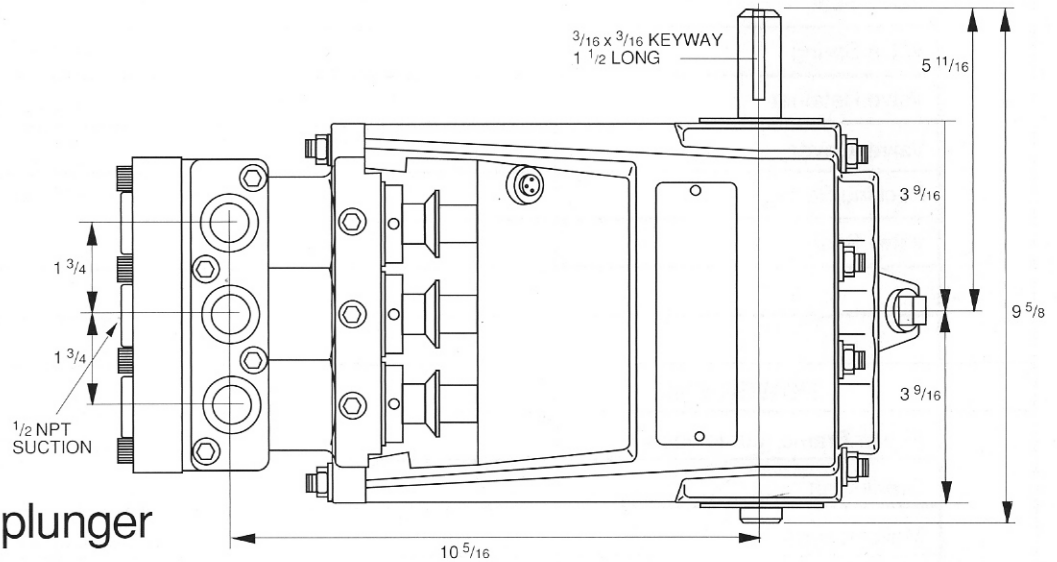
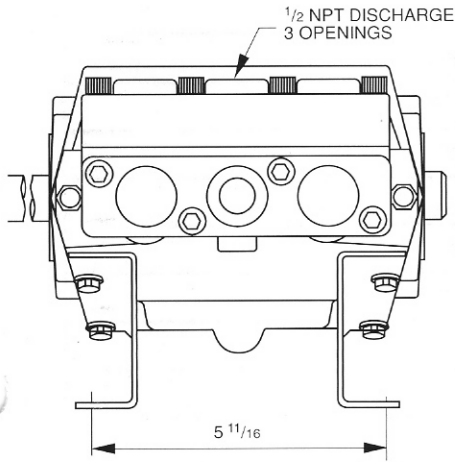
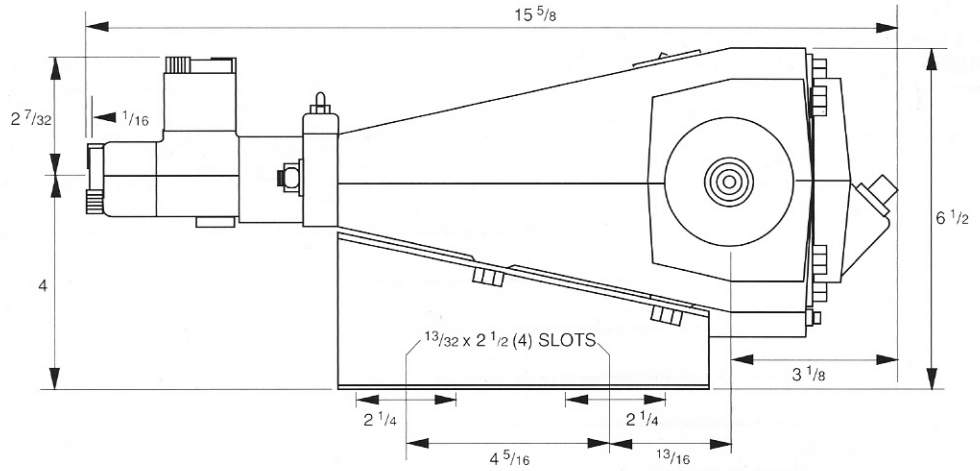


Pump data 4.2 BHP

Model MO4 Plunger Pump



Pump type: Triplex plunger

Drive-end specifications

Stroke — 1"
 Oil Type — SAE 30
 Oil Capacity — 1 pint
 Direction of Rotation — Top of shaft toward head
 Shipping Weight — 43 lbs

Maximum Speed — 900 RPM
 Minimum Speed — 100 RPM
 No. of Pistons — 3
 Crankcase Material — Cast Iron
 Shaft Extension — Standard Shown,
 RH optional

MO4 TRIPLEX POWER PUMP

1", (25.4 mm) STROKE 552 lb. (2460N) FRAME (PLUNGER) LOAD

	PISTON DIAMETER		Displacement		Maximum Discharge Pressure		STD VALVE DATA			CYLINDER CONNECTIONS	
	INCH	MM	GAL/REV	L/REV	PSIG	BAR	DISC. DIAMETER	SEAT HOLE AREA	% Area	SUCTION	DISCHARGE
A 406	.75	19.1	.00574		1250	86.2	.625" (15.9 mm)	.196 IN ² (127 mm ²)	44	1/2" NPT	1/2" NPT

MO4 TRIPLEX POWER PUMP

STANDARD MATERIAL OF CONSTRUCTION

REF#	DESCRIPTION	MATERIAL	
		DI	AB
	FLUID END		
	Fluid Cylinder (valve chamber)	A536 GR 80-55-06 Ductile Iron	C958 Ni-Alum Bronze
	Stuffing Box	A536 GR 80-55-06 Ductile Iron	C958 Ni-Alum Bronze
	Throat Ring	303 Stn Stl	
	Lantern Gland	303 Stn Stl	
	Adjusting Nut	303 Stn Stl	
	Plunger	Solid Ceramic	
	Valve Disc	450 (15-6 Mo) Stn Stl	
	Valve Seat	450 (15-6 Mo) Stn Stl	
	Valve Spring	17-7 Ph Stn Stl	
	Valve Retainer	316 Stn Stl	
	Valve Cover	A536 GR 80-55-06 Ductile Iron	C954 Alum Bronze
	Packing Spring	302 Stn Stl	
	Valve Seal	Buna-N	
	POWER END		
	Power Frame (pump case)	A48 Class 30 Cast Iron	
	Crankshaft	AISI 4140	
	Main Bearings	Steel-Ball Max Capacity	
	Connecting Rod	SAE 660 Bearing Bronze	
	Crosshead	SAE 660 Bearing Bronze	
	Crosshead Extension	Solid Ceramic	

Horsepower

MO406 requires 4.2 HP @ 1250 PSI; 5.2 GPM

Brake Horsepower Required For Specific Applications

$$= \frac{(\text{GPM}) (\text{PSI})}{1543} \text{ or } \frac{(\text{BPD}) (\text{PSI})}{52903}$$

Technical Notes

1. Volumes indicated are based on 100% Volumetric Efficiency.
2. Horsepower required based on 90% Mechanical Efficiency.
3. Ratings are nominal speeds and pressures and may vary on FMC written approval.

FMC Corporation Fluid Control Division. P.O. Box 1377, Stephenville, Texas 76401, Phone: 817/968-2181, Fax: 817/968-5709