



FXG (FG-FXG) DUPLEX POWER PUMP

SPECIFICATIONS:

Maximum BHP

Mud Service: 32 (24 kw)

Ind'l. Service: 42.5 (32 kw)

Maximum Jackshaft RPM

Mud Service: 354

Ind'l. Service: 472

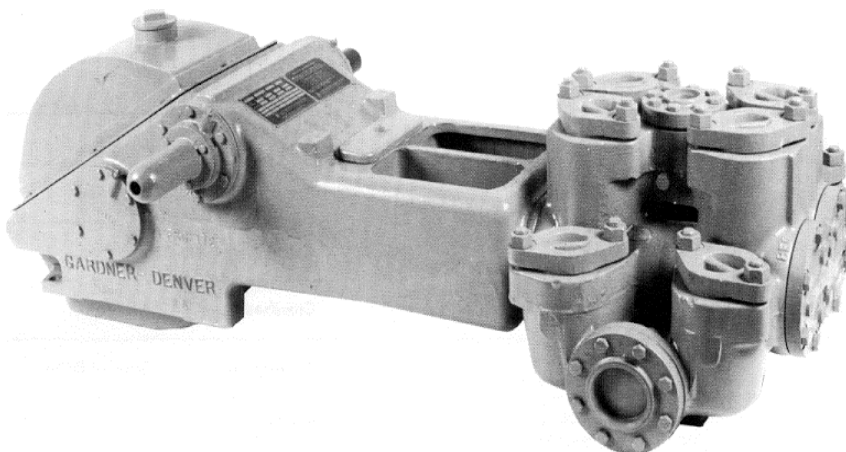
No. of Pistons: 2

Stroke Length: 6 in. (152 mm)

Piston Rod Load: 6,122 lbs. (2,777 kg)

Oil Capacity: 4.5 gal. (17 liters)

Pump Weight: 2,300 lbs. (1,043 kg)



PERFORMANCE RATINGS

FXG 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						psi
FXG(*)	6" (152 mm)	5	127.0	150	568	75	354	32	200	757	100	472	42.5	310	21	6,122 lbs. (2,777 kg)
		4 ½	114.3	121	458				161	609				385	27	
		4	101.6	95	359				126	477				492	34	
		3 ½	88.9	72	272				96	363				646	45	
		3	76.2	52	197				69	262				895	62	

FXG 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						psi	kg/cm ²	
FXG(*)	6" (152 mm)	5	127.0	150	568	75	354	32	310	21	6,122 lbs. (2,777 kg)		
		4 ½	114.3	121	458				385	27			
		4	101.6	95	359				492	34			
		3 ½	88.9	72	272				646	45			
		3	76.2	52	197				895	62			

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.



FXG (FG-FXG) 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 125#

Discharge Connection: 2" NPT 600#

Jackshaft Extension

Diameter: 2.44"

Length: 6.06"

Keyway: 6" L x 5/8" W x 5/8" H

Dimensions: Length 79.3", Width 35.4", Height 23.3"

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

*MODEL DESIGNATIONS

MODEL	FG-FXG
Mud Service	FXGA
Grout & Cement Service	FXGB
Oil Service	FXGC
General Service	FXGE
Bronze Fitted (Water Service)	FXGD
Stroke	6"
Liner Size	
Maximum	5"
Minimum	2.5"
Fluid End Type	Cast Iron One Piece

MATERIAL SPECIFICATIONS

COMPONENT	GENERAL SERVICE	MUD, GROUT and 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.