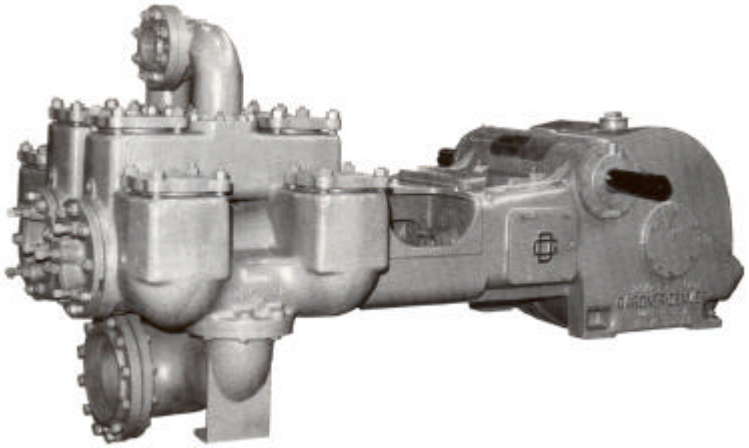
FXX (FY-FXX) Two-Piece Fluid End
DUPLEX POWER PUMP

SPECIFICATIONS:

Maximum BHP
Mud Service: 52 (39 kw)
Ind'l. Service: 75 (56 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: 5,800 lbs. (2,631 kg)



PERFORMANCE RATINGS

FXX 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**	
FXX(*)	8" (203 mm)	7 1/2	191	378	1590	63	297	47.2	600	2271	100	471	75	182	13	8,036 lbs. (3,645 kg)
		7 1/4	184	352	1480				559	2116				195	14	
		7	178	328	1382				521	1972				209	15	
		6 1/2	165	282	1219				447	1692				242	17	
		6	152	239	1185				379	1435				284	20	
		5 1/2	140	200	1007				317	1200				338	24	
		5	127	164	840				260	984				409	29	

FXX 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**	
FXX(*)	8" (203 mm)	7 1/2	191	420	1590	70	330	52	182	13	8,036 lbs. (3,645 kg)
		7 1/4	184	391	1480				195	14	
		7	178	365	1382				209	15	
		6 3/4	172	322	1219				217	15	
		6 1/2	165	313	1185				242	17	
		6	152	266	1007				284	20	
		5 1/2	140	222	840				338	24	
		5	127	182	689				409	29	

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.

FXX (FY-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.

Suction Connection: 10" NPT 150#
Discharge Connection: 4" NPT 300#
Jackshaft Extension
Diameter: 3"
Length: 9"
Keyway: 9" L x 3/4" W x 3/4" H
Dimensions: Length 104.1", Width 49.8", Height 36.0"

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	**FY-FXX**
Mud Service	FXXA
Grout & Cement Service	FXXE
Oil Service	FXXJ
General Service	FXXR
Bronze Fitted (Water Service)	FXXN
Stroke	8"
Liner Size	
Maximum	7.5"
Minimum	5"
Fluid End Type	Cast Iron Two 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	Steel Center Guided	Steel Wing Guided	Steel Center Guided	Bronze Wing Guided
Valve Seats	Steel	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.

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