



FXX (FC-FXX) Two-Piece Fluid End DUPLEX POWER PUMP

SPECIFICATIONS:

Maximum BHP

Mud Service: 52 (39 kw)
Ind'l. Service: 73 (54 kw)

Maximum Jackshaft RPM

Mud Service: 330
Ind'l. Service: 471

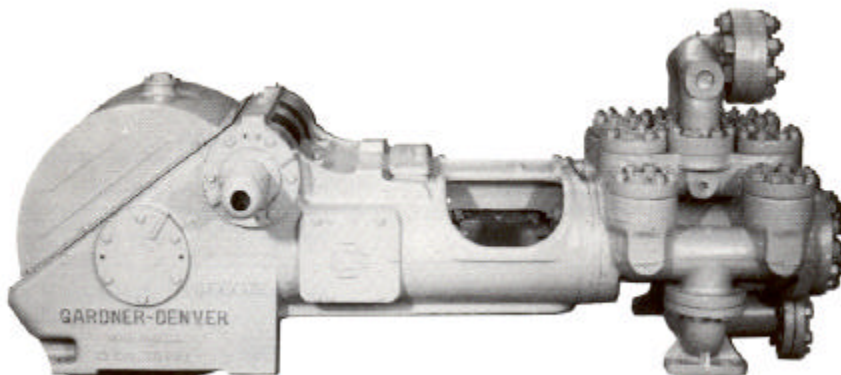
No. of Pistons: 2

Stroke Length: 8 in. (203 mm)

Piston Rod Load: 8,036 lbs. (3,645 kg)

Oil Capacity: 12 gal. (46 liters)

Pump Weight: 4,930 lbs. (2,236 kg)



PERFORMANCE RATINGS

FXX 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				
FXX(*)	8" (203 mm)	5	127.0	164	621	63	297	46	260	984	100	471	73	409	29	8,036 lbs. (3,645 kg)
		4 ½	114.3	131	496				208	787				505	36	
		4	101.6	102	386				162	613				640	45	
		3 ½	88.9	76	288				121	458				836	59	
		3	76.2	54	204				86	324				1137	80	

FXX 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						
FXX(*)	8" (203 mm)	5	127.0	182	689	70	330	52	409	29	8,036 lbs. (3,645 kg)		
		4 ½	114.3	146	553				505	36			
		4	101.6	113	439				640	45			
		3 ½	88.9	85	322				836	59			
		3	76.2	60	227				1137	80			

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 ½" parts and FXX and FXD cylinders with 5 ½" parts.



FXX (FC-FXX) 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.

OPTIONAL EQUIPMENT

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

Suction Connection: 4" NPT 250#

Discharge Connection: 3" NPT 2500#

Jackshaft Extension

Diameter: 3"

Length: 9"

Keyway: 9" L x 3/4" W x 3/4" H

Dimensions: Length 95.4", Width 49.8", Height 31.0"

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

*MODEL DESIGNATIONS

MODEL	FC-FXX
Mud Service	FXXD
Grout & Cement Service	FXXH
Oil Service	FXXM
General Service	FXXU
Bronze Fitted (Water Service)	FXXQ
Stroke	8"
Liner Size	
Maximum	5"
Minimum	2.5"
Fluid End Type	Cast Iron Two Piece

MATERIAL SPECIFICATIONS

COMPONENT	GENERAL SERVICE	MUD, GROUT and CEMENT	OIL SERVICE	WATER SERVICE	POWER END:	
					COMPONENT	MATERIAL
Cylinder	Cast Steel	Cast Steel	Cast Steel	Cast Steel	Eccentric	Cast Iron
Liners	Hardened Steel	Hardened Steel	Hardened Steel	Bronze	Connecting Rods	Nodular Iron
Suction Manifold	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Crossheads	Cast Iron
Discharge Manifold	Nodular Iron	Nodular Iron	Nodular Iron	Nodular Iron	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	Nodular Iron	Nodular Iron	Nodular Iron	Nodular Iron		
Valve	Steel Wing Guided	Steel Wing Guided	Steel Wing Guided	Bronze Wing Guided		
Valve Seats	Steel	Steel	Steel	Bronze		

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

**Gardner
Denver**



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