

FXG (FG-FXG) Duplex Power Pump



Specifications			
Maximum BHP		Mud Service: 32 (24 kw)	Industrial Service: 42.5 (32 kw)
Max. Jackshaft RPM		Mud Service: 354	Industrial Service: 472
No. of Pistons		2	
Stroke Length		6" (152 mm)	
Piston Rod Load		6,122 lbs. (2,777 kg)	
Oil Capacity		4.5 gallons (17 liters)	
Pump Weight		2,300 lbs. (1,043 kg)	



FXG (FG-FXG) Duplex Power Pump Performance Ratings

Linear Size Diameter		Normal Operation					**Maximum Recommended Operation					***Maximum Working Pressure	
		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
FXG Duplex Industrial Pump for Oil Line, Mining and Industrial Service													
5	127.0	150	568	75	354	32	200	757	100	472	42.5	310	21
4.5	114.3	121	458	75	354	32	161	609	100	472	42.5	385	27
4	101.6	95	359	75	354	32	126	477	100	472	42.5	492	34
3.5	88.9	72	272	75	354	32	96	363	100	472	42.5	646	45
3	76.2	52	197	75	354	32	69	262	100	472	42.5	895	62
Normal/Maximum Recommended Operation													
Linear Size Diameter		Displacement		Max Pump RPM	Jackshaft RPM	Input HP at Max. Speed					***Maximum Working Pressure		
in.	mm.	gpm	lpm								psi	kg/cm ²	
FXG Duplex Mud Pump for Mud, Grout and Cement Service													
5	127.0	150	568	75	354	32					310	21	
4.5	114.3	121	458	75	354	32					385	27	
4	101.6	94	359	75	354	32					492	34	
3.5	88.9	72	272	75	354	32					646	45	
3	76.2	52	197	75	354	32					895	62	

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

*** Maximum working pressure shown applied 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 4.5" parts and FXX and FXD cylinders with 5.5" parts.

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Standard Features

- 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

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.

Optional Equipment

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

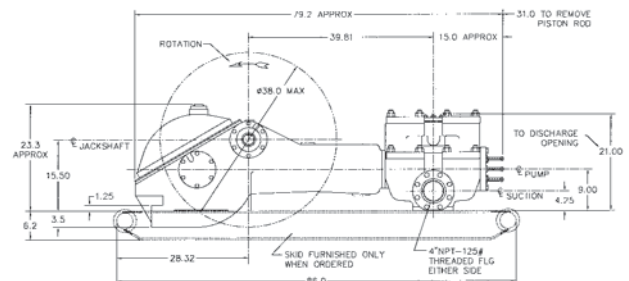
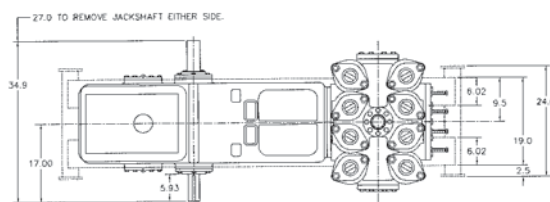
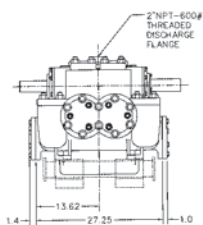
Model Designations

Model	FG-FXG
Mud Service	FXGA
Grout/Cement Service	FXGB
Oil Service	FXGC
General Service	FXGE
Bronze Fitted (Water Srv)	FXGD
Stroke	6"
Liner Size Maximum	5"
Liner Size Minimum	2.5"
Fluid End Type	Cast Iron 1 Piece

Material Specifications

Component	General Service	Mud Grout and Cement	Oil Service	Water Service	Power End Component	Power End 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 are available up/on request.



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