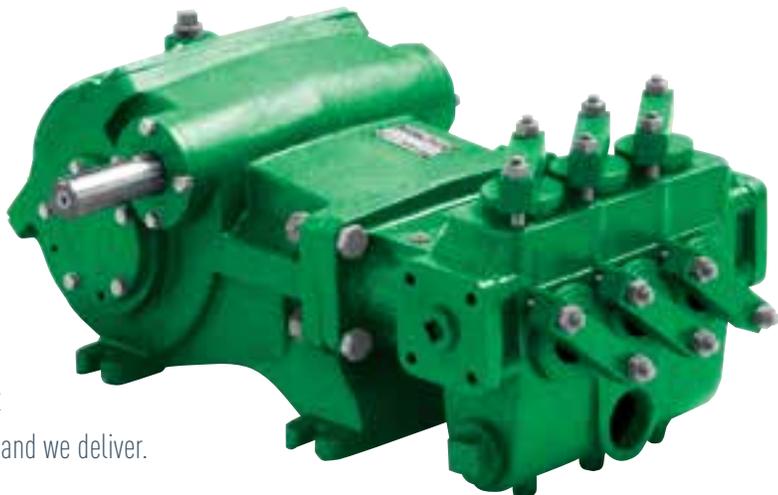


MYERS® MODELS D50-12, D60-10 High Pressure Reciprocating Pumps

Pumps You Can Rely On

Over a century of experience has proven that the Pentair's line of Myers reciprocating pumps are designed and built with performance you can rely on. The D Series high pressure reciprocating pumps perform under pressure for a long time.

The D Series combines Pentair manufacturing expertise and understanding of applications to provide a pump that is perfect for every high pressure job. At Pentair, we know what you need and we deliver.



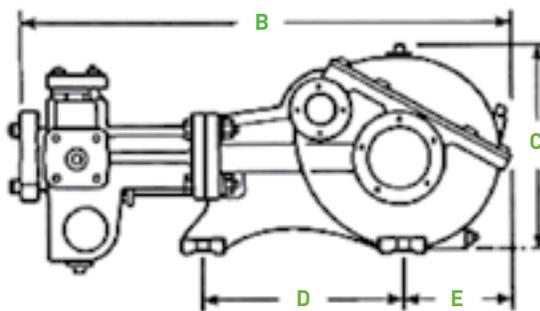
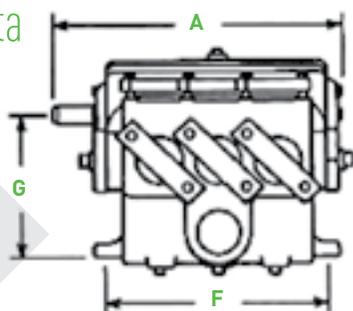
D50-12 Triplex

This pump's high ratio of flow capacity to pressure provides top performance for any cleaning application (i.e. street cleaning), coal field spraying, or strata loosening. Slow operations speed for longer pump life and a built-in gear reduction give added benefits.

D60-10 Triplex

Designed for industrial, oil and gas fields, mining, and marine applications, this pump's slow crankshaft speed reduces parts wear and energy use. Valve and piston assemblies are easily serviced through front/top openings. Specially effective for hull cleaning, barnacle removal, high pressure cleaning and sealing.

Dimensional Data

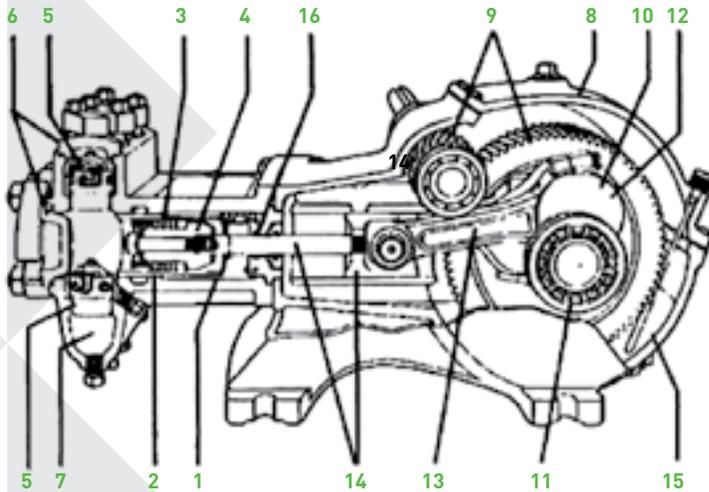


Product Specifications

Catalog Number	Max. Rated Pressure psi (bar)	Max. Rated Capacity GPM (LPM)	Gear Reduct. Ratio	Temp. Rating °F (°C)	Sizes in inches (mm)						Weight lbs. (kg)	Dimensions in inches (mm)							
					Cylinder Bore	Piston Stroke	Suction Size (NPT)	Disch. Size (NPT)	Input Shaft	Keyway		A	B	C	D	E	F	G	Dia. of Mounting Hole
D50-12 Triplex	1200 (83)	50 (189.27)	3.95 to 1	140 (60)	2.250 (57.15)	3.750 (95.25)	3 (76.20)	1/2 (31.75)	1/2 (41.3)	7/8 x 7/8 (9.53 x 4.76)	525 (238)	21 (533.4)	34.5 (876.3)	15.25 (387.35)	14 (355.6)	7.5 (190.5)	16 (406.4)	10.38 (263.65)	.75 (19.05)

Fluid-End Components

1. Cylinder body of high-strength ductile iron.
2. Cylinders are tapered steel shells with supersmooth, hard Tech-23 coating. Easily replaceable.
3. Packing: Buna-N and cotton duck cup supported by a ductile iron follower.
4. Piston assembly: Stud, adjustment nut, and cap screw are all solid stainless steel.
5. Valve assemblies (two types depending on use). 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.
6. Valve and cylinder caps of tough cast iron with Buna-N O-ring seals. Caps are rigidly held in place by removable steel clamps.
7. Suction and discharge located for easy service. Large threaded suction openings on sides and/or front. Discharge openings are flanged and tapped.



Power-End Components

8. Gearcase of rugged cast iron protects the gears and serves as an oil reservoir for continuous lubrication. Cover section quickly removable for easy service.
9. Pinion and main gear are helical cut and machined from high-strength alloy steel, and can rotate in either direction. Integral pinion shaft is also machined from high-strength alloy steel.
10. Automotive type crankshaft is forged from alloy steel.
11. Shaft bearings feature tapered roller bearings.
12. Crankshaft journal bearings are automotive type, steel-backed inserts.
13. Connecting links are cast ductile iron with replaceable bronze wrist-pin bearings.
14. Crossheads/piston "pony" rods: Heavy-duty ductile iron crossheads "pony" rods are smoothly ground and highly polished stainless steel, threaded and pinned to align perfectly with the connecting link.
15. Continuous splash lubrication is provided during either direction of rotation.

Horsepower Requirements

D50-12		Horsepower Required For:				
GPM	RPM	400 PSI	600 PSI	800 PSI	1000 PSI	1200 PSI
40.4	825	11.1	16.6	22.2	27.7	33.3
45.3	925	12.4	18.7	24.9	31.1	37.3
50.2	1025	13.8	20.7	27.6	34.5	41.4
52.7	1075	14.5	21.7	28.9	36.2	43.4

D60-10		Horsepower Required For:			
GPM	RPM	400 PSI	600 PSI	800 PSI	1000 PSI
49.9	825	13.7	20.6	27.4	34.3
56	925	15.4	23	30.7	38.4
62	1025	17	25.5	34	42.6
65	1075	17.9	26.8	35.7	44.6

Kilowatt Requirements

D50-12		Kilowatts Required For:				
LPM	RPM	28 bar	41 bar	55 bar	69 bar	83 bar
153	825	8.3	12.4	16.6	20.7	24.8
171.6	925	9.3	13.9	18.6	23.2	27.8
190.2	1025	10.3	15.4	20.6	25.7	30.8
199.4	1075	10.8	16.2	21.6	27	32.4

D60-10		Kilowatts Required For:			
LPM	RPM	28 bar	41 bar	55 bar	69 bar
189	825	10.2	15.3	20.4	25.5
211.9	925	11.5	17.2	22.9	28.6
234.8	1025	12.7	19	25.4	31.7
246.2	1075	13.3	20	26.6	33.3

Power is based on 85% mechanical efficiency.
Displacement is based on 100% volumetric efficiency.



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