



FXX (FD-FXX) 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

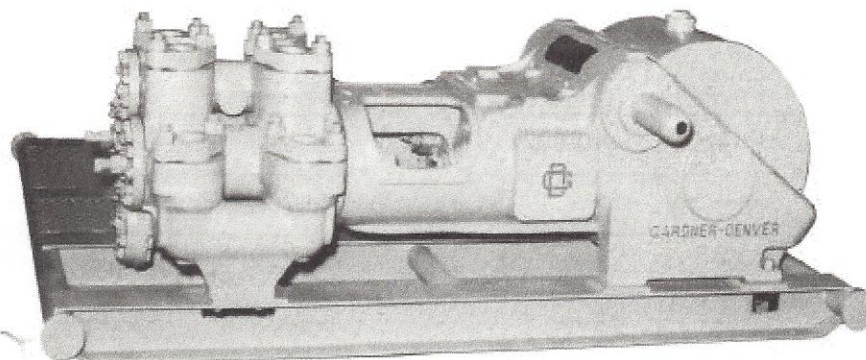
No. of Pistons: 2

Stroke Length: 8 in. (203 mm)

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

Oil Capacity: 12 gal. (46 liters)

Pump Weight: 4,760 lbs. (2,159 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	Jackshaft RPM	Input HP at Max. Speed	Displacement		Max Pump RPM	Jackshaft RPM	Input HP at Max. Speed			
		in.	mm	gpm	lpm				gpm	lpm				psi	kg/cm ²	
FXX(*)		5 1/2	139.7	200	757				317	1200				338	24	8,036 lbs. (3645 kg)
FXX(*)	8" (203 mm)	5	127.0	164	621	63	297	46	260	984	100	471	73	409	29	
		4 1/2	114.3	131	496				208	787				505	36	
		4	101.6	102	386				162	613				640	45	
		3 1/2	88.9	76	288				121	458				836	59	
		3	76.2	54	204				86	326				1136	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	Jackshaft RPM	Input HP at Max. Speed							
		in.	mm	gpm	lpm				psi	kg/cm ²					
FXX(*)		5 1/2	139.7	222	840								338	24	8,036 lbs. (3645 kg)
FXX(*)	8" (203 mm)	5	127.0	182	689	70	330	52	409	29					
		4 1/2	114.3	146	553				505	36					
		4	101.6	113	439				640	45					
		3 1/2	88.9	85	322				836	59					
		3	76.2	60	227				1136	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 1/2" parts and FXX and FXD cylinders with 5 1/2" parts.

Distributor Contact
NDS Drilling Supply, Inc.
 26041 Newton Circle
 Elko New Market, MN 55020
 1-800-637-1940 952-461-3400

Distributor Contact
NDS Drilling Supply, Inc.
26041 Newton Circle
Elko New Market, MN 55020
1-800-637-1940 952-461-3400



**FXX (FD-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 600#

Jackshaft Extension

Diameter: 3"

Length: 9"

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

Dimensions: Length 96.9", 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	FD-FXX	FD-FXX
Mud Service	FXXC	FXXB
Grout & Cement Service	FXXG	FXXF
Oil Service	FXXL	FXXK
General Service	FXXT	FXXS
Bronze Fitted (Water Svc)	FXXP	N/A
Stroke	8"	8"
Liner Size		
Maximum	5"	5.5"
Minimum	3"	3.5"
Fluid End Type	Cast Iron One Piece	Cast Iron One Piece

MATERIAL SPECIFICATIONS

COMPONENT	GENERAL SERVICE	MUD, GROUT and CEMENT	OIL SERVICE	WATER SERVICE
Cylinder	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Liners	Hardened Steel	Hardened Steel	Hardened Steel	Bronze
Suction Manifold	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Discharge Manifold	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Packing	Braided Polymer	Molded Convex	Braided Polymer	Braided Polymer
Piston	Iron with Pacing Rings	Steel Body with Nitrile Rubber	Iron with Pacing Rings	Bronze with Pacing Rings
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

POWER END:	
COMPONENT	MATERIAL
Eccentric	Cast Iron
Connecting Rods	Nodular Iron
Crossheads	Cast Iron
Main Bearing	Tapered Roller
Connecting Rod Bearing	Bronze
Crosshead Pin Bearing	Bronze

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



For additional information contact your local representative or
 Gardner Denver Compressor and Pump Division,
 1800 Gardner Expressway, Quincy, Illinois 62301
 Customer Service Department
 Telephone: (800) 682-9868 FAX: (217) 224-7814
 Sales and Service in all major cities.