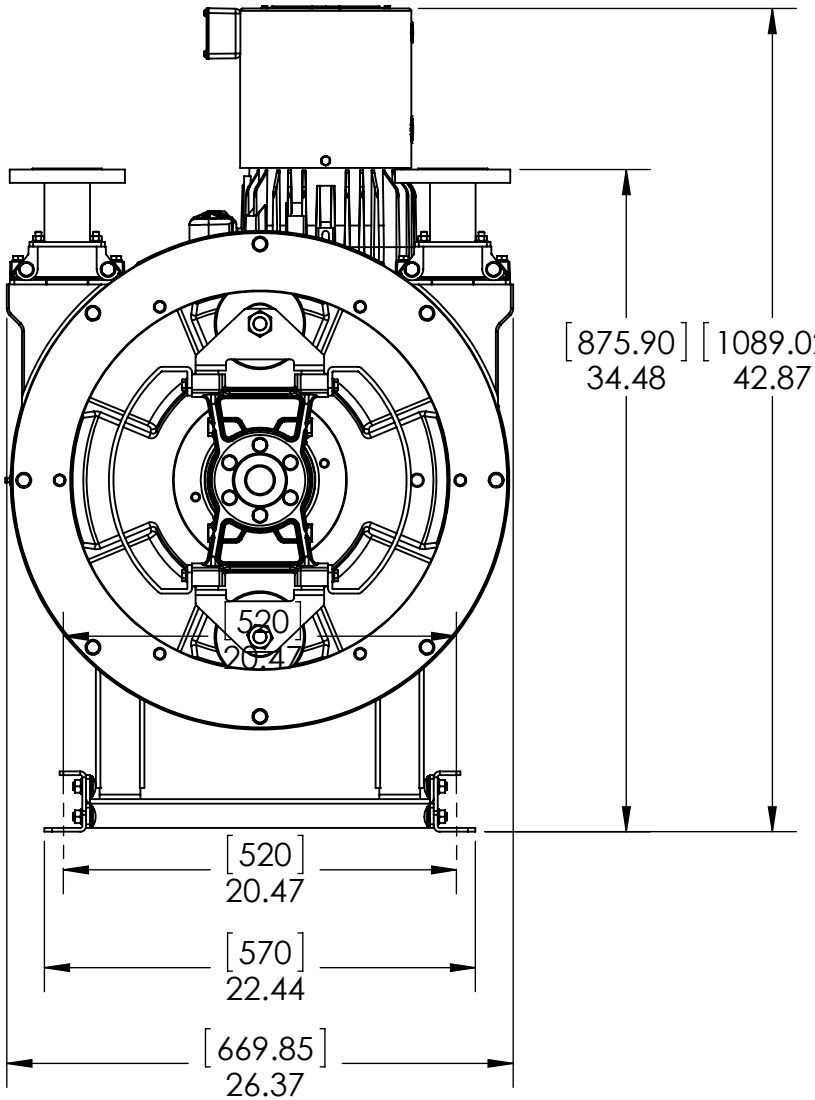
Model: M55-A2

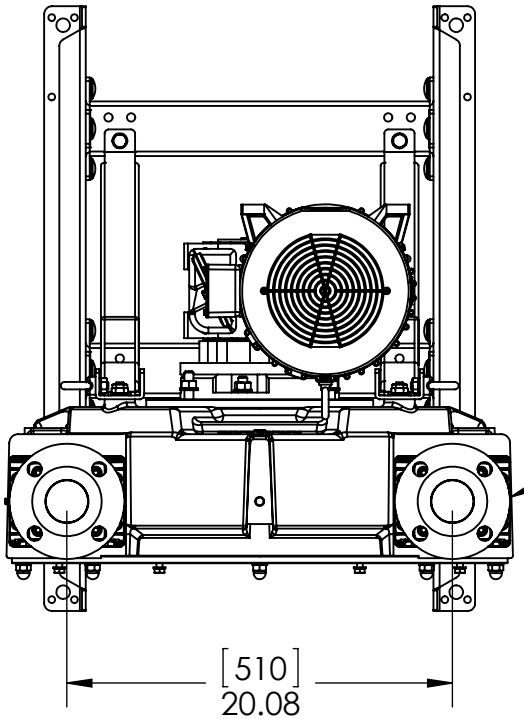
Rotho

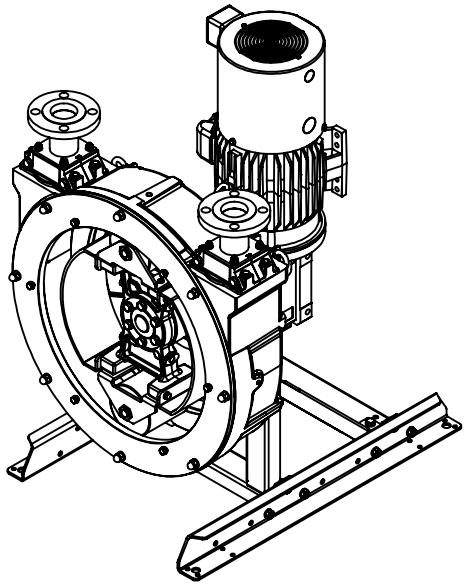
www.kecopump.com
800-900-7867 (PUMP)

Dimension: Inches / (XX) MM

5 4 3 2 1







Drawing Notes:

- Right Angle Worm Gear Reducer: 120 PSI (8 Bar) Max, Refer To Pump Data Sheets For Gearbox & Motor Selection.
- Inverter Duty Motor Depicted.
- Inlet/Outlet Right Facing (position 1).

Model: M55-A3

Rotho

www.kecopump.com
800-900-7867 (PUMP)

Dimension: Inches / (XX) MM

5 4 3 2 1

Call Toll Free **800.900.PUMP**
ph. 619.298.3800 | fax: 619.298.3300

Pump it, Don't Dump it!™

900-Series Peristaltic Pump / M55 – 5HP Specifications

Standard Performance:

Volume……55 GPM / 208 LPM
Dry Suction Lift……29ft / 8.8 m
Vacuum Rating……29 Hg / -.9.5 bar
Discharge Head……103 ft / 31 m
Discharge Pressure……45 Psi / 3.0 bar

Maximum Performance:

Volume……80 GPM / 302 LPM
Dry Suction Lift ……29 ft / 8.8 m
Vacuum Rating……29 Hg / -.9.5 bar
Discharge Head ……550 ft / 161 m
Discharge Pressure……240 Psi / 16 bar

Standard Features:

5-HP TEFC Baldor Electric Motor
316 – Stainless Steel Pump Frame
Aluminum Pump Housing (Epoxy Coated)
Clear Acrylic Viewing Window
Oil Free Pump Housing
Factory Installed Suction & Discharge Plumbing
Direct Drive, Maintenance Free Gearbox
Leak Detection with Auto Pump Shutdown
Integrated Vacuum Relief Valve
NEMA 4X Non Metallic Control Panel
Textile Reinforced Internal Hose Element
Integrated Solid State Adjustable Run-Timer
NEMA 4X Hour Meter

Optional Features:

UL Listed NEMA 4X Control Panel
Variable Speed Pump Controller
Explosion Proof Leak Detector
Explosion Proof Electric Motor
Main Power Disconnect Switch
Fiberglass, Stainless or Aluminum Pump Enclosure
MarineSync Remote Monitoring
Extended Warranty

Dimensions:

Pump – 32"x27"x40" @ 385lbs
Fiberglass Enclosure – 40"x40"x45" @ 35lbs

Applications:

- Marine / Recreational PumpOuts
- Bilge PumpOuts
- Forward Lift Stations

Design Consideration:

-Pump body shall be constructed of cast aluminum.

- Pump frame shall be constructed of 316 stainless steel.

- Pump body shall NOT be filled with a lubricant bath.

- Pump shall be equipped with a direct drive gearbox (Belts, pulleys or couplers shall NOT be accepted)

- Pump shall be equipped with a natural rubber or nitrile internal hose with an inside diameter of 55mm.

- Pump shall be equipped with two hi-efficiency rollers that gradually compress the elastomeric peristaltic hose.

- Pump rollers shall feature permanently sealed stainless steel bearings with double lipped oil seals.

- Pump rotor shall be supported by double-shaft bearings protected by double lipped oil seals.

- Pump rotor shall provide storage capability for roller for long-term storage and/or winterization.

- Peristaltic hose and rollers shall be visible through a 22" clear acrylic site window.

- Pump shall be equipped with suction & discharge plumbing manifolds with unions for quick disconnect.

- Pump shall include a vacuum gauge and ball valve on the suction manifold for isolating and testing.

-Leak detection shall instantly disable motor if the peristaltic hose ruptures.

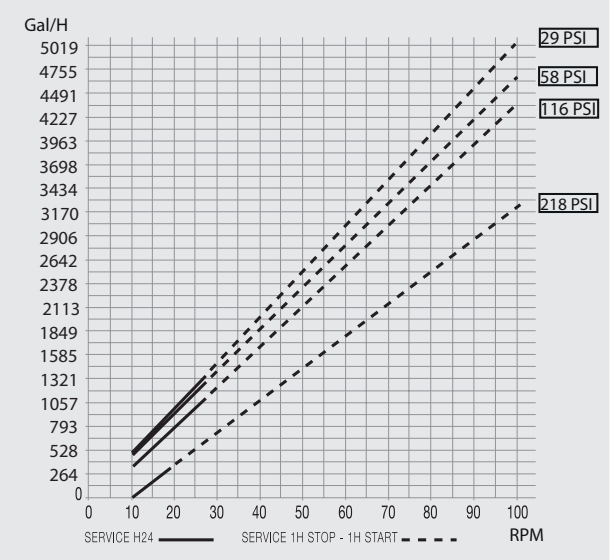
- Pump shall come equipped with an electronic hour meter, displaying hours and decimal hours.

Low Pressure						
RPM	Gal/H	Lt/H	Pressure		HP	Kw
			PSI	BAR		
15	657	2486	58	4	2	1.5
18	806	3053	58	4	2	1.5
23	1056	3997	58	4	2	1.5
26	1205	4563	58	4	3	2.2
32	1505	5696	58	4	3	2.2
36	1704	6451	58	4	3	2.2
48	2303	8717	58	4	5	3
63	3051	11549	58	4	5	4
73	3550	13437	58	4	5	4
97	4747	17968	29	2	5	4

Medium Pressure						
RPM	Gal/H	Lt/H	Pressure		HP	Kw
			PSI	BAR		
14	668	2528	58	4	2	1.5
16	768	2906	58	4	2	1.5
18	867	3283	58	4	2	1.5
20	967	3661	58	4	2	1.5
22	1067	4038	58	4	2	1.5
25	1216	4605	58	4	2	1.5
28	1366	5171	58	4	3	2.2
31	1516	5738	58	4	3	2.2
36	1765	6682	58	4	3	2.2
39	1915	7248	58	4	3	2.2
48	2364	8947	58	4	5	3
56	2763	10458	58	4	5	3
62	3062	11590	58	4	5	4
69	3411	12912	58	4	5	4
77	3810	14422	44	3	5	4
87	4309	16310	29	2	5	4
97	4808	18198	29	2	5	4

High Pressure						
RPM	Gal/H	Lt/H	Pressure		HP	Kw
			PSI	BAR		
14	506	1914	116	8	3	2.2
16	595	2253	116	8	3	2.2
18	685	2592	116	8	3	2.2
20	774	2931	116	8	3	2.2
22	864	3270	116	8	3	2.2
25	998	3779	116	8	5	3
28	1133	4288	116	8	5	3
31	1267	4797	116	8	5	3
36	1491	5645	116	8	5	4
39	1626	6154	116	8	5	4
48	2029	7680	87	6	5	4
56	2387	9037	73	5	5	4
62	2656	10054	58	4	5	4
69	2970	11242	58	4	5	4
77	3328	12598	44	3	5	4
87	3776	14294	29	2	5	4
97	4224	15990	29	2	5	4

Max Pressure						
RPM	Gal/H	Lt/H	Pressure		HP	Kw
			PSI	BAR		
14	130	493	218	15	5	3
16	202	765	218	15	5	3
17	238	901	218	15	5	3
20	346	1309	218	15	5	4
21	382	1445	218	15	5	4
25	525	1989	218	15	5	4
27	597	2261	218	15	7	5.5
30	705	2669	218	15	7	5.5



Variable Speed Low Pressure										
RPM		Gal/H		Lt/H		Pressure		HP	Kw
Min	Max	Min	Max	Min	Max	PSI	BAR		
1.9	9	64	418	244	1584	58	4	1	0.75
2	10	69	468	262	1773	58	4	1	0.75
2.4	13	89	618	338	2339	58	4	2	1.5
2.6	14	99	668	376	2528	58	4	2	1.5
2.9	15	114	718	432	2717	58	4	2	1.5
3.2	17	129	817	489	3094	58	4	2	1.5
3.7	20	154	967	583	3661	58	4	2	1.5
4.1	21	174	1017	659	3850	58	4	2	1.5
4.7	25	204	1216	772	4605	58	4	3	2.2
5.1	27	224	1316	848	4982	58	4	3	2.2
6.3	33	284	1615	1074	6115	58	4	3	2.2
7.3	39	334	1915	1263	7248	58	4	5	3
8.1	43	374	2114	1414	8003	58	4	5	3
9	48	418	2364	1584	8947	58	4	5	3
10.1	53	473	2613	1792	9891	58	4	5	4
11.4	60	538	2962	2037	11213	58	4	5	4
12.7	67	603	3311	2283	12534	51	3.5	5	4
16.1	85	773	4209	2924	15933	29	2	5	4

Variable Speed Medium Pressure									
RPM		Gal/H		Lt/H		Pressure		HP	Kw
Min	Max	Min	Max	Min	Max	PSI	BAR		
1.9	10	62	458	236	1734	116	8	1	2.2
2	11	67	507	255	1919	116	8	3	2.2
2.4	13	87	605	329	2289	116	8	3	2.2
2.6	14	97	654	366	2474	116	8	3	2.2
2.9	15	111	702	421	2659	116	8	3	2.2
3.2	17	126	800	477	3029	116	8	5	3
3.7	20	150	947	569	3584	116	8	5	3
4.1	21	170	996	643	3769	116	8	5	3
4.7	25	199	1191	754	4509	116	8	5	4
5.1	27	219	1289	828	4879	116	8	5	4
6.3	33	277	1582	1050	5988	116	8	5	4
7.3	39	326	1875	1235	7098	87	6	7	5.5
8.1	43	365	2071	1383	7838	87	6	7	5.5
9	48	409	2315	1549	8763	87	6	7	5.5
10.1	53	463	2559	1753	9688	87	6	7	5.5
11.4	60	527	2901	1993	10982	87	6	10	7.5
12.7	67	590	3243	2234	12277	87	6	10	7.5
16.1	85	756	4123	2863	15606	58	4	10	7.5

Variable Speed High Pressure									
RPM		Gal/H		Lt/H		Pressure		HP	Kw
Min	Max	Min	Max	Min	Max	PSI	BAR		
1.8	10	54	441	206	1670	174	12	3	2.2
2.1	11	69	488	260	1849	174	12	3	2.2
2.3	12	78	536	295	2028	174	12	5	3
2.6	13	92	583	349	2206	174	12	5	3
2.8	15	102	677	385	2563	174	12	5	3
3.2	17	121	771	456	2920	174	12	5	4
3.6	19	139	866	528	3277	174	12	5	4
4	21	158	960	599	3635	174	12	5	4
5.3	28	220	1290	831	4884	174	12	7	5.5