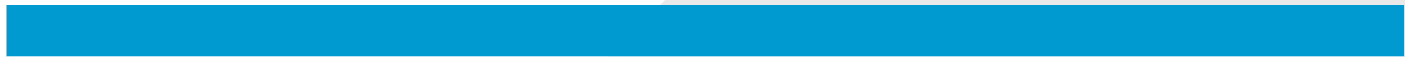


MA-60M/60H

TRIPLEX PLUNGER PUMP

The MA-60M/60H triplex plunger pump is designed for high-pressure applications. It features a robust cast iron body and a stainless steel plunger assembly. The pump is equipped with a 1/2" NPT inlet and outlet ports. It is suitable for a wide range of fluids, including water, oil, and chemical solutions. The pump is designed for long service life and low maintenance.

The MA-60M/60H triplex plunger pump is a high-pressure, high-flow pump. It is designed for applications requiring high pressure and high flow rates. The pump is suitable for a wide range of fluids, including water, oil, and chemical solutions. The pump is designed for long service life and low maintenance.



* Maximum flow rate at 100% efficiency
 (Flow rate at 100% efficiency)

** Maximum flow rate at 100% efficiency
 (Flow rate at 100% efficiency)

MA-60MT i le Pim



ENGINEERING DATA

MA-60M /60H Triplex Pump

POWER END ENGINEERING DATA

Max. Input Power @ Speed	60 HP @ 500 rpm
Rated Continuous Plunger Load	4,752 lb.
Max. Rated Continuous Speed	500 rpm
Normal Continuous Speed Range	150 to 450 rpm
Minimum Speed	100 rpm
Oil Capacity	9 U.S. Qrts
Power End Oiling System	Splash
Power Frame, One-Piece	Class 30 Cast Iron
Crosshead, Full Cylindrical	Cast Iron
Crosshead, Dia. x Length	4 3/4 x 5 in.
Crankshaft	Ductile Iron
Crankshaft Diameters:	
At Tapered Roller Bearings	2 5/8 in.
At Crankpin Bearings, Dia. x Length	3 1/2 x 3 in.
Crosshead (Wrist) Pin, Case-Hardened and Ground	AlSI 8620
Wrist Pin Bushing, SAE 660, dia. x width	1 1/2" x 2.25 in.®
Main Bearings, Tapered Roller	Timken
Crankpin Bearings, Precision Automotive	Steel Backed, Babbitt-Lined
Extension (Pony) Rod	17-4 PH S.S.
Connecting Rod, Automotive Type	Ductile Iron
Average Crosshead Speed @ 500 rpm	250 fpm
Minimum Life Expectancy, Main Bearings, L ₁₀	60,000+ hrs.

LIQUID END ENGINEERING DATA

Max. Continuous Working Pressure 60M	3,200 psi
Max. Continuous Working Pressure 60H	5,000 psi
Hydrostatic Test 60M	4,800 psi
Hydrostatic Test 60H	7,500 psi
Available Liquid End Materials, A.S.T.M.	
Nickel Aluminum Bronze Casting 60M	B148-C955
Carbon Steel Block 60M, 60H	Various Grades
Stainless Steel Block 60M, 60H	Various Grades
Ductile Iron Casting 60M	A536 80-55-06
Plunger Type (Chromium Oxide-Coated)	316 S.ST. (Other types available include Tungsten Carbide, Ceramic)
Stuf ng Boxes, Field-Removable and Replaceable	Nickel Aluminum Bronze, Carbon Steel, Stainless Steel
Gland, Stuf ng Box	Nickel Aluminum Bronze, Carbon Steel, Stainless Steel
Packing Types Available:	
Gland-Loaded, Non-Adjustable	Style 0838
Spring-loaded, cup-type	Style 120X
Spring-loaded, Braided PTFE Coating & Aramid Fiber	Style 0140, 0141, 8921K
Valve Cover and Cyl. Head Plugs	Same as Fluid End
Seals, Stuf ng Boxes, Valve Covers, Cyl. Heads	Nitrile or PTFE
Available Valve Types:	
Standard Disc Type, Acetal Resin (60M)	Acetal
Optional Disc Type, Hardened and Lapped Stainless Steel	17-4PH S.S.®
Valve Spring Material	Inconel®
Plate (Disc) Valves, (Acetal or S.ST.) 60M	2.4 sq. in.
Plate (Disc) Valves, (Acetal or S.ST.) 60H	2.3 sq. in.
Abrasion Resistant Wing Guided Valves 60M	2.4 sq. in.
Abrasion Resistant Wing Guided Valves 60H	1.07 sq. in.
Valve Seat, Liquid Passage Area	
Avg. Liquid Velocity with 2 1/2" plungers @ 500 rpm:	
thru Suction Manifold	
60M	4.3 fps
60H	2.95 fps
thru Discharge Manifold	10.4 fps
60M	9.8 fps
60H	5.2 fps

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1101 MYERS PARKWAY, 490 PINEBUSH ROAD, UNIT 4