



MYERS[®] AND MYERS[®] APLEX SERIES RECIPROCATING PUMPS

MYERS® AND MYERS® APLEX SERIES

Complete Line of Reciprocating Pumps

History of Myers

Founded in 1870 by brothers Frances and Philip Myers in Ashland, Ohio. The brothers began by building farm implements, then engineered and manufactured the first double-acting hand pump. From this modest beginning, the Myers pump line grew and evolved over the decades to include wastewater removal and industrial pumps and systems. In 1960, the Myers family sold the business to the McNeil Corporation of Akron, Ohio. In 1986 Pentair, Inc. of St. Paul, Minnesota, acquired Myers, which now is part of the Pentair, Ltd. The Ashland operation includes over 410,000 square feet of warehouse, manufacturing, distribution, foundry and office facilities and employs approximately 600 people dedicated to supplying quality products.



Myers combines manufacturing expertise and understanding of applications to provide a pump with strength and versatility for any demanding high-pressure job. Myers industrial high pressure pumps are designed, developed, manufactured, assembled and tested in Ashland, Ohio, U.S.A.

Myers Aplex Series Overview

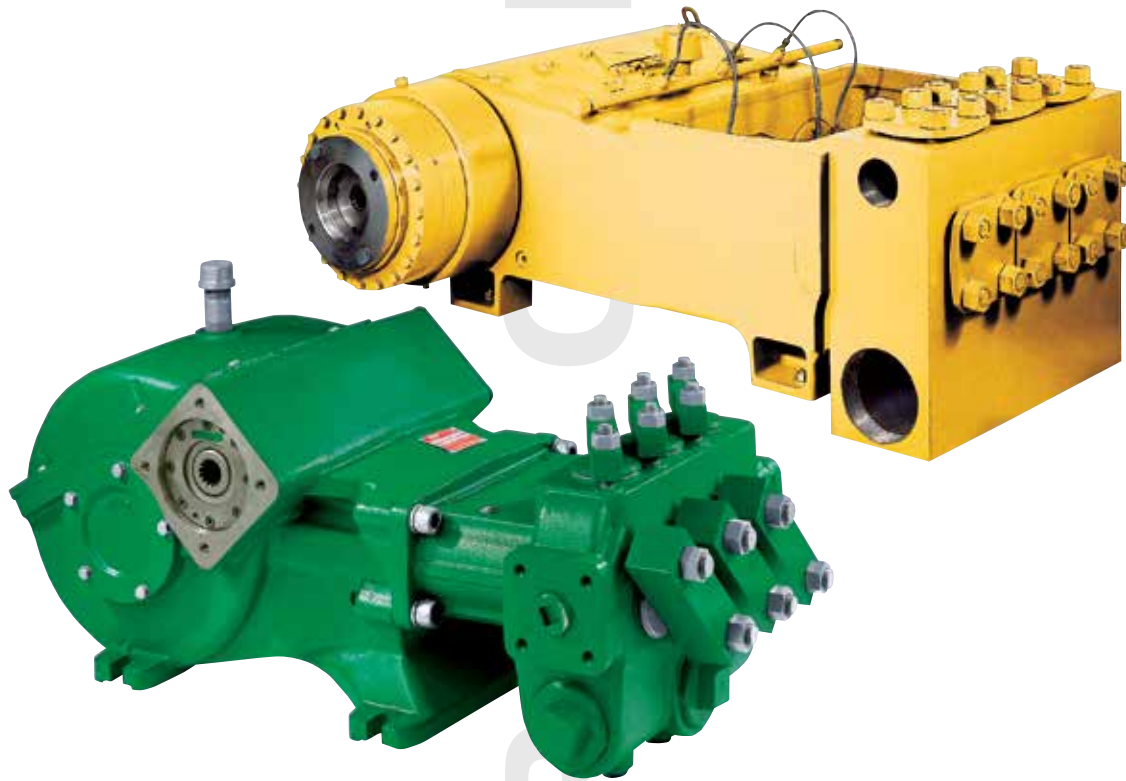
In 1996, Myers Aplex Series products were added to the Myers industrial line. The Myers Aplex Series product line dates back to the 1960's oilfield pump industry. The Myers Aplex Series pump

line has since grown to be one of the most highly recognized and accepted pumps offered in a variety of industries. Our pumps are utilized in, but not limited to, the oil and gas, directional drilling, sewer cleaning, water treatment, steel mills and other industrial markets requiring a pumps that stand up to demanding and hostile applications.

The Myers Aplex Series pump has a myriad of features that sets it apart from its competitors. These are mostly centered around ease of maintenance and "user friendly" designs. A wide range of optional configurations are used on each application to tailor fit each customer's needs to furnish a pump for long-term dependable performance for years to come. Each pump is also available with a variety of options including integral hydraulic drives, base mountings and a wide selection of auxiliary equipment to address each unique installation.

Myers Aplex Series builds the most reliable medium and heavy-duty reciprocating pumps in the world. We produce products that outwear the others in both domestic and international markets. In addition, we deliver service and technical support that outshine the competition worldwide.

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Myers and Myers Apex Series reserves the right to change designs and specifications without incurring any liability for equipment previously or subsequently sold.

Draw on our Strength

Myers® Aplex Series Complete Reciprocating Line

Manufacturing pumps since 1870, Myers® is recognized worldwide for quality, service and innovation. The Industrial Pump Division realizes that success in today's global environment depends on much more than brick and mortar. Myers' focus is on the customer and their needs. The addition of the Aplex Series line has broadened our range of pumps offerings, allowing us to offer a more complete line of medium and heavy-duty reciprocating pumps to fit almost any application. Myers Aplex Series is positioned to strongly encourage the customer to challenge us with special-purpose, industrial or commercial pump application. The combination of extraordinary customer service, superior manufacturing capabilities and new products for niche markets make a powerful culture for growth. Our philosophy, from top to bottom, is one of flexibility, creativity and responsiveness to customer needs. Replacement and service parts are thus readily available worldwide.

Myers Aplex Series Pump Features

- Reliable, trouble-free performance
- Built for field serviceability
- A broad product line ranging from 5 to 400 HP (3.7 to 298.3 kW)
- Pressures up to 5,500 psi (379.2 bar) and flows to 600 gpm (2271 lpm)
- Temperature ratings up to 450°F (232°C)
- Able to pump a wide range of corrosive fluids from acids to caustics
- Extra-large oil sump for superior lubrication
- Clear rear cover for easy oil level inspection



Range Of Applications

- Gas sweetening and drying
- Crude oil gathering, pipelining and transfer
- Power oil/power water hydraulic services
- Water blasting and cutting
- Steel mill de-scaling
- Mine de-watering
- Toxic and hazardous waste disposal
- Sewer cleaning
- Hydrostatic testing
- Reverse osmosis (desalination)
- NGL transfer
- Bentonite slurry pumping
- Water well fracing
- Food processing
- Chemical processing
- Car and truck wash
- And much more



Range Of Offerings

Maximum Run Time	Myers	Myers Aplex Series		
		SC	MA	RO
24 hrs per day	-	-	X	X
Up to 8 hrs per day*	X	X	-	-

*At full speed and pressure ratings

Temperature Range	Myers	Myers Aplex Series		
		SC	MA	RO
50 – 160°F (10 – 71°C)	X	X	X	X
30 – 220°F (-1 – 104°C)	-	X	X	X
30 – 450°F (-1 – 232°C)	-	-	X	-

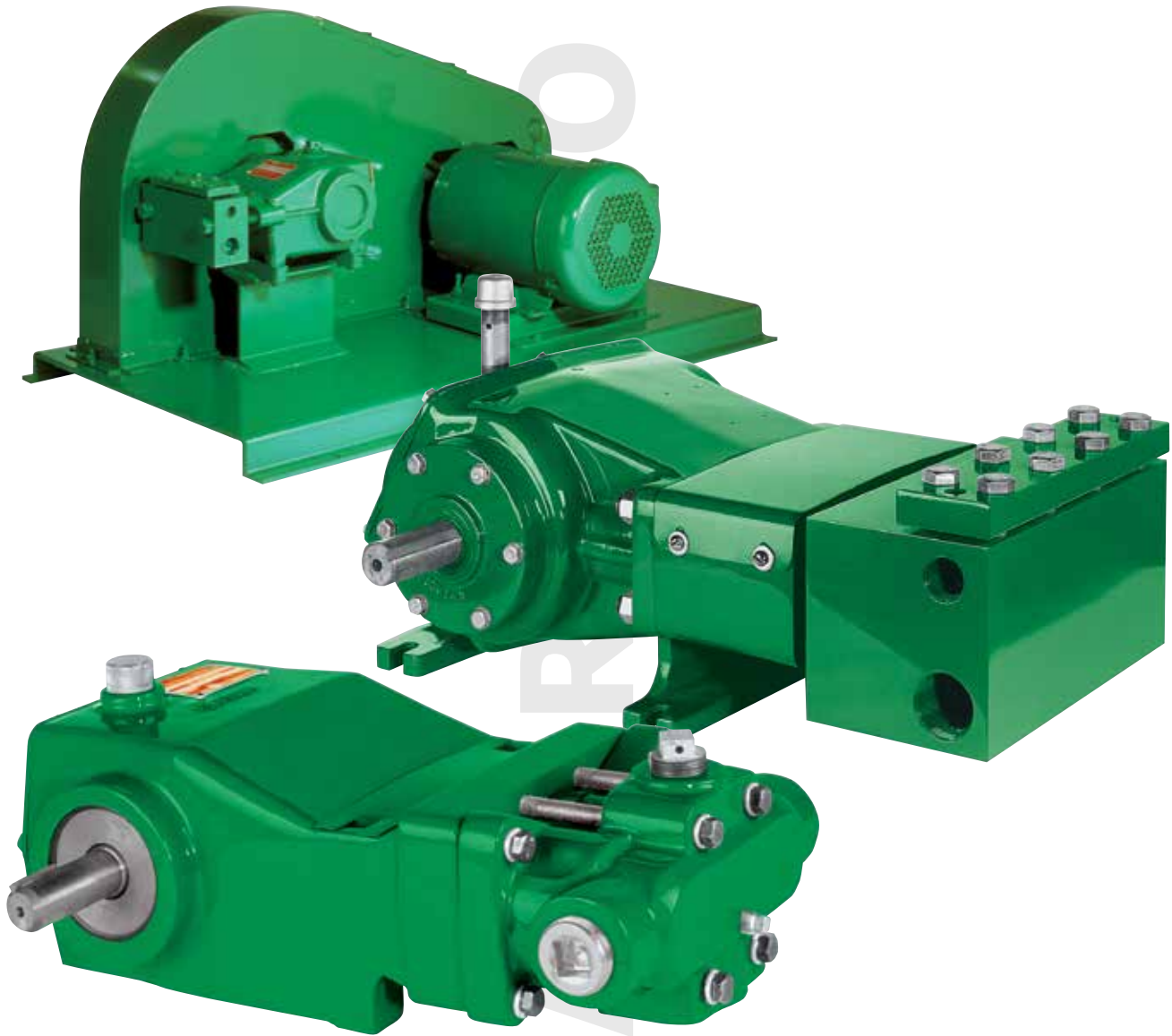
Pressures	Myers	Myers Aplex Series		
		SC	MA	RO
500 psi (34.4 bar)	X	X	X	X
1000 psi (68.9 bar)	X	X	X	X
2000 psi (137.9 bar)	X	X	X	X
2500 psi (172.4 bar)	X	X	X	X
3000 psi (206.8 bar)	X	X	X	X
5000 psi (344.7 bar)	X	X	X	-
5500 psi (379.2 bar)	X	X	-	-

PH - Range	Myers	Myers Aplex Series		
		SC	MA	RO
6 – 9	X	X	X	X
1 – 14	-	X	X	X

Drives	Myers	Myers Aplex Series		
		SC	MA	RO
Hydraulic Driven	X	X	-	-
Motor Driven	X	X	X	X
Engine Driven	X	X	X	X

Flows	Myers	Myers Aplex Series		
		SC	MA	RO
5 gpm (19 lpm)	X	X	X	X
10 gpm (38 lpm)	X	X	X	X
50 gpm (189 lpm)	X	X	X	X
100 gpm (379 lpm)	X	X	X	X
150 gpm (568 lpm)	-	X	X	X
300 gpm (1136 lpm)	-	X	X	X
600 gpm (2271 lpm)	-	X	X	X

Myers® Product Features

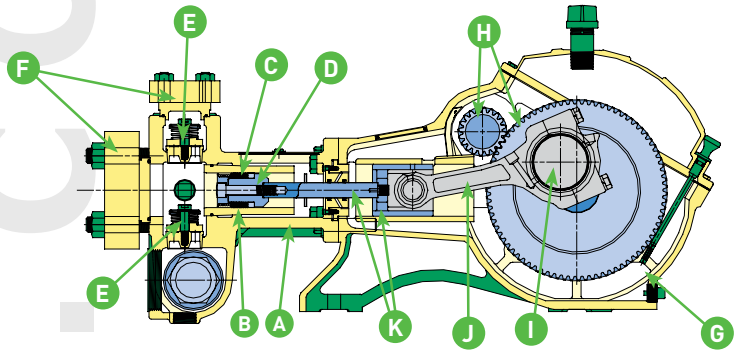


- Pre-engineered products
- Flows to 120 gpm (454.2 lpm)
- Pressures up to 5,500 psi (379.2 bar)
- Easy access for field servicing
- "D", "DP", "E" and "HPL" series have built-in internal gear reductions
- Available with horizontal base-mounted motors
- Hydraulic drive adaptation available
- Ceramic coated plungers/cylinders for durability

Myers® Field-Proven Economic and Reliability Features

Model D65-20 Shown

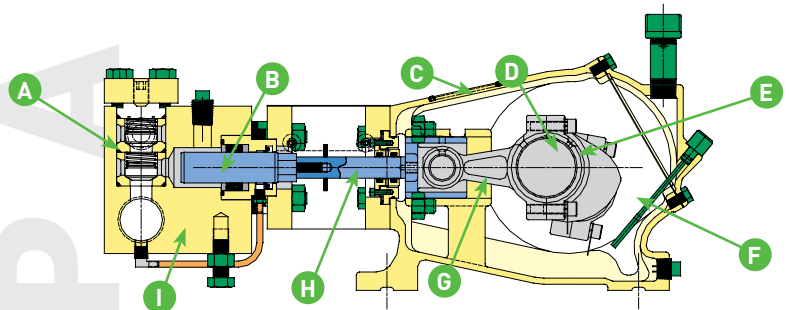
- A. Cylinder Body**
High strength ductile iron or aluminum bronze
- B. Cylinders**
Tapered steel shells with super-smooth, hard Tech-23 coating
- C. Packing**
Buna-N and cotton duck multi-lip V-ring packing supported by a phenolic or bronze follower
- D. Piston Assembly**
Stud, pressure ring, spring, retainer and cap screw are all solid stainless steel
- E. Valve**
Spring-loaded flat valves have stainless steel seats, springs and valves with long-wearing bronze spring retainer and valve cage. Optional stainless steel center post-type features Delrin valves
- F. Valve and Cylinder Caps**
Tough cast iron or carbon steel with Buna-N O-ring seals
- G. Gearcase**
Rugged cast iron protects the gears and serves as oil reservoir for continuous splash lubrication when running pump in either direction of rotation



- H. Pinion and Main Gear**
Helical cut and machined from high-strength alloy steel, and can rotate in either direction
- I. Crankshaft**
Automotive type, forged from alloy steel supported by tapered roller bearings
- J. Connecting Links**
Cast iron or ductile iron with replaceable bronze wrist-pin bearings and steel-backed automotive type inserts
- K. Crossheads/Piston "Pony" Rods**
Heavy-duty rods are smoothly-ground and highly-polished stainless steel, threaded and pinned axially to crosshead

Model CPM18-40 Shown

- A. Valve Assembly**
Stainless steel seats. Plastic acetal copolymer valves
- B. Plunger Assembly**
Stainless steel coated with Tech-23 or Rokide
- C. Gearcase**
Rugged cast iron protects the gears and serves as oil reservoir
- D. Crankshaft**
Rotates in either direction. Automotive-type heat-treated alloy steel
- E. Main Bearings**
Tapered roller bearings
- F. Power-End Lubrication System**
Continuous splash in either rotation direction
- G. Connecting Links**
Cast iron with replaceable bronze wrist-pin bearings and steel-backed automotive type inserts



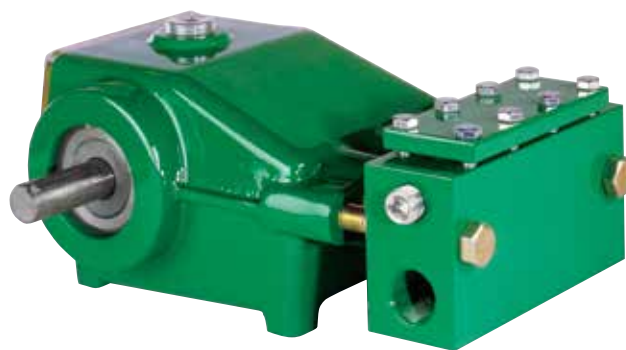
- H. Crossheads**
Heavy-duty ductile iron, "pony" rods are axially threaded and pinned polished stainless steel
- I. Fluid-End Body**
Made of high strength steel, also available in stainless steel

BXM6-15 / CX Series

Extra-large oil reservoir provides superior lubrication, while insuring more effective cooling and less maintenance. The crankshaft is field-reversible for application flexibility. Easy access to suction and discharge valves means no need to remove pump from system for repair. Factory tested for continuous service with only simple, routine maintenance.

BX Pump Features

- Flows to 8 gpm (30.3 lpm)
- Pressure ratings up to 1,500 psi (103.4 bar)
- Easy access to valves for servicing
- Whisper quiet operation
- Extra-large oil sump for superior lubrication
- Clear rear cover for easy oil level inspection



	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	700 RPM US gpm (lpm)	800 RPM US gpm (lpm)		
BXM6-15	1.000 (25.4)	1500 (103.4)	.0108 (.0410)	4.3 (16.4)	5.4 (20.5)	6.5 (24.6)	*NA	*NA	Flows: 3 – 7 gpm (11.4 – 26.5 lpm) psi: 200 – 1500 (bar: 13.8 – 103.4) Stroke Length: 1.06 in. (27 mm) Weight: 60 lbs. (27.2 kg)	Max. HP 6 (4.5 kW)
	HP (Kilowatts) required @ RPM**			4.5 (3.3)	5.6 (4.2)	6.7 (5.0)	*NA	*NA		
	1.000 (25.4)	1000 (68.9)	.0108 (.0410)	4.3 (16.4)	5.4 (20.5)	6.5 (24.6)	7.6 (28.7)	8.7 (32.8)		
HP (Kilowatts) required @ RPM**			3.0 (2.2)	3.7 (2.8)	4.5 (3.3)	5.2 (3.9)	6.0 (4.4)			

Metallurgy is available in Carbon Steel or Aluminum Bronze

* Displacement based on 100% volumetric efficiency

** Power based on 85% mechanical efficiency

Rugged design for continuous operation. Three suction ports for installation versatility. Smooth solid ceramic cylinder liners allow continuous operation at maximum pressure and flow. Large concentric suction and discharge valves allow complete filling of cylinders. Solid cast iron power end with constant lubrication of all working parts. Fluid end available in high-strength cast iron, aluminum-bronze, or 316 stainless steel.

CX Pump Features

- Flows to 20 gpm (75.7 lpm)
- Pressure ratings to 1,500 psi (103.4 bar)
- Constant lubrication of all power end parts
- Spring loaded chevron style packing



	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	500 RPM US gpm (lpm)	560 RPM US gpm (lpm)				
CX10-15	1.25 (31.75)	1500 (103.4)	.0199 (.0753)	5.9 (22.3)	7.9 (29.9)	8.9 (33.7)	9.9 (37.5)	11.1 (42.0)	Flows: 5 – 11 gpm (18.9 – 41.6 lpm) psi: 400 – 1500 (bar: 27.6 – 103.4) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 11 (8.2 kW)		
	HP (Kilowatts) required @ RPM**			6.0 (4.5)	8.1 (6.0)	9.1 (6.8)	10.1 (7.5)	11.0 (8.2)				
CX20-10	1.75 (44.5)	1000 (68.9)	.039 (.148)	11.7 (44.3)	15.6 (59.1)	17.5 (66.2)	19.5 (73.8)	21.8 (82.5)			Flows: 11 – 21 gpm (41.6 – 79.5 lpm) psi: 300 – 1000 (bar: 20.7 – 68.9) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 14 (10.4 kW)
	HP (Kilowatts) required @ RPM**			8.0 (6.0)	10.7 (8.0)	12.0 (9.0)	13.3 (10.0)	14.0 (10.4)				

Metallurgy is available in Ductile Iron, Aluminum Bronze, or 316 Stainless Steel

* Displacement based on 100% volumetric efficiency

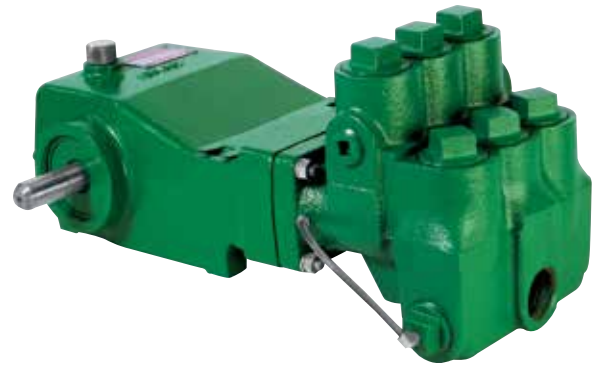
** Power based on 85% mechanical efficiency

BXM6-15 / CX Series

These pumps offer seven interchangeable plunger and seal packages, allowing complete hydraulic coverage. Optimum flow and pressure is easily converted, even in the field by changing the plunger and seal kit. Cylinder body of high-strength ductile iron.

CXP Series Pump Features

- Flows to 30 gpm (113.6 lpm)
- Pressure ratings to 3,500 psi (241.3 bar)
- Continuous splash lubrication provided either direction of rotation
- Offerings of seven interchangeable plunger and seal packages
- Easily serviced in field without removal of pump



Model	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	500 RPM US gpm (lpm)	560 RPM US gpm (lpm)	Flows: [range] (lpm) psi: [range] (bar: [range]) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP [value] ([kW])
	HP (Kilowatts) required @ RPM**			650 RPM US gpm (lpm)	750 RPM US gpm (lpm)	800 RPM US gpm (lpm)	850 RPM US gpm (lpm)	900 RPM US gpm (lpm)		
CXP5-35	.875 (22.225)	3500 (241.3)	.0097 (.0367)	2.9 (10.98)	3.9 (14.8)	4.4 (16.7)	4.9 (18.5)	5.5 (20.8)	Flows: 3 – 5 gpm (11.4 – 18.9 lpm) psi: 2500 – 3500 (bar: 172.4 – 241.3) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 13 (9.7 kW)
	HP (Kilowatts) required @ RPM**			7.0 (5.2)	9.4 (7.0)	10.6 (7.9)	11.8 (8.8)	13.0 (9.7)		
CXP7-30	1.000 (25.4)	3000 (206.8)	.0127 (.0481)	3.8 (14.4)	5.1 (19.3)	5.7 (21.6)	6.4 (24.2)	7.1 (26.9)	Flows: 3 – 7 gpm (11.4 – 26.5 lpm) psi: 2000 – 3000 (bar: 137.9 – 206.8) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 15 (11.2 kW)
	HP (Kilowatts) required @ RPM**			7.8 (5.8)	10.5 (7.8)	11.7 (8.7)	13.2 (9.8)	15.0 (11.2)		
CXP14-24	1.125 (28.6)	2450 (168.9)	.0161 (.0611)	10.5 (39.7)	12.1 (45.8)	12.9 (48.8)	13.7 (51.9)	14.5 (54.9)	Flows: 10 – 14 gpm (37.9 – 53.0 lpm) psi: 1400 – 2450 (bar: 96.5 – 168.9) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 25 (18.6 kW)
	HP (Kilowatts) required @ RPM**			17.7 (13.2)	20.3 (15.1)	21.7 (16.2)	23.0 (17.2)	25.0 (18.6)		
CXP18-20	1.250 (31.8)	2000 (137.9)	.0199 (.0754)	12.9 (48.8)	14.9 (56.4)	15.9 (60.2)	16.9 (64.0)	17.9 (67.8)	Flows: 12 – 17 gpm (45.4 – 64.4 lpm) psi: 1000 – 2000 (bar: 68.9 – 137.9) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 25 (18.6 kW)
	HP (Kilowatts) required @ RPM**			17.7 (13.2)	20.5 (15.3)	21.8 (16.3)	23.2 (17.3)	25.0 (18.6)		
CXP22-16	1.375 (34.9)	1650 (113.8)	.0241 (.0912)	15.7 (59.4)	18.1 (68.5)	19.3 (73.1)	20.5 (77.6)	21.7 (82.1)	Flows: 15 – 21 gpm (56.8 – 79.5 lpm) psi: 600 – 1650 (bar: 41.4 – 113.8) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 25 (18.6 kW)
	HP (Kilowatts) required @ RPM**			17.8 (13.3)	20.5 (15.3)	21.9 (16.3)	23.2 (17.3)	25.0 (18.6)		
CXP26-14	1.500 (38.1)	1400 (96.5)	.0286 (.1083)	18.6 (70.4)	21.5 (81.4)	23.0 (87.1)	24.4 (92.4)	25.8 (97.7)	Flows: 18 – 25 gpm (68.1 – 94.6 lpm) psi: 400 – 1400 (bar: 27.6 – 96.5) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 25 (18.6 kW)
	HP (Kilowatts) required @ RPM**			17.9 (13.3)	20.7 (15.4)	22.1 (16.5)	23.4 (17.4)	25.0 (18.6)		
CXP30-12	1.625 (41.3)	1200 (82.7)	.0336 (.1272)	21.9 (82.9)	25.3 (95.8)	26.9 (101.8)	28.6 (108.3)	30.3 (114.7)	Flows: 21 – 30 gpm (79.5 – 113.6 lpm) psi: 200 – 1200 (bar: 13.8 – 82.7) Stroke Length: 1.25 in. (31.75 mm) Weight: 104 lbs. (47.2 kg)	Max. HP 25 (18.6 kW)
	HP (Kilowatts) required @ RPM**			18.0 (13.4)	20.8 (15.5)	36.9 (27.5)	23.6 (17.6)	25.0 (18.6)		

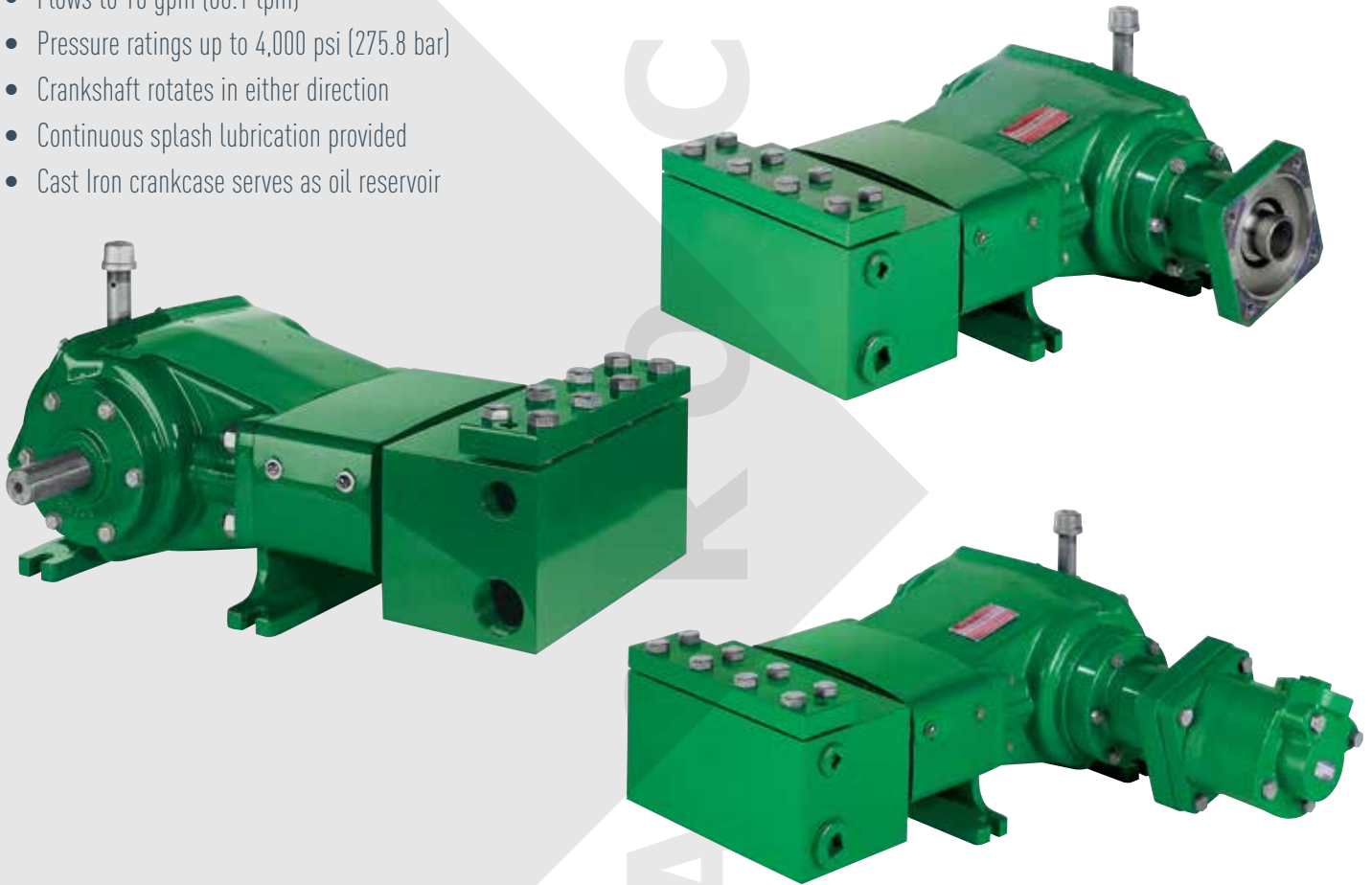
Metallurgy is available in Ductile Iron
 * Displacement based on 100% volumetric efficiency
 ** Power based on 85% mechanical efficiency

CPM Series

Superior equipment technology allows the versatility to machine the pump end from a selection of standard or optional materials. Removable cover section for easy service and is available with hydraulic drive adaption.

CPM Pump Features

- Flows to 18 gpm (68.1 lpm)
- Pressure ratings up to 4,000 psi (275.8 bar)
- Crankshaft rotates in either direction
- Continuous splash lubrication provided
- Cast Iron crankcase serves as oil reservoir



CPM18-40	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	363 RPM US gpm (lpm)	483 RPM US gpm (lpm)	604 RPM US gpm (lpm)	725 RPM US gpm (lpm)	Flows: 5 – 20 gpm (18.9 – 75.7 lpm) psi: 1200 – 4000 (bar: 82.7 – 275.8) Stroke Length: 1.75 in. (44.45 mm) Weight: 300 lbs. (136 kg)	Max. HP 55 (41.0 kW)
	1.25 (31.75)	4000 (275.8)	.0278 (.1052)	5.5 (20.82)	10.0 (37.9)	13.4 (50.7)	16.7 (63.2)	20.1 (76.1)		
HP (Kilowatts) required @ RPM**				15.0 (11.2)	27.4 (20.4)	36.7 (27.4)	45.8 (34.2)	55.0 (41.0)		

Metallurgy is available in Carbon Steel or Stainless Steel

CPM24-30	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	363 RPM US gpm (lpm)	483 RPM US gpm (lpm)	604 RPM US gpm (lpm)	725 RPM US gpm (lpm)	Flows: 2 – 22 gpm (7.6 – 83.3 lpm) psi: 1000 – 3000 (bar: 68.9 – 206.8) Stroke Length: 1.75 in. (44.45 mm) Weight: 300 lbs. (136 kg)	Max. HP 46 (34.3 kW)
	1.5 (38.1)	3000 (206.8)	.0402 (.1520)	8.0 (30.4)	14.6 (55.2)	19.4 (73.4)	24.3 (91.8)	29.1 (110.2)		
HP (Kilowatts) required @ RPM**				16.5 (12.3)	30.0 (22.4)	39.9 (29.8)	49.9 (37.2)	60.0 (44.7)		

Metallurgy is available in Carbon Steel or Stainless Steel

* Displacement based on 100% volumetric efficiency

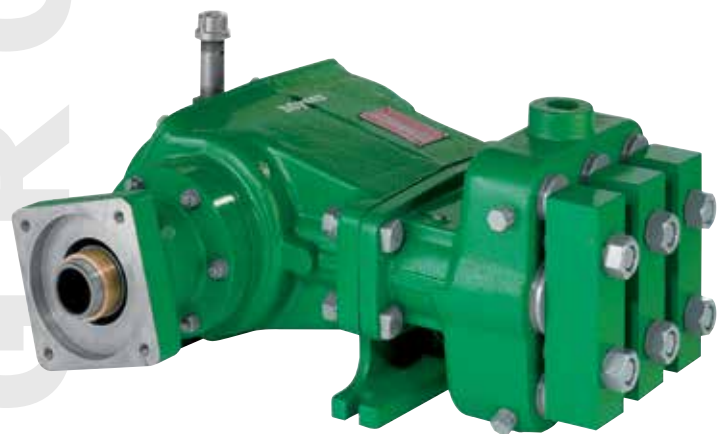
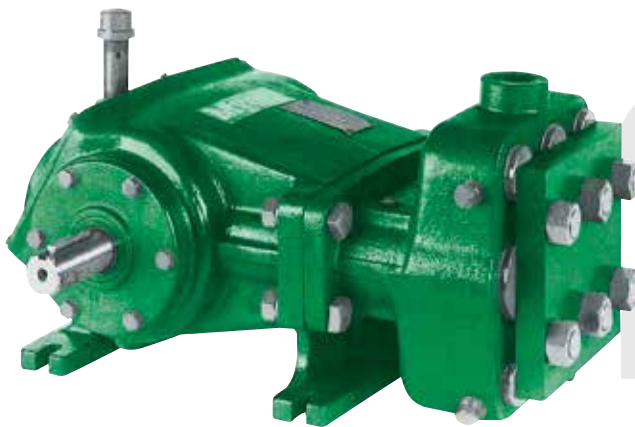
** Power based on 85% mechanical efficiency

C Series

Heavy-duty piston pump with high-strength fluid end and spring-loaded flat valves for economical high-pressure pumping of large volumes of fluid. Crankshaft can be rotated in either direction making installation easier.

C Series Pump Features

- Flows to 40 gpm (151.4 lpm)
- Pressure ratings to 2,500 psi (172.4 bar)
- High-strength fluid end with spring-loaded flat valves for consistent high pressure pumping
- Easily serviced in field without removal of pump



	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	325 RPM US gpm (lpm)	425 RPM US gpm (lpm)	525 RPM US gpm (lpm)	625 RPM US gpm (lpm)		
C25-25	1.50 (38.1)	2500 (172.4)	.0401 (.1518)	8.0 (30.3)	13.0 (49.2)	17.0 (64.4)	21.0 (79.5)	25.0 (94.6)	Flows: 8 – 25 gpm (30.3 – 94.6 lpm) psi: 700 – 2500 (bar: 48.3 – 172.4) Stroke Length: 1.75 in. (44.45 mm) Weight: 300 lbs. (136 kg)	Max. HP 42 (31.3 kW)
	HP (Kilowatts) required @ RPM**				13.8 (10.3)	22.3 (16.6)	29.1 (21.7)	36.0 (26.8)		
C35-20	1.75 (44.45)	2000 (137.9)	.0546 (.2069)	10.9 (41.3)	20.4 (77.2)	25.9 (98.0)	31.3 (118.5)	36.8 (139.3)	Flows: 10 – 36 gpm (37.8 – 136.3 lpm) psi: 600 – 2000 (bar: 41.4 – 137.9) Stroke Length: 1.75 in. (44.45 mm) Weight: 300 lbs. (136 kg)	Max. HP 50 (37.3 kW)
	HP (Kilowatts) required @ RPM**				14.9 (11.1)	28.0 (20.9)	35.5 (26.5)	42.9 (32.0)		
C40-20	2.00 (50.8)	2000 (137.9)	.0714 (.2703)	14.2 (53.8)	21.4 (81.0)	26.7 (101.1)	33.9 (128.3)	41.0 (155.2)	Flows: 14 – 41 gpm (53.0 – 155.2 lpm) psi: 600 – 2000 (bar: 41.4 – 137.9) Stroke Length: 1.75 in. (44.45 mm) Weight: 300 lbs. (136 kg)	Max. HP 56 (41.8 kW)
	HP (Kilowatts) required @ RPM**				19.4 (14.5)	29.3 (21.8)	36.6 (27.3)	46.5 (34.7)		

Metallurgy available in Ductile Iron only
 * Displacement based on 100% volumetric efficiency
 ** Power based on 85% mechanical efficiency

D Series

Slow operating speed reduces wear and prolongs pump life. The fluid end is available in ductile iron or aluminum bronze with flat valves, making routine maintenance easy without removing the pump from the system. All the valve and piston assemblies are serviceable through convenient front and top openings.

D Series Pump Features

- Flows to 65 gpm (246 lpm)
- Pressure ratings up to 2,000 psi (137.9 bar)
- Internal gear reductions
- Continuous splash lubrication provided either direction of rotation



D35-8PP	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	600 RPM US gpm (lpm)	650 RPM US gpm (lpm)	700 RPM US gpm (lpm)	750 RPM US gpm (lpm)	800 RPM US gpm (lpm)	Flows: 26 – 34 gpm (98.4 – 128.7 lpm) psi: 600 – 1200 (bar: 41.4 – 82.74) Stroke Length: 2.875 in. (73.03 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 30 (22.4 kW)
	2.25 (57.15)	1200 (82.74)	.0437 (.1654)	26.2 (99.2)	28.4 (107.5)	30.5 (115.5)	32.7 (123.8)	34.9 (132.1)		
HP (Kilowatts) required @ RPM**				21.5 (16.0)	23.3 (17.4)	25.1 (18.7)	26.9 (20.1)	30.0 (22.4)		
D35-12	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	725 RPM US gpm (lpm)	825 RPM US gpm (lpm)	925 RPM US gpm (lpm)	1025 RPM US gpm (lpm)	1075 RPM US gpm (lpm)	Flows: 25 – 37 gpm (94.6 – 140.1 lpm) psi: 600 – 2000 (bar: 41.4 – 82.74) Stroke Length: 2.875 in. (73.03 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 30 (22.4 kW)
	2.00 (50.8)	1200 (82.74)	.0346 (.1310)	25.0 (94.6)	28.5 (107.9)	32.0 (121.1)	35.4 (134.0)	37.1 (140.4)		
HP (Kilowatts) required @ RPM**				20.5 (15.3)	23.4 (17.4)	26.3 (19.6)	29.1 (21.7)	30.0 (22.4)		

*D35 Series have internal gear reduction of 3.39:1

D50-12	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	725 RPM US gpm (lpm)	825 RPM US gpm (lpm)	925 RPM US gpm (lpm)	1025 RPM US gpm (lpm)	1075 RPM US gpm (lpm)	Flows: 35 – 52 gpm (132.5 – 196.8 lpm) psi: 400 – 1200 (bar: 27.58 – 82.74) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 45 (33.6 kW)
	2.25 (57.15)	1200 (82.74)	.0490 (.1855)	35.5 (134.4)	40.4 (152.9)	45.3 (171.5)	50.2 (190.0)	52.6 (199.1)		
HP (Kilowatts) required @ RPM**				29.2 (21.8)	33.2 (24.8)	37.3 (27.8)	41.3 (30.8)	45.0 (33.6)		
D60-10	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	725 RPM US gpm (lpm)	825 RPM US gpm (lpm)	925 RPM US gpm (lpm)	1025 RPM US gpm (lpm)	1075 RPM US gpm (lpm)	Flows: 43 – 65 gpm (162.7 – 246.1 lpm) psi: 400 – 1000 (bar: 27.58 – 68.95) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 45 (33.6 kW)
	2.50 (63.5)	1000 (68.95)	.0605 (.2290)	43.8 (165.8)	49.9 (188.9)	55.9 (211.6)	62.0 (234.7)	65.0 (246.1)		
HP (Kilowatts) required @ RPM**				30.0 (22.4)	34.2 (25.5)	38.3 (28.6)	42.5 (31.7)	45.0 (33.6)		
D65-16	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	1112 RPM US gpm (lpm)	1247 RPM US gpm (lpm)	1446 RPM US gpm (lpm)	1490 RPM US gpm (lpm)	1570 RPM US gpm (lpm)	Flows: 48 – 68 gpm (181.7 – 257.4 lpm) psi: 1000 – 1600 (bar: 68.95 – 110.3) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 75 (55.9 kW)
	2.125 (53.98)	1600 (110.3)	.0437 (.1654)	48.5 (183.6)	54.4 (205.9)	63.1 (238.9)	65.1 (246.4)	68.6 (259.7)		
HP (Kilowatts) required @ RPM**				53.2 (39.7)	59.9 (44.7)	69.2 (51.6)	71.4 (53.2)	75.0 (55.9)		
D65-20	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	1000 RPM US gpm (lpm)	1200 RPM US gpm (lpm)	1400 RPM US gpm (lpm)	1600 RPM US gpm (lpm)	1800 RPM US gpm (lpm)	Flows: 38 – 69 gpm (143.8 – 261.2 lpm) psi: 1000 – 2000 (bar: 68.95 – 137.9) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 95 (70.8 kW)
	2.00 (50.8)	2000 (137.9)	.0387 (.1465)	38.7 (146.5)	46.4 (175.6)	54.1 (204.8)	61.9 (234.3)	69.6 (263.5)		
HP (Kilowatts) required @ RPM**				53.1 (39.6)	63.6 (47.4)	74.2 (55.3)	84.9 (63.3)	95.0 (70.8)		

Metallurgy is available in Ductile Iron or Aluminum Bronze "D" Series have an internal gear reduction of 3.95:1 – except as noted

* Displacement based on 100% volumetric efficiency

** Power based on 85% mechanical efficiency

DP Series

M
O
D

Myers® largest high volume/pressure series offers interchangeable plungers, seals, and fluid ends to provide various flow/pressure ratings. Also available in hydraulic drive configuration.

DP Series Pump Features

- Flows to 120 gpm (454.2 lpm)
- Pressure ratings up to 5,500 psi (379.2 bar)
- Internal gear reductions of 3.95:1
- Super hard, non-scoring plungers
- Suction and discharge located for easy service
- Offerings of seven interchangeable plunger and seal packages



Model	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	1000 RPM US gpm (lpm)	1200 RPM US gpm (lpm)	1400 RPM US gpm (lpm)	1750 RPM US gpm (lpm)	1800 RPM US gpm (lpm)	Flows	Max. HP (kW)
DP28-55	1.25 (31.75)	5500 (379.2)	.0151 (.0572)	15.1 (57.2)	18.1 (68.5)	21.1 (79.9)	26.4 (99.9)	27.2 (103.0)	Flows: 15 – 27 gpm (56.8 – 102.2 lpm) psi: 4500 – 5500 (bar: 310.3 – 379.2) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			57.0 (42.5)	68.3 (50.9)	76.6 (57.1)	99.6 (74.3)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			57.0 (42.5)	68.3 (50.9)	76.6 (57.1)	99.6 (74.3)	102.0 (76.1)		
DP40-38	1.50 (38.1)	3800 (262.0)	.0217 (.0821)	21.7 (82.1)	26.1 (98.8)	30.5 (115.5)	38.1 (144.2)	39.2 (148.4)	Flows: 21 – 39 gpm (79.5 – 147.6 lpm) psi: 2800 – 3800 (bar: 163.1 – 262.0) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			56.5 (42.1)	68.0 (50.7)	79.5 (59.3)	45.7 (34.1)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			56.5 (42.1)	68.0 (50.7)	79.5 (59.3)	45.7 (34.1)	102.0 (76.1)		
DP55-28	1.75 (44.45)	2800 (193.1)	.0296 (.1120)	29.6 (112.0)	35.5 (134.4)	41.4 (156.7)	51.8 (196.1)	53.3 (201.8)	Flows: 29 – 53 gpm (109.8 – 200.6 lpm) psi: 1800 – 2800 (bar: 124.1 – 163.1) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			56.8 (42.4)	67.8 (50.6)	79.5 (59.3)	99.5 (74.2)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			56.8 (42.4)	67.8 (50.6)	79.5 (59.3)	99.5 (74.2)	102.0 (76.1)		
DP70-22	2.00 (50.8)	2150 (148.2)	.0387 (.1465)	38.7 (146.5)	46.4 (175.6)	54.2 (205.2)	67.7 (256.3)	69.7 (263.8)	Flows: 38-69 gpm (143.8-261.2 lpm) psi: 1150 – 2150 (bar: 79.3 – 148.2) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			57.1 (42.6)	68.4 (51.0)	79.9 (59.6)	99.9 (74.5)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			57.1 (42.6)	68.4 (51.0)	79.9 (59.6)	99.9 (74.5)	102.0 (76.1)		
DP80-20	2.125 (53.975)	1900 (131.0)	.0437 (.1654)	43.7 (165.4)	52.4 (198.4)	61.2 (231.7)	76.5 (289.6)	78.7 (297.9)	Flows: 43 – 78 gpm (162.8 – 295.3 lpm) psi: 900 – 1900 (bar: 62.1 – 131.0) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			56.9 (42.4)	68.3 (50.9)	79.8 (59.5)	99.7 (74.3)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			56.9 (42.4)	68.3 (50.9)	79.8 (59.5)	99.7 (74.3)	102.0 (76.1)		
DP90-18	2.25 (57.15)	1700 (117.2)	.0490 (.1855)	49.0 (185.5)	58.8 (222.6)	68.6 (259.7)	85.7 (324.4)	82.2 (311.2)	Flows: 49 – 88 gpm (185.5 – 333.1 lpm) psi: 700 – 1700 (bar: 27.6 – 96.5) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			57.1 (42.6)	68.6 (51.2)	80.0 (59.7)	99.9 (74.5)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			57.1 (42.6)	68.6 (51.2)	80.0 (59.7)	99.9 (74.5)	102.0 (76.1)		
DP120-12	2.625 (66.675)	1200 (82.7)	.0667 (.2525)	66.7 (252.5)	80.0 (302.8)	93.4 (353.6)	116.7 (441.8)	120.1 (454.6)	Flows: 66 – 120 gpm (249.8 – 454.2 lpm) psi: 200 – 1200 (bar: 13.8 – 82.7) Stroke Length: 3.75 in. (95.25 mm) Weight: 725 lbs. (328.9 kg)	Max. HP 102 (76.1 kW)
	HP (Kilowatts) required @ RPM**			54.9 (40.9)	65.8 (49.1)	89.7 (66.9)	96.1 (71.7)	102.0 (76.1)		
	HP (Kilowatts) required @ RPM**			54.9 (40.9)	65.8 (49.1)	89.7 (66.9)	96.1 (71.7)	102.0 (76.1)		

Metallurgy is available in Ductile Iron
 DP Series have an internal gear reduction of 3.95:1

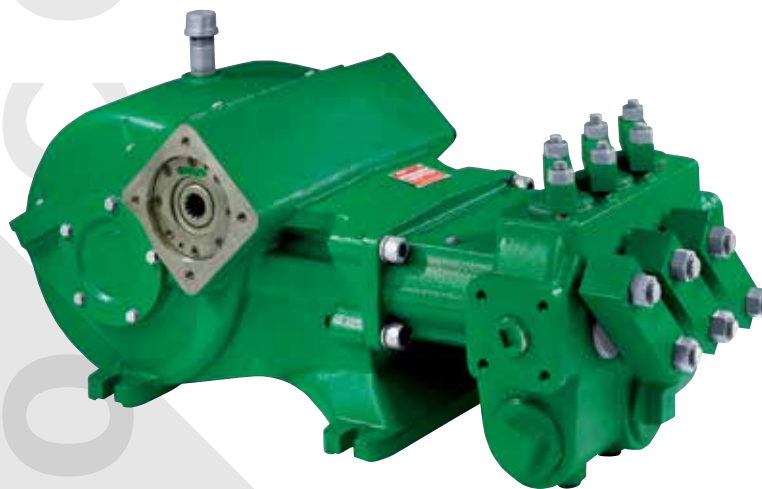
* Displacement based on 100% volumetric efficiency
 ** Power based on 85% mechanical efficiency

E Series

Gearcase of rugged cast iron protects the gears and serves as oil reservoir for continuous splash lubrication. Pinion and gear are helical cut and machined from high-strength alloy steel, and can rotate in either direction. Valves are abrasion resistant for dependable service in the harshest environments.

E Series Pump Features

- Flows to 110 gpm (416.4 lpm)
- Pressure ratings up to 3,000 psi (206.8 bar)
- Easily serviced in field without removal of pump
- Abrasion resistant valve assemblies
- Internal gear reductions of 3.95 to 1



E54-30	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	1012 RPM US gpm (lpm)	1215 RPM US gpm (lpm)	1417 RPM US gpm (lpm)	1620 RPM US gpm (lpm)	1823 RPM US gpm (lpm)	Flows: 30 – 53 gpm (113.6 – 200.6 lpm) psi: 1800 – 3000 (bar: 124.1 – 206.8) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 110 (82 kW)
	1.75 (44.45)	3000 (206.8)	.0296 (.1120)	29.9 (113.2)	35.9 (135.9)	41.9 (158.6)	47.9 (181.3)	53.9 (204.0)		
	HP (Kilowatts) required @ RPM**			65.1 (48.5)	73.9 (55.1)	86.2 (64.3)	96.6 (72.0)	110 (82.0)		
E70-23	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	774 RPM US gpm (lpm)	1032 RPM US gpm (lpm)	1290 RPM US gpm (lpm)	1549 RPM US gpm (lpm)	1807 RPM US gpm (lpm)	Flows: 30 – 70 gpm (113.6 – 265 lpm) psi: 1900 – 2300 (bar: 131 – 158.6) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 110 (82 kW)
	2.00 (50.8)	2300 (158.6)	.0387 (.1465)	29.9 (113.2)	39.9 (151)	49.9 (188.9)	59.9 (226.7)	69.9 (264.6)		
	HP (Kilowatts) required @ RPM**			47.1 (35.1)	62.9 (46.9)	78.7 (58.7)	94.5 (70.5)	110 (82.0)		
E80-20	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	914 RPM US gpm (lpm)	1143 RPM US gpm (lpm)	1371 RPM US gpm (lpm)	1600 RPM US gpm (lpm)	1828 RPM US gpm (lpm)	Flows: 40 – 80 gpm (151.4 – 302.8 lpm) psi: 1200 – 2000 (bar: 82.7 – 137.9) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 110 (82 kW)
	2.125 (54.0)	2000 (137.9)	.0437 (.1654)	39.9 (151)	49.9 (188.9)	59.9 (226.7)	69.9 (264.6)	79.8 (302.0)		
	HP (Kilowatts) required @ RPM**			54.7 (40.8)	68.4 (51.0)	82.2 (61.3)	95.9 (71.5)	110 (82.0)		
E80-25	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	1031 RPM US gpm (lpm)	1290 RPM US gpm (lpm)	1548 RPM US gpm (lpm)	1806 RPM US gpm (lpm)	2064 RPM US gpm (lpm)	Flows: 40 – 80 gpm (151.4 – 302.8 lpm) psi: 1200 – 2500 (bar: 82.7 – 172.4) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 137 (82 kW)
	2.00 (50.8)	2500 (172.4)	.0387 (.1465)	40.0 (151.0)	50.0 (189.3)	60 (227.1)	70 (265.0)	80 (302.8)		
	HP (Kilowatts) required @ RPM**			67.0 (50.0)	86.0 (64.1)	103 (76.8)	120 (89.5)	137 (102.2)		
E110-14	Piston Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	1157 RPM US gpm (lpm)	1322 RPM US gpm (lpm)	1487 RPM US gpm (lpm)	1652 RPM US gpm (lpm)	1817 RPM US gpm (lpm)	Flows: 70 – 109 gpm (265 – 412.6 lpm) psi: 800 – 1400 (bar: 55.2 – 96.5) Stroke Length: 3.75 in. (95.25 mm) Weight: 525 lbs. (238.1 kg)	Max. HP 110 (82 kW)
	2.5 (63.5)	1477 (101.8)	.0605 (.2290)	69.9 (264.6)	79.9 (302.5)	89.9 (340.3)	99.9 (378.2)	109.9 (416.0)		
	HP (Kilowatts) required @ RPM**			67.1 (50.0)	76.7 (57.2)	86.3 (64.4)	95.9 (71.5)	110 (82.0)		

Metallurgy available in Ductile Iron only

*E Series have an internal gear reduction of 3.95:1

* Displacement based on 100% volumetric efficiency

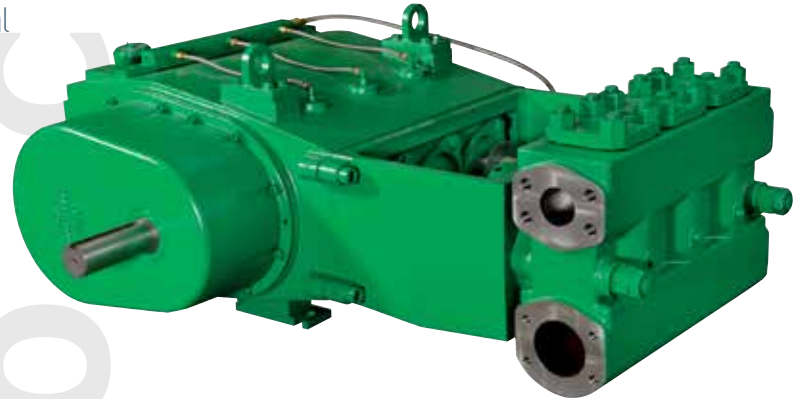
** Power based on 85% mechanical efficiency

HPL Series

This series brings you the latest in sewer jet pump technology from your time-tested partner, Myers®. The HPL keeps your truck running with industry-leading serviceability, a breakthrough in jetting. New cartridge valves, an open cradle for packing and plunger maintenance, and an external lube filter minimize maintenance time, keeping your equipment on the job making you money.

HPL Series Pump Features

- True 120 gpm (454.2 lpm) at 3000 psi (206.8 bar), not nominal
- Rated for continuous duty
- Full pressure lubrication
- Pressure ratings up to 3000 psi (206.8 bar)
- Open cradle for quick service
- Abrasion resistant cartridge style valves for ease of service and quiet, long life
- Internal gear reduction 4.087 to 1.0



	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	837 RPM US gpm (lpm)	1115 RPM US gpm (lpm)	1394 RPM US gpm (lpm)	1691 RPM US gpm (lpm)	1770 RPM US gpm (lpm)	Flows: 60 – 100 gpm (227.1 – 378.5 lpm) psi: 1000 – 3000 (bar: 68.9 – 206.8) Stroke Length: 4.00 in. (101.60 mm) Weight: 2880 lbs. (1306.3 kg)	Max. HP 247 (184.2 kW)
HPL 120-30	2.75 (69.9)	3000 (206.8)	.0706 (.2673)	60.0 (227.1)	80.0 (302.8)	100.0 (378.5)	120.0 (454.2)	125.0 (473.2)		
HP (Kilowatts) required @ RPM**				131.5 (98.1)	175.0 (130.5)	219.0 (163.3)	263.0 (196.1)	247.0 (184.2)		

Metallurgy available in Ductile Iron only

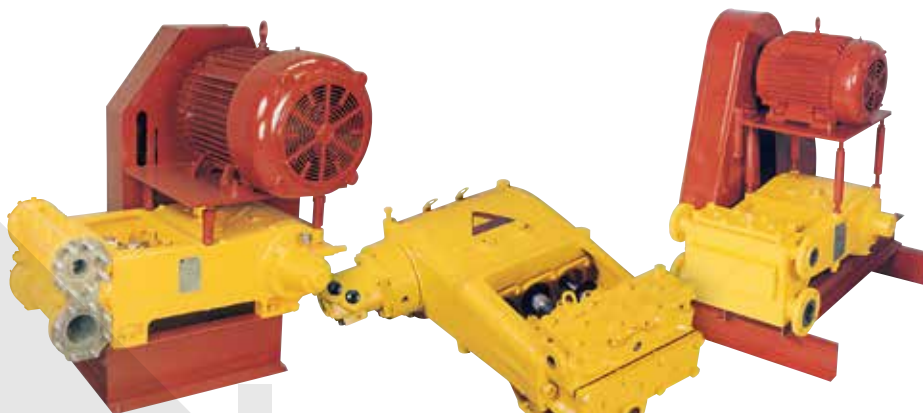
HPL 120-30 has internal gear reductions of 4.087:1

* Displacement based on 100% volumetric efficiency

** Power based on 85% mechanical efficiency

Myers® Aplex Series Product Features

- Each pump is engineered to your specifications
- Flows to 600 gpm (2271 lpm)
- Pressures up to 5,500 psi (379.2 bar)
- Reliable, trouble-free performance
- Built for field serviceability
- Pumps can be assembled with either a horizontal or vertical motor mount
- Rokide® coated stainless steel plungers or TX plungers for more abrasive applications
- Various different valve types are available
- Numerous types of packing to meet all your pumping needs
- Total quality control over the manufacturing process – from the casting, to the assembly of complete factory-built pump skid packages



Myers Aplex Series Field-Proven Economic and Reliability Features

A. Valves

Unique (patented) hardened stainless steel disc-type valves for longer life cycle and servicing. Additional valve types are: delrin disc, titanium disc, abrasion resistant, and dual-stem guided

B. Plungers

Myers Aplex Rokide chrome-oxide coated on stainless steel substrate or TX for abrasive service

C. Stuffing Boxes

Replaceable and field-servicable – available in various metallurgies

D. Liquid Ends

Available in a variety of metallurgies

E. Valve Covers

Provide easy access to valve components

F. Crosshead Extension Rods

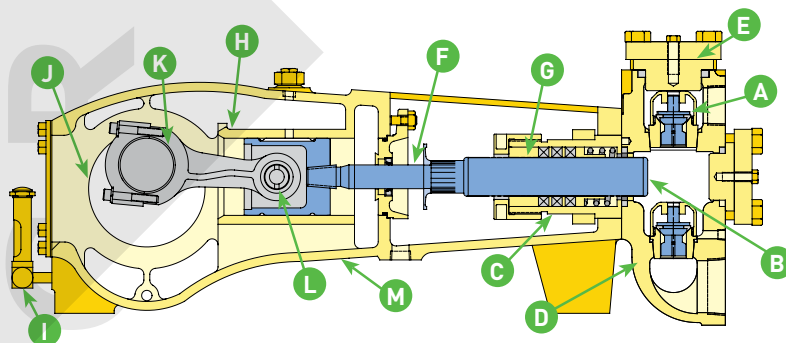
Solid heat-treated stainless steel for hardness and corrosion-resistance

G. Packing Assemblies

Available in a wide selection of styles to meet your specific needs

H. Power-End Lubrication Systems

A combination of splash and scoop methods to deliver proper lubrication of the power-end at a wide range of pump speeds



I. Oil Level Sight Glass

Provides quick and easy oil level inspection

J. Crankshaft Journal Bearings

Precision steel backed, babbitted inserts require no shimming of the rod cap for perfect running clearance

K. Crankshafts

Forged steel or ductile iron, precision ground and polished for low friction and supported by large Timken roller bearings

L. Connecting Rods

Utilizing case-hardened and centerless-ground alloy steel crosshead pins and large leaded bronze bushings. Provide an excellent design to cope with applications involving high suction pressures

M. Power Frame Cradle

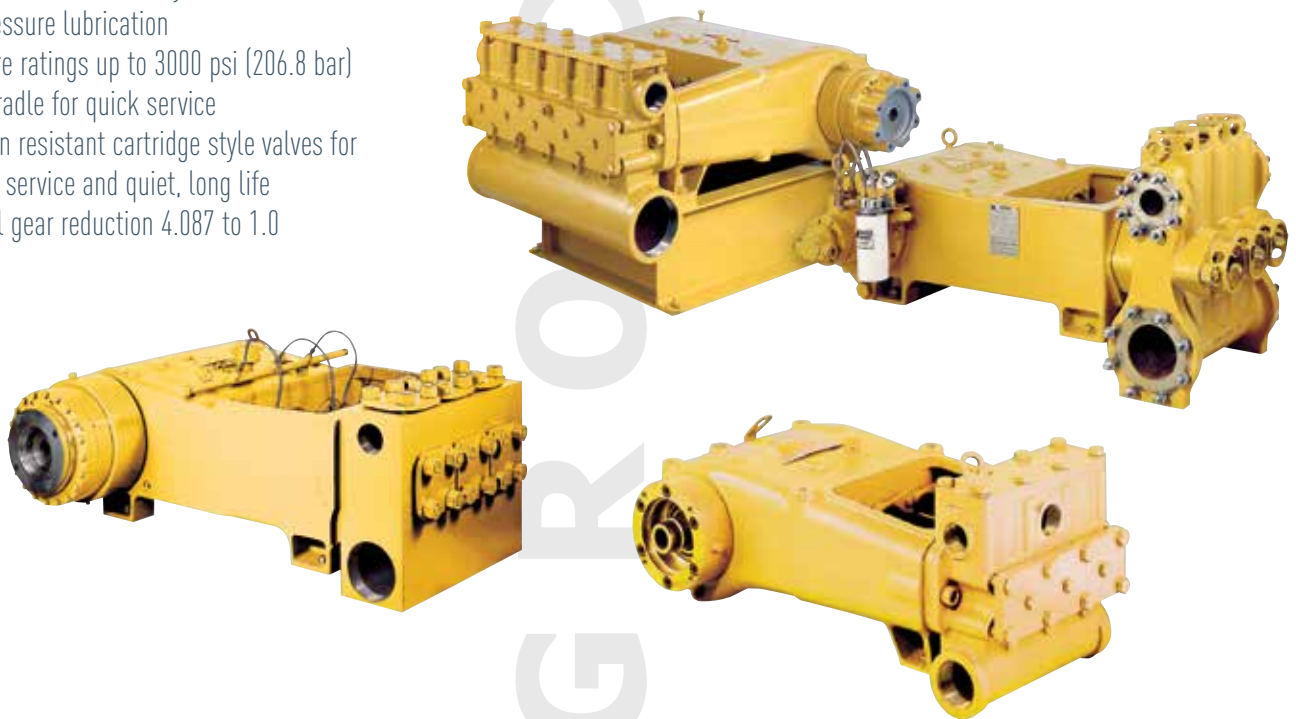
Unobstructed access for easy entry and servicing of plungers, packing, and stuffing boxes

SC Series

Built for "intermittent duty" at full ratings for shift type of work, i.e. eight hours per day. This pump line offers the same design features as the MA Series in a smaller more compact and cost-effective design for this type of work and follows Hydraulic Institute Standards.

SC Series features

- True 120 gpm (454.2 lpm) at 3000 psi (206.8 bar), not nominal
- Rated for continuous duty
- Full pressure lubrication
- Pressure ratings up to 3000 psi (206.8 bar)
- Open cradle for quick service
- Abrasion resistant cartridge style valves for ease of service and quiet, long life
- Internal gear reduction 4.087 to 1.0



SC Series Sizing Charts

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	650 RPM US gpm (lpm)	Flows: 7 – 35 gpm (26.5 – 132.5 lpm) psi: 1743 – 3417 (bar: 120.2 – 235.6) Stroke Length: 1.75 in. (44.45 mm) Weight: 225 lbs. (102.1 kg)	Max. HP 40 (29.8 kW)
Piston Only → SC-30 ⁺	1.750 (44.450)	1743 (120.2)	.0547 (.2071)	13.7 (51.9)	19.1 (72.3)	24.6 (93.1)	30.1 (114.0)	35.5 (134.4)		
	1.625 (41.275)	2022 (139.4)	.0471 (.1783)	11.8 (44.7)	16.5 (62.5)	21.2 (80.1)	25.9 (98.0)	30.6 (115.8)		
	1.500 (38.100)	2373 (163.6)	.0402 (.1522)	10.0 (37.9)	14.1 (53.4)	18.1 (68.5)	22.1 (83.7)	26.1 (98.8)		
	1.375 (34.925)	2824 (194.7)	.0337 (.1276)	8.4 (31.8)	11.8 (44.7)	15.2 (57.5)	18.6 (70.4)	21.9 (82.9)		
	1.250 (31.750)	3417 (235.6)	.0279 (.1056)	7.0 (26.5)	9.8 (37.1)	12.6 (47.7)	15.3 (57.9)	18.1 (68.5)		
HP (Kilowatts) required @ RPM**				21.6 (16.1)	27.8 (20.7)	34.0 (25.4)	40.0 (29.8)			

* Displacement based on 100% volumetric efficiency

**Power based on 90% mechanical efficiency

+Standard Offering. See price pages for standard options.

SC Series Sizing Charts (Continued)

SC-30H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	650 RPM US gpm (lpm)	Flows: 3 – 14 gpm (11.4 – 53.0 lpm) psi: 4218 – 5000 (bar: 290.8 – 344.7) Stroke Length: 1.75 in. (44.45 mm) Weight: 275 lbs. (124.7 kg)	Max. HP 40 (29.8 kW)
	1.125 (28.575)	4218 (290.8)	.0226 (.0856)	5.6 (21.2)	7.9 (30.0)	10.2 (38.6)	12.4 (46.9)	14.7 (55.6)		
	1.000 (25.400)	5000 (344.7)	.0179 (.0678)	4.5 (17.0)	6.2 (23.5)	8.0 (30.3)	9.8 (37.1)	11.6 (43.9)		
	.875 (22.225)	5000 (344.7)	.0137 (.0519)	3.4 (12.9)	4.8 (18.2)	6.1 (23.1)	7.5 (28.4)	8.9 (33.7)		
	HP (Kilowatts) required @ RPM**			15.4 (11.5)	21.6 (16.1)	27.8 (20.7)	34.0 (25.4)	40.0 (29.8)		

SC-45L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 18 – 69 gpm (68.1 – 261.2 lpm) psi: 1330 – 1683 (bar: 91.7 – 116.0) Stroke Length: 2.25 in. (57.15 mm) Weight: 475 lbs. (215.5 kg)	Max. HP 60 (44.7 kW)
	2.250 (57.150)	1330 (91.7)	.1162 (.4399)	23.2 (87.8)	34.9 (132.1)	46.5 (176.1)	58.1 (219.9)	69.7 (263.8)		
	2.125 (53.975)	1491 (102.8)	.1036 (.3922)	20.7 (78.4)	31.1 (117.7)	41.5 (157.1)	51.8 (196.1)	62.2 (235.5)		
	2.000 (50.800)	1683 (116.0)	.0918 (.3475)	18.4 (69.7)	27.5 (104.1)	36.7 (138.9)	45.9 (173.8)	55.1 (208.6)		
	HP (Kilowatts) required @ RPM**			20.0 (14.9)	30.1 (22.4)	40.1 (29.9)	50.1 (37.4)	60.0 (44.7)		

SC-45	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 10 – 48 gpm (37.9 – 181.7 lpm) psi: 1912 – 2988 (bar: 131.8 – 206.0) Stroke Length: 2.25 in. (57.15 mm) Weight: 430 lbs. (195.0 kg)	Max. HP 60 (44.7 kW)
	1.875 (47.625)	1912 (131.8)	.0807 (.3055)	16.1 (60.9)	24.2 (91.6)	32.3 (122.3)	40.3 (152.6)	48.4 (183.2)		
	1.750 (44.450)	2195 (151.3)	.0703 (.2661)	14.1 (53.4)	21.1 (79.9)	28.1 (106.4)	35.1 (132.9)	42.2 (159.7)		
	1.625 (41.275)	2546 (175.5)	.0606 (.2294)	12.1 (45.8)	18.2 (68.9)	24.2 (91.6)	30.3 (114.7)	36.4 (137.8)		
	1.500 (38.100)	2988 (206.0)	.0516 (.1953)	10.3 (39.0)	15.5 (58.7)	20.7 (78.4)	25.8 (97.7)	31.0 (117.3)		
	HP (Kilowatts) required @ RPM**			20.0 (14.9)	30.0 (22.4)	40.0 (29.8)	50.0 (37.3)	60.0 (44.7)		

SC-45H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 5 – 26 gpm (18.9 – 98.4 lpm) psi: 3556 – 5000 (bar: 245.2 – 344.7) Stroke Length: 2.25 in. (57.15 mm) Weight: 430 lbs. (195.0 kg)	Max. HP 60 (44.7 kW)
	1.375 (34.925)	3556 (245.2)	.0434 (.1643)	8.7 (32.9)	13.0 (49.2)	17.4 (65.9)	21.7 (82.1)	26.0 (98.4)		
	1.250 (31.750)	4302 (296.6)	.0359 (.1359)	7.2 (27.3)	10.8 (40.9)	14.3 (54.1)	17.9 (67.8)	21.5 (81.4)		
	1.125 (28.575)	5000 (344.7)	.0290 (.1098)	5.8 (22.0)	8.7 (32.9)	11.6 (43.9)	14.5 (54.9)	17.4 (65.9)		
	HP (Kilowatts) required @ RPM**			20.0 (14.9)	30.0 (22.4)	40.0 (29.8)	50.0 (37.3)	60.0 (44.7)		

Piston Only SC-65L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 28 – 116 gpm (106.0 – 439.1 lpm) psi: 1215 – 1815 (bar: 83.8 – 125.1) Stroke Length: 2.75 in. (69.85 mm) Weight: 750 lbs. (340.2 kg)	Max. HP 92 (68.6 kW)
	3.000 (76.200)	1050 (72.4)	.2520 (.9539)	50.5 (191.2)	63.1 (238.9)	88.3 (334.3)	113.6 (430.0)	138.8 (525.4)		
	2.750 (69.850)	1215 (83.8)	.2121 (.8029)	42.4 (160.5)	53.0 (200.6)	74.2 (280.9)	95.5 (361.5)	116.7 (441.8)		
	2.625 (66.675)	1334 (92.0)	.1933 (.7317)	38.7 (146.5)	48.3 (182.8)	67.6 (255.9)	87.0 (329.3)	106.3 (402.4)		
	2.500 (63.500)	1471 (101.4)	.1753 (.6636)	35.1 (132.9)	43.8 (165.8)	61.4 (232.4)	78.9 (298.7)	96.4 (364.9)		
	2.375 (60.325)	1630 (112.4)	.1582 (.5989)	31.6 (119.6)	39.6 (149.9)	55.4 (209.7)	71.2 (269.5)	87.0 (329.3)		
	2.250 (57.150)	1815 (125.1)	.1420 (.5375)	28.4 (107.5)	35.5 (134.4)	49.7 (188.1)	63.9 (241.9)	78.1 (295.6)		
	HP (Kilowatts) required @ RPM**			33.4 (24.9)	41.8 (31.2)	58.5 (43.6)	75.2 (56.1)	92.0 (68.6)		

SC-65	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 17 – 78 gpm (64.4 – 295.3 lpm) psi: 1815 – 3000 (bar: 125.1 – 206.8) Stroke Length: 2.75 in. (69.85 mm) Weight: 750 lbs. (340.2 kg)	Max. HP 92 (68.6 kW)
	2.250 (57.150)	1815 (125.1)	.1420 (.5375)	28.4 (107.5)	35.5 (134.4)	49.7 (188.1)	63.9 (241.9)	78.1 (295.6)		
	2.125 (53.975)	2035 (140.3)	.1267 (.4796)	25.3 (95.8)	31.7 (120.0)	44.3 (167.7)	57.0 (215.8)	69.7 (263.8)		
	2.000 (50.800)	2297 (158.4)	.1122 (.4247)	22.4 (84.8)	28.1 (106.4)	39.3 (148.8)	50.5 (191.2)	61.7 (233.6)		
	1.875 (47.625)	2613 (180.2)	.0986 (.3732)	19.7 (74.6)	24.7 (93.5)	34.5 (130.6)	44.4 (168.1)	54.2 (205.2)		
	1.750 (44.450)	3000 (206.8)	.0859 (.3252)	17.2 (65.1)	21.5 (81.4)	30.1 (114.0)	38.7 (146.5)	47.2 (178.7)		
	HP (Kilowatts) required @ RPM**			33.4 (24.9)	41.8 (31.2)	58.5 (43.6)	75.2 (56.1)	92.0 (68.6)		

SC-65H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 8 – 40 gpm (30.3 – 151.4 lpm) psi: 3479 – 5000 (bar: 239.9 – 344.7) Stroke Length: 2.75 in. (69.85 mm) Weight: 795 lbs. (360.6 kg)	Max. HP 92 (68.6 kW)
	1.625 (41.275)	3479 (239.9)	.0741 (.2805)	14.8 (56.0)	18.5 (70.0)	25.9 (98.0)	33.3 (126.1)	40.7 (154.1)		
	1.500 (38.100)	4083 (281.5)	.0631 (.2389)	12.6 (47.7)	15.8 (59.8)	22.1 (83.7)	28.4 (107.5)	34.7 (131.4)		
	1.375 (34.925)	4858 (335.0)	.0530 (.2006)	10.6 (40.1)	13.3 (50.3)	18.6 (70.4)	23.9 (90.5)	29.2 (110.5)		
	1.250 (31.750)	5000 (344.7)	.0438 (.1658)	8.8 (33.3)	11.0 (41.6)	15.3 (57.9)	19.7 (74.6)	24.1 (91.2)		
	HP (Kilowatts) required @ RPM**			33.4 (24.9)	41.8 (31.2)	58.5 (43.6)	75.2 (56.1)	92.0 (68.6)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

SC Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)		
SC-80	1.875 (47.625)	1912 (131.8)	.1345 (.5091)	26.9 (101.8)	40.3 (152.6)	53.8 (203.7)	67.2 (254.4)	80.7 (305.5)	Flows: 17 – 80 gpm (64.4 – 302.8 lpm) psi: 1912 – 2988 (bar: 131.8 – 206.0) Stroke Length: 2.25 in. (57.15 mm) Weight: 510 lbs. (231.3 kg)	Max. HP 100 (74.6 kW)
	1.750 (44.450)	2195 (151.3)	.1171 (.4433)	23.4 (88.6)	35.1 (132.9)	46.9 (177.5)	58.6 (221.8)	70.3 (266.1)		
	1.625 (41.275)	2550 (175.8)	.1010 (.3823)	20.2 (76.5)	30.3 (114.7)	40.4 (152.9)	50.5 (191.2)	60.6 (229.4)		
	1.500 (38.100)	2988 (206.0)	.0861 (.3259)	17.2 (65.1)	25.8 (97.7)	34.4 (130.2)	43.0 (162.8)	51.6 (195.3)		
	HP (Kilowatts) required @ RPM**				33.4 (24.9)	50.1 (37.4)	66.7 (49.7)	83.4 (62.2)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)		
SC-80H	1.375 (34.925)	3558 (245.3)	.0723 (.2737)	14.5 (54.9)	21.7 (82.1)	28.9 (109.4)	36.2 (137.0)	43.4 (164.3)	Flows: 7 – 43 gpm (26.5 – 162.8 lpm) psi: 3558 – 6500 (bar: 245.3 – 448.2) Stroke Length: 2.25 in. (57.15 mm) Weight: 510 lbs. (231.3 kg)	Max. HP 100 (74.6 kW)
	1.250 (31.750)	4306 (296.9)	.0598 (.2264)	12.0 (45.4)	17.9 (67.8)	23.9 (90.5)	29.9 (113.2)	35.9 (135.9)		
	1.125 (28.575)	5316 (366.5)	.0484 (.1832)	9.7 (36.7)	14.5 (54.9)	19.4 (73.4)	24.2 (91.6)	29.0 (109.8)		
	1.000 (25.400)	6500 (448.2)	.0383 (.1450)	7.7 (29.1)	11.5 (43.5)	15.3 (57.9)	19.1 (72.3)	23.0 (87.1)		
	HP (Kilowatts) required @ RPM**				33.4 (24.9)	50.1 (37.4)	66.8 (49.8)	83.4 (62.2)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)		
SC-95	2.500 (63.500)	1936 (133.5)	.1913 (.7241)	38.3 (150.0)	47.8 (181.0)	66.9 (253.2)	86.1 (325.9)	105.2 (398.2)	Flows: 21 – 105 gpm (79.5 – 397.5 lpm) psi: 1936 – 3441 (bar: 133.5 – 237.2) Stroke Length: 3.00 in. (76.20 mm) Weight: 920 lbs. (417.3 kg)	Max. HP 132 (98.4 kW)
	2.375 (60.325)	2145 (147.9)	.1726 (.6534)	34.5 (130.6)	43.2 (163.5)	60.4 (228.6)	77.7 (294.1)	94.9 (359.2)		
	2.250 (57.150)	2390 (164.8)	.1549 (.5864)	31.0 (117.3)	38.7 (146.5)	54.2 (205.2)	69.7 (263.8)	85.2 (322.5)		
	2.125 (53.975)	2680 (184.8)	.1382 (.5231)	27.6 (104.5)	34.5 (130.6)	48.4 (183.2)	62.2 (235.5)	76.0 (287.7)		
	2.000 (50.800)	3025 (208.6)	.1224 (.4633)	24.5 (92.7)	30.6 (115.8)	42.8 (162.0)	55.1 (208.6)	67.3 (254.8)		
	1.875 (47.625)	3443 (237.4)	.1076 (.4073)	21.5 (81.4)	26.9 (101.8)	37.7 (142.7)	48.4 (183.2)	59.2 (224.1)		
	HP (Kilowatts) required @ RPM**				48.0 (35.8)	60.0 (44.7)	84.0 (62.6)	108.1 (80.6)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)		
Piston Only → SC-115L	3.000 (76.200)	1020 (70.3)	.4208 (1.5929)	84.2 (318.7)	105.2 (398.2)	147.3 (557.6)	189.3 (716.6)	231.4 (876.0)	Flows: 47 – 231 gpm (177.9 – 874.4 lpm) psi: 1020 – 1815 (bar: 70.3 – 125.1) Stroke Length: 2.75 in. (69.85 mm) Weight: 1,520 lbs. (689.5 kg)	Max. HP 154 (114.8 kW)
	2.750 (69.850)	1215 (83.8)	.3535 (1.3381)	70.7 (267.6)	88.4 (334.6)	123.7 (468.3)	159.1 (602.3)	194.5 (736.3)		
	2.625 (66.675)	1333 (91.9)	.3221 (1.2193)	64.4 (243.8)	80.5 (304.7)	112.7 (426.7)	145.0 (548.9)	177.2 (670.8)		
	2.500 (63.500)	1470 (101.4)	.2922 (1.1061)	58.4 (221.1)	73.0 (276.3)	102.3 (387.2)	131.5 (497.8)	160.7 (608.3)		
	2.375 (60.325)	1629 (112.3)	.2637 (.9982)	52.7 (199.5)	65.9 (249.5)	92.3 (349.4)	118.7 (449.3)	145.0 (548.9)		
	2.250 (57.150)	1815 (125.1)	.2367 (.8960)	47.3 (179.0)	59.2 (224.1)	82.8 (313.4)	106.5 (403.1)	130.2 (492.9)		
	HP (Kilowatts) required @ RPM**				55.7 (41.5)	69.6 (51.9)	97.4 (72.6)	125.2 (93.4)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	500 RPM US gpm (lpm)	550 RPM US gpm (lpm)		
SC-115	2.250 (57.150)	1815 (125.1)	.2367 (.8960)	82.8 (313.4)	94.7 (358.5)	106.5 (403.1)	118.3 (447.8)	130.2 (492.9)	Flows: 50 – 130 gpm (189.3 – 492.1 lpm) psi: 1815 – 3000 (bar: 125.1 – 206.8) Stroke Length: 2.75 in. (69.85 mm) Weight: 1,240 lbs. (562.5 kg)	Max. HP 154 (114.8 kW)
	2.125 (53.975)	2035 (140.3)	.2111 (.7991)	73.9 (279.7)	84.4 (319.5)	95.0 (359.6)	105.6 (399.7)	116.1 (439.5)		
	2.000 (50.800)	2297 (158.4)	.1870 (.7079)	65.5 (247.9)	74.8 (283.1)	84.2 (318.7)	93.5 (353.9)	102.9 (389.5)		
	1.875 (47.625)	2613 (180.2)	.1644 (.6223)	57.5 (217.7)	65.7 (248.7)	74.0 (280.1)	82.2 (311.2)	90.4 (342.2)		
	1.750 (44.450)	3000 (206.8)	.1432 (.5421)	50.1 (189.6)	57.3 (216.9)	64.4 (243.8)	71.6 (271.0)	78.7 (298.0)		
HP (Kilowatts) required @ RPM**				97.5 (72.7)	111.4 (83.1)	125.4 (93.5)	139.3 (103.9)	154.0 (114.8)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)		
SC-115H	1.625 (41.275)	3479 (239.9)	.1234 (.4671)	24.7 (93.5)	37.0 (140.1)	49.4 (187.0)	61.7 (233.6)	67.9 (257.0)	Flows: 14 – 67 gpm (53.0 – 253.6 lpm) psi: 3479 – 5878 (bar: 239.9 – 405.3) Stroke Length: 2.75 in. (69.85 mm) Weight: 1,240 lbs. (562.5 kg)	Max. HP 154 (114.8 kW)
	1.500 (38.100)	4083 (281.5)	.1052 (.3982)	21.0 (79.5)	31.6 (119.6)	42.1 (159.4)	52.6 (199.1)	57.9 (219.2)		
	1.375 (34.925)	4858 (335.0)	.0884 (.3346)	17.7 (67.0)	26.5 (100.3)	35.4 (134.0)	44.2 (167.3)	48.6 (184.0)		
	1.250 (31.750)	5878 (405.3)	.0730 (.2763)	14.6 (55.3)	21.9 (82.9)	29.2 (110.5)	36.5 (138.2)	40.2 (152.2)		
	HP (Kilowatts) required @ RPM**				55.7 (41.5)	83.6 (62.3)	111.4 (83.1)	139.3 (103.9)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

SC Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
Piston Only →	SC-170L	4.000 (101.600)	1136 (78.3)	.6936 (2.6256)	173.4 (656.4)	208.1 (787.7)	242.8 (919.1)	277.0 (1048.6)	Flows: 105 – 312 gpm (397.5 – 1181.0 lpm) psi: 1136 – 1862 (bar: 78.3 – 128.4) Stroke Length: 4.25 in. (107.95 mm) Weight: 2,050 lbs. (929.9 kg)	Max. HP 230 (171.5 kW)
		3.500 (88.900)	1484 (102.3)	.5310 (2.0101)	132.8 (502.7)	159.3 (603.0)	185.9 (703.7)	212.4 (804.0)		
		3.375 (85.725)	1596 (110.0)	.4938 (1.8692)	123.4 (467.1)	148.1 (560.6)	172.8 (654.1)	197.5 (747.6)		
		3.250 (82.550)	1721 (118.7)	.4579 (1.7333)	114.5 (433.4)	137.4 (520.1)	160.3 (606.8)	183.2 (693.5)		
		3.125 (79.375)	1862 (128.4)	.4233 (1.6024)	105.8 (400.5)	127.0 (480.7)	148.2 (561.0)	169.3 (640.9)		
		HP (Kilowatts) required @ RPM**				127.7 (95.2)	153.3 (114.3)	178.8 (133.3)		
Piston Only →	SC-170	3.500 (88.900)	1484 (102.3)	.5310 (2.0101)	132.8 (502.7)	159.3 (603.0)	185.9 (703.7)	212.4 (804.0)	Flows: 67 – 239 gpm (253.6 – 904.7 lpm) psi: 1484 – 2909 (bar: 102.3 – 200.6) Stroke Length: 4.25 in. (107.95 mm) Weight: 1,850 lbs. (839.1 kg)	Max. HP 230 (171.5 kW)
		3.375 (85.725)	1596 (110.0)	.4938 (1.8692)	123.4 (467.1)	148.1 (560.6)	172.8 (654.1)	197.5 (747.6)		
		3.250 (82.550)	1721 (118.7)	.4579 (1.7333)	114.5 (433.4)	137.4 (520.1)	160.3 (606.8)	183.2 (693.5)		
		3.125 (79.375)	1862 (128.4)	.4233 (1.6024)	105.8 (400.5)	127.0 (480.7)	148.2 (561.0)	169.3 (640.9)		
		3.000 (76.200)	2020 (139.3)	.3902 (1.4771)	97.5 (369.1)	117.0 (442.9)	136.6 (517.1)	156.1 (590.9)		
		2.875 (73.025)	2199 (151.6)	.3583 (1.3563)	89.6 (339.2)	107.5 (406.9)	125.4 (474.7)	143.3 (542.4)		
		2.750 (69.850)	2404 (165.7)	.3278 (1.2409)	82.0 (310.4)	98.4 (372.5)	114.7 (434.2)	131.1 (496.3)		
		2.625 (66.675)	2638 (181.9)	.2987 (1.1307)	74.7 (282.8)	89.6 (339.2)	104.5 (395.6)	119.5 (452.4)		
		2.500 (63.500)	2909 (200.6)	.2709 (1.0255)	67.7 (256.3)	81.3 (307.8)	94.8 (358.9)	108.4 (410.3)		
		HP (Kilowatts) required @ RPM**				127.8 (95.3)	153.3 (114.3)	178.9 (133.4)		
Piston Only →	SC-170H	2.375 (60.325)	3223 (222.2)	.2445 (.9255)	61.1 (231.3)	73.4 (277.8)	85.6 (324.0)	97.8 (370.2)	Flows: 33 – 110 gpm (124.9 – 416.4 lpm) psi: 3223 – 5600 (bar: 222.2 – 386.1) Stroke Length: 4.25 in. (107.95 mm) Weight: 1,850 lbs. (839.1 kg)	Max. HP 230 (171.5 kW)
		2.250 (57.150)	3592 (247.7)	.2195 (.8309)	54.9 (207.8)	65.8 (249.1)	76.8 (290.7)	87.8 (332.4)		
		2.125 (53.975)	4027 (277.7)	.1958 (.7412)	48.9 (185.1)	58.7 (222.2)	68.5 (259.3)	78.3 (296.4)		
		2.000 (50.800)	4548 (313.6)	.1734 (.6564)	43.4 (164.3)	52.0 (196.8)	60.7 (229.8)	69.4 (262.7)		
		1.875 (47.625)	5172 (356.6)	.1524 (.5769)	38.1 (144.2)	45.7 (173.0)	53.3 (201.8)	61.0 (230.9)		
		1.750 (44.450)	5600 (386.1)	.1328 (.5027)	33.2 (125.7)	39.8 (150.7)	46.5 (176.0)	53.1 (201.0)		
		HP (Kilowatts) required @ RPM**				127.8 (95.3)	153.3 (114.3)	178.9 (133.4)		
Piston Only →	SC-170DD	4.500 (114.300)	900 (62.1)	.8778 (3.3223)	87.8 (332.4)	175.6 (664.7)	263.3 (996.7)	351.1 (1329.1)	Flows: 69 – 395 gpm (261.2 – 1495.2 lpm) psi: 900 – 1136 (bar: 62.1 – 78.3) Stroke Length: 4.25 in. (107.95 mm) Weight: 2,325 lbs. (1,054.6 kg)	Max. HP 230 (171.5 kW)
		4.250 (107.950)	1000 (68.9)	.7830 (2.9640)	78.3 (296.4)	156.6 (592.8)	234.9 (889.2)	313.2 (1185.6)		
		4.000 (101.600)	1136 (78.3)	.6936 (2.6256)	69.4 (262.7)	138.7 (525.0)	208.1 (787.7)	277.4 (1050.1)		
		HP (Kilowatts) required @ RPM**				51.2 (38.2)	102.5 (76.4)	153.7 (114.6)		
Piston Only →	SC-230	4.500 (114.300)	1152 (79.4)	.9295 (3.5185)	232.4 (879.7)	278.8 (1055.4)	325.3 (1231.4)	371.8 (1407.4)	Flows: 86 – 418 gpm (325.5 – 1582.3 lpm) psi: 1152 – 3084 (bar: 79.4 – 212.6) Stroke Length: 4.50 in. (114.30 mm) Weight: 2,680 lbs. (1,215.6 kg)	Max. HP 310 (231.2 kW)
		4.250 (107.950)	1291 (89.0)	.8291 (3.1385)	207.3 (784.7)	248.7 (941.4)	290.2 (1098.5)	331.6 (1255.2)		
		4.000 (101.600)	1458 (100.5)	.7344 (2.7800)	183.6 (695.0)	220.3 (833.9)	257.0 (972.9)	293.8 (1112.2)		
		3.875 (98.425)	1553 (107.1)	.6892 (2.6089)	172.3 (652.2)	206.8 (780.9)	241.2 (913.0)	275.7 (1043.6)		
		3.750 (95.250)	1659 (114.4)	.6455 (2.4435)	161.4 (611.0)	193.6 (732.9)	225.9 (855.1)	258.2 (977.4)		
		3.625 (92.075)	1775 (122.4)	.6032 (2.2834)	150.8 (570.8)	180.9 (684.8)	211.1 (799.1)	241.3 (913.4)		
		3.500 (88.900)	1904 (131.3)	.5623 (2.1285)	140.6 (532.2)	168.7 (638.6)	196.8 (745.0)	224.9 (851.3)		
		3.375 (85.725)	2048 (141.2)	.5228 (1.9790)	130.7 (494.8)	156.8 (593.6)	183.0 (692.7)	209.1 (791.5)		
		3.250 (82.550)	2208 (152.2)	.4848 (1.8352)	121.2 (458.8)	145.4 (550.4)	169.7 (642.4)	193.9 (734.0)		
		3.125 (79.375)	2388 (164.6)	.4482 (1.6966)	112.1 (424.3)	134.5 (509.1)	156.9 (593.9)	179.3 (678.7)		
		3.000 (76.200)	2591 (178.6)	.4131 (1.5638)	103.3 (391.0)	123.9 (469.0)	144.6 (547.4)	165.2 (625.4)		
		2.875 (73.025)	2821 (194.5)	.3794 (1.4362)	94.8 (358.9)	113.8 (430.8)	132.8 (502.7)	151.8 (574.6)		
		2.750 (69.850)	3084 (212.6)	.3471 (1.3139)	86.8 (328.6)	104.1 (394.1)	121.5 (459.9)	138.8 (525.4)		
		HP (Kilowatts) required @ RPM**				173.6 (129.5)	208.3 (155.3)	243.0 (181.2)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

SC Series Sizing Charts (Continued)



	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
SC-230H	2.500 (63.500)	3732 (257.3)	.2869 (1.0860)	71.7 (271.4)	86.1 (325.9)	100.4 (380.1)	114.8 (548.1)	129.1 (488.7)	Flows: 45 – 129 gpm (170.3 – 488.3 lpm) psi: 3732 – 5831 (bar: 257.3 – 402.0) Stroke Length: 4.50 in. (114.30 mm) Weight: 2,935 lbs. (1,331.3 kg)	Max. HP 310 (231.2 kW)
	2.375 (60.325)	4135 (285.1)	.2589 (.9800)	64.7 (244.9)	77.7 (294.1)	90.6 (343.0)	103.6 (392.2)	116.5 (441.0)		
	2.250 (57.150)	4607 (317.6)	.2324 (.8797)	58.1 (220.0)	69.7 (263.8)	81.3 (307.8)	92.9 (351.7)	104.6 (396.0)		
	2.125 (53.975)	5165 (356.1)	.2073 (.7847)	51.8 (196.1)	62.2 (235.5)	72.5 (274.4)	82.9 (313.8)	93.3 (353.2)		
	2.000 (50.800)	5831 (402.0)	.1836 (.6950)	45.9 (173.8)	55.1 (208.6)	64.3 (243.4)	73.4 (277.8)	82.6 (312.7)		
HP (Kilowatts) required @ RPM**				173.6 (129.5)	208.3 (155.3)	243.0 (181.2)	277.7 (207.1)	310.0 (231.2)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
SC-300	3.500 (88.900)	1550 (106.9)	.8851 (3.3505)	221.3 (837.7)	265.5 (1005.0)	309.8 (1172.7)	354.0 (1340.0)	398.3 (1507.7)	Flows: 101 – 398 gpm (382.3 – 1506.6 lpm) psi: 1550 – 3365 (bar: 106.9 – 232.0) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,600 lbs. (1,632.9 kg)	Max. HP 400 (298.3 kW)
	3.375 (85.725)	1666 (114.9)	.8230 (3.1154)	205.7 (778.7)	246.9 (934.6)	288.0 (1090.2)	329.2 (1246.2)	370.3 (1401.7)		
	3.250 (82.550)	1797 (123.9)	.7631 (2.8886)	190.8 (722.3)	228.9 (866.5)	267.1 (1011.1)	305.3 (1155.7)	343.4 (1299.9)		
	3.125 (79.375)	1944 (134.0)	.7056 (2.6710)	176.4 (667.7)	211.7 (801.4)	246.9 (934.6)	282.2 (1068.2)	317.5 (1201.9)		
	3.000 (76.200)	2109 (145.4)	.6503 (2.4617)	162.6 (615.5)	195.1 (738.5)	227.6 (861.6)	260.1 (984.6)	292.6 (1107.6)		
	2.875 (73.025)	2296 (158.3)	.5972 (2.2606)	149.3 (565.2)	179.2 (678.3)	209.0 (791.2)	238.9 (904.3)	268.7 (1017.1)		
	2.750 (69.850)	2510 (173.1)	.5464 (2.0683)	136.6 (517.1)	163.9 (620.4)	191.2 (723.8)	218.6 (827.5)	245.9 (930.8)		
	2.625 (66.675)	2755 (190.0)	.4978 (1.8844)	124.5 (471.3)	149.4 (565.5)	174.2 (659.4)	199.1 (753.7)	224.0 (847.9)		
	2.500 (63.500)	3037 (209.4)	.4516 (1.7095)	112.9 (427.4)	135.5 (512.9)	158.0 (598.1)	180.6 (683.6)	203.2 (769.2)		
	2.375 (60.325)	3365 (232.0)	.4075 (1.5426)	101.9 (385.7)	122.3 (463.0)	142.6 (539.8)	163.0 (617.0)	183.4 (694.2)		
HP (Kilowatts) required @ RPM**				222.4 (165.8)	266.9 (199.0)	311.4 (232.2)	355.9 (265.4)	400.0 (298.3)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)		
Piston or Plunger SC-300L	4.500 (114.300)	1055 (72.7)	1.4631 (5.5384)	292.6 (1107.6)	365.8 (1384.7)	438.9 (1661.4)	512.1 (1938.5)	585.2 (2215.2)	Flows: 189 – 585 gpm (715.4 – 2214.5 lpm) psi: 1055 – 1626 (bar: 72.7 – 112.1) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,900 lbs. (1,769.0 kg)	Max. HP 400 (298.3 kW)
	4.375 (111.125)	1116 (76.9)	1.3829 (5.2348)	276.6 (1047.0)	345.7 (1308.6)	414.9 (1570.6)	484.0 (1832.1)	553.2 (2094.1)		
	4.250 (107.950)	1181 (81.4)	1.3050 (4.9400)	261.0 (988.0)	326.3 (1235.2)	391.5 (1482.0)	456.8 (1729.2)	522.0 (1976.0)		
	4.125 (104.775)	1254 (86.5)	1.2294 (4.6538)	245.9 (930.8)	307.3 (1163.3)	368.8 (1396.1)	430.3 (1628.9)	491.8 (1861.7)		
	4.000 (101.600)	1334 (92.0)	1.1560 (4.3759)	231.2 (875.2)	289.0 (1094.0)	346.8 (1312.8)	404.6 (1531.6)	462.4 (1750.4)		
	3.875 (98.425)	1422 (98.0)	1.0849 (4.1068)	217.0 (821.4)	271.2 (1026.6)	325.5 (1232.2)	379.7 (1437.3)	434.0 (1642.9)		
	3.750 (95.250)	1518 (104.7)	1.0160 (3.8460)	203.2 (769.2)	254.0 (961.5)	304.8 (1153.8)	355.6 (1346.1)	406.4 (1538.4)		
	3.625 (92.075)	1626 (112.1)	.9494 (3.5939)	189.9 (718.8)	237.4 (898.7)	284.8 (1078.1)	332.3 (1258.0)	379.8 (1437.7)		
	HP (Kilowatts) required @ RPM**				200.2 (149.3)	250.2 (186.6)	300.3 (223.9)	350.3 (261.2)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
SC-300H	2.125 (53.975)	4203 (289.8)	.3263 (1.2352)	81.6 (308.9)	97.9 (370.6)	114.2 (432.3)	130.5 (494.0)	146.8 (555.7)	Flows: 45 – 129 gpm (170.3 – 488.3 lpm) psi: 4203 – 6198 (bar: 289.8 – 427.3) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,240 lbs. (1,469.6 kg)	Max. HP 400 (298.3 kW)
	2.000 (50.800)	4745 (327.2)	.2890 (1.0940)	72.3 (273.7)	86.7 (328.2)	101.2 (383.1)	115.6 (437.6)	130.1 (492.5)		
	1.875 (47.625)	5399 (372.2)	.2540 (.9615)	63.5 (240.4)	76.2 (288.4)	88.9 (336.5)	101.6 (384.6)	114.3 (432.7)		
	1.750 (44.450)	6198 (427.3)	.2213 (.8377)	55.3 (209.3)	66.4 (251.4)	77.4 (293.0)	88.5 (335.0)	99.6 (377.0)		
HP (Kilowatts) required @ RPM**				222.3 (165.8)	266.8 (199.0)	311.2 (232.1)	355.7 (265.2)	400.0 (298.3)		

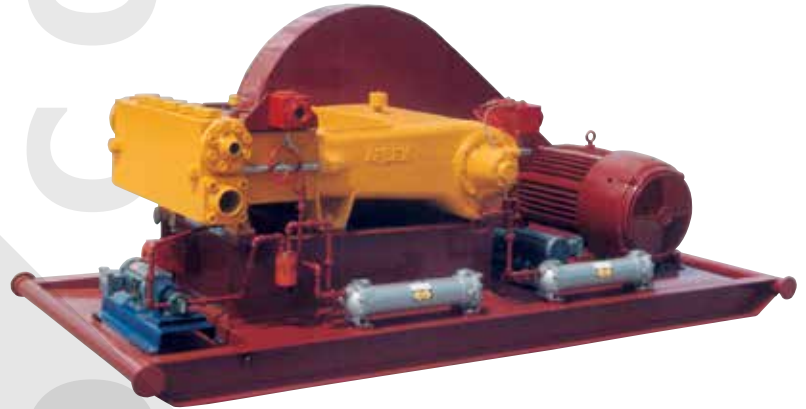
* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series

Built for heavy, continuous duty 24-hours per day, 365 days per year application. Designed to handle the toughest applications. Available in configurations to comply with the Hydraulic Institute standards as well as API674 Standards.

MA Series Features

- Flows up to 650 gpm (2461 lpm)
- Pressure ratings up to 5,000 psi (345 bar)
- Power ratings to 300 HP (224 kW)
- Temperatures to 400° F (204° C)
- Metallurgies available are Ductile Iron, Aluminum Bronze, Carbon Steels and a variety of Stainless Steel



MA Series Sizing Charts

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	650 RPM US gpm (lpm)		
MA-15M*	1.625 (41.275)	881 (60.7)	.0404 (.1529)	10.1 (38.2)	14.1 (53.4)	18.2 (68.9)	22.2 (84.0)	26.3 (99.6)	Flows: 2 – 26 gpm (7.6 – 98.4 lpm) psi: 881 – 3040 (bar: 60.7 – 209.6) Stroke Length: 1.50 in. (38.10 mm) Weight: 235 lbs. (106.6 kg)	Max. HP 15 (11.2 kW)
	1.500 (38.100)	1034 (71.3)	.0344 (.1302)	8.6 (32.6)	12.0 (45.4)	15.5 (58.7)	18.9 (71.5)	22.4 (84.8)		
	1.375 (34.925)	1231 (84.9)	.0289 (.1094)	7.2 (27.3)	10.1 (38.2)	13.0 (49.2)	15.9 (60.2)	18.8 (71.2)		
	1.250 (31.750)	1489 (102.7)	.0239 (.0905)	6.0 (22.7)	8.4 (31.8)	10.8 (40.9)	13.1 (49.6)	15.5 (58.7)		
	1.125 (28.575)	1839 (126.8)	.0194 (.0734)	4.8 (18.2)	6.8 (25.7)	8.7 (32.9)	10.7 (40.5)	12.6 (47.7)		
	1.000 (25.400)	2327 (160.4)	.0153 (.0579)	3.8 (14.4)	5.4 (20.4)	6.9 (26.1)	8.4 (31.8)	9.9 (37.5)		
	.875 (22.225)	3040 (209.6)	.0117 (.0443)	2.9 (11.0)	4.1 (15.5)	5.3 (20.1)	6.4 (24.2)	7.6 (28.8)		
HP (Kilowatts) required @ RPM**				5.8 (4.3)	8.1 (6.0)	10.4 (7.8)	12.7 (9.5)	15.0 (11.2)		
MA-15H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	650 RPM US gpm (lpm)	Flows: 2 – 5 gpm (7.6 – 18.9 lpm) psi: 5000 (bar: 344.7) Stroke Length: 1.50 in. (38.10 mm) Weight: 225 lbs. (102.1 kg)	Max. HP 18 (13.4 kW)
	.750 (19.050)	5000 (344.7)	.0086 (.0326)	2.2 (8.3)	3.0 (11.4)	3.9 (14.8)	4.7 (17.8)	5.6 (21.2)		
HP (Kilowatts) required @ RPM**				7.0 (5.2)	9.8 (7.3)	12.6 (9.4)	15.3 (11.4)	18.0 (13.4)		
MA-25L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 16 – 62 gpm (60.6 – 234.7 lpm) psi: 625 – 789 (bar: 43.1 – 54.4) Stroke Length: 2.00 in. (50.80 mm) Weight: 455 lbs. (206.4 kg)	Max. HP 25 (18.6 kW)
	2.250 (57.150)	625 (43.1)	.1033 (.3910)	20.7 (78.4)	31.0 (117.3)	41.3 (156.3)	51.6 (195.3)	62.0 (234.7)		
	2.125 (53.975)	700 (48.3)	.0921 (.3486)	18.4 (69.7)	27.6 (104.5)	36.8 (139.3)	46.1 (174.5)	55.3 (209.3)		
	2.000 (50.800)	789 (54.4)	.0816 (.3089)	16.3 (61.7)	24.5 (92.7)	32.6 (123.4)	40.8 (154.4)	49.0 (185.5)		
HP (Kilowatts) required @ RPM**				8.4 (6.3)	12.6 (9.4)	16.7 (12.5)	20.9 (15.6)	25.0 (18.6)		
MA-25M	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 4 – 43 gpm (15.1 – 162.8 lpm) psi: 896 – 3151 (bar: 61.8 – 217.3) Stroke Length: 2.00 in. (50.80 mm) Weight: 430 lbs. (195.0 kg)	Max. HP 25 (18.6 kW)
	1.875 (47.625)	896 (61.8)	.0717 (.2714)	14.3 (54.1)	21.5 (81.4)	28.7 (108.6)	35.9 (135.9)	43.0 (162.8)		
	1.750 (44.450)	1028 (70.9)	.0625 (.2366)	12.5 (47.3)	18.7 (70.8)	25.0 (94.6)	31.2 (118.1)	37.5 (142.0)		
	1.625 (41.275)	1193 (82.3)	.0539 (.2040)	10.8 (40.9)	16.2 (61.3)	21.5 (81.4)	26.9 (101.8)	32.3 (122.3)		
	1.500 (38.100)	1400 (96.5)	.0459 (.1738)	9.2 (34.8)	13.8 (52.2)	18.4 (69.7)	23.0 (87.1)	27.5 (104.1)		
	1.375 (34.925)	1666 (114.9)	.0386 (.1461)	7.7 (29.1)	11.6 (43.9)	15.4 (58.3)	19.3 (73.1)	23.1 (87.4)		
	1.250 (31.750)	2016 (139.0)	.0319 (.1208)	6.4 (24.2)	9.6 (36.3)	12.8 (48.5)	15.9 (60.2)	19.1 (72.3)		
	1.125 (28.575)	2490 (171.7)	.0258 (.0977)	5.2 (19.7)	7.7 (29.1)	10.3 (39.0)	12.9 (48.8)	15.5 (58.7)		
1.000 (25.400)	3151 (217.3)	.0204 (.0772)	4.1 (15.5)	6.1 (23.1)	8.2 (31.0)	10.2 (38.6)	12.2 (46.2)			
HP (Kilowatts) required @ RPM**				8.3 (6.2)	12.5 (9.3)	16.7 (12.5)	20.8 (15.5)	25.0 (18.6)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series Sizing Charts (Continued)

MA-25H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 2 – 9 gpm (7.6 – 34.1 lpm) psi: 4145 – 5000 (bar: 285.8 – 344.7) Stroke Length: 2.00 in. (50.80 mm) Weight: 455 lbs. (206.4 kg)	Max. HP 25 (18.6 kW)
	.875 (22.225)	4145 (285.8)	.0156 (.0591)	3.1 (11.7)	4.7 (17.8)	6.2 (23.5)	7.8 (29.5)	9.4 (35.6)		
	.750 (19.050)	5000 (344.7)	.0115 (.0435)	2.3 (8.7)	3.4 (12.9)	4.6 (17.4)	5.7 (21.6)	6.9 (26.1)		
HP (Kilowatts) required @ RPM**				8.3 (6.2)	12.6 (9.4)	16.8 (12.5)	21.0 (15.7)	25.0 (18.6)		

MA-40L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 25 – 106 gpm (94.6 – 401.3 lpm) psi: 580 – 867 (bar: 40.0 – 59.8) Stroke Length: 2.50 in. (63.50 mm) Weight: 810 lbs. (367.4 kg)	Max. HP 40 (29.8 kW)
	2.750 (69.850)	580 (40.0)	.1928 (.7298)	38.6 (146.1)	48.2 (182.5)	67.5 (255.5)	86.8 (328.6)	106.1 (401.6)		
	2.625 (66.675)	637 (43.9)	.1757 (.6651)	35.1 (132.9)	43.9 (166.2)	61.5 (232.8)	79.1 (299.4)	96.6 (365.7)		
	2.500 (63.500)	703 (48.5)	.1594 (.6034)	31.9 (120.4)	39.8 (150.7)	55.8 (211.2)	71.7 (271.4)	87.7 (332.0)		
	2.375 (60.325)	779 (53.7)	.1438 (.5443)	28.8 (109.0)	36.0 (136.3)	50.3 (190.4)	64.7 (244.9)	79.1 (299.4)		
	2.250 (57.150)	867 (59.8)	.1291 (.4887)	25.8 (97.7)	32.3 (122.3)	45.2 (171.1)	58.1 (219.9)	71.0 (268.8)		
HP (Kilowatts) required @ RPM**				14.5 (10.8)	18.1 (13.5)	25.4 (18.9)	32.6 (24.3)	40.0 (29.8)		

MA-40M	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 6 – 71 gpm (22.7 – 268.8 lpm) psi: 867 – 3468 (bar: 59.8 – 239.1) Stroke Length: 2.50 in. (63.50 mm) Weight: 750 lbs. (340.2 kg)	Max. HP 40 (29.8 kW)
	2.250 (57.150)	867 (59.8)	.1291 (.4887)	25.8 (97.7)	32.3 (122.3)	45.2 (171.1)	58.1 (219.9)	71.0 (268.8)		
	2.125 (53.975)	973 (67.1)	.1151 (.4357)	23.0 (87.1)	28.8 (109.0)	40.3 (152.3)	51.8 (196.1)	63.3 (239.6)		
	2.000 (50.800)	1098 (75.7)	.1020 (.3861)	20.4 (77.2)	25.5 (96.5)	35.7 (135.1)	45.9 (173.8)	56.1 (212.4)		
	1.875 (47.625)	1249 (86.1)	.0896 (.3392)	17.9 (67.8)	22.4 (84.8)	31.4 (118.9)	40.3 (152.6)	49.3 (186.6)		
	1.750 (44.450)	1433 (98.8)	.0781 (.2956)	15.6 (59.1)	19.5 (73.8)	27.3 (103.3)	35.1 (132.9)	43.0 (162.8)		
	1.625 (41.275)	1663 (114.7)	.0673 (.2548)	13.5 (51.1)	16.8 (63.6)	23.6 (89.3)	30.3 (114.7)	37.0 (140.1)		
	1.500 (38.100)	1951 (134.5)	.0574 (.2173)	11.5 (43.5)	14.3 (54.1)	20.1 (76.1)	25.8 (97.7)	31.6 (119.6)		
	1.375 (34.925)	2321 (160.0)	.0482 (.1825)	9.6 (36.3)	12.1 (45.8)	16.9 (64.0)	21.7 (82.1)	26.5 (100.3)		
	1.250 (31.750)	2809 (193.7)	.0398 (.1507)	8.0 (30.3)	10.0 (37.9)	13.9 (52.6)	17.9 (67.8)	21.9 (82.9)		
	1.125 (28.575)	3468 (239.1)	.0323 (.1223)	6.5 (24.6)	8.1 (30.7)	11.3 (42.8)	14.5 (54.9)	17.8 (67.4)		
HP (Kilowatts) required @ RPM**				14.5 (10.8)	18.1 (13.5)	25.4 (18.9)	32.7 (24.4)	40.0 (29.8)		

MA-40H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 3 – 14 gpm (11.4 – 53.0 lpm) psi: 4392 – 5000 (bar: 302.8 – 344.7) Stroke Length: 2.50 in. (63.50 mm) Weight: 845 lbs. (383.3 kg)	Max. HP 40 (29.8 kW)
	1.000 (25.400)	4392 (302.8)	.0255 (.0965)	5.1 (19.3)	6.4 (24.2)	8.9 (33.7)	11.5 (43.5)	14.0 (53.0)		
	.875 (22.225)	5000 (344.7)	.0195 (.0738)	3.9 (14.8)	4.9 (18.5)	6.8 (25.7)	8.8 (33.3)	10.7 (40.5)		
HP (Kilowatts) required @ RPM**				14.5 (10.8)	18.2 (13.6)	25.4 (18.9)	32.7 (24.4)	40.0 (29.8)		

MA-45M	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 7 – 80 gpm (26.5 – 302.8 lpm) psi: 860 – 3024 (bar: 59.3 – 208.5) Stroke Length: 2.25 in. (57.15 mm) Weight: 710 lbs. (322.1 kg)	Max. HP 45 (33.6 kW)
	1.875 (47.625)	860 (59.3)	.1345 (.5091)	26.9 (101.8)	40.3 (152.6)	53.8 (203.7)	67.2 (254.4)	80.7 (305.5)		
	1.750 (44.450)	988 (68.1)	.1171 (.4433)	23.4 (88.6)	35.1 (132.9)	46.9 (177.5)	58.6 (221.8)	70.3 (266.1)		
	1.625 (41.275)	1146 (79.0)	.1010 (.3823)	20.2 (76.5)	30.3 (114.7)	40.4 (152.9)	50.5 (191.2)	60.6 (229.4)		
	1.500 (38.100)	1344 (92.7)	.0861 (.3259)	17.2 (65.1)	25.8 (97.7)	34.4 (130.2)	43.0 (162.8)	51.6 (195.3)		
	1.375 (34.925)	1600 (110.3)	.0723 (.2737)	14.5 (54.9)	21.7 (82.1)	28.9 (109.4)	36.2 (137.0)	43.4 (164.3)		
	1.250 (31.750)	1936 (133.5)	.0598 (.2264)	12.0 (45.4)	17.9 (67.8)	23.9 (90.5)	29.9 (113.2)	35.9 (135.9)		
	1.125 (28.575)	2390 (164.8)	.0484 (.1832)	9.7 (36.7)	14.5 (54.9)	19.4 (73.4)	24.2 (91.6)	29.0 (109.8)		
	1.000 (25.400)	3024 (208.5)	.0383 (.1450)	7.7 (29.1)	11.5 (43.5)	15.3 (57.9)	19.1 (72.3)	23.0 (87.1)		
HP (Kilowatts) required @ RPM**				15.0 (11.2)	22.5 (16.8)	30.0 (22.4)	37.5 (28.0)	45.0 (33.6)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series Sizing Charts (Continued)

MA-45H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)	Flows: 4 – 23 gpm (15.1 – 87.1 lpm) psi: 3024 – 5000 (bar: 208.5 – 344.7) Stroke Length: 2.25 in. (57.15 mm) Weight: 720 lbs. (326.6 kg)	Max. HP 45 (33.6 kW)
	1.000 (25.400)	3024 (208.5)	.0383 (.1450)	7.6 (28.8)	11.5 (43.5)	15.3 (57.9)	19.1 (72.3)	23.0 (87.1)		
	.875 (22.225)	3950 (272.3)	.0293 (.1109)	5.9 (22.3)	8.8 (33.3)	11.7 (44.3)	14.6 (55.3)	17.6 (66.6)		
	.750 (19.050)	5000 (344.7)	.0215 (.0814)	4.3 (16.3)	6.5 (24.6)	8.6 (32.6)	10.8 (40.9)	12.9 (48.8)		
HP (Kilowatts) required @ RPM**				15.0 (11.2)	22.5 (16.8)	30.0 (22.4)	37.5 (28.0)	45.0 (33.6)		

MA-60M†	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	500 RPM US gpm (lpm)	Flows: 17 – 126 gpm (64.4 – 477.0 lpm) psi: 732 – 3200 (bar: 50.5 – 220.6) Stroke Length: 3.00 in. (76.20 mm) Weight: 945 lbs. (428.6 kg)	Max. HP 60 (44.7 kW)
	2.500 (63.500)	968 (66.7)	.1913 (.7241)	57.4 (217.3)	66.9 (253.2)	76.5 (289.6)	86.1 (325.9)	95.6 (361.9)		
	2.375 (60.325)	1073 (74.0)	.1726 (.6534)	51.8 (196.1)	60.4 (228.6)	69.0 (261.2)	77.7 (294.1)	86.3 (326.7)		
	2.250 (57.150)	1195 (82.4)	.1549 (.5864)	46.5 (176.0)	54.2 (205.2)	62.0 (234.7)	69.7 (263.8)	77.5 (293.4)		
	2.125 (53.975)	1340 (92.4)	.1382 (.5231)	41.5 (157.1)	48.4 (183.2)	55.3 (209.3)	62.2 (235.5)	69.1 (261.6)		
	2.000 (50.800)	1513 (104.3)	.1224 (.4633)	36.7 (138.9)	42.8 (162.0)	49.0 (185.5)	55.1 (208.6)	61.2 (231.7)		
	1.875 (47.625)	1721 (118.7)	.1076 (.4073)	32.3 (122.3)	37.7 (142.7)	43.0 (162.8)	48.4 (183.2)	53.8 (203.7)		
	1.750 (44.450)	1976 (136.2)	.0937 (.3547)	28.1 (106.4)	32.8 (124.2)	37.5 (142.0)	42.2 (159.7)	46.9 (177.5)		
	1.625 (41.275)	2291 (158.0)	.0808 (.3059)	24.2 (91.6)	28.3 (107.1)	32.3 (122.3)	36.4 (137.8)	40.4 (152.9)		
	1.500 (38.100)	2689 (185.4)	.0689 (.2608)	20.7 (78.4)	24.1 (91.2)	27.5 (104.1)	31.0 (117.3)	34.4 (130.2)		
1.375 (34.925)	3200 (220.6)	.0579 (.2192)	17.4 (65.9)	20.2 (76.5)	23.1 (87.4)	26.0 (98.4)	28.9 (109.4)			
HP (Kilowatts) required @ RPM**				36.0 (26.8)	42.0 (31.1)	48.0 (36.0)	54.0 (40.3)	60.0 (44.7)		

MA-60H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	100 RPM US gpm (lpm)	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	Flows: 3 – 28 gpm (11.4 – 106.0 lpm) psi: 3200 – 5000 (bar: 220.6 – 344.7) Stroke Length: 3.00 in. (76.20 mm) Weight: 945 lbs. (428.6 kg)	Max. HP 60 (44.7 kW)
	1.375 (34.925)	3200 (220.6)	.0579 (.2192)	5.8 (22.0)	11.6 (43.9)	17.4 (65.9)	23.2 (87.8)	28.9 (109.4)		
	1.250 (31.750)	3872 (267.0)	.0478 (.1809)	4.8 (18.2)	9.6 (36.3)	14.3 (54.1)	19.2 (72.7)	23.9 (90.5)		
	1.125 (28.575)	4780 (329.6)	.0387 (.1465)	3.9 (14.8)	7.7 (29.1)	11.6 (43.9)	15.5 (58.7)	19.4 (73.4)		
	1.000 (25.400)	5000 (344.7)	.0306 (.1158)	3.1 (11.7)	6.1 (23.1)	9.2 (34.8)	12.2 (46.2)	15.3 (57.9)		
HP (Kilowatts) required @ RPM**				12.0 (8.9)	24.0 (17.9)	36.0 (26.8)	48.0 (35.8)	60.0 (44.7)		

MA-75L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 47 – 194 gpm (177.9 – 734.4 lpm) psi: 595 – 889 (bar: 41.0 – 61.3) Stroke Length: 2.75 in. (69.85 mm) Weight: 1,435 lbs. (650.9 kg)	Max. HP 75 (55.9 kW)
	2.750 (69.850)	595 (41.2)	.3535 (1.3381)	70.7 (267.6)	88.4 (334.6)	123.7 (468.3)	159.1 (602.3)	194.5 (736.3)		
	2.625 (66.675)	653 (45.0)	.3221 (1.2193)	64.4 (243.8)	80.5 (304.7)	112.7 (426.6)	145.0 (548.9)	177.2 (670.8)		
	2.500 (63.500)	720 (49.6)	.2922 (1.1061)	58.4 (221.1)	73.0 (276.3)	102.3 (387.2)	131.5 (497.8)	160.7 (608.3)		
	2.375 (60.325)	798 (55.0)	.2637 (.9982)	52.7 (199.5)	65.9 (249.5)	92.3 (349.4)	118.7 (449.3)	145.0 (548.9)		
2.250 (57.150)	889 (61.3)	.2367 (.8960)	47.3 (179.0)	59.2 (224.1)	82.8 (313.4)	106.5 (403.1)	130.2 (492.9)			
HP (Kilowatts) required @ RPM**				27.3 (20.4)	34.1 (25.4)	47.7 (35.6)	61.4 (45.8)	75.0 (55.9)		

MA-75M	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 11 – 130 gpm (41.6 – 492.1 lpm) psi: 889 – 3000 (bar: 61.3 – 206.8) Stroke Length: 2.75 in. (69.85 mm) Weight: 1,270 lbs. (576.1 kg)	Max. HP 75 (55.9 kW)
	2.250 (57.150)	889 (61.3)	.2367 (.8960)	47.3 (179.0)	59.2 (224.1)	82.8 (313.4)	106.5 (403.1)	130.2 (492.9)		
	2.125 (53.975)	997 (68.7)	.2111 (.7991)	42.2 (159.7)	52.8 (199.9)	73.9 (279.7)	95.0 (359.6)	116.1 (439.5)		
	2.000 (50.800)	1125 (77.6)	.1870 (.7079)	37.4 (141.6)	46.8 (177.2)	65.5 (247.9)	84.2 (318.7)	102.9 (389.5)		
	1.875 (47.625)	1280 (88.3)	.1644 (.6223)	32.9 (124.5)	41.1 (155.6)	57.5 (217.7)	74.0 (280.1)	90.4 (342.2)		
	1.750 (44.450)	1468 (101.2)	.1432 (.5421)	28.6 (108.2)	35.8 (135.5)	50.1 (189.6)	64.4 (243.8)	78.7 (297.9)		
	1.625 (41.275)	1704 (117.5)	.1234 (.4671)	24.7 (93.5)	30.9 (117.0)	43.2 (163.5)	55.6 (210.5)	67.9 (257.0)		
	1.500 (38.100)	1998 (137.7)	.1052 (.3982)	21.0 (79.5)	26.3 (99.6)	36.8 (139.3)	47.3 (179.0)	57.9 (219.2)		
	1.375 (34.925)	2379 (164.0)	.0884 (.3346)	17.7 (67.0)	22.1 (83.7)	30.9 (117.0)	39.8 (150.7)	48.6 (184.0)		
	1.250 (31.750)	2878 (198.4)	.0730 (.2763)	14.6 (55.3)	18.3 (69.3)	25.6 (96.9)	32.9 (124.5)	40.2 (152.2)		
1.125 (28.575)	3000 (206.8)	.0592 (.2241)	11.8 (44.7)	14.8 (56.0)	20.7 (78.4)	26.6 (100.7)	32.5 (123.0)			
HP (Kilowatts) required @ RPM**				27.3 (20.4)	34.1 (25.4)	47.8 (35.6)	61.4 (45.8)	75.0 (55.9)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series Sizing Charts (Continued)

MA-75H	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	150 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	Flows: 11 – 32 gpm (41.6 – 121.1 lpm) psi: 3553 – 5000 (bar: 245.0 – 344.7) Stroke Length: 2.75 in. (69.85 mm) Weight: 1.325 lbs. (601.0 kg)	Max. HP 75 (55.9 kW)
	1.125 (28.575)	3553 (245.0)	.0592 (.2241)	8.9 (33.7)	14.8 (56.0)	20.7 (78.4)	26.6 (100.7)	32.5 (123.0)		
	1.000 (25.400)	4497 (310.1)	.0468 (.1772)	7.0 (26.5)	11.7 (44.3)	16.4 (62.1)	21.0 (79.5)	25.7 (97.3)		
	.875 (22.225)	5000 (344.7)	.0358 (.1355)	5.4 (20.4)	8.9 (33.7)	12.5 (47.3)	16.1 (60.9)	19.7 (74.6)		
HP (Kilowatts) required @ RPM**				20.4 (15.2)	34.1 (25.4)	47.7 (35.6)	61.3 (45.7)	75.0 (55.9)		

MA-95L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	Flows: 46 – 224 gpm (174.1 – 847.9 lpm) psi: 650 – 1764 (bar: 44.8 – 121.6) Stroke Length: 4.00 in. (101.60 mm) Weight: 1.725 lbs. (782.4 kg)	Max. HP 95 (70.8 kW)
	3.500 (88.900)	650 (44.8)	.4998 (1.8919)	125.0 (473.2)	149.9 (567.4)	174.9 (662.1)	199.9 (756.7)	224.9 (851.3)		
	3.250 (82.550)	754 (52.0)	.4310 (1.6315)	107.7 (407.7)	129.3 (489.5)	150.8 (570.8)	172.4 (652.6)	193.9 (734.0)		
	3.000 (76.200)	884 (60.9)	.3672 (1.3900)	91.8 (347.5)	110.2 (417.2)	128.5 (486.4)	146.9 (556.1)	165.2 (625.4)		
	2.750 (69.850)	1053 (72.6)	.3086 (1.1682)	77.1 (291.9)	92.6 (350.5)	108.0 (408.8)	123.4 (467.1)	138.8 (525.4)		
	2.625 (66.675)	1156 (79.7)	.2811 (1.0641)	70.3 (266.1)	84.3 (319.1)	98.4 (372.5)	112.5 (425.9)	126.5 (478.9)		
	2.500 (63.500)	1274 (87.8)	.2550 (.9653)	63.8 (241.5)	76.5 (289.6)	89.3 (338.0)	102.0 (386.1)	114.8 (434.6)		
	2.375 (60.325)	1411 (97.3)	.2301 (.8710)	57.5 (217.7)	69.0 (261.2)	80.5 (304.7)	92.1 (348.6)	103.6 (392.2)		
	2.250 (57.150)	1572 (108.4)	.2066 (.7821)	51.6 (195.3)	62.0 (234.7)	72.3 (273.7)	82.6 (312.7)	92.9 (351.7)		
	2.125 (53.975)	1764 (121.6)	.1842 (.6973)	46.1 (174.5)	55.3 (209.3)	64.5 (244.2)	73.7 (279.0)	82.9 (313.8)		
HP (Kilowatts) required @ RPM**				52.7 (39.3)	63.2 (47.1)	73.7 (55.0)	84.3 (62.9)	95.0 (70.8)		

MA-95M	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	Flows: 19 – 92 gpm (71.9 – 348.3 lpm) psi: 1572 – 3600 (bar: 108.4 – 248.2) Stroke Length: 4.00 in. (101.60 mm) Weight: 1.600 lbs. (725.7 kg)	Max. HP 95 (70.8 kW)
	2.250 (57.150)	1572 (108.4)	.2066 (.7821)	51.6 (195.3)	62.0 (234.7)	72.3 (273.7)	82.6 (312.7)	92.9 (351.7)		
	2.125 (53.975)	1763 (121.6)	.1842 (.6973)	46.1 (174.5)	55.3 (209.3)	64.5 (244.2)	73.7 (279.0)	82.9 (313.8)		
	2.000 (50.800)	1992 (137.3)	.1632 (.6178)	40.8 (154.4)	49.0 (185.5)	57.1 (216.1)	65.3 (247.2)	73.4 (277.8)		
	1.875 (47.625)	2265 (156.2)	.1434 (.5428)	35.9 (135.9)	43.0 (162.8)	50.2 (190.0)	57.4 (217.3)	65.5 (247.9)		
	1.750 (44.450)	2600 (179.3)	.1250 (.4732)	31.2 (118.1)	37.5 (142.0)	43.7 (165.4)	50.0 (189.3)	56.2 (212.7)		
	1.625 (41.275)	3016 (207.9)	.1077 (.4077)	26.9 (101.8)	32.3 (122.3)	37.7 (142.7)	43.1 (163.2)	48.5 (183.6)		
	1.500 (38.100)	3250 (224.1)	.0918 (.3475)	23.0 (87.1)	27.5 (104.1)	32.1 (121.5)	36.7 (138.9)	41.3 (156.3)		
	1.375 (34.925)	3600 (248.2)	.0771 (.2919)	19.3 (73.1)	23.1 (87.4)	27.0 (102.2)	30.9 (117.0)	34.7 (131.4)		
HP (Kilowatts) required @ RPM**				52.6 (39.2)	63.2 (47.1)	73.7 (55.0)	84.2 (62.8)	95.0 (70.8)		

MA-120L	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	Flows: 61 – 239 gpm (230.9 – 904.7 lpm) psi: 775 – 1682 (bar: 53.4 – 116.0) Stroke Length: 4.25 in. (107.95 mm) Weight: 2.050 lbs. (929.9 kg)	Max. HP 120 (89.5 kW)
	3.500 (88.900)	775 (53.4)	.5310 (2.0101)	132.8 (502.7)	159.3 (603.0)	185.9 (703.7)	212.4 (804.0)	239.0 (904.7)		
	3.375 (85.725)	833 (57.4)	.4938 (1.8692)	123.4 (467.1)	148.1 (560.6)	172.8 (654.1)	197.5 (747.6)	222.2 (841.1)		
	3.250 (82.550)	898 (61.9)	.4579 (1.7333)	114.5 (433.4)	137.4 (520.1)	160.3 (606.8)	183.2 (693.5)	206.0 (779.8)		
	3.125 (79.375)	971 (66.9)	.4233 (1.6024)	105.8 (400.5)	127.0 (480.7)	148.2 (561.0)	169.3 (640.9)	190.5 (721.1)		
	3.000 (76.200)	1054 (72.7)	.3902 (1.4771)	97.5 (369.1)	117.0 (442.9)	136.6 (517.1)	156.1 (590.9)	175.6 (664.7)		
	2.875 (73.025)	1148 (79.2)	.3583 (1.3563)	89.6 (339.2)	107.5 (406.9)	125.4 (474.7)	143.3 (542.4)	161.2 (610.2)		
	2.750 (69.850)	1254 (86.5)	.3278 (1.2409)	82.0 (310.4)	98.4 (372.5)	114.7 (434.2)	131.1 (496.3)	147.5 (558.3)		
	2.625 (66.675)	1377 (94.9)	.2987 (1.1307)	74.7 (282.8)	89.6 (339.2)	104.5 (395.6)	119.5 (452.4)	134.4 (508.8)		
	2.500 (63.500)	1518 (104.7)	.2709 (1.0255)	67.7 (256.3)	81.3 (307.8)	94.8 (358.9)	108.4 (410.3)	121.9 (461.4)		
2.375 (60.325)	1682 (116.0)	.2445 (.9255)	61.1 (231.3)	73.4 (277.8)	85.6 (324.0)	97.8 (370.2)	110.0 (416.4)			
HP (Kilowatts) required @ RPM**				66.7 (49.7)	80.1 (59.7)	93.4 (69.6)	106.8 (79.6)	120.0 (89.5)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-120M	2.250 (57.150)	1873 (129.1)	.2195 (.8309)	54.9 (207.8)	65.8 (249.1)	76.8 (290.7)	87.8 (332.4)	98.8 (374.0)	Flows: 24 – 98 gpm (90.8 – 371.0 lpm) psi: 1873 – 3600 (bar: 129.1 – 248.2) Stroke Length: 4.25 in. (107.95 mm) Weight: 1,950 lbs. (884.5 kg)	Max. HP 120 (89.5 kW)
	2.125 (53.975)	2100 (144.8)	.1958 (.7412)	48.9 (185.1)	58.7 (222.2)	68.5 (259.3)	78.3 (296.4)	88.1 (333.5)		
	2.000 (50.800)	2371 (163.5)	.1734 (.6564)	43.4 (164.3)	52.0 (196.8)	60.7 (229.8)	69.4 (262.7)	78.0 (295.3)		
	1.875 (47.625)	2697 (186.0)	.1524 (.5769)	38.1 (144.2)	45.7 (173.0)	53.3 (201.8)	61.0 (230.9)	68.6 (259.7)		
	1.750 (44.450)	3097 (213.5)	.1328 (.5027)	33.2 (125.7)	39.8 (150.7)	46.5 (176.0)	53.1 (201.0)	59.7 (226.0)		
	1.625 (41.275)	3250 (224.1)	.1145 (.4334)	28.6 (108.3)	34.3 (129.8)	40.1 (151.8)	45.8 (173.4)	51.5 (194.9)		
	1.500 (38.100)	3600 (248.2)	.0975 (.3691)	24.4 (92.4)	29.3 (110.9)	34.1 (129.1)	39.0 (147.6)	43.9 (166.2)		
HP (Kilowatts) required @ RPM**				66.6 (49.7)	80.0 (59.7)	93.3 (69.6)	106.6 (79.5)	120.0 (89.5)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-120H	2.000 (50.800)	2284 (157.5)	.1734 (.6564)	43.4 (164.3)	52.0 (196.8)	60.7 (229.8)	69.4 (262.7)	78.0 (295.3)	Flows: 20 – 78 gpm (75.7 – 295.3 lpm) psi: 2284 – 5016 (bar: 157.5 – 345.8) Stroke Length: 4.25 in. (107.95 mm) Weight: 2,050 lbs. (929.9 kg)	Max. HP 120 (89.5 kW)
	1.875 (47.625)	2397 (165.3)	.1524 (.5769)	38.1 (144.2)	45.7 (173.0)	53.3 (201.8)	61.0 (230.9)	68.6 (259.7)		
	1.750 (44.450)	3097 (213.5)	.1328 (.5027)	33.2 (125.7)	39.8 (150.7)	46.5 (176.0)	53.1 (201.0)	59.7 (226.0)		
	1.625 (41.275)	3592 (247.7)	.1145 (.4334)	28.6 (108.3)	34.3 (129.8)	40.1 (151.8)	45.8 (173.4)	51.5 (194.9)		
	1.500 (38.100)	4215 (290.6)	.0975 (.3691)	24.4 (92.4)	29.3 (110.9)	34.1 (129.1)	39.0 (147.6)	43.9 (166.2)		
	1.375 (34.925)	5016 (345.8)	.0820 (.3104)	20.5 (77.6)	24.6 (93.1)	28.7 (108.6)	32.8 (124.2)	36.9 (139.7)		
	HP (Kilowatts) required @ RPM**				64.2 (47.9)	77.1 (57.5)	89.9 (67.0)	102.7 (76.6)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-155L	4.000 (101.600)	724 (49.9)	.7344 (2.7800)	183.6 (695.0)	220.3 (833.9)	257.0 (972.9)	293.8 (1112.2)	330.5 (1251.1)	Flows: 94 – 330 gpm (355.8 – 1249.2 lpm) psi: 724 – 1400 (bar: 49.9 – 96.5) Stroke Length: 4.50 in. (114.30 mm) Weight: 2,680 lbs. (1,215.6 kg)	Max. HP 155 (115.6 kW)
	3.875 (98.425)	771 (53.2)	.6892 (2.6089)	172.3 (652.2)	206.8 (782.8)	241.2 (913.0)	275.7 (1043.6)	310.1 (1173.9)		
	3.750 (95.250)	823 (56.7)	.6455 (2.4435)	161.4 (611.0)	193.6 (732.9)	225.9 (855.1)	258.2 (977.4)	290.5 (1099.7)		
	3.625 (92.075)	881 (60.7)	.6032 (2.2834)	150.8 (570.8)	180.9 (684.8)	211.1 (799.1)	241.3 (913.4)	271.4 (1027.4)		
	3.500 (88.900)	945 (65.2)	.5623 (2.1285)	140.6 (532.2)	168.7 (638.6)	196.8 (745.0)	224.9 (851.3)	253.0 (957.7)		
	3.375 (85.725)	1016 (70.1)	.5228 (1.9790)	130.7 (494.8)	156.8 (593.6)	183.0 (692.7)	209.1 (791.5)	235.3 (890.7)		
	3.250 (82.550)	1096 (75.6)	.4848 (1.8352)	121.2 (458.8)	145.4 (550.4)	169.7 (642.4)	193.9 (734.0)	218.2 (826.0)		
	3.125 (79.375)	1185 (81.7)	.4482 (1.6966)	112.1 (424.3)	134.5 (509.1)	156.9 (593.9)	179.3 (678.7)	201.7 (763.5)		
	3.000 (76.200)	1285 (88.6)	.4131 (1.5638)	103.3 (391.0)	123.9 (469.0)	144.6 (547.4)	165.2 (625.4)	185.9 (703.7)		
	2.875 (73.025)	1400 (96.5)	.3794 (1.4362)	94.8 (358.9)	113.8 (430.8)	132.8 (502.7)	151.8 (576.6)	170.7 (646.2)		
HP (Kilowatts) required @ RPM**				86.2 (64.3)	103.4 (77.1)	120.7 (90.0)	137.9 (102.8)	155.0 (115.6)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-155M	2.750 (69.850)	1530 (105.5)	.3471 (1.3139)	86.8 (328.6)	104.1 (394.1)	121.5 (459.9)	138.8 (525.4)	156.2 (591.3)	Flows: 35 – 156 gpm (132.5 – 590.5 lpm) psi: 1530 – 3600 (bar: 105.5 – 248.2) Stroke Length: 4.50 in. (114.30 mm) Weight: 2,680 lbs. (1,215.6 kg)	Max. HP 155 (115.6 kW)
	2.625 (66.675)	1679 (115.8)	.3163 (1.1973)	79.1 (299.4)	94.9 (359.2)	110.7 (419.0)	126.5 (479.0)	142.3 (538.7)		
	2.500 (63.500)	1852 (127.7)	.2869 (1.0860)	71.7 (271.4)	86.1 (325.9)	100.4 (380.1)	114.8 (434.6)	129.1 (488.7)		
	2.375 (60.325)	2051 (141.4)	.2589 (.9800)	64.7 (244.9)	77.7 (294.1)	90.6 (343.0)	103.6 (392.2)	116.5 (441.0)		
	2.250 (57.150)	2286 (157.6)	.2324 (.8797)	58.1 (219.9)	69.7 (263.8)	81.3 (308.0)	92.9 (351.7)	104.6 (396.0)		
	2.125 (53.975)	2562 (176.6)	.2073 (.7847)	51.8 (196.1)	62.2 (235.5)	72.5 (274.4)	82.9 (313.8)	93.3 (353.2)		
	2.000 (50.800)	2892 (199.4)	.1836 (.6950)	45.9 (173.8)	55.1 (208.6)	64.3 (243.4)	73.4 (277.8)	82.6 (312.7)		
	1.875 (47.625)	3291 (226.9)	.1614 (.6111)	40.3 (152.6)	48.4 (183.2)	56.5 (214.0)	64.5 (244.2)	72.6 (274.8)		
	1.750 (44.450)	3600 (248.2)	.1406 (.5322)	35.1 (132.9)	42.2 (159.7)	49.2 (186.2)	56.2 (212.7)	63.3 (239.6)		
HP (Kilowatts) required @ RPM**				86.1 (64.2)	103.3 (77.0)	120.5 (89.9)	137.8 (102.8)	155.0 (115.6)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-155H	1.875 (47.625)	3289 (226.8)	.1614 (.6111)	40.3 (152.6)	48.4 (183.2)	56.5 (213.9)	64.5 (244.2)	72.6 (274.8)	Flows: 25 – 72 gpm (94.6 – 272.5 lpm) psi: 3289 – 5000 (bar: 226.8 – 344.7) Stroke Length: 4.50 in. (114.30 mm) Weight: 2,935 lbs. (1,331.3 kg)	Max. HP 155 (115.6 kW)
	1.750 (44.450)	3776 (260.3)	.1406 (.5322)	35.1 (132.9)	42.2 (159.7)	49.2 (186.2)	56.2 (212.7)	63.3 (239.6)		
	1.625 (41.275)	4379 (301.9)	.1212 (.4588)	30.3 (114.7)	36.4 (137.8)	42.4 (160.5)	48.5 (183.6)	54.5 (206.3)		
	1.500 (38.100)	5000 (344.7)	.1033 (.3910)	25.8 (97.7)	103.3 (117.3)	36.1 (136.7)	41.3 (156.3)	46.5 (176.0)		
	HP (Kilowatts) required @ RPM**				86.0 (64.1)	103.3 (77.0)	120.5 (89.9)	137.7 (102.7)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-240K	4.500 (114.300)	562 (38.7)	1.4631 (5.5384)	365.8 (1384.7)	438.9 (1661.4)	512.1 (1938.5)	585.2 (2215.2)	658.4 (2492.3)	Flows: 221 – 658 gpm (836.6 – 2490.8 lpm) psi: 562 – 929 (bar: 38.7 – 64.1) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,240 lbs. (1,469.6 kg)	Max. HP 240 (179.0 kW)
	4.375 (111.125)	595 (41.0)	1.3829 (5.2348)	345.7 (1308.6)	414.9 (1570.6)	484.0 (1832.1)	553.2 (2094.1)	622.3 (2355.7)		
	4.250 (107.950)	629 (43.4)	1.3050 (4.9400)	326.3 (1235.2)	391.5 (1482.0)	456.8 (1729.2)	522.0 (1976.0)	587.3 (2223.2)		
	4.125 (104.775)	669 (46.1)	1.2294 (4.6538)	307.3 (1163.3)	368.8 (1396.1)	430.3 (1628.9)	491.8 (1861.7)	553.3 (2094.5)		
	4.000 (101.600)	711 (49.0)	1.1560 (4.3759)	289.0 (1094.0)	346.8 (1312.8)	404.6 (1531.6)	462.4 (1750.4)	520.2 (1969.2)		
	3.875 (98.425)	758 (52.3)	1.0849 (4.1068)	271.2 (1026.6)	325.5 (1232.2)	379.7 (1437.3)	434.0 (1642.9)	488.2 (1848.0)		
	3.750 (95.250)	809 (55.8)	1.0160 (3.8460)	254.0 (961.5)	304.8 (1153.8)	355.6 (1346.1)	406.4 (1538.4)	457.2 (1730.7)		
	3.625 (92.075)	866 (59.7)	.9494 (3.5939)	237.4 (898.7)	284.8 (1078.1)	332.3 (1257.9)	379.8 (1437.7)	427.2 (1617.1)		
	3.500 (88.900)	929 (64.1)	.8851 (3.3505)	221.3 (837.7)	265.5 (1005.0)	309.8 (1172.7)	354.0 (1340.0)	398.3 (1507.7)		
	HP (Kilowatts) required @ RPM**				133.3 (99.4)	160.0 (119.3)	186.6 (139.1)	213.3 (159.1)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-240L	3.500 (88.900)	930 (64.1)	.8851 (3.3505)	221.3 (837.7)	265.5 (1005.0)	309.8 (1172.7)	354.0 (1340.0)	398.3 (1507.7)	Flows: 101 – 398 gpm (382.3 – 1506.6 lpm) psi: 930 – 2020 (bar: 64.1 – 139.3) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,240 lbs. (1,469.6 kg)	Max. HP 240 (179.0 kW)
	3.375 (85.725)	1000 (68.9)	.8230 (3.1154)	205.7 (778.7)	246.9 (934.6)	288.0 (1090.2)	329.2 (1246.2)	370.3 (1401.7)		
	3.250 (82.550)	1079 (74.4)	.7631 (2.8886)	190.8 (722.3)	228.9 (866.5)	267.1 (1011.1)	305.3 (1155.7)	343.4 (1299.9)		
	3.125 (79.375)	1166 (80.4)	.7056 (2.6710)	176.4 (667.7)	211.7 (801.4)	246.9 (934.6)	282.2 (1068.2)	317.5 (1201.9)		
	3.000 (76.200)	1266 (87.3)	.6503 (2.4617)	162.6 (615.5)	195.1 (738.5)	227.6 (861.6)	260.1 (984.6)	292.6 (1107.6)		
	2.875 (73.025)	1376 (94.9)	.5972 (2.2606)	149.3 (565.2)	179.2 (678.3)	209.0 (791.2)	238.9 (904.3)	268.7 (1017.1)		
	2.750 (69.850)	1506 (103.8)	.5464 (2.0683)	136.6 (517.1)	163.9 (620.4)	191.2 (723.8)	218.6 (827.5)	245.9 (930.8)		
	2.625 (66.675)	1652 (113.9)	.4978 (1.8844)	124.5 (471.3)	149.4 (565.5)	174.2 (659.4)	199.1 (753.7)	224.0 (847.9)		
	2.500 (63.500)	1823 (125.7)	.4516 (1.7095)	112.9 (427.4)	135.5 (512.9)	158.0 (598.1)	180.6 (683.6)	203.2 (769.2)		
	2.375 (60.325)	2020 (139.3)	.4075 (1.5426)	101.9 (385.7)	122.3 (463.0)	142.6 (539.8)	163.0 (617.0)	183.4 (694.2)		
HP (Kilowatts) required @ RPM**				133.4 (99.5)	160.1 (119.4)	186.8 (139.3)	213.5 (159.2)	240.0 (179.0)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-240M	2.250 (57.150)	2248 (155.0)	.3658 (1.3847)	91.4 (346.0)	109.7 (415.3)	128.0 (484.5)	146.3 (553.8)	164.6 (623.1)	Flows: 2248 – 3600 gpm (208.2 – 620.8 lpm) psi: 2248 – 3600 (bar: 155.0 – 248.2) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,580 lbs. (1,623.9 kg)	Max. HP 240 (179.0 kW)
	2.125 (53.975)	2520 (173.7)	.3263 (1.2352)	81.6 (308.9)	97.9 (370.6)	114.2 (432.3)	130.5 (494.0)	146.8 (555.7)		
	2.000 (50.800)	2845 (196.2)	.2890 (1.0940)	72.3 (273.7)	86.7 (328.2)	101.2 (383.1)	115.6 (437.6)	130.1 (492.5)		
	1.875 (47.625)	3237 (223.2)	.2540 (.9615)	63.5 (240.4)	76.2 (288.4)	88.9 (336.5)	101.6 (384.6)	114.3 (432.7)		
	1.750 (44.450)	3600 (248.2)	.2213 (.8377)	55.3 (209.3)	66.4 (251.4)	77.4 (293.0)	88.5 (335.0)	99.6 (377.0)		
	HP (Kilowatts) required @ RPM**				133.3 (99.4)	160.0 (119.3)	186.6 (139.1)	213.3 (159.1)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
MA-240H	1.875 (47.625)	3237 (223.2)	.2540 (.9615)	63.5 (240.4)	76.2 (288.4)	88.9 (336.5)	101.6 (384.6)	114.3 (432.7)	Flows: 40 – 114 gpm (151.4 – 431.5 lpm) psi: 3237 – 5000 (bar: 223.2 – 344.7) Stroke Length: 4.25 in. (107.95 mm) Weight: 3,240 lbs. (1,469.6 kg)	Max. HP 240 (179.0 kW)
	1.750 (44.450)	3716 (256.2)	.2213 (.8377)	55.3 (209.3)	66.4 (251.4)	77.4 (293.0)	88.5 (335.0)	99.6 (377.0)		
	1.625 (41.275)	4309 (297.1)	.1908 (.7223)	47.7 (180.6)	57.2 (216.5)	66.8 (252.9)	76.3 (288.8)	85.9 (325.2)		
	1.500 (38.100)	5000 (344.7)	.1626 (.6155)	40.6 (153.7)	48.8 (184.7)	56.9 (215.4)	65.0 (246.1)	73.2 (277.1)		
	HP (Kilowatts) required @ RPM**				133.3 (99.4)	160.0 (119.3)	186.6 (139.1)	213.3 (159.1)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

MA Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)		
MA-300L [†]	4.000 (101.600)	851 (58.7)	1.3600 (5.1482)	272.0 (1029.6)	340.0 (1287.0)	408.0 (1544.4)	476.0 (1801.9)	544.0 (2059.3)	Flows: 153 – 476 gpm (579.2 – 1801.9 lpm) psi: 851 – 1480 (bar: 58.7 – 102.0) Stroke Length: 5.00 in. (127.00 mm) Weight: 5,000 lbs. (2,226.8 kg)	Max. HP 300 (223.7 kW)
	3.875 (98.425)	907 (62.5)	1.2763 (4.8313)	255.3 (966.4)	319.1 (1207.9)	382.9 (1449.4)	446.7 (1691.0)	510.5 (1932.5)		
	3.750 (95.250)	969 (66.8)	1.1953 (4.5247)	239.1 (905.1)	298.8 (1131.1)	358.6 (1357.4)	418.4 (1583.8)	478.1 (1809.8)		
	3.625 (92.075)	1037 (71.5)	1.1170 (4.2283)	223.4 (845.7)	279.2 (1056.9)	335.1 (1268.5)	390.9 (1479.7)	446.8 (1691.3)		
	3.500 (88.900)	1112 (76.7)	1.0413 (3.9417)	208.3 (788.5)	260.3 (985.3)	312.4 (1182.6)	364.4 (1379.4)	416.5 (1576.6)		
	3.375 (85.725)	1196 (82.5)	.9682 (3.6650)	193.6 (732.9)	242.1 (916.4)	290.5 (1099.7)	338.9 (1282.9)	387.3 (1466.1)		
	3.250 (82.550)	1290 (88.9)	.8978 (3.3985)	179.6 (679.9)	224.5 (849.8)	269.3 (1019.4)	314.2 (1189.4)	359.1 (1359.3)		
	3.125 (79.375)	1395 (96.2)	.8301 (3.1423)	166.0 (628.4)	207.5 (785.5)	249.0 (942.6)	290.5 (1099.7)	332.0 (1256.8)		
	3.000 (76.200)	1480 (102.0)	.7650 (2.8958)	153.0 (579.2)	191.3 (724.1)	229.5 (868.8)	267.8 (1013.7)	306.0 (1158.3)		
HP (Kilowatts) required @ RPM**				150.0 (111.9)	188.0 (140.2)	225.0 (167.8)	263.0 (196.1)	300.0 (223.7)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)		
MA-300M [†]	2.875 (73.025)	1648 (113.6)	.7026 (2.6596)	140.5 (531.9)	175.6 (664.7)	210.8 (798.0)	245.9 (930.8)	281.0 (1063.7)	Flows: 53 – 281 gpm (200.6 – 1063.7 lpm) psi: 1648 – 3600 (bar: 113.6 – 248.2) Stroke Length: 5.00 in. (127.00 mm) Weight: 4,925 lbs. (2,233.9 kg)	Max. HP 300 (223.7 kW)
	2.750 (69.850)	1801 (124.2)	.6428 (2.4333)	128.6 (486.8)	160.7 (608.3)	192.8 (729.8)	225.0 (851.7)	257.1 (973.2)		
	2.625 (66.675)	1977 (136.3)	.5857 (2.2171)	117.1 (443.3)	146.4 (554.2)	175.7 (665.1)	205.0 (776.0)	234.3 (886.9)		
	2.500 (63.500)	2180 (150.3)	.5313 (2.0112)	106.3 (402.4)	132.8 (502.7)	159.4 (603.4)	185.9 (703.7)	212.5 (804.4)		
	2.375 (60.325)	2415 (166.5)	.4795 (1.8151)	95.9 (363.0)	119.9 (453.9)	143.8 (544.3)	167.8 (635.2)	191.8 (726.0)		
	2.250 (57.150)	2691 (185.5)	.4303 (1.6289)	86.1 (325.9)	107.6 (407.3)	129.1 (488.7)	150.6 (570.1)	172.1 (651.5)		
	2.125 (53.975)	3017 (208.0)	.3838 (1.4528)	76.8 (290.7)	96.0 (363.4)	115.1 (435.7)	134.3 (508.4)	153.5 (581.1)		
	2.000 (50.800)	3406 (234.8)	.3400 (1.2870)	68.0 (257.4)	85.0 (321.8)	102.0 (386.1)	119.0 (450.5)	136.0 (514.8)		
	1.875 (47.625)	3600 (248.2)	.2988 (1.1311)	59.8 (226.4)	74.7 (282.8)	89.6 (339.2)	104.6 (396.0)	119.5 (452.4)		
	1.750 (44.450)	3600 (248.2)	.2603 (.9853)	52.1 (197.2)	65.1 (246.4)	78.1 (295.6)	91.1 (344.9)	104.1 (394.1)		
HP (Kilowatts) required @ RPM**				150.0 (111.9)	188.0 (140.2)	225.0 (167.8)	263.0 (196.1)	300.0 (223.7)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

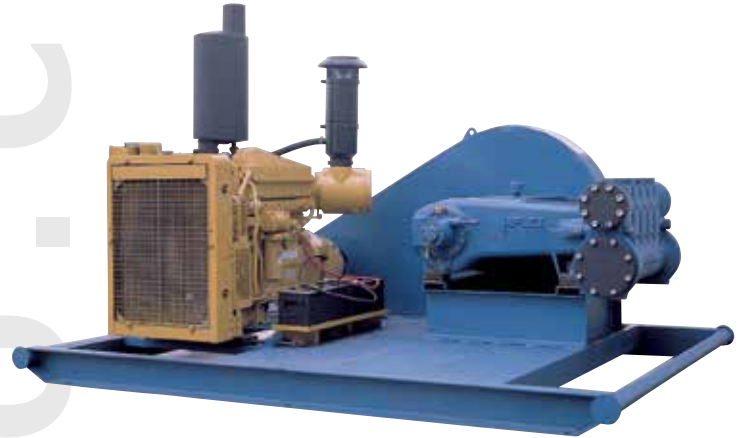
DUPAG

RO Series

This pump is designed specifically for the demanding continuous duty water treatment industry, in particular, for desalinization. Each pump is carefully selected to handle the corrosive liquids with particular concern given to both corrosion resistance and ease of field maintenance. This line of pumps also follows the Hydraulic Institute Standards and can fully comply to API 674 if needed.

RO Series Features

- Flows up to 658 gpm (2490.8 lpm)
- Pressure ratings up to 2,698 psi (186.0 bar)
- Power ratings to 260 HP (193.9 kw)
- Metallurgies available: Aluminum Bronze, 316 Stainless Steel, and 2205 Stainless Steel
- Temperatures to 400° F (204° C)
- Metallurgies available are Ductile Iron, Aluminum Bronze, Carbon Steels and a variety of Stainless Steel



Ro Series Sizing Charts

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)	650 RPM US gpm (lpm)		
RO-23	1.625 (41.275)	1174 (80.9)	.0404 (.1529)	10.1 (38.2)	14.1 (53.4)	18.2 (68.9)	22.2 (84.0)	26.3 (99.6)	Flows: 4 – 26 gpm (15.1 – 98.4 lpm) psi: 1174 – 2450 (bar: 80.9 – 168.9) Stroke Length: 1.50 in. (38.10 mm) Weight: 235 lbs. (106.6 kg)	Max. HP 20 (14.9 kW)
	1.500 (38.100)	1378 (95.0)	.0344 (.1302)	8.6 (32.6)	12.0 (45.4)	15.5 (58.7)	18.9 (71.5)	22.4 (84.8)		
	1.375 (34.925)	1640 (113.1)	.0289 (.1094)	7.2 (27.3)	10.1 (38.2)	13.0 (49.2)	15.9 (60.2)	18.8 (71.2)		
	1.250 (31.750)	1984 (136.8)	.0239 (.0905)	6.0 (22.7)	8.4 (31.8)	10.8 (40.9)	13.1 (49.6)	15.5 (58.7)		
	1.125 (28.575)	2450 (168.9)	.0194 (.0734)	4.8 (18.2)	6.8 (25.7)	8.7 (32.9)	10.7 (40.5)	12.6 (47.7)		
	HP (Kilowatts) required @ RPM**				7.7 (5.7)	10.8 (8.1)	13.8 (10.3)	16.9 (12.6)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)		
RO-38	1.875 (47.625)	1075 (74.1)	.0717 (.2714)	14.3 (54.1)	21.5 (81.4)	28.7 (108.6)	35.9 (135.9)	43.0 (162.8)	Flows: 6 – 43 gpm (22.7 – 162.8 lpm) psi: 1075 – 2419 (bar: 74.1 – 166.8) Stroke Length: 2.00 in. (50.80 mm) Weight: 430 lbs. (195.0 kg)	Max. HP 30 (22.4 kW)
	1.750 (44.450)	1234 (86.1)	.0625 (.2366)	12.5 (47.3)	18.7 (70.8)	25.0 (94.6)	31.2 (118.1)	37.5 (142.0)		
	1.625 (41.275)	1431 (98.7)	.0539 (.2040)	10.8 (40.9)	16.2 (61.3)	21.5 (81.4)	26.9 (101.8)	32.3 (122.3)		
	1.500 (38.100)	1680 (115.8)	.0459 (.1738)	9.2 (34.8)	13.8 (52.2)	18.4 (69.7)	23.0 (87.1)	27.5 (104.1)		
	1.375 (34.925)	1999 (137.8)	.0386 (.1461)	7.7 (29.1)	11.6 (43.9)	15.4 (58.3)	19.3 (73.1)	23.1 (23.1)		
	1.250 (31.750)	2419 (166.8)	.0319 (.1208)	6.4 (24.2)	9.6 (36.3)	12.8 (48.5)	15.9 (60.2)	19.1 (72.3)		
HP (Kilowatts) required @ RPM**				10.0 (7.5)	15.0 (11.2)	20.0 (14.9)	25.0 (18.6)	30.0 (22.4)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)		
RO-64	2.250 (57.150)	1086 (74.9)	.1291 (.4887)	25.8 (97.7)	32.3 (122.3)	45.2 (171.1)	58.1 (220.0)	71.0 (268.8)	Flows: 11 – 71 gpm (41.6 – 268.8 lpm) psi: 1086 – 2440 (bar: 74.9 – 168.2) Stroke Length: 2.50 in. (63.50 mm) Weight: 750 lbs. (340.2 kg)	Max. HP 50 (37.3 kW)
	2.125 (53.975)	1218 (84.0)	.1151 (.4357)	23.0 (87.1)	28.8 (109.0)	40.3 (152.6)	51.8 (196.1)	63.3 (239.6)		
	2.000 (50.800)	1374 (94.7)	.1020 (.3861)	20.4 (77.2)	25.5 (96.5)	35.7 (135.1)	45.9 (173.8)	56.1 (212.4)		
	1.875 (47.625)	1564 (107.8)	.0896 (.3392)	17.9 (67.8)	22.4 (84.8)	31.4 (118.9)	40.3 (152.6)	49.3 (186.6)		
	1.750 (44.450)	1793 (123.6)	.0781 (.2956)	15.6 (59.1)	19.5 (73.8)	27.3 (103.3)	35.1 (132.9)	43.0 (162.8)		
	1.625 (41.275)	2084 (143.7)	.0673 (.2548)	13.5 (51.1)	16.8 (63.6)	23.6 (89.3)	30.3 (114.7)	37.0 (140.1)		
	1.500 (38.100)	2440 (168.2)	.0574 (.2173)	11.5 (43.5)	14.3 (54.1)	20.1 (76.1)	25.8 (97.7)	31.6 (119.6)		
HP (Kilowatts) required @ RPM**				18.2 (13.6)	22.7 (16.9)	31.8 (23.7)	40.9 (30.5)	50.0 (37.3)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency +

Standard Offering. See price pages for standard options.

RO Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	300 RPM US gpm (lpm)	400 RPM US gpm (lpm)	500 RPM US gpm (lpm)	600 RPM US gpm (lpm)		
RO-72	1.875 (47.625)	1051 (72.5)	.1345 (.5091)	26.9 (101.8)	40.3 (152.6)	53.8 (203.7)	67.2 (254.4)	80.7 (305.5)	Flows: 21 – 80 gpm (79.5 – 302.8 lpm) psi: 1051 – 2365 (bar: 72.5 – 163.1) Stroke Length: 2.25 in. (57.15 mm) Weight: 710 lbs. (332.1 kg)	Max. HP 55 (41.0 kW)
	1.750 (44.450)	1207 (83.2)	.1171 (.4433)	23.4 (88.6)	35.1 (132.9)	46.9 (177.5)	58.6 (221.9)	70.3 (266.1)		
	1.625 (41.275)	1399 (96.5)	.1010 (.3823)	20.2 (76.5)	30.3 (114.7)	40.4 (152.9)	50.5 (191.2)	60.6 (229.4)		
	1.500 (38.100)	1642 (113.2)	.0861 (.3259)	17.2 (65.1)	25.8 (97.7)	34.4 (130.2)	43.0 (162.8)	51.6 (195.3)		
	1.375 (34.925)	1954 (134.7)	.0723 (.2737)	14.5 (54.9)	21.7 (82.1)	28.9 (109.4)	36.2 (137.0)	43.4 (164.3)		
	1.250 (31.750)	2365 (163.1)	.0598 (.2264)	12.0 (45.4)	17.9 (67.8)	23.9 (90.5)	29.9 (113.2)	35.9 (135.9)		
HP (Kilowatts) required @ RPM**				18.3 (13.6)	27.5 (20.5)	36.7 (27.4)	45.8 (34.2)	55.0 (41.0)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)	500 RPM US gpm (lpm)		
RO-86	2.500 (63.500)	1048 (72.3)	.1913 (.7241)	57.4 (217.3)	66.9 (253.2)	76.5 (289.6)	86.1 (326.0)	95.6 (361.9)	Flows: 24 – 137 gpm (90.8 – 518.6 lpm) psi: 728 – 2480 (bar: 50.2 – 171.0) Stroke Length: 3.00 in. (76.20 mm) Weight: 945 lbs. (428.6 kg)	Max. HP 65 (48.5 kW)
	2.375 (60.325)	1161 (80.0)	.1726 (.6534)	51.8 (196.1)	60.4 (228.6)	69.0 (261.2)	77.7 (294.1)	86.3 (326.7)		
	2.250 (57.150)	1294 (89.2)	.1549 (.5864)	46.5 (176.0)	54.2 (205.2)	62.0 (234.7)	69.7 (263.8)	77.5 (293.4)		
	2.125 (53.975)	1450 (100.0)	.1382 (.5231)	41.5 (157.1)	48.4 (183.2)	55.3 (209.3)	62.2 (235.5)	69.1 (261.6)		
	2.000 (50.800)	1637 (112.9)	.1224 (.4633)	36.7 (138.9)	42.8 (162.0)	49.0 (185.5)	55.1 (208.6)	61.2 (231.7)		
	1.875 (47.625)	1863 (128.4)	.1076 (.4073)	32.3 (122.3)	37.7 (142.7)	43.0 (162.8)	48.4 (183.2)	53.8 (203.7)		
	1.750 (44.450)	2139 (147.5)	.0937 (.3547)	28.1 (106.4)	32.8 (124.2)	37.5 (142.0)	42.2 (159.7)	46.9 (177.5)		
	1.625 (41.275)	2480 (171.0)	.0808 (.3059)	24.2 (91.6)	28.3 (107.1)	32.3 (122.3)	36.4 (137.8)	40.4 (152.9)		
HP (Kilowatts) required @ RPM**				39.0 (29.1)	45.5 (33.9)	52.0 (38.8)	58.5 (43.6)	65.0 (48.5)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	200 RPM US gpm (lpm)	250 RPM US gpm (lpm)	350 RPM US gpm (lpm)	450 RPM US gpm (lpm)	550 RPM US gpm (lpm)		
RO-117	2.250 (57.150)	1008 (69.5)	.2367 (.8960)	47.3 (179.0)	59.2 (224.1)	82.8 (313.4)	106.5 (403.1)	130.2 (492.9)	Flows: 17 – 130 gpm (64.4 – 492.1 lpm) psi: 1008 – 2698 (bar: 69.5 – 186.0) Stroke Length: 2.75 in. (69.85 mm) Weight: 1,270 lbs. (576.1 kg)	Max. HP 85 (63.4 kW)
	2.125 (53.975)	1130 (77.9)	.2111 (.7991)	42.2 (159.7)	52.8 (199.9)	73.9 (279.7)	95.0 (359.6)	116.1 (439.5)		
	2.000 (50.800)	1275 (87.9)	.1870 (.7079)	37.4 (141.6)	46.8 (177.2)	65.5 (247.9)	84.2 (318.7)	102.9 (389.5)		
	1.875 (47.625)	1451 (100.0)	.1644 (.6223)	32.9 (124.5)	41.1 (155.6)	57.5 (217.7)	74.0 (280.1)	90.4 (342.2)		
	1.750 (44.450)	1665 (114.8)	.1432 (.5421)	28.6 (108.3)	35.8 (135.5)	50.1 (189.6)	64.4 (243.8)	78.7 (297.9)		
	1.625 (41.275)	1932 (133.2)	.1234 (.4671)	24.7 (93.5)	30.9 (117.0)	43.2 (163.5)	55.6 (210.5)	67.9 (257.0)		
	1.500 (38.100)	2267 (156.3)	.1052 (.3982)	21.0 (79.5)	26.3 (99.6)	36.8 (139.3)	47.3 (179.0)	57.9 (219.2)		
	1.375 (34.925)	2698 (186.0)	.0884 (.3346)	17.7 (67.0)	22.1 (83.7)	30.9 (117.0)	39.8 (150.7)	48.6 (184.0)		
HP (Kilowatts) required @ RPM**				30.9 (23.0)	38.7 (28.9)	54.1 (40.3)	69.6 (51.9)	85.0 (63.4)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
RO-174	3.500 (88.900)	858 (59.2)	.4998 (1.8919)	125.0 (473.2)	149.9 (567.4)	174.9 (662.1)	199.9 (756.7)	224.9 (851.3)	Flows: 51 – 224 gpm (193.1 – 847.9 lpm) psi: 858 – 2075 (bar: 59.2 – 143.1) Stroke Length: 4.00 in. (101.60 mm) Weight: 1,725 lbs. (782.4 kg)	Max. HP 125 (93.2 kW)
	3.375 (85.725)	922 (63.6)	.4647 (1.7591)	116.2 (439.9)	139.4 (527.7)	162.7 (615.9)	185.9 (703.7)	209.1 (791.5)		
	3.250 (82.550)	995 (68.6)	.4310 (1.6315)	107.7 (407.7)	129.3 (489.5)	150.8 (570.8)	172.4 (652.6)	193.9 (734.0)		
	3.125 (79.375)	1076 (74.2)	.3984 (1.5081)	99.6 (377.0)	119.5 (452.4)	139.5 (528.1)	159.4 (603.4)	179.3 (378.7)		
	3.000 (76.200)	1167 (80.5)	.3672 (1.3900)	91.8 (347.5)	110.2 (417.2)	128.5 (486.4)	146.9 (556.1)	165.2 (625.4)		
	2.875 (73.025)	1271 (87.6)	.3372 (1.2764)	84.3 (319.1)	101.2 (383.1)	118.0 (446.7)	134.9 (510.7)	151.8 (574.6)		
	2.750 (69.850)	1389 (95.8)	.3086 (1.1682)	77.1 (291.9)	92.6 (350.5)	108.0 (408.8)	123.4 (467.1)	138.8 (525.4)		
	2.625 (66.675)	1525 (105.1)	.2811 (1.0641)	70.3 (266.1)	84.3 (319.1)	98.4 (372.5)	112.5 (425.9)	126.5 (478.9)		
	2.500 (63.500)	1681 (115.9)	.2550 (.9653)	63.8 (241.5)	76.5 (289.6)	89.3 (338.0)	102.0 (386.1)	114.8 (434.6)		
	2.375 (60.325)	1863 (128.4)	.2301 (.8710)	57.5 (217.7)	69.0 (261.2)	80.5 (304.7)	92.1 (348.6)	103.6 (392.2)		
	2.250 (57.150)	2075 (143.1)	.2066 (.7821)	51.6 (195.3)	62.0 (234.7)	72.3 (273.7)	82.6 (312.7)	92.9 (351.7)		
HP (Kilowatts) required @ RPM**				69.5 (51.8)	83.4 (62.2)	97.3 (72.6)	111.2 (82.9)	125.0 (93.2)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

RO Series Sizing Charts (Continued)

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
RO-185	3.500 (88.900)	903 (62.3)	.5310 (2.0100)	132.8 (205.7)	159.3 (603.0)	185.9 (703.7)	212.4 (804.0)	239.0 (904.7)	Flows: 61 – 239 gpm (230.9 – 904.7 lpm) psi: 903 – 1961 (bar: 62.3 – 135.2) Stroke Length: 4.25 in. (107.95 mm) Weight: 2.050 lbs. (929.9 kg)	Max. HP 140 (104.4 kW)
	3.375 (85.725)	971 (66.9)	.4938 (1.8692)	123.4 (467.1)	148.1 (560.6)	172.8 (654.1)	197.5 (747.6)	222.2 (841.1)		
	3.250 (82.550)	1047 (72.2)	.4579 (1.7333)	114.5 (433.4)	137.4 (520.1)	160.3 (606.8)	183.2 (693.5)	206.0 (779.8)		
	3.125 (79.375)	1133 (78.1)	.4233 (1.6024)	105.8 (400.5)	127.0 (480.7)	148.2 (561.0)	169.3 (640.9)	190.5 (721.1)		
	3.000 (76.200)	1229 (84.7)	.3902 (1.4771)	97.5 (369.1)	117.0 (442.9)	136.6 (517.1)	156.1 (590.9)	175.6 (664.7)		
	2.875 (73.025)	1338 (92.3)	.3583 (1.3563)	89.6 (339.2)	107.5 (406.9)	125.4 (474.7)	143.3 (542.4)	161.2 (610.2)		
	2.750 (69.850)	1463 (100.9)	.3278 (1.2409)	82.0 (310.4)	98.4 (372.5)	114.7 (434.2)	131.1 (496.3)	147.5 (558.3)		
	2.625 (66.675)	1605 (110.7)	.2987 (1.1307)	74.7 (282.8)	89.6 (339.2)	104.5 (395.6)	119.5 (452.4)	134.4 (508.8)		
	2.500 (63.500)	1770 (122.0)	.2709 (1.0255)	67.7 (256.3)	81.3 (307.8)	94.8 (358.9)	108.4 (410.3)	121.9 (461.4)		
2.375 (60.325)	1961 (135.2)	.2445 (.9255)	61.1 (231.3)	73.4 (277.9)	85.6 (324.0)	97.8 (370.2)	110.0 (416.4)			
HP (Kilowatts) required @ RPM**				77.7 (57.9)	93.3 (69.6)	108.8 (81.1)	124.4 (92.8)	140.0 (104.4)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)					
RO-261	4.000 (101.600)	934 (64.4)	.7344 (2.7800)	183.6 (695.0)	220.3 (833.9)	257.0 (972.9)	293.8 (1112.2)	330.5 (1251.1)	Flows: 121 – 330 gpm (458.0 – 1249.2 lpm) psi: 934 – 1415 (bar: 64.4 – 97.6) Stroke Length: 4.50 in. (114.30 mm) Weight: 2.680 lbs. (1,215.6 kg)	Max. HP 200 (149.1 kW)			
	3.875 (98.425)	995 (68.6)	.6892 (2.5089)	172.3 (652.2)	206.8 (782.8)	241.2 (913.0)	275.7 (1043.6)	310.1 (1173.9)					
	3.750 (95.250)	1063 (73.3)	.6455 (2.4435)	161.4 (611.0)	193.6 (732.9)	225.9 (855.1)	258.2 (977.4)	290.5 (1099.7)					
	3.625 (92.075)	1138 (78.5)	.6032 (2.2834)	150.8 (570.8)	180.9 (684.8)	211.7 (799.1)	241.3 (913.4)	271.4 (1027.4)					
	3.500 (88.900)	1220 (84.1)	.5623 (2.1285)	140.6 (432.2)	168.7 (638.6)	196.8 (745.0)	224.9 (851.3)	253.0 (957.7)					
	3.375 (85.725)	1312 (90.5)	.5228 (1.9790)	130.7 (494.8)	156.8 (593.6)	183.0 (682.7)	209.1 (791.5)	235.3 (890.7)					
	3.250 (82.550)	1415 (97.6)	.4848 (1.8352)	121.2 (458.8)	145.4 (550.4)	169.7 (642.4)	193.9 (734.0)	218.2 (826.0)					
	HP (Kilowatts) required @ RPM**				111.2 (82.9)	133.4 (99.5)	155.7 (116.1)	177.9 (132.7)			200.0 (149.1)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
RO-358	3.500 (88.900)	1007 (69.4)	.8851 (3.3504)	221.3 (837.7)	265.5 (1005.0)	309.8 (1172.7)	354.0 (1340.0)	398.3 (1507.7)	Flows: 101 – 398 gpm (382.3 – 1506.6 lpm) psi: 1007 – 2187 (bar: 69.4 – 150.8) Stroke Length: 4.25 in. (107.95 mm) Weight: 3.240 lbs. (1,469.6 kg)	Max. HP 260 (193.9 kW)
	3.375 (85.725)	1083 (74.7)	.8230 (3.1154)	205.7 (778.7)	246.9 (934.6)	288.0 (1090.2)	329.2 (1246.2)	370.3 (1401.7)		
	3.250 (82.550)	1168 (80.5)	.7631 (2.8886)	190.8 (722.3)	228.9 (866.5)	267.1 (1011.1)	305.3 (1155.7)	343.4 (1299.9)		
	3.125 (79.375)	1263 (87.1)	.7056 (2.6710)	176.4 (667.7)	211.7 (801.4)	246.9 (934.6)	282.2 (1068.2)	317.5 (1201.9)		
	3.000 (76.200)	1371 (94.5)	.6503 (2.4617)	162.6 (615.5)	195.1 (738.5)	227.6 (861.6)	260.1 (984.6)	292.6 (1107.6)		
	2.875 (73.025)	1492 (102.9)	.5972 (2.2606)	149.3 (565.2)	179.2 (678.3)	209.0 (791.2)	238.9 (904.3)	268.7 (1017.1)		
	2.750 (69.850)	1631 (112.5)	.5464 (2.0683)	136.6 (517.1)	163.9 (620.4)	191.2 (723.8)	218.6 (827.5)	245.9 (930.8)		
	2.625 (66.675)	1790 (123.4)	.4978 (1.8844)	124.5 (471.3)	149.4 (565.5)	174.2 (659.4)	199.1 (753.7)	224.0 (847.9)		
	2.500 (63.500)	1974 (136.1)	.4516 (1.7095)	112.9 (427.4)	135.5 (512.9)	158.0 (598.1)	180.6 (683.6)	203.2 (769.2)		
2.375 (60.325)	2187 (150.8)	.4075 (1.5426)	101.9 (385.7)	122.3 (463.0)	142.6 (539.8)	163.0 (617.0)	183.4 (694.2)			
HP (Kilowatts) required @ RPM**				144.5 (107.8)	173.4 (129.3)	202.3 (150.9)	231.2 (172.4)	260.0 (193.9)		

	Plunger Size in. (mm)	Max. psi (bar)	*Gallon (Liter) Per/Rev	250 RPM US gpm (lpm)	300 RPM US gpm (lpm)	350 RPM US gpm (lpm)	400 RPM US gpm (lpm)	450 RPM US gpm (lpm)		
RO-358L	4.500 (114.300)	609 (42.0)	1.4631 (5.5384)	365.8 (1384.7)	438.9 (1661.4)	512.1 (1938.5)	585.2 (2215.2)	658.4 (2492.3)	Flows: 221 – 658 gpm (836.6 – 2490.8 lpm) psi: 609 – 939 (bar: 42.0 – 64.7) Stroke Length: 4.25 in. (107.95 mm) Weight: 3.240 lbs. (1,469.6 kg)	Max. HP 260 (193.9 kW)
	4.375 (111.125)	644 (44.4)	1.3829 (5.2348)	345.7 (1308.6)	414.9 (1570.6)	484.0 (1832.1)	553.2 (2094.1)	622.3 (2355.7)		
	4.250 (107.950)	683 (47.1)	1.3050 (4.9400)	326.3 (1235.2)	391.5 (1482.0)	456.8 (1729.2)	522.0 (1976.0)	587.3 (2223.2)		
	4.125 (104.775)	725 (50.0)	1.2294 (4.6538)	307.3 (1163.3)	368.8 (1396.1)	430.3 (1628.9)	491.8 (1861.7)	553.2 (2094.1)		
	4.000 (101.600)	771 (53.2)	1.1560 (4.3759)	289.0 (1094.0)	346.8 (1312.8)	404.6 (1531.6)	462.4 (1750.4)	520.2 (1969.2)		
	3.875 (98.425)	821 (56.6)	1.0849 (4.1068)	271.2 (1026.6)	325.5 (1232.2)	379.7 (1437.3)	434.0 (1642.9)	488.2 (1848.0)		
	3.750 (95.250)	877 (60.5)	1.0160 (3.8460)	254.0 (961.5)	304.8 (1153.8)	355.6 (1346.1)	406.4 (1538.4)	457.2 (1730.7)		
	3.625 (92.075)	939 (64.7)	.9494 (3.5939)	237.4 (898.7)	284.8 (1078.1)	332.3 (1257.9)	379.8 (1437.7)	427.2 (1617.1)		
	HP (Kilowatts) required @ RPM**				144.5 (107.8)	173.1 (129.1)	202.2 (150.8)	231.1 (172.3)		

* Displacement based on 100% volumetric efficiency ** Power based on 90% mechanical efficiency + Standard Offering. See price pages for standard options.

Accessories

Know Your Flow

- Used on selected Apex pumps
- Smart display continually displays the theoretical rate of pump displacement
- Digital readout
- Requires only 2 size "C" batteries



Regulators

- Handle capacities from 5 – 210 gpm (19 – 795 lpm)
- Pressures from 50 – 5,500 psi (3 – 379 bar)
- Ductile iron body



Planetary Shaft Adapter

- SAE adapter to provide shaft input for planetary gear boxes for inline motor drives



Pulsation Equipment

- Suction and discharge
- Available up to 1,200 cu. in. (19,665 cu. cm)
- Flanged or threaded
- Replacement cartridges available
- Nitrile, EPDM, or TEF encapsulated
- Carbon steel, plastic coated, and 316 stainless steel



Pulsation Equipment

- Capacities from 10 – 20 gpm (38 – 78 lpm)
- Pressures to 1,500 psi (103 bar)
- Carbon steel body with butyl rubber, SS and Delrin® internal components



Bypass Relief Valve

- Flows from 5 – 210 gpm (19 – 795 lpm)
- Pressures 50 – 5,500 psi (3 – 379 bar)
- Aluminum bronze body with 316 stainless steel internal components



Force Feed Packing Lubricator

- Three- or five-feed for liquids that require additional lubrication such as liquid propane, methanol, dry liquids or liquids requiring dried pumpage to be dissolved/flushed on backside or plungers such as produced water



Myers® Apex Series Tools

- Patented valve puller
- Gland wrench
- Cage wrench



Planetary Gear

- Various ratios and HP ratings for Apex pumps to fit your application



Myers® Valve Pullers, Cylinder Puller

- Tools to assist in removal of valves or cylinders
- Packing removal tool



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