

# Banjo 3" Cast Iron Hydraulic Driven

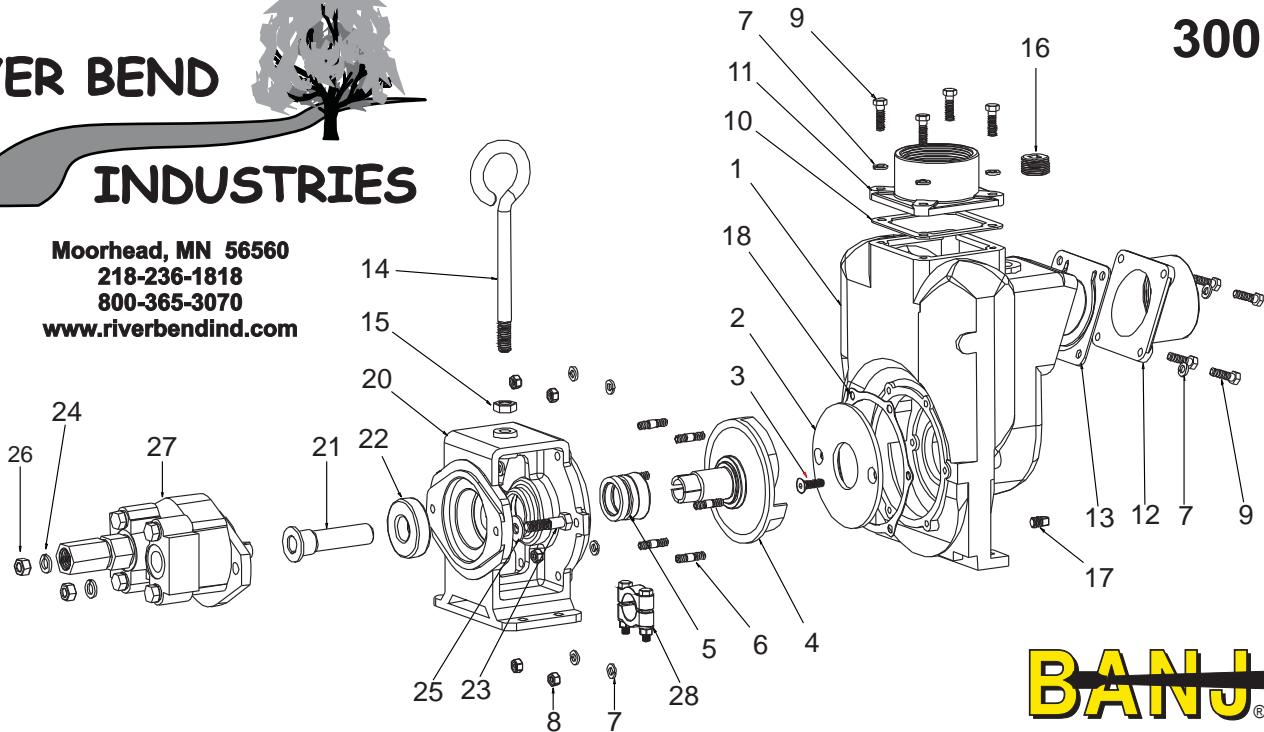
**Model  
300PIHY**

**RIVER BEND**



**INDUSTRIES**

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## REPLACEMENT PARTS 3" CAST IRON HYDRAULIC PUMPS

REF. NO.	PART NO.	DESCRIPTION PER PUMP	QTY.	REF. NO.	PART NO.	DESCRIPTION PER PUMP	QTY.
1	18001	Pump Housing	1	15	18034	5/8" - 11 Hex Nut	1
2*	18004	Wear Plate	1	16	18002	1" NPT Plug	1
3*	18106	3/8" - 16 x 1.25" HHCS	2	17	18003	1/2" NPT Plug	1
4*	18023	Impeller & Drive Shaft	1	18*	18021	3" Pump Adapter Gasket	1
5*	18025	Mechanical Seal FKM (viton type)	1	20	18049	Hydraulic Motor Adapter	1
5	18025SD	Severe Duty Seal	1	21	18055	Hydraulic Adapter Shaft	1
6	18218	Pump Housing Stud	6	22	18502	Bearing SKF 66306-2RS1/C3	1
7	V20018	3/8" Split Lockwasher	14	23	18056	1/2" - 13 x 2" HHCS	2
8	V20019	3/8" - 24 Hex Nut	6	24	18058	1/2" Split Washer	2
9	18010SS	3/8" - 16 x 1.25" HHCS	8	25	18059	1/2" Flat Washer	2
10	18009	Outlet Gasket EPDM	1	26	17010	1/2" - 13 Hex Nut	2
11	18008	Outlet Flange	1	27	HY1012	UM16-45A-HX Hydraulic Motor Assy	1
12	18012	3" Inlet Flange	1	28	18029	3" Clamp Assembly, Unkeyed	1
13	18013	3" Inlet/Check Gasket EPDM	1	N/S	18100	Pump Repair Kit ( 3" ) (Consists of items marked *)	1
14	18033	Pump Handle 5/8" - 11 Thread	1	N/S	HY-1001	Hydraulic Motor Seal Kit, Cast Pump Model Only	

### HYDRAULIC MOTOR DATA

U.S. Gallons/Rev. 0.0038

Cubic Inches/Rev. 0.878

Liters/Rev. 0.0144

Max Hydraulic Pressure 3000 PSI

Min Hydraulic Pressure 600 PSI

Inlet Port 1-1/16-12UN-2B

Outlet Port 1-5/16-12UN-2B

Minimum GPM Required 9 GPM 2370 RPM

Maximum GPM Required 13 GPM 3450 RPM

Ideal GPM Required 9 GPM 3600 RPM

### CONNECTION INFORMATION

Inlet "A" Port

Outlet "B" Port

Supplied check valve is to ensure proper rotation of the Banjo pump. Place check valve in outlet port (marked "B") for proper right hand rotation. It is recommended that a minimum 3/4" inlet line & a minimum 1" outlet line be used. The outlet port must be connected directly back to the hydraulic fluid reservoir & not to any valving, regulators or flow diverters. The outlet port/return line back pressure must not exceed 250 PSI.

### SPOOL VALVE INFORMATION

Required Outlet Flow Min 9 GPM / Max 13 GPM

Required System Pressure Min 600 PSI / Max 3000 PSI