

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.



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

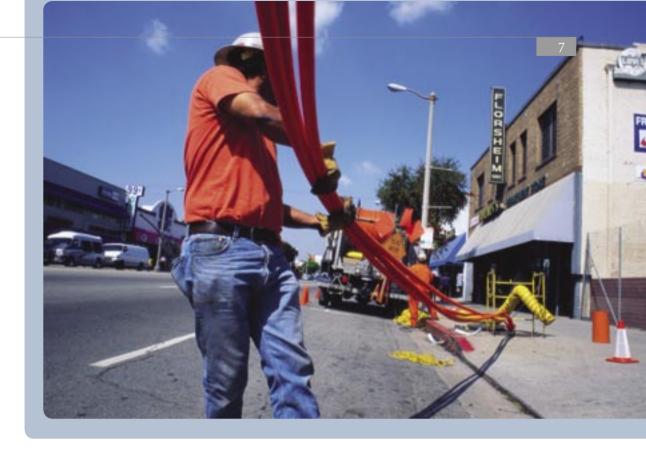




General Industrial

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.

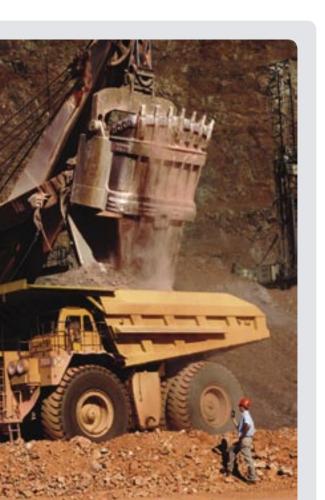


FMC Technologies leads the market into the 21st century with its environmental friendly pump product. The custom design piston pump products operate at lower r.p.m.'s while incorporating state—of—the—art materials and wear components. The pumps are designed to pump the most abrasive fluids within the 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

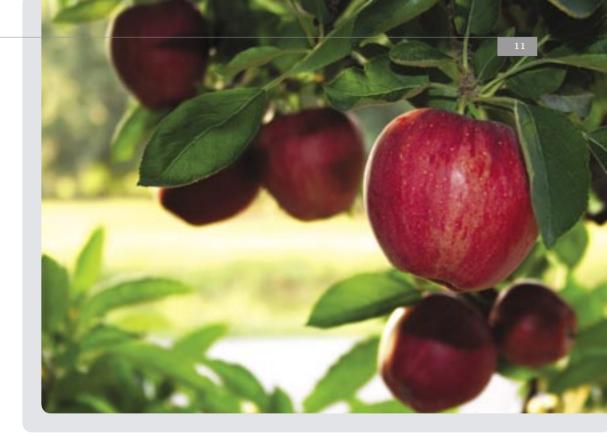
The durability of the FMC Technologies "Bean" piston pumps is unsurpassed within the vertical drilling markets. Designed for continuous duty applications, the FMC Technologies "Bean" piston line increases drilling productivity while lowering the overall cost of ownership. The pump's simple design incorporates 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, high-performance construction and special designs to allow them to efficiently integrate into the overall equipment package.



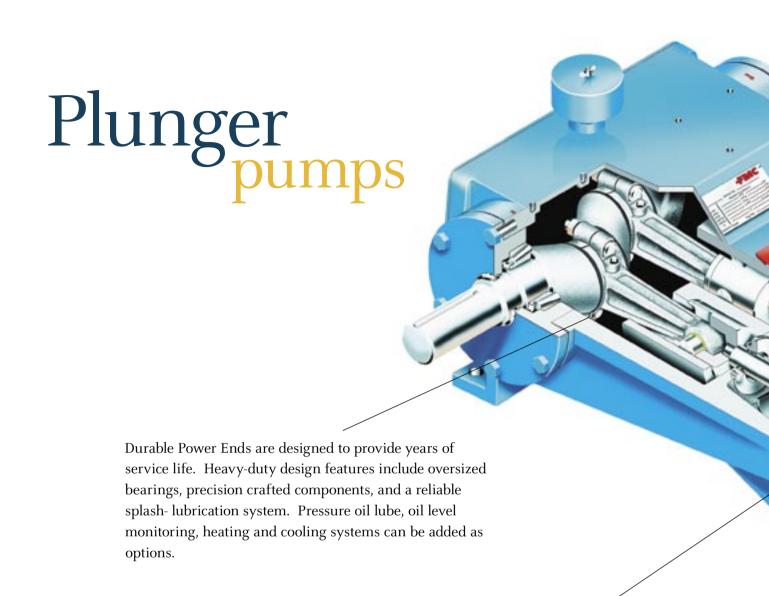


Agriculture

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.

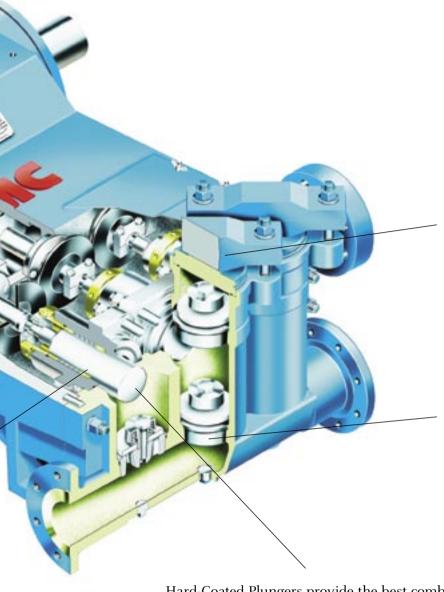
The "Bean Piston Pump Product Line" can be customized to handle the most abrasive and corrosive insecticides and pesticides. FMC Technologies engineer's expertise in materials and chemical analysis enables FMC Technologies to manufacture and construct pumps that are ideally suited for the agricultural 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



Braided Compression Packing made from aramid and PTFE fibers provides excellent overall performance. External lubrication is not required but can be added as an option to extend packing life in many applications. Numerous additional packing styles or materials can be supplied to provide optimal performance in any service.

FMC Technologies plunger pumps are an excellent choice for the most demanding applications. Extremely versatile FMC Technologies plunger pumps can be readily adapted for optimum performance in a wide range of service conditions. Pumps are available in ductile iron, carbon steel, aluminum bronze, duplex stainless steel, Inconel®, and other materials as required.



Fluid End wetted parts can be supplied in a wide variety of cast or forged materials.

Standard Disc Valves provide quiet, efficient performance in most applications. Abrasion-resistant valves are available to suit high-performance applications.

Hard-Coated Plungers provide the best combination of value, performance, and corrosion resistance for most applications. Ceramic, tungsten carbide, or other styles are also available.

All pumps have been carefully designed to provide years of operational life. Heavy-duty designs with oversized bearings ensure these pumps will deliver value and performance in real world operating conditions. When maintenance is required, FMC Technologies pumps feature easy access to typical service areas.

FMC Technologies plunger pumps have an outstanding record of dependable service in thousands of installations around the world. This success stems from the ability to combine sound engineering, reliable craftsmanship, and years of pumping experience.

o – 34 HP Pump Specifications

(Pump Selection Formula PG. #25)

		/				dans per Res	/ _s		/
			ad Pressure Psill Continuous Dut	Internitent Di	sed.		olution ad Diamet	er im Strake	ders/
	. /		Tell Isola	ont		20	o. /	or (it.) With	
	ries /		essu. innor	witte.		Der K	net		6.
30	· / ½	> /	d Pro Contracity	otern acity		ons P	Dian	wer Ne	in.
Pumps	Mode	Rati	Continue Capacity	Internit	(al	S / 56	g) / 4	un! Stron	
			CDM @ coo DDM	/	1 2226				\leftarrow
A04	A0410	850	4.2 GPM @ 400 RPM	5.3 GPM @ 500 RPM	0.0106	1.250	2	1.00	
2.6/3.2 HP	A0411	700	5.2 GPM @ 400 RPM	6.5 GPM @ 500 RPM	0.0129	1.375	2	1.00	
	A0413	550 850	7.2 GPM @ 400 RPM	9.0 GPM @ 500 RPM	0.0180	1.625	2	1.00	
I04	I0410	850	4.2 GPM @ 400 RPM	5.3 GPM @ 500 RPM	0.0106	1.250	2	1.00	
2.6/3.2 HP	I0411	700	5.2 GPM @ 400 RPM	6.5 GPM @ 500 RPM 9.0 GPM @ 500 RPM	0.0129	1.375	2	1.00	
3.5	I0413	550	7.2 GPM @ 400 RPM	3.6 GPM @ 900 RPM	0.0160	1.625	2	1.00	
Mo4 2.8/4.2 HP	Mo405	1,750	2.4 GPM @ 600 RPM			0.625	3	1.00	
2.0/4.2 111	M0406 E0410	1,250	3.4 GPM @ 600 RPM 9.5 GPM @ 450 RPM	5.1 GPM @ 900 RPM 10.9 GPM @ 515 RPM	0.0057	0.750	3	1.00	
E04	E0411	850	11.6 GPM @ 450 RPM	, 0,00	0.0212	1.250	4	1.00	
6.1/7.0 HP		700	<u> </u>	13.2 GPM @ 515 RPM 18.5 GPM @ 515 RPM	0.0257	1.375	4	1.00	
	E0413 L0913	550	16.2 GPM @ 450 RPM	15.0 GPM @ 890 RPM	0.0359	1.625	4	1.00	
Lo9		1,200	12.6 GPM @ 750 RPM 14.6 GPM @ 750 RPM	<u> </u>	0.0168	1.625	3	2.25	
11.6/13.8 HP	L0914 L0918	1,000	24.2 GPM @ 750 RPM	17.4 GPM @ 890 RPM 28.7 GPM @ 890 RPM	0.0195	1.750	3	2.25	
T. (700	16.4 GPM @ 350 RPM	23.5 GPM @ 500 RPM	0.0323	2.250	3	2.25	
Lo6 12.3/17.6 HP	Lo614 Lo618	1,000	27.1 GPM @ 350 RPM	38.8 GPM @ 500 RPM	0.0469	1.750	3	1.50	
	Lo614-HV	700 1,200	18.8 GPM @ 400 RPM	25.8 GPM @ 550 RPM	0.0775	2.250	3	1.50	
Lo6-HV 15.1/20.7 HP	L0614 HV		31.0 GPM @ 400 RPM	42.6 GPM @ 550 RPM	· · ·	1.750	3	1.50	
13.1/20./ 111	Mo6o4	750 10,000	1.8 GPM @ 475 RPM	2.3 GPM @ 600 RPM	0.0775	2.250	3	1.50	
	Mo605	8,800	2.9 GPM @ 475 RPM	3.6 GPM @ 600 RPM	0.0030	0.500 0.625	3	1.50	
	Mo6o6	6,100	4.1 GPM @ 475 RPM	5.2 GPM @ 600 RPM	0.0086		3	1.50	
Mac	Mo6o8		7.3 GPM @ 475 RPM	9.2 GPM @ 600 RPM		0.750 1.000	3	1.50	
Mo6 16.6/20.9 HP	Mo610	3,400 2,200	11.4 GPM @ 475 RPM	14.3 GPM @ 600 RPM	0.0153	1.250	3	1.50	
1010/2019 111	Mo612	1,500	16.3 GPM @ 475 RPM	20.6 GPM @ 600 RPM	0.0239	1.500			
	Mo614	1,120	22.3 GPM @ 475 RPM	28.1 GPM @ 600 RPM	0.0469	1.750	3	1.50	
	Mo615	1,000	25.6 GPM @ 475 RPM	32.3 GPM @ 600 RPM	0.0538	1.875		1.50	
W11	W1118	1,000	24.8 GPM @ 630 RPM	25.0 GPM @ 635 RPM			3		
17/35 HP	W1110	1,000	50.1 GPM @ 850 RPM	50.1 GPM @ 850 RPM	0.0394	2.250	3	2.75 2.75	
-7133	L0913-HV	1,500	22.7 GPM @ 375 RPM	27.3 GPM @ 450 RPM	0.0606	1.625	3	2.25	
Log-HV	Log13 HV Log14-HV	1,300	26.4 GPM @ 375 RPM	31.6 GPM @ 450 RPM	0.0703				
22.6/27.1 HP	L0914 11 V	800	43.6 GPM @ 375 RPM	52.3 GPM @ 450 RPM	0.1162	1.750 2.250	3	2.25	
	Mo905	10,000	3.8 GPM @ 425 RPM	5.0 GPM @ 550 RPM	0.0090	0.625	3	2.25	
	Mo906	6,900	5.5 GPM @ 425 RPM	7.1 GPM @ 550 RPM	0.0129	0.750	3	2.25	
Moo	Mo908	3,900	9.7 GPM @ 425 RPM	12.6 GPM @ 550 RPM	0.0229	1.000	3	2.25	
Mo9 26/33 HP	M0910	2,500	15.3 GPM @ 425 RPM	19.7 GPM @ 550 RPM	0.0359	1.250	3	2.25	
733	Mo912	1,750	21.9 GPM @ 425 RPM	28.4 GPM @ 550 RPM	0.0516	1.500		2.25	
	Mo915	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	2.25	
	Mo807	7,400	7.0 GPM @ 450 RPM	9.4 GPM @ 600 RPM	0.0115	0.875	3	2.00	
	Mo8o8	5,650	9.0 GPM @ 450 RPM	12.2 GPM @ 600 RPM	0.0150	1.000		2.00	
	Mo810	3,620	14.4 GPM @ 450 RPM	19.1 GPM @ 600 RPM	0.0204	1.250	3	2.00	
Mo8	Mo812	2,250	20.7 GPM @ 450 RPM	27.5 GPM @ 600 RPM	0.0139	1.500		2.00	
34/45 HP	Mo812	1,850	28.1 GPM @ 450 RPM	37.5 GPM @ 600 RPM	0.0459		3	2.00	
	Mo814 Mo816	1,420	36.7 GPM @ 450 RPM	49.0 GPM @ 600 RPM	0.0025	1.750 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	
	Mo820		57.4 GPM @ 450 RPM	76.5 GPM @ 600 RPM			3	2.00	
	1010020	915	1 3/.4 GI WI (W 450 KI M	70.5 GI M (# 000 KI M	0.1275	2.500	3	_ ∠.00	

/			/		/	/	/	/	/	Jun Bronze	/	ation steel	/ .xe	thon steed stainless steed
							edratical f	, oncy	/ ,	un Bronte		/ Stee		Teste Less
								st Ductile	yon /	ILIP.	stee/	arbon /	ainle	arbo tainle
		eight Mos Pump	oe.	100			, calk	ille	. min	ile.	3/29		" eg (
		ont o	H	neth in	dthin	eight im	hanie	"Duc"	Alli	"Stall	corde/	corde/	20188/	rolog /
	14	eig bruu	6	No Ni	ide / in	e186/ 1	sec / Ca	5 ⁵ / 0	85t / C	25t/18	X / 3	3,4/ 23	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ '/
				•	r								\leftarrow	
	43	PISTON	7.0	8.0	20.5	90%	+	*						
	43	PISTON PISTON	7.0	8.o 8.o	20.5	90% 90%	*	•						
	43 43	PISTON	7.0 16.5	8.0	20.5 7.0	90%	•	•						
	43	PISTON	16.5	8.0	7.0	90%	•	•						
	43	PISTON	16.5	8.0	7.0	90%	•	•						
	43	PLUNGER	16.0	7.5	6.5	90%	•	•		•	•			
	43	PLUNGER	16.0	7.5	6.5	90%	•	٠		+	*			
	80	PISTON	10.0	6.0	18.0	85%	*	*						
	8o	PISTON	10.0	6.0	18.0	85%	•	•						
	80	PISTON	10.0	6.0	18.0	85%	•	*						
	200	PISTON	23.5	12.5	11.5	85%	•							
	200	PISTON	23.5	12.5	11.5	85%	•							
	200	PISTON	23.5	12.5	11.5	85%	•							
	175	PISTON	24.0	12.5	12.5	90%	•	•						
	175	PISTON	24.0	12.5	12.5	90%	•	•						
	225	PISTON	27.5	12.5	12.5	90%	•	•	•					
	225	PISTON	27.5	12.5	12.5	90%	•	•	•					
	245	PLUNGER	27.5	12.5	12.5	90%				+	*	+	+	
	245	PLUNGER	27.5	12.5	12.5	90%				+	*	•	+	
	245	PLUNGER PLUNGER	27.5	12.5	12.5	90% 90%	•	•	•	+	*	*	*	
	245 245	PLUNGER	27.5 27.5	12.5	12.5 12.5	90%	*	•	*	•	*	•	+	
	245	PLUNGER	27.5	12.5	12.5	90%	•	•	•	•	•	•	•	
	245	PLUNGER	27.5	12.5	12.5	90%	•	•	•	+	•	•	+	
	245	PLUNGER	27.5	12.5	12.5	90%	•	•	•	•	*	+	+	
	425	PISTON	30.5	17.0	13.5	85%	•							
	425	PISTON	30.5	17.0	13.5	85%	•							
	325	PISTON	30.0	14.0	12.5	90%	•	•	*					
	325	PISTON	30.0	14.0	12.5	90%	•	•	•					
	325	PISTON	30.0	14.0	12.5	90%	•	•	•					
	350	PLUNGER	30.0	14.0	12.5	90%				•	•	•	•	
	350	PLUNGER	30.0	14.0	12.5	90%				•	*	+	+	
	350	PLUNGER	30.0	14.0	12.5	90%	•	•	•	•	•	•	•	
	350	PLUNGER	30.0	14.0	12.5	90%	•	*	•	•	*	+	+	
	350	PLUNGER	30.0	14.0	12.5	90%	•	•	•	•	•	•	+	
	350	PLUNGER	30.0	14.0	12.5	90%	•	*	•	+	*	+	+	
	550	PLUNGER	33.0	17.0	17.0	90%				+	*	*	+	
	550	PLUNGER PLUNGER	33.0	17.0	17.0	90% 90%				•	*	•	+	
	550 550	PLUNGER	33.0 33.0	17.0 17.0	17.0 17.0	90%			•	•	*	•	•	
	550 550	BOTH	33.0	17.0	17.0	90%	•	•	•	•	*	•	+	
	550	ВОТН	33.0	17.0	17.0	90%	*	•	•	•	•	•	+	
	550	ВОТН	33.0	17.0	17.0	90%	•	•	•	•	•	+	+	
	550	ВОТН	33.0	17.0	17.0	90%	•	•	•	+	*	•	+	
	550	ВОТН	33.0	17.0	17.0	90%	•	•	•	+	•	•	+	
					_				_					

37 – 117 HP Pump Specifications

			/ a / s	d /	K	ons per Res	ition	turber of Chira	/ \ests /
	5 /		ad Pressure Usil Continuous Dut	Intermittent Di		Re	olution ad Diamet	er (in) Cylin	90/
Pumps	erie!		, Press rtinue	ernitity		as per	giame.		(in)
Oump	Mode	2319	Continue	Internite	رها	ion (ce		und Stroke	
			CDM G DDM						\leftarrow
L11	L1114 L1118	2,500 1,500	21.5 GPM @ 900 RPM 35.5 GPM @ 900 RPM	30.5 GPM @ 1275 RPM 50.2 GPM @ 1275 RPM	0.0239	1.750 2.250	3	2.75	
37/52 HP	L1110	1,000	53.0 GPM @ 900 RPM	75.1 GPM @ 1275 RPM	0.0589	2.750	3	2.75	
	L1214	2,500	30.5 GPM @ 325 RPM	37.5 GPM @ 400 RPM	0.0937	1.750	3	3.00	
L12	L1218	1,500	50.3 GPM @ 325 RPM	62.0 GPM @ 400 RPM	0.1549	2.250	3	3.00	
49/61 HP	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	
3.6	M1416 M1418	2,500	53.6 GPM @ 375 RPM	60.7 GPM @ 425 RPM	0.1428	2.000	3	3.50	
M14 88/104 HP	M1420	2,000 1,600	67.8 GPM @ 375 RPM 83.7 GPM @ 375 RPM	76.8 GPM @ 425 RPM 94.8 GPM @ 425 RPM	0.100/	2.250 2.580	3	3.50	
00/104111	M1420		101.3 GPM @ 375 RPM	114.8 GPM @ 425 RPM	0.2700		3	3.50	
	M1424	1,350 1,150	120.5 GPM @ 375 RPM	136.6 GPM @ 425 RPM	0.3213	2.750 3.000	3	3.50 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	
N.4 - (M1620	1,990	89.3 GPM @ 350 RPM	108.4 GPM @ 425 RPM	0.2550	2.500	3	4.00	
M16 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	

/		. /	/		/	/	/	/ .	/	Jun Bronze	/	A toriged S	inless of the sale	athon Steel stainless Steel
							edranical f	· oncy	/ ,	un Bronde		/ Ste	1,055	715th \ 1855 /
,								ficie,	yon /	mb/	ste/	aigo.	ainle	arbi (taini
		eight Mos Purns	,oe	noth in N		/	(d)	st Ductile	Min	ile.	3/ 29C	°/ 2053	"/ eg	/ 843/
		. dht.	(4)	in (i)	dth (in)	eight (in)	hanie	"Duc"	Alli	"Stall!	corde/	COTOS	20180 /	LOIS /
	1	eigo Druus	/ e	No N	ide / 1	ei8) N	eci/		ast /	ast / 18	X / K	XX S	1 / 3	Y
				ľ	r						<u> </u>		\leftarrow	
	460	PISTON	32.5	17.0	14.5	85%				•	•			
	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 PLUNGER	37.5	22.0	20.5	90%				+	+	+	+	
	950	PLUNGER	37.5	22.0	20.5	90% 90%				*	+	*	+	
	950	PLUNGER	37.5	22.0	20.5		•		•	•	+	•	•	
	950	BOTH	37.5	22.0	20.5	90% 90%	▼	•	•	*	•	•	*	
	950	ВОТН	37.5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	ВОТН	37.5	22.0	20.5	90%	•	•	•	•	+	•	*	
	950 950	ВОТН	37·5 37·5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	ВОТН	37·5 37·5	22.0	20.5	90%	•	•	•	•	•	•	•	
	950	ВОТН	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	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	*	*	+	
	1,800	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	+	+	+	
	1,800	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	+	*	+	
	1,800	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	+	*	•	
	1,800	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	+	*	•	
	1,800	ВОТН	44.0	24.0	22.0	90%	*	•	•	•	+	*	+	
	1,800	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	*	*	+	
	1,800	ВОТН	44.0	24.0	22.0	90%	•	•	•	•	+	+	+	
	2,400	PLUNGER	53.5	29.0	26.0	90%				*	+	+	+	
	2,400	PLUNGER	53.5	29.0	26.0	90%				•	*	•	•	
	2,400	PLUNGER	53.5	29.0	26.0	90%				•	+	•	+	
	2,400	PLUNGER	53.5	29.0	26.0	90%				•	+	•	•	
	2,400	PLUNGER	53.5	29.0	26.0	90%	•		*	*	+	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	*	•	*	•	•	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	+	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	*	•	•	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	+	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	+	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	+	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	+	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	*	*	*	*	*	*	+ _	'

150 – 265 HP Pump Specifications

					Ы	ons per Red	/ ion	/ /	5 /
			ed Pressure Psill Continuous Dut	Internitent Du		264	dution ad Diamet	er im Strake	de.
Pumps	eries		ressur indou	mitte		oer Ru	met		m
W.S.	Mode	> / ,	Continue Capacity	Internity		ons	dia.	mbei oke	
Pull	Mo	Rat	Case	Case	Car	/ se	°/ 4	ill Str	
	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	

/	/		/		/	/	/	/ \	ron Laterini	/ 10		athorist of a	inless kee	Aron steed stainless steed
							edratical f	iency	/ /	in Bronte	/ e	/ Ste	(85)	on Str Ness
							/ 5	st Ductile	ron	ml	ssil /	arbo (x	ainit	stain!
		Mosi	we when	lin	m	in	aical !	,ctile	unin	ainle	s ded	/ sed 3	ged	/ 500 ³ /
		ight mp	`` /	SEN!	dill	ight /	chair	A DU	ST AIR	asto/	Korb	KOLO/	XOT 6	Kore
	1	eight Mos Pump	100	neth in	dthin	eight (in)		8/0			. / 4	K 18	, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	2,400	PLUNGER	53.5	29.0	26.0	90%				+	•	•	•	
	2,400	PLUNGER	53.5	29.0	26.0	90%				*	•	•	*	
	2,400	PLUNGER	53.5	29.0	26.0	90%				•	•	*	+	
	2,400	PLUNGER	53.5	29.0	26.0	90%	•		•	•	•	•	•	
	2,400	PLUNGER	53.5	29.0	26.0	90%	•	+	•	+	•	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	•	•	•	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	•	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	•	•	•	•	•	•	+	
	2,400	ВОТН	53.5	29.0	26.0	90%	*	+	+	•	*	*	+	
	2,400	ВОТН	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 BOTH	53.5	29.0	26.0	90%	*	*	*	+	+	*	*	
	2,400	PLUNGER	53.5	29.0	26.0	90%		_	•	+	•	•	•	
	4,500	PLUNGER	53.5	52.0	27.0	90%				+	•	•	•	
	4,500	PLUNGER	53.5	52.0 52.0	27.0 27.0	90%				*	•	•	+	
	4,500	PLUNGER	53·5 53·5	52.0	27.0	90%				•	•	•	•	
	4,500	PLUNGER	53.5	52.0	27.0	90%		+	+	+	•	•	•	
	4,500	PLUNGER	53.5	52.0	27.0	90%		+	•	+	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	+	+	•	•	•	+	
	4,500	вотн	53.5	52.0	27.0	90%	•	+	+	+	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	*	+	+	+	•	*	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	+	+	+	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	+	+	+	+	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	+	+	*	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	+	+	+	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	+	+	•	•	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	•	•	•	•	•	+	
	4,500	PLUNGER	53.5	52.0	27.0	90%				+	•	•	•	
	4,500	PLUNGER	53.5	52.0	27.0	90%				+	•	•	+	
	4,500	PLUNGER	53.5	52.0	27.0	90%				•	•	•	+	
	4,500	PLUNGER	53.5	52.0	27.0	90%				•	•	•	+	
	4,500	PLUNGER	53.5	52.0	27.0	90%		•	•	•	*	•	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	+	+	+	+	*	*	+	
	4,500	BOTH	53.5	52.0	27.0	90%	+	+	+	+	*	*	+	
	4,500	BOTH BOTH	53.5	52.0	27.0	90%	+	+	+	+	*	*	+	
	4,500	ВОТН	53.5	52.0	27.0	90% 90%	*	+	+	+	•	• •	+	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	*	•	•	•	•	•	
	4,500 4,500	ВОТН	53·5 53·5	52.0 52.0	27.0 27.0	90%	•	+	*	+	•	•	*	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	+	+	*	•	•	•	
	4,500	ВОТН	53.5	52.0	27.0	90%	•	*	*	*	•	•	*	
	т, ј	20111	73.3	المار	27.0	7070						· ·		

350 – 650 HP Pump Specifications

					d	on's per Red	tion	/ /	/ or ⁵ /
	<i>-</i>		ed Pressure (Psi) Continuous Dut	Interniteent Du	•	2ex	dutio da Diarret	er tird Cylin	de/
Pumps	eries		oresst stinuo	armitic Y		" per "	ame	, so /	(in)
, Junip	Mode) / z ^v	Continut Capacity	Interniti		ons	al Div	unde trake	, /
P. C.		A Ro	<u> </u>		/ Go	<u> </u>	/ 4		\angle
	M2812	10,000	38.5 GPM @ 240 RPM	48.2 GPM @ 300 RPM	0.1606	1.500	3	7.00	
	M2814	10,000	52.5 GPM @ 240 RPM	65.6 GPM @ 300 RPM	0.2187	1.750	3	7.00	
	M2816	7,960	68.5 GPM @ 240 RPM	85.7 GPM @ 300 RPM	0.2856	2.000	3	7.00	
	M2818	6,300	86.8 GPM @ 240 RPM	108.5 GPM @ 300 RPM	0.3615	2.250	3	7.00	
	M2820	5,100	107.1 GPM @ 240 RPM	133.9 GPM @ 300 RPM	0.4462	2.500	3	7.00	
	M2822	4,200	129.6 GPM @ 240 RPM	162.0 GPM @ 300 RPM	0.5400	2.750	3	7.00	
	M2824	3,540	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	226.3 GPM @ 300 RPM	0.7542	3.250	3	7.00	
	M2828	2,600	209.9 GPM @ 240 RPM	262.4 GPM @ 300 RPM	0.8746	3.500	3	7.00	
M28	M2830	2,260	241.0 GPM @ 240 RPM	301.2 GPM @ 300 RPM	1.0041	3.750	3	7.00	
350/440 HP	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	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	1.4458	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	
	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	
	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	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	
Q28	Q2830	2,490	401.6 GPM @ 240 RPM	502.0 GPM @ 300 RPM	1.6734	1.750	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	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	

				•		,	•	,	,		. \		
			,	/,	/ ,	edranical f	ciency	/ \$ /	Jun Bronze	(teel)	A Cortos A C	inless of the state of the stat	thon steed stainless steed
	IIDS	,oe	m		60	, calk	Efficients (ro, min	un Bronde	22/29	arb ad st	air ed C	ed stall
/	eight libs Purne	(4)	neth in	dth (in)	eight lin	echanile	StDIC	St All!	ost stall	Korage	* torge	Koros 0	, for 85
 1		/ 🔖	1	/ *	4				*/ */	/ *	, k		
5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	•	
5,500	PLUNGER	75.0	40.0	36.0	90%				+	*	•	+	
5,500 5,500	PLUNGER PLUNGER	75.0 75.0	40.0 40.0	36.0 36.0	90% 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%				•	*	•	+	
5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	+	
5,500	PLUNGER	75.0	40.0	36.0	90%				•	•	•	+	
5,500	ВОТН	75.0	40.0	36.0	90%				•	•	*	+	
5,500	ВОТН	75.0	40.0	36.0	90%				+	+	*	+	
5,500	BOTH BOTH	75.0	40.0	36.0 36.0	90%				+	*	*	+	
5,500 5,500	ВОТН	75.0 75.0	40.0 40.0	36.0	90%				•	•	•	•	
5,500	ВОТН	75.0	40.0	36.0	90%				•	•	•	+	
5,500	ВОТН	75.0	40.0	36.0	90%				+	•	•	+	
5,500	ВОТН	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	86.0	38.0	90%				•	*	*	+	
13,000	PLUNGER PLUNGER	75.0	86.0 86.0	38.0	90%				+	•	• •	+	
13,000	PLUNGER	75.0	86.0	38.0 38.0	90%				•	•	•	+	
13,000	PLUNGER	75.0 75.0	86.0	38.0	90%				*	•	•	+	
13,000	PLUNGER	75.0	86.0	38.0	90%				+	•	•	+	
13,000	PLUNGER	75.0	86.o	38.0	90%				•	•	•	+	
13,000	ВОТН	75.0	86.o	38.0	90%			•	•	+	•	+	
 13,000	ВОТН	75.0	86.0	38.0	90%			•	•	•	•	+	
13,000	ВОТН	75.0	86.0	38.0	90%			•	•	•	•	•	
13,000	BOTH	75.0	86.0	38.0	90%			*	•	*	*	+	
13,000	BOTH BOTH	75.0	86.o 86.o	38.0 38.0	90%		_	*	+	+	*	+	
13,000	ВОТН	75.0 75.0	86.0 86.0	38.0 38.0	90%		+	•	*	*	•	+	
13,000	ВОТН	75.0 75.0	86.0	38.0	90%		+	•	•	•	•	+	
13,000	ВОТН	75.0	86.0	38.0	90%		•	•	•	•	•	+	
13,000	PLUNGER	75.0	86.o	38.0	90%		•	•	•	•	•	+	
13,000	PLUNGER	75.0	86.o	38.0	90%		+	*	•	•	*	•	

700 HP Pump Specifications

Purnos	eries node	Rate	d Pressure (Psi) Continuous Dut	Internitent Du	c ^A	on's Der Red	al Diamet	ertini Strake	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	

/	/w	eight (IDS) Purtié	(HOE / SE	ng triin	deth (in)	a sight (im)	ethanical to	ificiency ist Ducite	god Allering	un Bronze	steel s	A toriged St	ainless de	el steel state of sta
	13,000	PLUNGER	75.0	86.0	38.0	90%				•	+	•	*	1
	13,000	PLUNGER	75.0	86.0	38.0	90%				•	+	•	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%				+	+	•	+	ļ
	13,000	PLUNGER	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%				*	*	•	•]
	13,000	PLUNGER	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%			+	*	+	*	•	
	13,000	ВОТН	75.0	86.0	38.0	90%		•	*	•	*	*	•	
	13,000	ВОТН	75.0	86.0	38.0	90%		*	+	*	+	*	•	
	13,000	ВОТН	75.0	86.o	38.0	90%		•	+	•	*	•	•	
	13,000	ВОТН	75.0	86.o	38.0	90%		*	+	*	+	*	*	
	13,000	ВОТН	75.0	86.o	38.0	90%		•	+	*	+	•	•	
	13,000	ВОТН	75.0	86.0	38.0	90%		•	+	*	+	•	•	
	13,000	ВОТН	75.0	86.0	38.0	90%		•	+	+	+	*	•	<u> </u>
	13,000	ВОТН	75.0	86.0	38.0	90%		•	+	+	+	*	•	
	13,000	PLUNGER	75.0	86.0	38.0	90%		•	+	*	+	•	•	j
	13,000	PLUNGER	75.0	86.o	38.0	90%		*	+	•	+	•	•	1

Pump Selection Procedure

1. Determine your HP requirement using the following equation:

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.

Notes:

- 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.