



FXF (FF-FXF) DUPLEX POWER PUMP

SPECIFICATIONS:

Maximum BHP

Mud Service: 16.2 (12 kw)

Ind'l. Service: 19.7 (15 kw)

Maximum Jackshaft RPM

Mud Service: 439

Ind'l. Service: 537

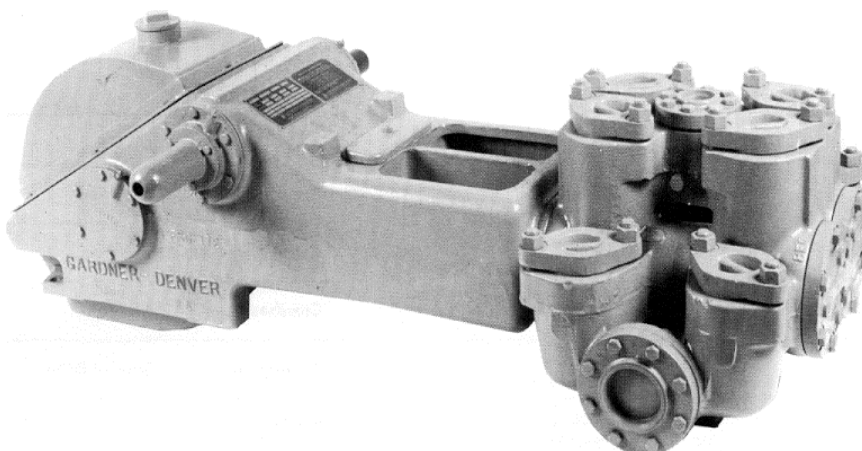
No. of Pistons: 2

Stroke Length: 5 in. (127 mm)

Piston Rod Load: 3,140 lbs. (1,424 kg)

Oil Capacity: 3 gal. (11.5 liters)

Pump Weight: 1,495 lbs. (678 kg)



PERFORMANCE RATINGS

FXF DUPLEX INDUSTRIAL PUMP for Oil Line, Mining and Industrial Service

Model	Stroke	Liner Size Diameter		Normal Operation					** Maximum Recommended Operation					*** Maximum Working Pressure		Maximum Piston Load
				Displacement		Max Pump RPM	Jack-shaft RPM	Input HP at Max. Speed	Displacement		Max Pump RPM	Jack-shaft RPM	Input HP at Max. Speed			
				in.	mm	gpm	lpm				gpm	lpm				
FXF(*)		4 1/2	114.3	121	458				149	562				197	13	3,140 lbs. (1424 kg)
FXF(*)	5" (127 mm)	4	101.6	94	357	90	439	16.2	115	435	110	537	19.7	250	17	
		3 1/2	88.9	72	274				88	334				326	22	
		3	76.2	52	197				64	242				444	30	
		2 1/2	63.5	35	135				43	164				639	44	

FXF DUPLEX MUD PUMP for Mud, Grout and Cement Service

Model	Stroke	Liner Size Diameter		Normal / Maximum Recommended Operation					*** Maximum Working Pressure		Maximum Piston Load		
				Displacement		Max Pump RPM	Jack-shaft RPM	Input HP at Max. Speed					
				in.	mm	gpm	lpm						
FXF(*)		4 1/2	114.3	121	458						197	13	3,140 lbs. (1424 kg)
FXF(*)	5" (127 mm)	4	101.6	94	357	90	439	16.2	250	17			
		3 1/2	88.9	72	274				326	22			
		3	76.2	52	198				444	30			
		2 1/2	63.5	35	135				639	44			

Based on 90% mechanical efficiency and 100% volumetric efficiency.

Specifications subject to change without notice.

** These speeds are recommended for favorable suction conditions and consideration must be given to viscosity and character of fluids.

*** Maximum working pressure shown applies to the fluid ends. Power ends are designed for certain maximum piston rod loads, and in service the power end determines the maximum pressure on a given size piston. Tabulated maximum pressure for any given size piston for maximum piston rod load must not be exceeded even at reduced RPM. Fluid cylinder liners and pistons are interchangeable in all sizes except for the FXF cylinders fitted with 4 1/2" parts and FXX and FXD cylinders with 5 1/2" parts.



FXF (FF-FXF) DUPLEX POWER PUMP

STANDARD EQUIPMENT

- Rods and pistons.
- Liners and valves.
- Double-extended jackshaft with extension for one side.
- Piston rods have Gardner Denver No. 1 or API No. 1 taper (optional).
- Wood skid.
- Non-adjustable packing standard. Kevlar or double stack packing optional.

Suction Connection: 2 1/2" NPT 125#

Discharge Connection: 2" NPT 300#

Jackshaft Extension

Diameter: 1.94"

Length: 5.0"

Keyway: 4 7/8" L x 1/2" W x 1/2" H

Dimensions: Length 67.4", Width 30.1", Height 13.5"

Note: All installations must contain a pressure relief valve in the discharge line near the pump to help prevent breakage.

OPTIONAL EQUIPMENT

- Surge chamber.
- Steel skid.
- Stainless steel valves.
- Metal packed pistons.
- Special jackshafts.
- Top motor mount.

*MODEL DESIGNATIONS		
MODEL	FF-FXF	FF-FXF
Mud Service	FXFB	FXFA
Grout & Cement Service	FXFD	FXFC
Oil Service	FXFE	FXFJ
General Service	FXFG	FXFH
Bronze Fitted (Water Svc)	FXFF	N/A
Stroke	5"	5"
Liner Size		
Maximum	4"	4.5"
Minimum	2.5"	4"
Fluid End Type	Cast Iron One Piece	Cast Iron One Piece

MATERIAL SPECIFICATIONS

COMPONENT	GENERAL SERVICE	MUD, GROUT & CEMENT	OIL SERVICE	WATER SERVICE	POWER END:	
					COMPONENT	MATERIAL
Cylinder	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Eccentric	Cast Iron
Liners	Hardened Steel	Hardened Steel	Hardened Steel	Bronze	Connecting Rods	Cast Iron
Suction Manifold	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Crossheads	Cast Iron
Discharge Manifold	Integral with Cylinder	Integral with Cylinder	Integral with Cylinder	Integral with Cylinder	Main Bearing	Tapered Roller
Packing	Braided Polymer	Molded Convex	Braided Polymer	Braided Polymer	Connecting Rod Bearing	Bronze
Piston	Iron with Pacing Rings	Steel Body with Nitrile Rubber	Iron with Pacing Rings	Bronze with Pacing Rings	Crosshead Pin Bearing	Bronze
Piston Rod	Hardened Steel	Hardened Steel	Hardened Steel	Bronze		
Stuffing Box	Cast Iron	Cast Iron	Cast Iron	Cast Iron		
Valve	Iron Wing Guided	Steel Wing Guided	Steel Wing Guided	Bronze Wing Guided		
Valve Seats	Iron	Steel	Steel	Bronze		

*Materials listed are furnished as standard equipment. Alternate materials available upon request.