## Pump information

### **Customer Commitment**

Many factors contribute to the ability of FMC Technologies to satisfy customer needs - a broad, high-pressure pump line offering advanced technology and materials - integrated engineering, manufacturing, fabrication, and testing capabilities - worldwide technical assistance - and a proven track record of success in a complete range of applications. Most importantly, FMC Technologies possesses a company-wide commitment to performance and value.

All pumps and consumable parts are manufactured to precise specifications using advanced materials of construction, specialized machining processes, and rigid quality control measures. As part of its commitment to continuous improvement, FMC Technologies provides comprehensive technical assistance, custom pump designs, and global support.

### Manufacturing

FMC Technologies manufactures its family of piston and plunger pumps at its state-of-the-art facility utilizing the latest in CNC machining centers, production planning systems, 3D CAD/CAM systems, and order and distribution systems. Like other FMC Technologies products, the pump line is manufactured to ISO-9001 quality standards. Every pump is tested prior to shipment to ensure that it meets rigorous industry and customer requirements. All tests can be witnessed and certified.

#### **Research and Development**

As the pump industry's performance and value leader, FMC Technologies is investing more capital and manpower in research and development than at any time in its history. Dedicated R&D personnel using state-of-the-art facilities are working to refine existing products and to create new pumps designed to satisfy specific customer requirements.



All FMC Technologies' pumps are tested at rated speeds and pressures prior to shipment. FMC Technologies provides a complete range of research and development testing using drilling mud, sea water, and other fluids

### **Pump Systems**

FMC Technologies and its distributors have the resources to deliver turnkey pump systems on a global basis. By combining systems design, engineering, manufacturing, and project management capabilities, FMC Technologies offers proven pump packages for a complete range of applications. From a simple pump package with motor and skid to a complete pumping system with multiple pumps, controls, valves, and piping, the FMC Technologies team delivers.

FMC Technologies pumps are manufactured to ISO-9001 standards at its state-of-the-art facility in Stephenville, Texas.

### Markets

- » Agriculture
- » Chemical
- » Desalination
- » Drilling
- » General Industrial
- » Mining
- » Oil and gas
- » Pulp and paper
- » Sewer Cleaning
- » Steel

# Pump applications

### Oil & Gas

As one of the world's top suppliers of solutions for the global oil and gas industry, FMC Technologies delivers pumps for a complete range of process, transportation, and refining applications. These world-proven pumps are built to excel in the most demanding services while providing a safe, effective method of pumping hot, corrosive, and/or hazardous fluids at pressures up to 10,000 psi. Typical applications include:

- » Water disposal
- » Secondary recovery
- » Glycol dewatering
- » Amine sweetening
- » Chemical injection
- » Crude transfer





### **General Industrial**

Reciprocating pumps from FMC Technologies are ideally suited for a wide variety of industrial services where durability, high efficiency, and versatility are paramount. FMC Technologies pumps are setting new standards for low cost of ownership, long service life, and ease of maintenance in the world's toughest industrial applications. Typical applications in this market include:

- » Machine tool coolant
- » Mine-dust suppression
- » Mine dewatering
- » Steam boiler feed
- » High-pressure washdown
- » Descaling
- » Fire protection
- » Hydrostatic testing
- » Water jet cutting
- » Slurries



### Horizontal Directional Drilling

As the pioneer and global leader in the development of piston pump technology within the Horizontal Direction Drilling Industry (HDD), FMC Technologies product offering has been designed to meet the market's demanding requirements. FMC Technologies HDD product line offering enables the customer to design drill systems using onboard or stand–alone pumping solutions. FMC Technologies' piston pumps have fewer parts than plunger pumps, making them inherently easier and less costly to maintain. The pumps are manufactured to precise specifications using the most advanced materials, machining processes and rigid quality control measures. It's this commitment to design and quality which increases drilling productivity. FMC Technologies piston pumps maximize revenues by increasing asset efficiency while lowering overall pump ownership cost. Please contact your FMC Technologies sales representative for further information.

### Accreditation's

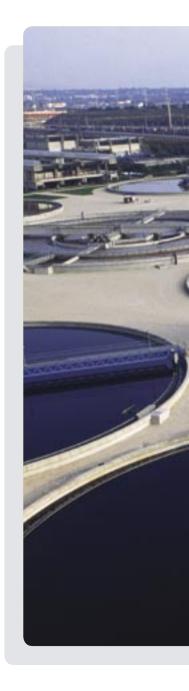


#### **Reverse Osmosis Water Purification**

The high mechanical efficiency of FMC Technologies pumps makes them the ideal choice for reverse osmosis systems. The world leader in both commercial and military RO pump technology, FMC Technologies delivers triplex and quintuplex pump solutions for smooth, reliable performance with minimal maintenance requirements. FMC Technologies provides aluminum bronze or stainless steel construction for most RO services, however duplex stainless or exotic materials such as Hastelloy are available for critical, high salinity or acidic liquid requirements.

The patented FMC Technologies Aqua Pump is the solution for critical RO services where minimal equipment weight and size are required. The pump features a unique composite material construction, oil–free drive end and produces minimal pulsations.





#### **Sewer Cleaning Pumps**

FMC Technologies continues to supply unsurpassed technology, service and responsiveness to the sewer cleaning industry. FMC Technologies' culture of being responsive and reacting to the needs of a market is directly related to providing this alternative pumping solution to the OEM's of the sewer cleaning industry.



FMC Technologies leads the market into the 21st century with its environmental friendly pump product. The custom design piston pump products operate at lower r.p.m.'s while incorporating state–of–the–art materials and wear components. The pumps are designed to pump the most abrasive fluids within the industry such as gray water and recycled sewer and storm waters. The FMC Technologies Sewer Cleaning Pumps continue the tradition of lowering component life cycle cost and total cost of ownership by incorporating longer lasting, increased wear characteristics and run dry capabilities. Please contact your FMC sales representative for further information.

## Pump applications

### **Core Drilling and Mining**

The durability of the FMC Technologies "Bean" piston pumps is unsurpassed within the vertical drilling markets. Designed for continuous duty applications, the FMC Technologies "Bean" piston line increases drilling productivity while lowering the overall cost of ownership. The pump's simple design incorporates less wearable components and ease of service. FMC Technologies self-cleaning and erosionresistant valve technology enables the pumps to handle the most abrasive and stringy fluids within the industry. Each drilling activity requires enhancing certain conditions and criteria to maximize drilling performance. This customization has led FMC Technologies pumps to become the leader within the surface and underground coring, water well, geotechnical and the environmental drilling markets with its "BEAN" piston pump product line.





In addition to the services already listed, FMC Technologies is a leading provider of pumping solutions designed for mobile equipment. These pumps feature lightweight, highperformance construction and special designs to allow them to efficiently integrate into the overall equipment package.



### Agriculture

In addition to the markets and applications already listed, FMC Technologies is a leading provider of high pressure pumping solutions for the mobile equipment market. Since 1884, FMC Technologies has been creating economic value by developing a diverse line of custom pumps designed around the needs and criteria of our agricultural and sewer cleaning customers.

The "Bean Piston Pump Product Line" can be customized to handle the most abrasive and corrosive insecticides and pesticides. FMC Technologies engineer's expertise in materials and chemical analysis enables FMC Technologies to manufacture and construct pumps that are ideally suited for the agricultural spraying applications of today. By understanding the "what and why" within the pumping specifics, FMC Technologies is able to provide the professional sprayer a broad line of pumps that increase revenue and lower overall operating cost. In addition to maximizing economic value, FMC Technologies continues its tradition of delivering a quality product at a competitive price.

# Pump applications

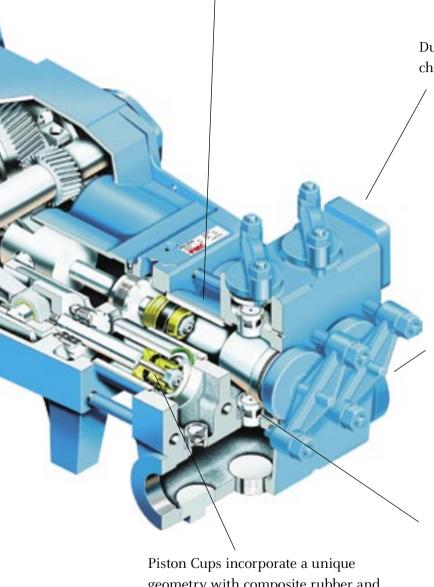
## Piston pumps

FMC Technologies Piston Pumps are engineered and designed to meet the market needs and requirements. By working together with it's customers, FMC Technologies customizes the designs and innovative component technology to optimize pump efficiency in the most extreme working conditions. The lower life cycle cost can be contributed to designing longer lasting parts with innovative wear characteristics into the pumping solution. Increased priming characteristics can be achieved with low clearance volume fluid chambers. The piston pumps are designed to enable service in the field, decrease any unnecessary downtime and increase production profit output.

Shaft configurations provide maximum flexibility. Straightkeyed shaft or splined shafts are available for hydraulic motors and external gear reducers.

Compact Power Frames (many with builtin gear reduction) simplify installation in mobile or space-constrained applications.

FMC Technologies Piston Pumps continue to create value that is unsurpassed in the industry. The versatility of a broad range of piston products combined with innovative design, component technology with lower life cycle cost and serviceability allows FMC Technologies to focus on Tomorrow's Engineered Solutions Today. The Piston Pump Product line is available in up to 350 horsepower and designed for continuous duty industrial applications. The piston pump product is available in triplex, quintuplex or quadruplex configurations and operate up to 2,500 psi with flows up to 670 gpm. Pumps can incorporate ductile iron, aluminum bronze and other materials as required by the application. Solid Ceramic Piston Liners provide the ultimate in wear and corrosion resistance.



Durable Fluid End designs enhance priming characteristics and component service life.

Removable Cylinder Covers allow for fast, easy maintenance of the packing without removal of the fluid end or piping.

Piston Cups incorporate a unique geometry with composite rubber and fabric construction for reliable, leak-tight performance. Standard Disc Valves provide quiet, efficient performance in most applications. Abrasionresistant and ball style valves are available to suit highperformance applications.

Overall, FMC Technologies broad product offering, serviceability, innovative designs and component technology increases productivity by decreasing downtime. FMC Technologies Piston Pumps continue to lower overall cost of ownership by providing Tomorrow's Market Solutions Today.

### 0 – 34 HP Pump Specifications (Pump Selection Formula PG. #25)

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	A0410	850	4.2 GPM @ 400 RPM	5.3 GPM @ 500 RPM	0.0106	1.250	2	1.00	(
Ao4	A0411	700	5.2 GPM @ 400 RPM	6.5 GPM @ 500 RPM	0.0129	1.375	2	1.00	
2.6/3.2 HP	A0413	550	7.2 GPM @ 400 RPM	9.0 GPM @ 500 RPM	0.0180	1.625	2	1.00	
	I0410	850	4.2 GPM @ 400 RPM	5.3 GPM @ 500 RPM	0.0106	1.250	2	1.00	
Io4	I0411	700	5.2 GPM @ 400 RPM	6.5 GPM @ 500 RPM	0.0129	1.375	2	1.00	
2.6/3.2 HP	I0413	550	7.2 GPM @ 400 RPM	9.0 GPM @ 500 RPM	0.0180	1.625	2	1.00	
Mo4	M0405	1,750	2.4 GPM @ 600 RPM	3.6 GPM @ 900 RPM	0.0040	0.625	3	1.00	
2.8/4.2 HP	M0406	1,250	3.4 GPM @ 600 RPM	5.1 GPM @ 900 RPM	0.0057	0.750	3	1.00	
East	E0410	850	9.5 GPM @ 450 RPM	10.9 GPM @ 515 RPM	0.0212	1.250	4	1.00	
E04 6.1/7.0 HP	E0411	700	11.6 GPM @ 450 RPM	13.2 GPM @ 515 RPM	0.0257	1.375	4	1.00	
, /.0	E0413	550	16.2 GPM @ 450 RPM	18.5 GPM @ 515 RPM	0.0359	1.625	4	1.00	
Lo9	L0913	1,200	12.6 GPM @ 750 RPM	15.0 GPM @ 890 RPM	0.0168	1.625	3	2.25	
11.6/13.8 HP	L0914	1,000	14.6 GPM @ 750 RPM	17.4 GPM @ 890 RPM	0.0195	1.750	3	2.25	
, 5	L0918	700	24.2 GPM @ 750 RPM	28.7 GPM @ 890 RPM	0.0323	2.250	3	2.25	
Lo6	L0614	1,000	16.4 GPM @ 350 RPM	23.5 GPM @ 500 RPM	0.0469	1.750	3	1.50	
12.3/17.6 HP	Lo618	700	27.1 GPM @ 350 RPM	38.8 GPM @ 500 RPM	0.0775	2.250	3	1.50	
Lo6-HV	Lo614-HV	1,200	18.8 GPM @ 400 RPM	25.8 GPM @ 550 RPM	0.0469	1.750	3	1.50	
15.1/20.7 HP	Lo618-HV	750	31.0 GPM @ 400 RPM	42.6 GPM @ 550 RPM	0.0775	2.250	3	1.50	
	Мобо4 Мобол	10,000	1.8 GPM @ 475 RPM	2.3 GPM @ 600 RPM	0.0038	0.500	3	1.50	
	M0605 M0606	8,800	2.9 GPM @ 475 RPM	3.6 GPM @ 600 RPM	0.0060	0.625	3	1.50	
Mat	M0608	6,100	4.1 GPM @ 475 RPM 7.3 GPM @ 475 RPM	5.2 GPM @ 600 RPM 9.2 GPM @ 600 RPM	0.0086	0.750 1.000	3	1.50	
Mo6 16.6/20.9 HP	M0608	3,400 2,200	11.4 GPM @ 475 RPM	14.3 GPM @ 600 RPM	0.0153 0.0239	1.250	3	1.50 1.50	
	M0010 M0612	1,500	16.3 GPM @ 475 RPM	20.6 GPM @ 600 RPM	0.0239	1.250	3	1.50	
	M0614	1,120	22.3 GPM @ 475 RPM	28.1 GPM @ 600 RPM	0.0344	1.750	3	1.50	
	M0615	1,000	25.6 GPM @ 475 RPM	32.3 GPM @ 600 RPM	0.0538	1.875	3	1.50	
W11	W1118	1,000	24.8 GPM @ 630 RPM	25.0 GPM @ 635 RPM	0.0394	2.250	3	2.75	
17/35 HP	W1122	1,000	50.1 GPM @ 850 RPM	50.1 GPM @ 850 RPM	0.0589	2.750	3	2.75	
	Lo913-HV	1,500	22.7 GPM @ 375 RPM	27.3 GPM @ 450 RPM	0.0606	1.625	3	2.25	
L09-HV 22.6/27.1 HP	Lo914-HV	1,300	26.4 GPM @ 375 RPM	31.6 GPM @ 450 RPM	0.0703	1.750	3	2.25	
22.0/2/.1 111	Lo918-HV	800	43.6 GPM @ 375 RPM	52.3 GPM @ 450 RPM	0.1162	2.250	3	2.25	
	M0905	10,000	3.8 GPM @ 425 RPM	5.0 GPM @ 550 RPM	0.0090	0.625	3	2.25	
	M0906	6,900	5.5 GPM @ 425 RPM	7.1 GPM @ 550 RPM	0.0129	0.750	3	2.25	
Mo9	M0908	3,900	9.7 GPM @ 425 RPM	12.6 GPM @ 550 RPM	0.0229	1.000	3	2.25	
26/33 HP	M0910	2,500	15.3 GPM @ 425 RPM	19.7 GPM @ 550 RPM	0.0359	1.250	3	2.25	
	M0912	1,750	21.9 GPM @ 425 RPM	28.4 GPM @ 550 RPM	0.0516	1.500	3	2.25	
	M0915	1,150	34.3 GPM @ 425 RPM	44.4 GPM @ 550 RPM	0.0807	1.875	3	2.25	
	Mo8o6	10,000	5.2 GPM @ 450 RPM	6.9 GPM @ 600 RPM	0.0115	0.750	3	2.00	
	Mo807	7,400	7.0 GPM @ 450 RPM	9.4 GPM @ 600 RPM	0.0156	0.875	3	2.00	
	Mo8o8	5,650	9.0 GPM @ 450 RPM	12.2 GPM @ 600 RPM	0.0204	1.000	3	2.00	
Mo8	Mo810	3,620	14.4 GPM @ 450 RPM	19.1 GPM @ 600 RPM	0.0139	1.250	3	2.00	
34/45 HP	Mo812	2,250	20.7 GPM @ 450 RPM	27.5 GPM @ 600 RPM	0.0459	1.500	3	2.00	
	Mo814	1,850	28.1 GPM @ 450 RPM	37.5 GPM @ 600 RPM	0.0625	1.750	3	2.00	
	Mo816	1,420	36.7 GPM @ 450 RPM	49.0 GPM @ 600 RPM	0.0816	2.000	3	2.00	
	Mo818	1,120	46.5 GPM @ 450 RPM	62.0 GPM @ 600 RPM	0.1033	2.250	3	2.00	

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## 37 – 117 HP Pump Specifications

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L11	L1114	2,500	21.5 GPM @ 900 RPM	30.5 GPM @ 1275 RPM	0.0239	1.750	3	2.75	
37/52 HP	L1118	1,500	35.5 GPM @ 900 RPM	50.2 GPM @ 1275 RPM	0.0394	2.250	3	2.75	
	L1122	1,000	53.0 GPM @ 900 RPM	75.1 GPM @ 1275 RPM	0.0589	2.750	3	2.75	
L12	L1214	2,500	30.5 GPM @ 325 RPM	37.5 GPM @ 400 RPM	0.0937	1.750	3	3.00	
49/61 HP	L1218	1,500	50.3 GPM @ 325 RPM	62.0 GPM @ 400 RPM	0.1549	2.250	3	3.00	
	L1222	1,000	75.2 GPM @ 325 RPM	92.6 GPM @ 400 RPM	0.2314	2.750	3	3.00	
	M1207	10,000	9.4 GPM @ 400 RPM	11.7 GPM @ 500 RPM	0.0234	0.875	3	3.00	
	M1208	7,600	12.2 GPM @ 400 RPM	15.3 GPM @ 500 RPM	0.0306	1.000	3	3.00	
	M1210	4,900	19.1 GPM @ 400 RPM	23.9 GPM @ 500 RPM	0.0478	1.250	3	3.00	
	M1212	3,400	27.5 GPM @ 400 RPM	34.4 GPM @ 500 RPM	0.0688	1.500	3	3.00	
M12	M1214	2,500	37.5 GPM @ 400 RPM	46.9 GPM @ 500 RPM	0.0937	1.750	3	3.00	
62/77 HP	M1216	1,900	49.0 GPM @ 400 RPM	61.2 GPM @ 500 RPM	0.1224	2.000	3	3.00	
	M1218	1,500	62.0 GPM @ 400 RPM	77.5 GPM @ 500 RPM	0.1549	2.250	3	3.00	
	M1220	1,250	76.5 GPM @ 400 RPM	95.6 GPM @ 500 RPM	0.1912	2.500	3	3.00	
	M1222	1,000	92.6 GPM @ 400 RPM	115.7 GPM @ 500 RPM	0.2314	2.750	3	3.00	
	M1224	850	110.2 GPM @ 400 RPM	137.7 GPM @ 500 RPM	0.2754	3.000	3	3.00	
	L1614	2,500	34.9 GPM @ 1100 RPM	46.0 GPM @ 1450 RPM	0.0317	1.750	3	4.00	
L16	L1616	2,100	45.5 GPM @ 1100 RPM	60.0 GPM @ 1450 RPM	0.0414	2.000	3	4.00	
66/87 HP	L1618	1,650	57.6 GPM @ 1100 RPM	76.0 GPM @ 1450 RPM	0.0524	2.250	3	4.00	
	L1622	1,100	86.1 GPM @ 1100 RPM	113.5 GPM @ 1450 RPM	0.0783	2.750	3	4.00	
	M1408	10,000	13.4 GPM @ 375 RPM	15.5 GPM @ 425 RPM	0.0357	1.000	3	3.50	
	M1410	6,500	20.9 GPM @ 375 RPM	23.7 GPM @ 425 RPM	0.0558	1.250	3	3.50	
	M1412	4,500	30.1 GPM @ 375 RPM	34.1 GPM @ 425 RPM	0.0803	1.500	3	3.50	
	M1414	3,300	41.0 GPM @ 375 RPM	46.5 GPM @ 425 RPM	0.1093	1.750	3	3.50	
	M1416	2,500	53.6 GPM @ 375 RPM	60.7 GPM @ 425 RPM	0.1428	2.000	3	3.50	
M14	M1418	2,000	67.8 GPM @ 375 RPM	76.8 GPM @ 425 RPM	0.1807	2.250	3	3.50	
88/104 HP	M1420	1,600	83.7 GPM @ 375 RPM	94.8 GPM @ 425 RPM	0.2231	2.580	3	3.50	
	M1422	1,350	101.3 GPM @ 375 RPM	114.8 GPM @ 425 RPM	0.2700	2.750	3	3.50	
	M1424	1,150	120.5 GPM @ 375 RPM	136.6 GPM @ 425 RPM	0.3213	3.000	3	3.50	
	M1426	1,000	141.4 GPM @ 375 RPM	160.3 GPM @ 425 RPM	0.3771	3.250	3	3.50	
	M1428	825	164.0 GPM @ 375 RPM	185.9 GPM @ 425 RPM	0.4373	3.500	3	3.50	
	M1430	725	188.3 GPM @ 375 RPM	213.4 GPM @ 425 RPM	0.5020	3.750	3	3.50	
	M1609	10,000	18.1 GPM @ 350 RPM	21.9 GPM @ 425 RPM	0.0516	1.125	3	4.00	
	M1610	8,000	22.3 GPM @ 350 RPM	27.1 GPM @ 425 RPM	0.0637	1.250	3	4.00	
	M1612	5,500	32.1 GPM @ 350 RPM	39.0 GPM @ 425 RPM	0.0918	1.500	3	4.00	
	M1614	4,065	43.7 GPM @ 350 RPM	53.1 GPM @ 425 RPM	0.1249	1.750	3	4.00	
	M1616	3,115	57.1 GPM @ 350 RPM	69.4 GPM @ 425 RPM	0.1632	2.000	3	4.00	
	M1618	2,460	72.3 GPM @ 350 RPM	87.8 GPM @ 425 RPM	0.2065	2.250	3	4.00	
M16	M1620	1,990	89.3 GPM @ 350 RPM	108.4 GPM @ 425 RPM	0.2550	2.500	3	4.00	
117/142 HP	M1622	1,650	108.0 GPM @ 350 RPM	131.1 GPM @ 425 RPM	0.3085	2.750	3	4.00	
	M1624	1,385	128.5 GPM @ 350 RPM	156.1 GPM @ 425 RPM	0.3672	3.000	3	4.00	
	M1626	1,180	150.8 GPM @ 350 RPM	183.1 GPM @ 425 RPM	0.4309	3.250	3	4.00	
	M1628	1,015	174.9 GPM @ 350 RPM	212.4 GPM @ 425 RPM	0.4998	3.500	3	4.00	
	M1630	885	200.8 GPM @ 350 RPM	243.8 GPM @ 425 RPM	0.5737	3.750	3	4.00	
	M1632	775	228.5 GPM @ 350 RPM	277.4 GPM @ 425 RPM	0.6528	4.000	3	4.00	
	M1634	650	257.9 GPM @ 350 RPM	313.2 GPM @ 425 RPM	0.7369	4.250	3	4.00	
	M1636	570	289.2 GPM @ 350 RPM	351.1 GPM @ 425 RPM	0.8262	4.500	3	4.00	

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	460	PISTON	32.5	17.0	14.5	85%	•	•		•	•			
	460	PISTON	23.5	17.0	14.5	85%	•	•		•	•			
	475	PISTON	34.0	20.0	13.0	90%				•	•			
	475	PISTON	34.0	20.0	13.0	90%	•	•		•	•			
	475	PISTON	34.0	20.0	13.0	90%	•	•		•	•			
	950	PLUNGER	37.5	22.0	20.5	90%				•	•	•	•	
	950	PLUNGER	37.5	22.0	20.5	90%				•	•	•	•	
	950	PLUNGER	37.5	22.0	20.5	90%				•	•	•	•	
	950	PLUNGER	37.5	22.0	20.5	90%	•		•	•	•	•	•	
	950	BOTH	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	BOTH	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	BOTH	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	BOTH	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	BOTH	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	BOTH	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	705	PISTON	38.5	18.0	15.5	85%	•			•	•			
	705	PISTON	38.5	18.0	15.5	85%	•	•		•	•			
	705	PISTON	38.5	18.0	15.5	85%	•	•		•	•			
	705	PISTON	38.5	18.0	15.5	85%	•	•		•	•			
	1,800	PLUNGER	44.0	24.0	22.0	90%				•	•	•	•	
	1,800	PLUNGER	44.0	24.0	22.0	90%				•	•	•	•	
	1,800	PLUNGER	44.0	24.0	22.0	90%				•	•	•	•	
	1,800	PLUNGER	44.0	24.0	22.0	90%	•		•	•	•	•	•	
	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	•	•	•	•	
	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	+	•	•	+	
	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	•	•	•	•	
	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	•	•	•	•	
	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	•	•	•	•	
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	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	•	•	•	•	
	1,800	BOTH	44.0	24.0	22.0	90%	•	•	•	•	•	•	•	
	2,400	PLUNGER	53.5	29.0	26.0	90%				•	•	•	•	
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	2,400	PLUNGER	53.5	29.0	26.0	90%				•	•	•	•	
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	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	<ul> <li>♦</li> <li>▲</li> </ul>	•	<b>♦</b>	<b>•</b>	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	♦	<ul> <li>♦</li> </ul>	<b>♦</b>	♦	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	♦	•	<b>♦</b>	<b>♦</b>	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	<ul> <li>♦</li> <li>▲</li> </ul>	•	<ul> <li>♦</li> <li>▲</li> </ul>	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	♦	•	<ul> <li>♦</li> <li>▲</li> </ul>	<ul> <li>♦</li> <li>▲</li> </ul>	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	<ul> <li>♦</li> <li>▲</li> </ul>	•	•	<b>•</b>	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	<b>♦</b>	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	

## 150 – 265 HP Pump Specifications

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(	M1810	9,800	23.7 GPM @ 330 RPM	28.7 GPM @ 400 RPM	0.0717	1.250	3	4.50	
	M1812	6,800	34.1 GPM @ 330 RPM	41.3 GPM @ 400 RPM	0.1033	1.500	3	4.50	
	M1814	5,000	46.4 GPM @ 330 RPM	56.2 GPM @ 400 RPM	0.1406	1.750	3	4.50	
	M1816	3,800	60.6 GPM @ 330 RPM	73.4 GPM @ 400 RPM	0.1836	2.000	3	4.50	
	M1818	3,000	76.7 GPM @ 330 RPM	93.0 GPM @ 400 RPM	0.2324	2.250	3	4.50	
	M1820	2,400	94.7 GPM @ 330 RPM	114.8 GPM @ 400 RPM	0.2869	2.500	3	4.50	
M18	M1822	2,000	114.5 GPM @ 330 RPM	138.8 GPM @ 400 RPM	0.3471	2.750	3	4.50	
150/190 HP	M1824	1,700	136.3 GPM @ 330 RPM	165.2 GPM @ 400 RPM	0.4131	3.000	3	4.50	
	M1826	1,400	160.0 GPM @ 330 RPM	193.9 GPM @ 400 RPM	0.4848	3.250	3	4.50	
	M1828	1,200	185.6 GPM @ 330 RPM	224.9 GPM @ 400 RPM	0.5623	3.500	3	4.50	
	M1830	1,100	213.0 GPM @ 330 RPM	258.2 GPM @ 400 RPM	0.6455	3.750	3	4.50	
	M1832	1,000	242.4 GPM @ 330 RPM	293.8 GPM @ 400 RPM	0.7344	4.000	3	4.50	
	M1834	800	273.6 GPM @ 330 RPM	331.6 GPM @ 400 RPM	0.8291	4.250	3	4.50	
	M1836	750	306.7 GPM @ 330 RPM	371.8 GPM @ 400 RPM	0.9295	4.500	3	4.50	
	Q1609	10,000	30.1 GPM @ 350 RPM	36.6 GPM @ 425 RPM	0.0861	1.125	5	4.00	
	Q1610	8,150	37.2 GPM @ 350 RPM	45.1 GPM @ 425 RPM	0.1062	1.250	5	4.00	
	Q1612	5,650	53.6 GPM @ 350 RPM	65.0 GPM @ 425 RPM	0.1530	1.500	5	4.00	
	Q1614	4,160	72.9 GPM @ 350 RPM	88.5 GPM @ 425 RPM	0.2082	1.750	5	4.00	
	Q1616	3,190	95.2 GPM @ 350 RPM	115.6 GPM @ 425 RPM	0.2720	2.000	5	4.00	
	Q1618	2,520	120.5 GPM @ 350 RPM	146.3 GPM @ 425 RPM	0.3442	2.250	5	4.00	
Q16	Q1620	2,040	148.8 GPM @ 350 RPM	180.6 GPM @ 425 RPM	0.4250	2.500	5	4.00	
198/240 HP	Q1622	1,690	180.0 GPM @ 350 RPM	281.5 GPM @ 425 RPM	0.5142	2.750	5	4.00	
	Q1624	1,420	214.2 GPM @ 350 RPM	260.1 GPM @ 425 RPM	0.6120	3.000	5	4.00	
	Q1626	1,210	251.4 GPM @ 350 RPM	260.1 GPM @ 425 RPM	0.6120	3.000	5	4.00	
	Q1628	1,040	291.6 GPM @ 350 RPM	354.0 GPM @ 425 RPM	0.8330	3.500	5	4.00	
	Q1630	910	334.7 GPM @ 350 RPM	406.4 GPM @ 425 RPM	0.9562	3.750	5	4.00	
	Q1632	800	380.8 GPM @ 350 RPM	462.4 GPM @ 425 RPM	1.0880	4.00	5	4.00	
	Q1634	710	429.9 GPM @ 350 RPM	522.0 GPM @ 425 RPM	1.2282	4.250	5	4.00	
	Q1636	630	482.0 GPM @ 350 RPM	585.2 GPM @ 425 RPM	1.3770	4.500	5	4.00	
	Q1811	8,400	47.7 GPM @ 330 RPM	57.8 GPM @ 400 RPM	0.1446	1.375	5	4.50	
	Q1812	7,100	56.8 GPM @ 330 RPM	68.8 GPM @ 400 RPM	0.1721	1.500	5	4.50	
	Q1814	5,200	77.3 GPM @ 330 RPM	93.7 GPM @ 400 RPM	0.2343	1.750	5	4.50	
	Q1816	4,000	101.0 GPM @ 330 RPM	122.4 GPM @ 400 RPM	0.3060	2.000	5	4.50	
	Q1818	3,100	127.8 GPM @ 330 RPM	154.9 GPM @ 400 RPM	0.3872	2.250	5	4.50	
	Q1820	2,500	157.8 GPM @ 330 RPM	191.2 GPM @ 400 RPM	0.4781	2.500	5	4.50	
Q18	Q1822	2,100	190.9 GPM @ 330 RPM	231.4 GPM @ 400 RPM	0.5785	2.750	5	4.50	
265/325 HP	Q1824	1,800	227.2 GPM @ 330 RPM	275.4 GPM @ 400 RPM	0.6885	3.000	5	4.50	
	Q1826	1,500	266.6 GPM @ 330 RPM	323.2 GPM @ 400 RPM	0.8080	3.250	5	4.50	
	Q1828	1,300	309.2 GPM @ 330 RPM	374.8 GPM @ 400 RPM	0.9371	3.500	5	4.50	
	Q1830	1,100	355.0 GPM @ 330 RPM	430.3 GPM @ 400 RPM	1.0758	3.750	5	4.50	
	Q1832	1,000	403.9 GPM @ 330 RPM	489.6 GPM @ 400 RPM	1.2240	4.000	5	4.50	
	Q1834	900	456.0 GPM @ 330 RPM	552.7 GPM @ 400 RPM	1.3818	4.250	5	4.50	
	Q1836	800	511.2 GPM @ 330 RPM	619.6 GPM @ 400 RPM	1.5491	4.500	5	4.50	

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		PLUNGER			26.0	90%				•	•	•		
	2,400	PLUNGER	53.5	29.0	26.0	<u>90%</u>				• •	•	<ul> <li>▼</li> <li>♦</li> </ul>	•	
	2,400 2,400	PLUNGER	53.5 53.5	29.0 29.0	26.0	90% 90%				•	•	•	•	
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	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
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	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	*	•	•	•	•	•	
	2,400	BOTH	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	4,500	PLUNGER	53.5	52.0	27.0	90%				<ul><li>◆</li><li>◆</li></ul>	•	<ul><li>♦</li><li>♦</li></ul>	•	
	4,500	PLUNGER PLUNGER	53.5	52.0	27.0	90% 90%				<ul><li>▼</li><li>♦</li></ul>	• •	▼	<ul><li>♦</li></ul>	
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	4,500	PLUNGER	53.5	52.0	27.0	90%		•	•	•	•	•	•	
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	4,500	BOTH	53.5	52.0	27.0	90%	•	•	<b>*</b>	•	•	•	•	
	4,500	BOTH	53.5	52.0	27.0	90%	•	•	•	<b>*</b>	•	<b>•</b>	•	
	4,500	PLUNGER PLUNGER	53.5	52.0	27.0	90% 90%				* *	• •	<ul><li>♦</li></ul>	<ul><li>★</li><li>★</li></ul>	
	4,500 4,500	PLUNGER	53.5 53.5	52.0 52.0	27.0 27.0	90% 90%				<ul><li>▼</li><li>♦</li></ul>	<ul><li>▼</li><li>♦</li></ul>	<ul> <li>▼</li> <li>↓</li> </ul>	<ul> <li>▼</li> <li>↓</li> </ul>	
	4,500	PLUNGER	53.5	52.0	27.0	90% 90%				•	•	•	•	
	4,500	PLUNGER	53.5	52.0	27.0	90%		•	•	• •	•	•	•	
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## 350 – 650 HP Pump Specifications

And         And <th>350 0</th> <th>550 111</th> <th>1 un</th> <th>ip opeemean</th> <th>0115</th> <th></th> <th></th> <th></th> <th></th> <th></th>	350 0	550 111	1 un	ip opeemean	0115					
Maßiz         10.000         3§5 CPM @ 240 RPM         4§3.2 CPM @ 300 RPM         0.2167         1.750         3         7.00           M2814         10.000         52.5 CPM @ 240 RPM         85,7 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2816         7.90         66.5 CPM @ 240 RPM         155 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2810         5.100         1071 CPM @ 240 RPM         1185 CPM @ 300 RPM         0.4462         2.500         3         7.00           M2822         4.200         129.6 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3.540         154.2 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5742         3.290         3         7.00           M2825         2.600         20.9 GPM @ 240 RPM         301.2 CPM @ 300 RPM         0.5746         3500         3         7.00           M2824         1.990         274.2 CPM @ 240 RPM         391.2 CPM @ 300 RPM         1.0414         4.000         3         7.00           M2834         1.760         30.95 CPM @ 240 RPM         392.7 CPM @ 300 RPM         1.4544         4.50         3         7.00			/	/ /	/			1.0	/	/
Maßiz         10.000         3§5 CPM @ 240 RPM         4§3.2 CPM @ 300 RPM         0.2167         1.750         3         7.00           M2814         10.000         52.5 CPM @ 240 RPM         85,7 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2816         7.90         66.5 CPM @ 240 RPM         155 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2810         5.100         1071 CPM @ 240 RPM         1185 CPM @ 300 RPM         0.4462         2.500         3         7.00           M2822         4.200         129.6 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3.540         154.2 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5742         3.290         3         7.00           M2825         2.600         20.9 GPM @ 240 RPM         301.2 CPM @ 300 RPM         0.5746         3500         3         7.00           M2824         1.990         274.2 CPM @ 240 RPM         391.2 CPM @ 300 RPM         1.0414         4.000         3         7.00           M2834         1.760         30.95 CPM @ 240 RPM         392.7 CPM @ 300 RPM         1.4544         4.50         3         7.00				asil ut	the state of the s	<sup>i</sup> cl		willo.		ers/
Maßiz         10.000         3§5 CPM @ 240 RPM         4§3.2 CPM @ 300 RPM         0.2167         1.750         3         7.00           M2814         10.000         52.5 CPM @ 240 RPM         85,7 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2816         7.90         66.5 CPM @ 240 RPM         155 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2810         5.100         1071 CPM @ 240 RPM         1185 CPM @ 300 RPM         0.4462         2.500         3         7.00           M2822         4.200         129.6 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3.540         154.2 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5742         3.290         3         7.00           M2825         2.600         20.9 GPM @ 240 RPM         301.2 CPM @ 300 RPM         0.5746         3500         3         7.00           M2824         1.990         274.2 CPM @ 240 RPM         391.2 CPM @ 300 RPM         1.0414         4.000         3         7.00           M2834         1.760         30.95 CPM @ 240 RPM         392.7 CPM @ 300 RPM         1.4544         4.50         3         7.00				ell 50t	mil		a er		r lin' win	×/
Maßiz         10.000         3§5 CPM @ 240 RPM         4§3.2 CPM @ 300 RPM         0.2167         1.750         3         7.00           M2814         10.000         52.5 CPM @ 240 RPM         85,7 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2816         7.90         66.5 CPM @ 240 RPM         155 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2810         5.100         1071 CPM @ 240 RPM         1185 CPM @ 300 RPM         0.4462         2.500         3         7.00           M2822         4.200         129.6 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3.540         154.2 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5742         3.290         3         7.00           M2825         2.600         20.9 GPM @ 240 RPM         301.2 CPM @ 300 RPM         0.5746         3500         3         7.00           M2824         1.990         274.2 CPM @ 240 RPM         391.2 CPM @ 300 RPM         1.0414         4.000         3         7.00           M2834         1.760         30.95 CPM @ 240 RPM         392.7 CPM @ 300 RPM         1.4544         4.50         3         7.00		ries		essuit auou	oitte		erte	net	» / چ /	
Maßiz         10.000         3§5 CPM @ 240 RPM         4§3.2 CPM @ 300 RPM         0.2167         1.750         3         7.00           M2814         10.000         52.5 CPM @ 240 RPM         85,7 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2816         7.90         66.5 CPM @ 240 RPM         155 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2810         5.100         1071 CPM @ 240 RPM         1185 CPM @ 300 RPM         0.4462         2.500         3         7.00           M2822         4.200         129.6 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3.540         154.2 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5742         3.290         3         7.00           M2825         2.600         20.9 GPM @ 240 RPM         301.2 CPM @ 300 RPM         0.5746         3500         3         7.00           M2824         1.990         274.2 CPM @ 240 RPM         391.2 CPM @ 300 RPM         1.0414         4.000         3         7.00           M2834         1.760         30.95 CPM @ 240 RPM         392.7 CPM @ 300 RPM         1.4544         4.50         3         7.00	5			A Pre ontilicity	tern city		nsp	Dian	wer ye	(III.)
Maßiz         10.000         3§5 CPM @ 240 RPM         4§3.2 CPM @ 300 RPM         0.2167         1.750         3         7.00           M2814         10.000         52.5 CPM @ 240 RPM         85,7 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2816         7.90         66.5 CPM @ 240 RPM         155 CPM @ 300 RPM         0.2856         2.000         3         7.00           M2810         5.100         1071 CPM @ 240 RPM         1185 CPM @ 300 RPM         0.4462         2.500         3         7.00           M2822         4.200         129.6 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3.540         154.2 CPM @ 240 RPM         192.8 CPM @ 300 RPM         0.5742         3.290         3         7.00           M2825         2.600         20.9 GPM @ 240 RPM         301.2 CPM @ 300 RPM         0.5746         3500         3         7.00           M2824         1.990         274.2 CPM @ 240 RPM         391.2 CPM @ 300 RPM         1.0414         4.000         3         7.00           M2834         1.760         30.95 CPM @ 240 RPM         392.7 CPM @ 300 RPM         1.4544         4.50         3         7.00	ount	Mode	2 at	et Co Ros	In apar	(a)			unt strok	
M281         10,000         52.5 GPM @ 240 RPM         65.6 GPM @ 100 RPM         0.2187         1.750         3         7.00           M8816         7,960         68.5 GPM @ 240 RPM         85.7 GPM @ 100 RPM         0.3157         2.250         3         7.00           M2810         5,100         107.1 GPM @ 240 RPM         133.9 GPM @ 300 RPM         0.4462         2.500         3         7.00           M2820         5,100         107.1 GPM @ 240 RPM         162.0 GPM @ 300 RPM         0.4462         2.500         3         7.00           M2824         4,200         129.6 GPM @ 240 RPM         122.63 GPM @ 300 RPM         0.4462         3.500         3         7.00           M2824         2,400         2,100 RPM @ 240 RPM         22.64 GPM @ 300 RPM         1.0741         3.750         3         7.00           M2839         2,400         2,10 CPM @ 240 RPM         342.7 GPM @ 300 RPM         1.1424         4.000         3         7.00           M2834         1,760         30.9 GPM @ 240 RPM         336.9 GPM @ 300 RPM         1.4867         4.250         3         7.00           M2843         1,760         30.9 GPM @ 240 RPM         336.9 GPM @ 300 RPM         1.4867         3.700         1         38.9 GPM         3	×			<u> </u>		$\angle$				$\square$
M2816         7.960         68.5 GPM (@. 240 RPM         85.7 GPM (@. 300 RPM         0.2856         2.000         3         7.90           Ma818         6.300         86.8 GPM (@. 240 RPM         108.5 GPM (@. 300 RPM         0.4462         2.500         3         7.90           Ma820         5.100         107.1 GPM (@. 240 RPM         119.26 GPM (@. 300 RPM         0.5400         2.750         3         7.90           Ma824         3.540         154.2 GPM (@. 240 RPM         192.8 GPM (@. 300 RPM         0.5420         3.700         1           Ma836         3.015         181.0 GPM (@. 240 RPM         122.8 GPM (@. 300 RPM         0.5420         3         7.00           Ma836         2.600         20.99 GPM (@. 240 RPM         262.4 GPM (@. 300 RPM         0.8746         3500         3         7.00           Ma837         1.900         274.2 GPM (@. 240 RPM         30.12 GPM (@. 300 RPM         1.4874         4.500         3         7.00           Ma838         1.600         347.0 GPM (@. 240 RPM         347.0 GPM (@. 300 RPM         1.4897         4.250         3         7.00           Ma834         1.700         347.0 GPM (@. 240 RPM         355.0 GPM (@. 300 RPM         1.4897         4.250         3         7.00	(		10,000		1 05		1.500	3	7.00	
M2818         6.300         86.8 GPM @ 240 RPM         108.5 GPM @ 300 RPM         0.3015         2.250         3         7.00           M2822         4.200         129.0 GPM @ 240 RPM         133.9 GPM @ 300 RPM         0.446         2.500         3         7.00           M2822         4.200         129.0 GFM @ 240 RPM         192.8 GPM @ 300 RPM         0.6426         3.000         3         7.00           M2842         3.540         154.2 GPM @ 240 RPM         1263.3 GPM @ 300 RPM         0.6742         3.250         3         7.00           M2828         2.600         2099 GFM @ 240 RPM         262.4 GPM @ 300 RPM         1.041         3.750         3         7.00           M2830         2.460         241.0 GPM @ 240 RPM         386.9 GFM @ 300 RPM         1.041         3.750         3         7.00           M2834         1.760         309.5 GFM @ 240 RPM         386.9 GFM @ 300 RPM         1.041         3.750         3         7.00           M2836         1.400         386.6 GFM @ 240 RPM         433.7 GFM @ 300 RPM         1.455         5.50         3         7.00           M2841         1.050         515.4 GFM @ 240 RPM         433.7 GFM @ 300 RPM         1.455         5.700         3         7.00			10,000		, <u>,</u>	· · ·	1.750	3	7.00	
Ma8ac         Siloo         107.1 GPM @ 440 RPM         133.9 GPM @ 300 RPM         0.446         2.500         3         7.00           Ma8z2         4.200         129.6 GPM @ 440 RPM         162.0 GPM @ 300 RPM         0.6440         3.000         3         7.00           Ma8z4         3.540         154.2 GPM @ 440 RPM         192.8 GPM @ 300 RPM         0.6440         3.000         3         7.00           Ma8z4         3.015         181.0 GPM @ 440 RPM         226.3 GPM @ 300 RPM         0.7542         3.250         3         7.00           Ma8z6         2.060         209.9 GPM @ 240 RPM         301.2 GPM @ 300 RPM         0.6744         3.500         3         7.00           Ma83a         1.990         27.42 GPM @ 240 RPM         301.2 GPM @ 300 RPM         1.041         37.50         3         7.00           Ma83a         1.990         27.42 GPM @ 240 RPM         432.7 GPM @ 300 RPM         1.1424         4.000         3         7.00           Ma83a         1.490         366 GPM @ 240 RPM         433.7 GPM @ 300 RPM         1.6110         4.750         3         7.00           Ma84a         1.490         366 GPM @ 240 RPM         535.5 GPM @ 300 RPM         1.6110         4.750         3         7.00 <tr< td=""><td></td><td></td><td>7,960</td><td></td><td>5, 85</td><td>-</td><td>2.000</td><td>3</td><td>7.00</td><td></td></tr<>			7,960		5, 85	-	2.000	3	7.00	
M2822         4.200         1996 GPM @ 240 RPM         162.0 GPM @ 300 RPM         0.5400         2.750         3         7.00           M2824         3540         154.2 GPM @ 240 RPM         192.8 GPM @ 300 RPM         0.6426         3.000         3         7.00           M2826         3.015         181.0 GPM @ 240 RPM         202.4 GPM @ 300 RPM         0.6426         3.000         3         7.00           M2828         2.600         2.999 GPM @ 240 RPM         202.4 GPM @ 300 RPM         0.0512         3         7.00           M2839         2.260         241.0 GPM @ 240 RPM         301.2 GPM @ 300 RPM         1.0241         3.700         3         7.00           M2831         1.960         3.095 GPM @ 240 RPM         342.7 GPM @ 300 RPM         1.1244         4.000         3         7.00           M2836         1.400         386.6 GPM @ 240 RPM         3355 GPM @ 300 RPM         1.1245         4.250         3         7.00           M2848         1.400         386.6 GPM @ 240 RPM         590.4 GPM @ 300 RPM         1.4458         4.500         3         7.00           M2844         1.055         514.4 GPM @ 240 RPM         590.4 GPM @ 300 RPM         2.198         5.500         3         7.00           M2848 </td <td></td> <td></td> <td>6,300</td> <td>86.8 GPM @ 240 RPM</td> <td>108.5 GPM @ 300 RPM</td> <td>0.3615</td> <td>2.250</td> <td>3</td> <td>7.00</td> <td></td>			6,300	86.8 GPM @ 240 RPM	108.5 GPM @ 300 RPM	0.3615	2.250	3	7.00	
M2824         3,540         154.2 GPM @ 240 RPM         192.8 GPM @ 300 RPM         0.642.6         3.000         3         7.00           M2826         3,015         181.0 GPM @ 240 RPM         226.3 GPM @ 300 RPM         0.7542         3.250         3         7.00           M2828         2,600         20.90 GPM @ 240 RPM         216.2 GPM @ 300 RPM         10.041         3.700         3         7.00           M2830         2,260         24.10 GPM @ 240 RPM         30.12 GPM @ 300 RPM         1.041         3.700         3         7.00           M2831         1.900         274.2 GPM @ 240 RPM         342.7 GPM @ 300 RPM         1.444         4.000         3         7.00           M2834         1.700         309.5 GPM @ 240 RPM         383.7 GPM @ 300 RPM         1.445         4.250         3         7.00           M2838         1.400         386.6 GPM @ 240 RPM         483.3 GPM @ 300 RPM         1.6110         4.750         3         7.00           M2840         1.255         472.3 GPM @ 240 RPM         595.5 GPM @ 300 RPM         1.7850         5.500         3         7.00           M2846         960         5666 GPM @ 240 RPM         70.1 GPM @ 300 RPM         2.570         5         7.00           M2848		M2820	5,100	107.1 GPM @ 240 RPM	133.9 GPM @ 300 RPM	0.4462	2.500	3	7.00	
Mass         Mass <th< td=""><td></td><td>M2822</td><td>4,200</td><td>129.6 GPM @ 240 RPM</td><td>162.0 GPM @ 300 RPM</td><td>0.5400</td><td>2.750</td><td>3</td><td>7.00</td><td></td></th<>		M2822	4,200	129.6 GPM @ 240 RPM	162.0 GPM @ 300 RPM	0.5400	2.750	3	7.00	
M28         M2828         2,600         209,9 GPM @ 240 RPM         262,4 GPM @ 300 RPM         0.8746         3,500         3         7,00           M2830         2,260         241.0 GPM @ 240 RPM         301.2 GPM @ 300 RPM         1.041         3,750         3         7,00           M2832         1.990         274.2 GPM @ 240 RPM         342.7 GPM @ 300 RPM         1.1424         4.000         3         7,00           M2834         1.760         309,5 GPM @ 240 RPM         343.7 GPM @ 300 RPM         1.1424         4.000         3         7,00           M2836         1.570         347.0 GPM @ 240 RPM         386.9 GPM @ 300 RPM         1.6110         4.750         3         7,00           M2844         1.025         428.4 GPM @ 240 RPM         535.5 GPM @ 300 RPM         1.9680         5.250         3         7,00           M2844         1.050         518.4 GPM @ 240 RPM         50.4 GPM @ 300 RPM         2.3607         5,750         3         7,00           M2844         1.050         518.4 GPM @ 240 RPM         79.16 GPM @ 300 RPM         2.3607         5,750         3         7,00           M2846         960         566.6 GPM @ 240 RPM         79.16 GPM @ 300 RPM         2.3607         5,700         2.3607 <td< td=""><td></td><td>M2824</td><td>3,540</td><td></td><td>192.8 GPM @ 300 RPM</td><td>0.6426</td><td>3.000</td><td>3</td><td>7.00</td><td></td></td<>		M2824	3,540		192.8 GPM @ 300 RPM	0.6426	3.000	3	7.00	
M28 350/440 HP         M2830         2,260         241.0 GPM @ 240 RPM         301.2 GPM @ 300 RPM         1.0041         3.750         3         7.00           M2832         1.990         274.2 GPM @ 240 RPM         342.7 GPM @ 300 RPM         1.1424         4.000         3         7.00         1           M2834         1.760         309.5 GPM @ 240 RPM         386.9 GPM @ 300 RPM         1.2897         4.250         3         7.00         1           M2834         1.760         384.0 GPM @ 240 RPM         483.7 GPM @ 300 RPM         1.6110         4.750         3         7.00         1           M2840         1.275         488.4 GPM @ 240 RPM         483.7 GPM @ 300 RPM         1.9650         5.250         3         7.00         1           M2842         1.155         472.3 GPM @ 240 RPM         647.9 GPM @ 300 RPM         2.1595         5.500         3         7.00         1           M2844         1.050         518.4 GPM @ 240 RPM         798.2 GPM @ 300 RPM         2.1595         5.500         3         7.00         1           M2850         815         669.4 GPM @ 240 RPM         793.1 GPM @ 300 RPM         2.1595         5.500         3         7.00           Q2816         8.750         114.2 GPM @ 240 R		M2826	3,015	181.0 GPM @ 240 RPM		0.7542	3.250	3	7.00	
350/440 HP         M2832         1.990         274.2 CPM @ 240 RPM         342.7 GPM @ 300 RPM         1.1424         4.000         3         7.00           M2834         1.760         309.5 GPM @ 240 RPM         386.9 GPM @ 300 RPM         1.2897         4.250         3         7.00           M2836         1.570         347.0 GPM @ 240 RPM         433.7 GPM @ 300 RPM         1.6110         4.750         3         7.00           M2838         1.400         386.6 GPM @ 240 RPM         535.5 GPM @ 300 RPM         1.6110         4.750         3         7.00           M2844         1.055         518.4 GPM @ 240 RPM         590.4 GPM @ 300 RPM         1.9680         5.250         3         7.00           M2844         1.050         518.4 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2844         1.050         518.4 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.2574         6.000         3         7.00           M2845         880         616.9 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1750         5         7.00           M2850         815         669.4 GPM @ 240 RPM         142.8 GPM @ 300 RPM         0.3644         1750         5 <td< td=""><td></td><td>M2828</td><td>2,600</td><td>209.9 GPM @ 240 RPM</td><td>262.4 GPM @ 300 RPM</td><td>0.8746</td><td>3.500</td><td>3</td><td>7.00</td><td></td></td<>		M2828	2,600	209.9 GPM @ 240 RPM	262.4 GPM @ 300 RPM	0.8746	3.500	3	7.00	
M2834         1760         399.5 GPM @ 240 RPM         386.9 GPM @ 300 RPM         1.2897         4.250         3         7.00           M2836         1.570         347.0 GPM @ 240 RPM         433.7 GPM @ 300 RPM         1.4455         4.500         3         7.00           M2838         1.400         386.6 GPM @ 240 RPM         433.7 GPM @ 300 RPM         1.6110         4.750         3         7.00           M2840         1.275         428.4 GPM @ 240 RPM         595.5 GPM @ 300 RPM         1.9680         5.250         3         7.00           M2842         1.155         472.3 GPM @ 240 RPM         595.5 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2844         1.050         518.4 GPM @ 240 RPM         705.2 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2845         960         566.6 GPM @ 240 RPM         771.1 GPM @ 300 RPM         2.3504         6.000         3         7.00           M2848         880         616.9 GPM @ 240 RPM         142.8 GPM @ 300 RPM         2.3504         6.250         3         7.00           Q2814         10.000         87.5 GPM @ 240 RPM         163.0 GPM @ 300 RPM         0.3644         1.750         5         7.00 <t< td=""><td></td><td>M2830</td><td>2,260</td><td>241.0 GPM @ 240 RPM</td><td>301.2 GPM @ 300 RPM</td><td>1.0041</td><td>3.750</td><td>3</td><td>7.00</td><td></td></t<>		M2830	2,260	241.0 GPM @ 240 RPM	301.2 GPM @ 300 RPM	1.0041	3.750	3	7.00	
M2836         1,570         347.0 GPM @ 240 RPM         433.7 GPM @ 300 RPM         1.4458         4.500         3         7.00           M2838         1,400         386.6 GPM @ 240 RPM         483.3 GPM @ 300 RPM         1.6110         4.750         3         7.00           M2840         1,275         428.4 GPM @ 240 RPM         535.5 GPM @ 300 RPM         1.7850         5.000         3         7.00           M2841         1.155         472.3 GPM @ 240 RPM         590.4 GPM @ 300 RPM         1.9680         5.250         3         7.00           M2844         1.055         518.4 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2846         960         566.6 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         103.00 RPM         0.3644         1750         5         7.00           Q2814         10.000         87.5 GPM @ 240 RPM         103.2 GPM @ 300 RPM         0.4764         2.250         5         7.00           Q2816         6.920         144.6 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.4743         2.500         5         7.00	350/440 HP	M2832	1,990	274.2 GPM @ 240 RPM		1.1424	4.000	3	7.00	
M2838         1,400         386.6 GPM @ 240 RPM         483.3 GPM @ 300 RPM         1.6110         4.750         3.         7.00           M2840         1.275         428.4 GPM @ 240 RPM         535.5 GPM @ 300 RPM         1.7850         5.000         3.         7.00           M2842         1.155         472.3 GPM @ 240 RPM         590.4 GPM @ 300 RPM         1.9680         5.250         3.         7.00           M2844         1.050         5184.4 GPM @ 240 RPM         7082.6 GPM @ 300 RPM         2.1598         5.500         3.         7.00         1.           M2846         960         566.6 GPM @ 240 RPM         7082.6 GPM @ 300 RPM         2.3607         5.750         3.         7.00         1.           M2848         880         616.9 GPM @ 240 RPM         7082.6 GPM @ 300 RPM         2.3607         5.750         3.         7.00         1.           M2841         10,000         875 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1.750         5.         7.00         1.           Q2816         6,920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.3644         1.750         5.         7.00         1.           Q2818         6,920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 R		M2834	1,760	309.5 GPM @ 240 RPM	386.9 GPM @ 300 RPM	1.2897	4.250	3	7.00	
M2840         1,275         428.4 GPM @ 240 RPM         535.5 GPM @ 300 RPM         1,7850         5.000         3         7.00           M2842         1,155         472.3 GPM @ 240 RPM         590.4 GPM @ 300 RPM         1.9680         5.250         3         7.00           M2844         1.050         518.4 GPM @ 240 RPM         647.9 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2846         960         566.6 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1.750         5         7.00           Q2816         8.750         114.2 GPM @ 240 RPM         128.6 GPM @ 300 RPM         0.4624         2.250         5         7.00           Q2820         5.600         178.5 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.4760         2.500         5         7.00		M2836	1,570	347.0 GPM @ 240 RPM	433.7 GPM @ 300 RPM	1.4458	4.500	3	7.00	
M2842         1.155         472.3 GPM @ 240 RPM         590.4 GPM @ 300 RPM         1.9680         5.250         3         7.00           M2844         1.050         518.4 GPM @ 240 RPM         647.9 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2846         960         566.6 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         771.1 GPM @ 300 RPM         2.5704         6.000         3         7.00         10           M2850         815         669.4 GPM @ 240 RPM         109.3 GPM @ 300 RPM         2.4301         6.050         3         7.00         10           Q2814         10,000         87.5 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.344         1.750         5         7.00           Q2816         8.750         114.2 GPM @ 240 RPM         182.7 GPM @ 300 RPM         0.6024         2.250         5         7.00         10           Q2816         8.750         114.2 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.6024         2.250         5         7.00         10           Q2826         3.310         30.17 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710		M2838	1,400	386.6 GPM @ 240 RPM	483.3 GPM @ 300 RPM	1.6110	4.750	3	7.00	
M2844         1,050         518.4 GPM @ 240 RPM         647.9 GPM @ 300 RPM         2.1598         5.500         3         7.00           M2846         960         566.6 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         771.1 GPM @ 300 RPM         2.5704         6.000         3         7.00           M2850         815         669.4 GPM @ 240 RPM         836.7 GPM @ 300 RPM         0.370         4.1750         5         7.00           Q2814         10.000         87.5 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.344         1.750         5         7.00           Q2818         6.920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.6024         2.250         5         7.00           Q2812         4.630         216.0 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.6024         2.250         5         7.00           Q2824         3.690         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         0.6171         3.000         5         7.00           Q2826         3.310         301.7 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00		M2840	1,275	428.4 GPM @ 240 RPM	535.5 GPM @ 300 RPM	1.7850	5.000	3	7.00	
M2846         960         566.6 GPM @ 240 RPM         708.2 GPM @ 300 RPM         2.3607         5.750         3         7.00           M2848         880         616.9 GPM @ 240 RPM         771.1 GPM @ 300 RPM         2.5704         6.000         3         7.00           M2850         815         669.4 GPM @ 240 RPM         836.7 GPM @ 300 RPM         2.7891         6.250         3         7.00           Q2814         10.000         87.5 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1.750         5         7.00           Q2816         8.750         114.2 GPM @ 240 RPM         142.8 GPM @ 300 RPM         0.4760         2.000         5         7.00           Q2816         6.920         144.6 GPM @ 240 RPM         1223.1 GPM @ 300 RPM         0.6024         2.250         5         7.00           Q2820         5.600         178.5 GPM @ 240 RPM         321.3 GPM @ 300 RPM         0.7037         2.500         5         7.00           Q2820         5.600         178.5 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2824         3.890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.2569         3.250         5         7.00 <t< td=""><td></td><td>M2842</td><td>1,155</td><td>472.3 GPM @ 240 RPM</td><td>590.4 GPM @ 300 RPM</td><td>1.9680</td><td>5.250</td><td>3</td><td>7.00</td><td></td></t<>		M2842	1,155	472.3 GPM @ 240 RPM	590.4 GPM @ 300 RPM	1.9680	5.250	3	7.00	
M2848         880         616.9 GPM @ 240 RPM         771.1 GPM @ 300 RPM         2.570         6.000         3         7.00           M2850         815         669.4 GPM @ 240 RPM         836.7 GPM @ 300 RPM         2.7891         6.250         3         7.00           Q2814         10.000         87.5 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1.750         5         7.00           Q2816         8.750         114.2 GPM @ 240 RPM         142.8 GPM @ 300 RPM         0.4760         2.000         5         7.00           Q2818         6.920         144.6 GPM @ 240 RPM         128.1 GPM @ 300 RPM         0.4760         2.000         5         7.00           Q2812         5,600         178.5 GPM @ 240 RPM         128.1 GPM @ 300 RPM         0.7437         2.500         5         7.00           Q2822         4,630         2160 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.4577         3.500         5         7.00 <tr< td=""><td></td><td>M2844</td><td>1,050</td><td>518.4 GPM @ 240 RPM</td><td>647.9 GPM @ 300 RPM</td><td>2.1598</td><td>5.500</td><td>3</td><td>7.00</td><td></td></tr<>		M2844	1,050	518.4 GPM @ 240 RPM	647.9 GPM @ 300 RPM	2.1598	5.500	3	7.00	
M2850         815         669.4 GPM @ 240 RPM         8367 GPM @ 300 RPM         2.7891         6.250         3         7.00           Q2814         10,000         87.5 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1.750         5         7.00           Q2816         8,750         114.2 GPM @ 240 RPM         142.8 GPM @ 300 RPM         0.4760         2.000         5         7.00           Q2818         6,920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.6024         2.250         5         7.00           Q2820         5,600         178.5 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.7437         2.500         5         7.00           Q2822         4,630         216.0 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.7437         2.500         5         7.00           Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2820         2,460         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.6734         1.750         5         7.00		M2846	960	566.6 GPM @ 240 RPM	708.2 GPM @ 300 RPM	2.3607	5.750	3	7.00	
Q2814         10,000         87.5 GPM @ 240 RPM         109.3 GPM @ 300 RPM         0.3644         1.750         5         7.00           Q2816         8.750         114.2 GPM @ 240 RPM         142.8 GPM @ 300 RPM         0.4760         2.000         5         7.00         1           Q2818         6.920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.6024         2.250         5         7.00         1           Q2820         5.600         178.5 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.6024         2.250         5         7.00         1           Q2822         4.630         216.0 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.7437         2.500         5         7.00         1           Q2824         3.890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00         1           Q2826         3.310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00         1           Q2826         2.860         349.8 GPM @ 240 RPM         597.1 GPM @ 300 RPM         1.4577         3.500         5         7.00         1           Q28         2.860         349.8 GPM @ 240 RPM		M2848	880	616.9 GPM @ 240 RPM	771.1 GPM @ 300 RPM	2.5704	6.000	3	7.00	
Q2816         8,750         114.2 GPM @ 240 RPM         142.8 GPM @ 300 RPM         0.4760         2.000         5         7.00           Q2818         6,920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.6024         2.250         5         7.00           Q2820         5,600         178.5 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.7437         2.500         5         7.00           Q2822         4,630         216.0 GPM @ 240 RPM         270.0 GPM @ 300 RPM         0.8999         2.750         5         7.00           Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2828         2,860         349.8 GPM @ 240 RPM         437.3 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00		M2850	815	669.4 GPM @ 240 RPM	836.7 GPM @ 300 RPM	2.7891	6.250	3	7.00	
Q2818         6.920         144.6 GPM @ 240 RPM         180.7 GPM @ 300 RPM         0.6024         2.250         5         7.00           Q2820         5,600         178.5 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.7437         2.500         5         7.00           Q2822         4,630         216.0 GPM @ 240 RPM         270.0 GPM @ 300 RPM         0.8999         2.750         5         7.00           Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2828         2,860         349.8 GPM @ 240 RPM         437.3 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.4577         3.500         5         7.00		Q2814	10,000	87.5 GPM @ 240 RPM	109.3 GPM @ 300 RPM	0.3644	1.750	5	7.00	
Q2820         5,600         178.5 GPM @ 240 RPM         223.1 GPM @ 300 RPM         0.7437         2.500         5         7.00           Q2822         4,630         216.0 GPM @ 240 RPM         270.0 GPM @ 300 RPM         0.8899         2.750         5         7.00         1           Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.6734         1.750         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.		Q2816	8,750	114.2 GPM @ 240 RPM	142.8 GPM @ 300 RPM	0.4760	2.000	5	7.00	
Q282         4,630         216.0 GPM @ 240 RPM         270.0 GPM @ 300 RPM         0.899         2.750         5         7.00           Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2826         2,860         349.8 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.6734         1.750         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00		Q2818	6,920	144.6 GPM @ 240 RPM	180.7 GPM @ 300 RPM	0.6024	2.250	5	7.00	
Q2824         3,890         257.0 GPM @ 240 RPM         321.3 GPM @ 300 RPM         1.0710         3.000         5         7.00           Q2826         3,310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2828         2,860         349.8 GPM @ 240 RPM         437.3 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.6734         1.750         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.940         4.000         5         7.00           Q2834         1.940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1.730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1.730         578.3 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2840         1.400         714.0 GPM @ 240 RPM         892.5 GPM @ 300 RPM         2.9750         5.000         5         7.00		Q2820	5,600	178.5 GPM @ 240 RPM	223.1 GPM @ 300 RPM	0.7437	2.500	5	7.00	
Q282         3,310         301.7 GPM @ 240 RPM         377.1 GPM @ 300 RPM         1.2569         3.250         5         7.00           Q2828         2,860         349.8 GPM @ 240 RPM         437.3 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.6734         1.750         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2840         1,400         714.0 GPM @ 240 RPM         892.5 GPM @ 300 RPM         2.6849         4.750         5         7.00           Q2842         1,270         787.2 GPM @ 240 RPM         892.5 GPM @ 300 RPM         3.2799         5.250         5         7.00		Q2822	4,630	216.0 GPM @ 240 RPM	270.0 GPM @ 300 RPM	0.8999	2.750	5	7.00	
Q28         Q2828         2,860         349.8 GPM @ 240 RPM         437.3 GPM @ 300 RPM         1.4577         3.500         5         7.00           Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.6734         1.750         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2838         1,550         644.4 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.6849         4.750         5         7.00           Q2840         1,400         714.0 GPM @ 240 RPM         892.5 GPM @ 300 RPM         2.9750         5.000         5         7.00           Q2842         1,270         787.2 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.2799         5.250         5 <t< td=""><td></td><td>Q2824</td><td>3,890</td><td>257.0 GPM @ 240 RPM</td><td>321.3 GPM @ 300 RPM</td><td>1.0710</td><td>3.000</td><td>5</td><td>7.00</td><td></td></t<>		Q2824	3,890	257.0 GPM @ 240 RPM	321.3 GPM @ 300 RPM	1.0710	3.000	5	7.00	
Q28         Q2830         2,490         401.6 GPM @ 240 RPM         502.0 GPM @ 300 RPM         1.6734         1.750         5         7.00           Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2838         1,550         644.4 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2840         1,400         714.0 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.9750         5.000         5         7.00           Q2842         1,270         787.2 GPM @ 240 RPM         984.0 GPM @ 300 RPM         3.2799         5.250         5         7.00           Q2844         1,160         863.9 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.9344         5.750         5 <t< td=""><td></td><td>Q2826</td><td>3,310</td><td>301.7 GPM @ 240 RPM</td><td>377.1 GPM @ 300 RPM</td><td>1.2569</td><td>3.250</td><td>5</td><td>7.00</td><td></td></t<>		Q2826	3,310	301.7 GPM @ 240 RPM	377.1 GPM @ 300 RPM	1.2569	3.250	5	7.00	
Q28         Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2838         1,550         644.4 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.6849         4.750         5         7.00           Q2840         1,400         714.0 GPM @ 240 RPM         892.5 GPM @ 300 RPM         2.9750         5.000         5         7.00           Q2842         1,270         787.2 GPM @ 240 RPM         984.0 GPM @ 300 RPM         3.2799         5.250         5         7.00           Q2844         1,160         863.9 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.5997         5.500         5         7.00           Q2846         1,060         944.3 GPM @ 240 RPM         1,180.3 GPM @ 300 RPM         3.9344         5.750         5		Q2828	2,860	349.8 GPM @ 240 RPM	437.3 GPM @ 300 RPM	1.4577	3.500	5	7.00	
650/800 HP         Q2832         2,190         457.0 GPM @ 240 RPM         571.2 GPM @ 300 RPM         1.9040         4.000         5         7.00           Q2834         1,940         515.9 GPM @ 240 RPM         644.8 GPM @ 300 RPM         2.1494         4.250         5         7.00           Q2836         1,730         578.3 GPM @ 240 RPM         722.9 GPM @ 300 RPM         2.4097         4.500         5         7.00           Q2838         1,550         644.4 GPM @ 240 RPM         805.5 GPM @ 300 RPM         2.6849         4.750         5         7.00           Q2840         1,400         714.0 GPM @ 240 RPM         892.5 GPM @ 300 RPM         2.9750         5.000         5         7.00           Q2842         1,270         787.2 GPM @ 240 RPM         984.0 GPM @ 300 RPM         3.2799         5.250         5         7.00           Q2844         1,160         863.9 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.5997         5.500         5         7.00           Q2846         1,060         944.3 GPM @ 240 RPM         1,180.3 GPM @ 300 RPM         3.9344         5.750         5         7.00           Q2848         970         1,028.2 GPM @ 240 RPM         1,285.2 GPM @ 300 RPM         3.9344         5.750         5		Q2830	2,490	401.6 GPM @ 240 RPM	502.0 GPM @ 300 RPM	1.6734	1.750	5	7.00	
Q2834       1,940       515.9 GPM @ 240 RPM       644.8 GPM @ 300 RPM       2.1494       4.250       5       7.00         Q2836       1,730       578.3 GPM @ 240 RPM       722.9 GPM @ 300 RPM       2.4097       4.500       5       7.00         Q2838       1,550       644.4 GPM @ 240 RPM       805.5 GPM @ 300 RPM       2.6849       4.750       5       7.00         Q2840       1,400       714.0 GPM @ 240 RPM       892.5 GPM @ 300 RPM       2.9750       5.000       5       7.00         Q2842       1,270       787.2 GPM @ 240 RPM       984.0 GPM @ 300 RPM       3.2799       5.250       5       7.00         Q2844       1,160       863.9 GPM @ 240 RPM       1,079.9 GPM @ 300 RPM       3.5997       5.500       5       7.00         Q2846       1,060       944.3 GPM @ 240 RPM       1,180.3 GPM @ 300 RPM       3.9344       5.750       5       7.00         Q2848       970       1,028.2 GPM @ 240 RPM       1,285.2 GPM @ 300 RPM       3.9344       5.750       5       7.00		Q2832	2,190	457.0 GPM @ 240 RPM	571.2 GPM @ 300 RPM	1.9040	4.000	5	7.00	
Q2838       1,550       644.4 GPM @ 240 RPM       805.5 GPM @ 300 RPM       2.6849       4.750       5       7.00         Q2840       1,400       714.0 GPM @ 240 RPM       892.5 GPM @ 300 RPM       2.9750       5.000       5       7.00         Q2842       1,270       787.2 GPM @ 240 RPM       984.0 GPM @ 300 RPM       3.2799       5.250       5       7.00         Q2844       1,160       863.9 GPM @ 240 RPM       1,079.9 GPM @ 300 RPM       3.5997       5.500       5       7.00         Q2846       1,060       944.3 GPM @ 240 RPM       1,180.3 GPM @ 300 RPM       3.9344       5.750       5       7.00         Q2848       970       1,028.2 GPM @ 240 RPM       1,285.2 GPM @ 300 RPM       3.9344       5.750       5       7.00	050/000 111	Q2834	1,940	515.9 GPM @ 240 RPM	644.8 GPM @ 300 RPM	2.1494	4.250	5	7.00	
Q2838       1,550       644.4 GPM @ 240 RPM       805.5 GPM @ 300 RPM       2.6849       4.750       5       7.00         Q2840       1,400       714.0 GPM @ 240 RPM       892.5 GPM @ 300 RPM       2.9750       5.000       5       7.00         Q2842       1,270       787.2 GPM @ 240 RPM       984.0 GPM @ 300 RPM       3.2799       5.250       5       7.00         Q2844       1,160       863.9 GPM @ 240 RPM       1,079.9 GPM @ 300 RPM       3.5997       5.500       5       7.00         Q2846       1,060       944.3 GPM @ 240 RPM       1,180.3 GPM @ 300 RPM       3.9344       5.750       5       7.00         Q2848       970       1,028.2 GPM @ 240 RPM       1,285.2 GPM @ 300 RPM       4.2840       6.000       5       7.00		Q2836	1,730	578.3 GPM @ 240 RPM	722.9 GPM @ 300 RPM	2.4097	4.500	5	7.00	
Q2840         1,400         714.0 GPM @ 240 RPM         892.5 GPM @ 300 RPM         2.9750         5.000         5         7.00           Q2842         1,270         787.2 GPM @ 240 RPM         984.0 GPM @ 300 RPM         3.2799         5.250         5         7.00           Q2844         1,160         863.9 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.5997         5.500         5         7.00           Q2846         1,060         944.3 GPM @ 240 RPM         1,180.3 GPM @ 300 RPM         3.9344         5.750         5         7.00           Q2848         970         1,028.2 GPM @ 240 RPM         1,285.2 GPM @ 300 RPM         4.2840         6.000         5         7.00		Q2838		644.4 GPM @ 240 RPM	805.5 GPM @ 300 RPM		4.750		7.00	
Q2842         1,270         787.2 GPM @ 240 RPM         984.0 GPM @ 300 RPM         3.2799         5.250         5         7.00           Q2844         1,160         863.9 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.5997         5.500         5         7.00           Q2846         1,060         944.3 GPM @ 240 RPM         1,180.3 GPM @ 300 RPM         3.9344         5.750         5         7.00           Q2848         970         1,028.2 GPM @ 240 RPM         1,285.2 GPM @ 300 RPM         4.2840         6.000         5         7.00						2.9750			7.00	
Q2844         1,160         863.9 GPM @ 240 RPM         1,079.9 GPM @ 300 RPM         3.5997         5.500         5         7.00           Q2846         1,060         944.3 GPM @ 240 RPM         1,180.3 GPM @ 300 RPM         3.9344         5.750         5         7.00           Q2848         970         1,028.2 GPM @ 240 RPM         1,285.2 GPM @ 300 RPM         4.2840         6.000         5         7.00					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-			
Q2846         1,060         944.3 GPM @ 240 RPM         1,180.3 GPM @ 300 RPM         3.9344         5.750         5         7.00           Q2848         970         1,028.2 GPM @ 240 RPM         1,285.2 GPM @ 300 RPM         4.2840         6.000         5         7.00			· · · ·						7.00	
Q2848         970         1,028.2 GPM @ 240 RPM         1,285.2 GPM @ 300 RPM         4.2840         6.000         5         7.00									,	
									,	
Q2850 900 1,115.6 GPM @ 240 RPM 1,394.5 GPM @ 300 RPM 4.6484 6.250 5 7.00		Q2850	900	1,115.6 GPM @ 240 RPM	1,394.5 GPM @ 300 RPM	4.6484	6.250	5		

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	5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	*	
	5,500	PLUNGER	75.0	40.0	36.0	90%				♦	♦	♦	<b>*</b>	
	5,500	PLUNGER	75.0	40.0	36.0	90%				<ul> <li>♦</li> <li>▲</li> </ul>	<ul> <li>♦</li> <li>▲</li> </ul>	<ul> <li>♦</li> <li>▲</li> </ul>	•	
	5,500	PLUNGER PLUNGER	75.0	40.0	36.0	90%				<ul><li>★</li><li>★</li></ul>	* *	<ul><li>♦</li></ul>	* *	
	5,500	PLUNGER	75.0	40.0 40.0	36.0 36.0	90% 90%				<ul><li>▼</li><li>♦</li></ul>	<ul><li>▼</li><li>♦</li></ul>	<ul><li>▼</li><li>♦</li></ul>	<ul><li>▼</li><li>♦</li></ul>	
	5,500	PLUNGER	75.0		36.0	90%				•	•	•	•	
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	5,500	BOTH	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	BOTH	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	BOTH	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	BOTH	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	BOTH	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	ВОТН	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	•	
	5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%				•	•	•	•	
	13,000	PLUNGER	75.0	86.o	38.0	90%				•	*	•	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%				•	•	•	•	
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	13,000	PLUNGER	75.0	86.0	38.0	90%				•	•	•	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%				•	•	•	•	
	13,000	BOTH	75.0	86.0	38.0	90%			•	•	•	•	•	
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	13,000	BOTH	75.0	86.0	38.0	90%			•	•	•	•	•	
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	13,000	BOTH	75.0	86.0	38.0	90%		•	•	•	•	•	•	
	13,000	BOTH	75.0	86.0	38.0	90%		•	•	•	•	•	*	
	13,000	PLUNGER	75.0	86.0	38.0	90%		•	•	•	<b>ب</b>	<b>♦</b>	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%		•	•	•	•	•	•	

## 700 HP Pump Specifications

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PumpS	sties Mode	Rate	of Pressure (Pail Continuous Dut	N Internitent Du	দে ৫৯	ons per per	olution al Diamet	ertin crime	ders
	Q3214	10,000	87.5 GPM @ 210 RPM	125.0 GPM @ 300 RPM	0.4165	1.750	5	8.00	
	Q3216	9,550	114.2 GPM @ 210 RPM	163.2 GPM @ 300 RPM	0.5440	2.000	5	8.00	
	Q3218	7,500	144.6 GPM @ 210 RPM	206.6 GPM @ 300 RPM	0.6885	2.250	5	8.00	
	Q3220	6,125	178.5 GPM @ 210 RPM	255.0 GPM @ 300 RPM	0.8500	2.500	5	8.00	
	Q3222	5,050	216.0 GPM @ 210 RPM	308.6 GPM @ 300 RPM	1.0285	2.750	5	8.00	
	Q3224	4,250	257.0 GPM @ 210 RPM	367.2 GPM @ 300 RPM	1.2240	3.000	5	8.00	
	Q3226	3,620	301.7 GPM @ 210 RPM	431.0 GPM @ 300 RPM	1.4365	3.250	5	8.00	
	Q3228	3,125	349.9 GPM @ 210 RPM	499.8 GPM @ 300 RPM	1.6660	3.500	5	8.00	
Q32	Q3230	2,720	401.6 GPM @ 210 RPM	573.8 GPM @ 300 RPM	1.9125	3.750	5	8.00	
700/1,000	Q3232	2,390	457.0 GPM @ 210 RPM	652.8 GPM @ 300 RPM	2.1760	4.000	5	8.00	
HP	Q3234	2,110	515.9 GPM @ 210 RPM	737.0 GPM @ 300 RPM	2.4565	4.250	5	8.00	
	Q3236	1,890	578.3 GPM @ 210 RPM	826.2 GPM @ 300 RPM	2.7540	4.500	5	8.00	
	Q3238	1,690	644.4 GPM @ 210 RPM	920.6 GPM @ 300 RPM	3.0685	4.750	5	8.00	
	Q3240	1,530	714.0 GPM @ 210 RPM	1,020.0 GPM @ 300 RPM	3.4000	5.000	5	8.00	
	Q3242	1,390	787.2 GPM @ 210 RPM	1,124.6 GPM @ 300 RPM	3.7485	5.250	5	8.00	
	Q3244	1,260	863.9 GPM @ 210 RPM	1,234.2 GPM @ 300 RPM	4.1140	5.500	5	8.00	
	Q3246	1,160	944.3 GPM @ 210 RPM	1,349.0 GPM @ 300 RPM	4.4965	5.750	5	8.00	
	Q3248	1,060	1,028.2 GPM @ 210 RPM	1,468.8 GPM @ 300 RPM	4.8960	6.000	5	8.00	
	Q3250	980	1,115.5 GPM @ 210 RPM	1,593.8 GPM @ 300 RPM	5.3125	6.250	5	8.00	

/	- North	eight (105) Pump	INPE LE	ist in wi	ath in H	eight im	ednarical f	st Ducile	ron Junin	un Bronze	Forsed	athon Steel	ainless ster	el steel stanles steel
	13,000	PLUNGER	75.0	86.0	38.0	90%	Í –	í –	<u> </u>	+	•	•	<b>(</b> • )	
	13,000	PLUNGER	75.0	86.o	38.0	90%				•	*	•	•	]
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	13,000	PLUNGER	75.0	86.o	38.0	90%				•	•	•	•	
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	13,000	PLUNGER	75.0	86.0	38.0	90%			•	•	•	•	•	
	13,000	BOTH	75.0	86.o	38.0	90%		•	•	•	•	•	•	
	13,000	BOTH	75.0	86.o	38.0	90%		•	•	•	•	•	•	
	13,000	BOTH	75.0	86.0	38.0	90%		•	•	•	•	•	•	
	13,000	BOTH	75.0	86.o	38.0	90%		•	•	•	•	•	•	
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	13,000	BOTH	75.0	86.0	38.0	90%		•	•	•	•	•	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%		•	•	•	•	•	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%		•	•	•	•	•	•	)

### **Pump Selection Procedure**

1. Determine your HP requirement using the following equation:

GPM x PSI

1714 x Mechanical Efficiency

For preliminary sizing, use 90% for the mechanical efficiency, then adjust based on actual efficiency of pump selected.

- 2. Determine the duty cycle of your application. Continuous Duty is described as 8 hours or more operation per day, daily for extended periods of time.
- 3. Find the Pump Series under the first column with a HP rating that meets or exceeds the conditions of your application. Continuous HP is listed first. Intermittent HP is listed second.
- 4. Scan down the Rated Pressure column in the Pump Series selected until you find the last model whose maximum pressure rating exceeds the maximum pressure required by your application.
- 5. Check the appropriate capacity column (Continuous Duty Capacity or Intermittent Duty Capacity) to determine if the pump you selected meets the flow requirements of your application. If not, go to the next larger pump series and repeat Steps 4 & 5.
- 6. Determine the speed at which the pump will need to operate to produce the desired flow.

RPM= Desired Flow (GPM) Displacement

Notes:

HP=

- 1. Ratings are based on nominal speeds and pressures and may vary on FMC Technologies written approval.
- 2. Capacities and speeds indicated are based on 100% volumetric efficiency.
- 3. Continuous Duty is described as 8 hours or more operation per day, daily for extended periods of time.
- 4. Dimensions are approximate and based on standard pump models with cast fluid cylinders. Width is measured parallel to the axis of the drive shaft and does not include the shaft extension.