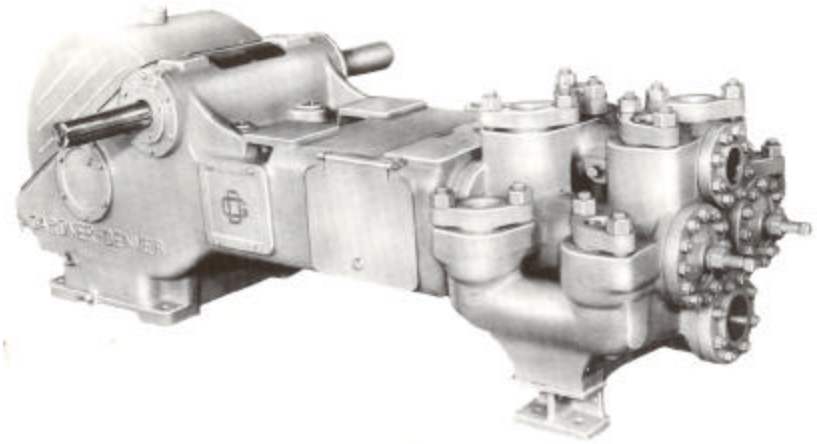
FXE (FD-FXE)
DUPLEX POWER PUMP

SPECIFICATIONS:

Maximum BHP
Mud Service: 102 (76 kw)
Ind'l. Service: 131 (98 kw)
Maximum Jackshaft RPM
Mud Service: 390
Ind'l. Service: 510
No. of Pistons: 2
Stroke Length: 10 in. (254 mm)
Piston Rod Load: 11340 lbs. (6,110 kg)
Oil Capacity: 14 gal. (53 liters)
Pump Weight: 6,025 lbs. (2,733 kg)



PERFORMANCE RATINGS

FXE DUPLEX INDUSTRIAL PUMP for Oil Line, Mining and Industrial Service

				Normal Operation					** Maximum Recommended Operation							
Model	Stroke	Liner Size Diameter		Displacement		Max Pump RPM	Jack-shaft RPM	Input HP at Max. Speed	Displacement		Max Pump RPM	Jack-shaft RPM	Input HP at Max. Speed	*** Maximum Working Pressure		Maximum Piston Load
		in.	**mm**	**gpm**	**lpm**				**gpm**	**lpm**				**psi**	**kg/cm2**	
FXE(*)	10" (254 mm)	5 1/2	139.7	257	855	57	342	87.9	337	1276	85	510	131	567	39	11340 lbs. (6110 kg)
FXE(*)		5	127.0	211	700				276	1045				686	47	
		4 1/2	114.3	169	560				221	836				847	58	
		4	101.6	132	435				172	651				1072	74	
		3 1/2	88.9	98	326				129	488				1401	97	
		3	76.2	70	231				91	344				1500	103	

FXE DUPLEX MUD PUMP for Mud, Grout and Cement Service

				Normal / Maximum Recommended Operation						
Model	Stroke	Liner Size Diameter		Displacement		Max Pump RPM	Jack-shaft RPM	Input HP at Max. Speed	*** Maximum Working Pressure		Maximum Piston Load
		in.	**mm**	**gpm**	**lpm**				**psi**	**kg/cm2**	
FXE(*)	10" (254 mm)	5 1/2	139.7	257	855	65	390	102	567	39	11340 lbs. (6110 kg)
FXE(*)		5	127.0	211	700				686	47	
		4 1/2	114.3	169	560				847	58	
		4	101.6	132	435				1072	74	
		3 1/2	88.9	98	326				1401	97	
		3	76.2	70	231				1500	103	

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.

FXE (FD-FXE)
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.

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-FXE**	**FD-FXE**
Mud Service	FXEC	FXEB
Grout & Cement Service	FXEG	FXEF
Oil Service	FXEL	FXEK
General Service	FXET	FXES
Bronze Fitted (Water Svc)	FXEP	N/A
Stroke	10"	10"
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 Packing Rings	Steel Body with Nitrile Rubber	Iron with Packing Rings	Bronze with Packing 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	Nodular Iron
Eccentric Gear	Hardened Steel
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.

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