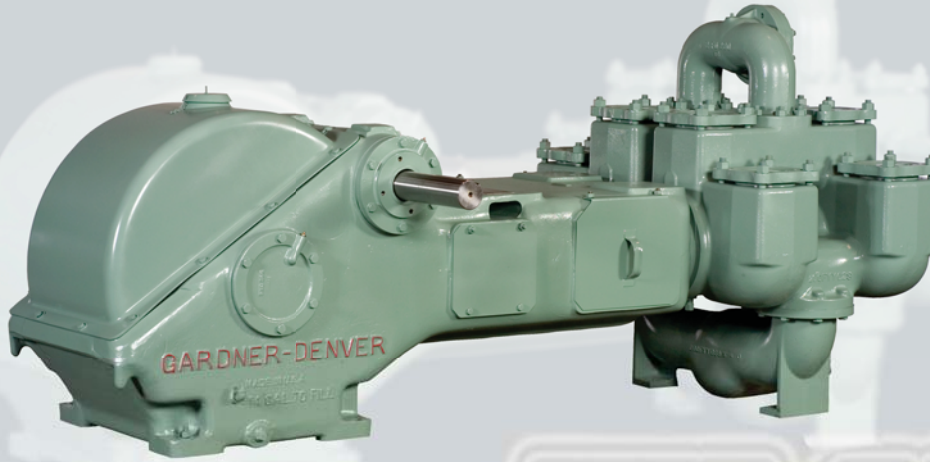


FXD (FD-FXD) Duplex Power Pump



Specifications

Maximum BHP	Mud Service: 84 (62 kw)	Industrial Service: 109 (81 kw)
Max. Jackshaft RPM	Mud Service: 390	Industrial Service: 510
No. of Pistons	2	
Stroke Length	10" (254 mm)	
Piston Rod Load	11,270 lbs. (5,112 kg)	
Oil Capacity	14 gallons (53 liters)	
Pump Weight	6,025 lbs. (2,733 kg)	



FXD (FD-FXD) 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
FXD Duplex Industrial Pump for Oil Line, Mining and Industrial Service													
5	127.0	185	700	57	342	72.8	276	1045	85	510	109	574	40
4.5	114.3	148	560	57	342	72.8	221	836	85	510	109	709	49
4	101.6	115	435	57	342	72.8	172	651	85	510	109	897	62
3.5	88.9	86	326	57	342	72.8	129	488	85	510	109	1171	81
3	76.2	61	231	57	342	72.8	91	344	85	510	109	1500	103
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	
FXD Duplex Mud Pump for Mud, Grout and Cement Service													
5	127.0	211	799	65		390			83			574	40
4.5	114.3	169	640	65		390			83			709	49
4	101.6	131	496	65		390			83			897	62
3.5	88.9	98	371	65		390			83			1171	81
3	76.2	70	265	65		390			83			1500	103

** 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.

FXD (FD-FXD) Duplex Power Pump



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 250#

Discharge Connection: 3" NPT 600#

Jackshaft Extension

Diameter: 3.25"

Length: 12.38"

Keyway: 12.38"L x 3/4"W x 3/4"H

Dimensions: Length 107.1", Width 59.4", Height 42.5"

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

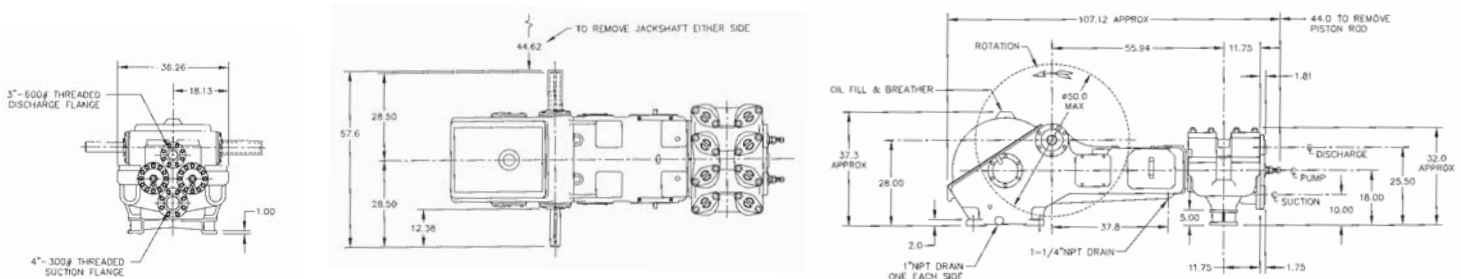
Model Designations

Model	FD-FXD	FD-FXD
Mud Service	FXDC	FXDB
Grout/Cement Service	FXDG	FXDF
Oil Service	FXDL	FXDK
General Service	FXDT	FXDS
Bronze Fitted (Water Srv)	FXDP	N/A
Stroke	10"	10"
Liner Size Maximum	5"	5.5"
Liner Size Minimum	3"	3.5"
Fluid End Type	Cast Iron 1 Piece	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	Nodular 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	Cast iron	Cast iron	Cast iron	Cast 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	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 upon request.



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