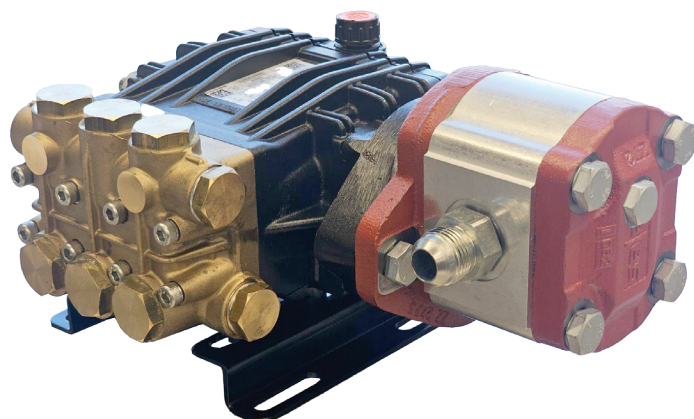


Hydraulic Drive Assemblies

Pump, Hydraulic Motor, Mounting Rails

1750 RPM



- Brass Manifold
- Heat Treated Crankshaft
- Stainless Steel Piston Guides
- High Strength Aluminum Alloy
- Industrial Quality Ball Bearings and Needle Bearings
- Solid Ceramic Plungers
- Stainless Steel Check Valves
- Heavy Duty Flat Base High Pressure Seals
- Dual Oil Sight Gauges
- 10.25 oz. Capacity Vented Oil Bath Crank Case
- 3/8" BSP-F Inlet. 3/8" BSP-F Outlet
- Max Fluid Temp, 160°F

PND Series Hydraulic Drive Assemblies

PND Series standard duty hydraulic drive plunger pump assemblies include models with flow rates from 3.0 to 4.0 GPM and pressures up to 2030 PSI.

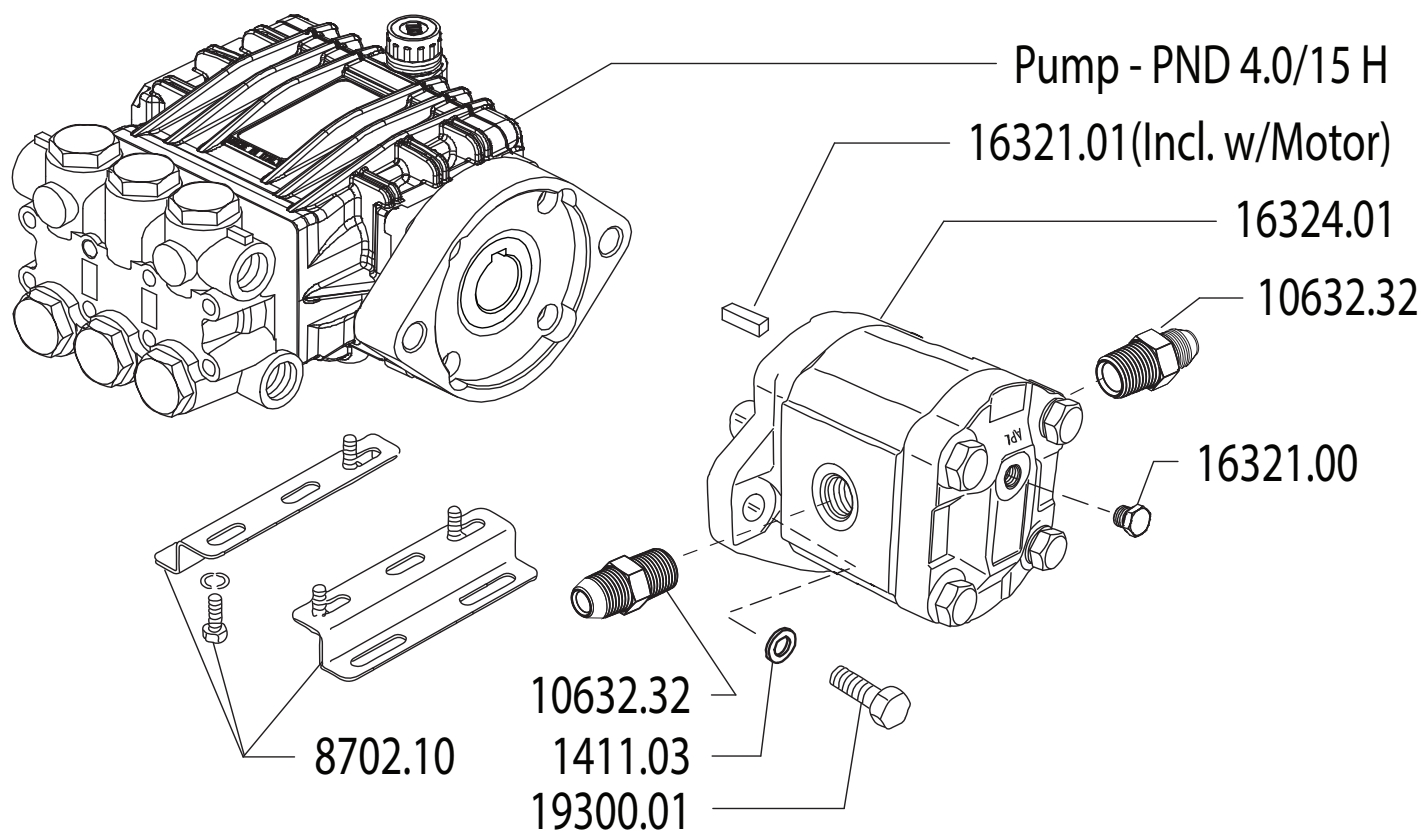
Applications include general pressure cleaning, sewer jetting, vehicle wash equipment and fire fighting applications.

	Model	GPM	l/min	PSI	bar	Hydraulic Requirements	Weight
1750 RPM	PND 3.0/20 ZH	3.0	11.4	2000	140	5.0 GPM @ 2200 PSI	24 lbs
	PND 4.0/15 ZH	4.0	15.0	1500	100	5.0 GPM @ 2200 PSI	24 lbs



MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

4.0 GPM / 15.0 L/MIN
1500 PSI / 100 BAR
1750 RPM
5.4 HP ELECTRIC
10.25 OZ UDOR LUBE



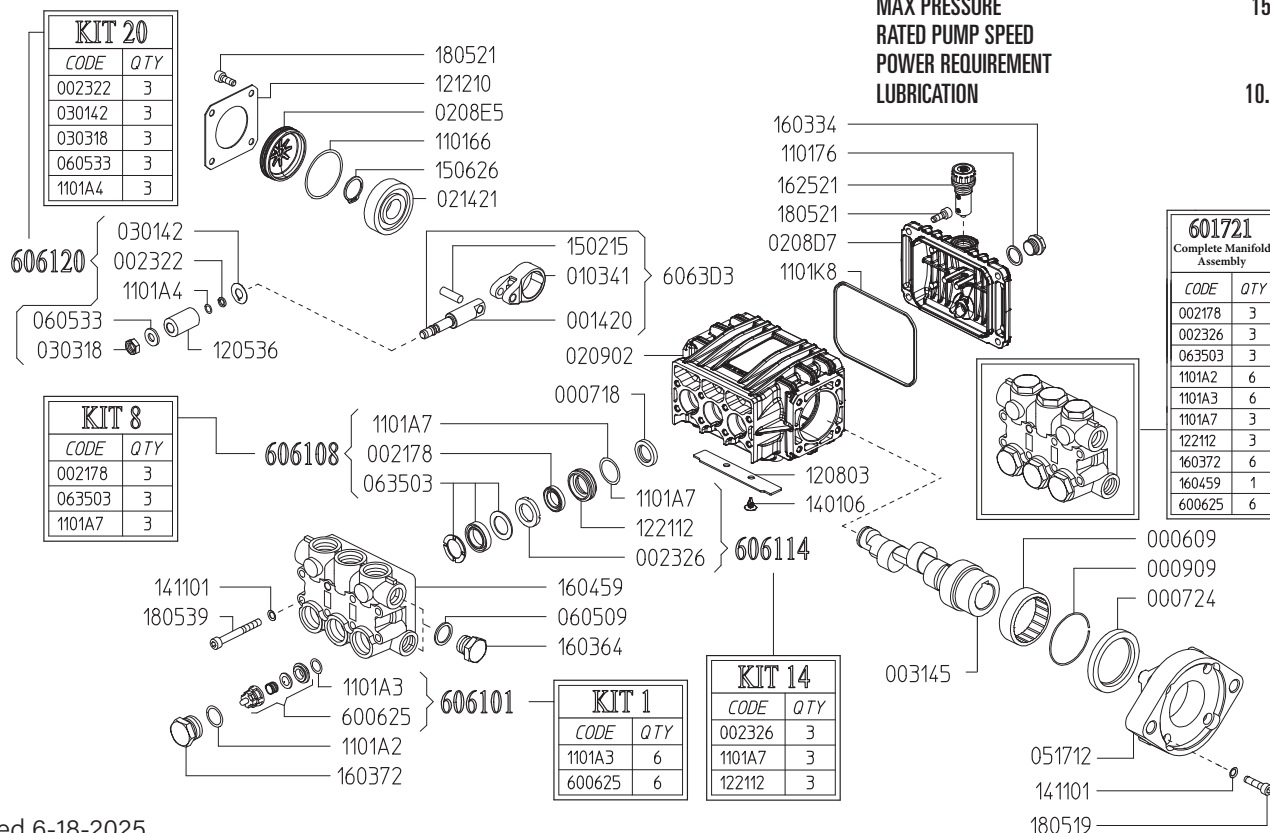
Revised 6-18-2025

Part #	Description	Qty
1411.03	WASHER - D10	2
8702.10	RAIL KIT WITH BOLTS/WASHERS	1
10632.32	HYDRAULIC FITTING	2
16321.00	CASE DRAIN PLUG - #4 ORB	1
16321.01	KEY - 5/32" X 6/32" X 1/2"	1

Part #	Description	Qty
16322.01	HYDRAULIC MOTOR REPAIR KIT	-
16324.01	HYDRAULIC MOTOR - PN	1
19300.01	HEX BOLT - 7/16-14X1	2
PND4015H	PUMP - 4.0 GPM @ 1500 PSI	1

MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

4.0 GPM / 15.0 L/MIN
1500 PSI / 100 BAR
1750 RPM
5.4 HP ELECTRIC
10.25 OZ UDOR LUBE



Revised 6-18-2025

Part #	Description	Qty
0006.09	BUSHING D45	1
0007.18	OIL SEAL D15X24X5	3
0007.24	OIL SEAL D40X52X7	1
0009.09	ELASTIC RING D52X2.5	1
0014.20	PLUNGER GUIDE D15/18 "PN"	3
0021.78	WATER SEAL LP. D15 ^{BE}	3
0023.22	RING D6.3X9X1.3 2021 "PN/C/G" ^{CE}	3
0023.26	INTERMEDIATE RING D18 "PN" ^{CE}	3
0031.45	HOLLOW SHAFT "PN" D5/8" ECC=6.25	1
0103.41	CONNECTING ROD "PN/PS"	3
0208.D7	BACK COVER "PN"	1
0208.E5	COVER "PN"	1
0209.02	CRANKCASE "PN/PS"	1
0214.21	BALL BEARING D20X52X15	1
0301.42	SLINGER RING "PN/PK/PKWT/PS" ^D	3
0303.18	NUT "PN/PK/PKWT/PS M8XH5 ^D	3
0517.12	MOTOR FLANGE "PN" HYD	1
0605.09	GASKET D17X23X1.5 (G3/8)	1
0605.33	GASKET D8X14X2 ^D	3
0635.03	HIGH PRESS. SEAL ASSY D15 ^{BE}	3
1101.66	O-RING - BEARING COVER	1
1101.76	O-RING - OIL PLUG	1
1101.A2	O-RING - VALVE CAP ^{AE}	6
1101.A3	O-RING - VALVE ^{AE}	6
1101.A4	O-RING - PLUNGER ^D	3
1101.A7	O-RING - LP SEAL RETAINER ^{BCE}	3
1101.K8	O-RING - BACK COVER	1

Part #	Description	Qty
1205.36	CERAMIC PLUNGER D15X30 "PN"	3
1208.03	COVER - PN 2024	1
1212.10	METAL COVER "PN"	1
1221.12	LOW PRESS. SEAL RETAINER D18 ^{CE}	3
1401.06	RIVET M6X10	2
1411.01	SERATED WASHER D6	12
1502.15	PIN D7X25.5	3
1506.26	SNAP RING D20	1
1603.34	PLUG G1/4	1
1603.64	PLUG G3/8	1
1603.69	OIL PLUG G1/4+GASKET	1
1603.72	VALVE PLUG "PN" PISTON D15/18 ^{AE}	6
1604.59	HEAD "PN" PISTON D15/18 ^E	1
1625.21	OIL PLUG G3/8 "PN"	1
1805.19	ALLEN BOLT M6X22	4
1805.21	ALLEN BOLT M6X22	8
1805.39	ALLEN BOLT M6X60	8
6006.25	VALVE ASSY "PN" W/O O-RING ^{AE}	6
6017.21	COMPLETE MANIFOLD ASSEMBLY	1
6061.01	KIT 1 - VALVE KIT "PN/PW"	1
6061.08	KIT 8 - WATER SEAL KIT D18 "PN"	1
6061.14	KIT 14 - BRASS RING KIT D18 "PN"	1
6061.20	Kit 20 - PLUNGER KIT D15/18 "PN"	1

^A Parts in 6061.01 (Kit 1)

^B Parts in 6061.04 (Kit 8)

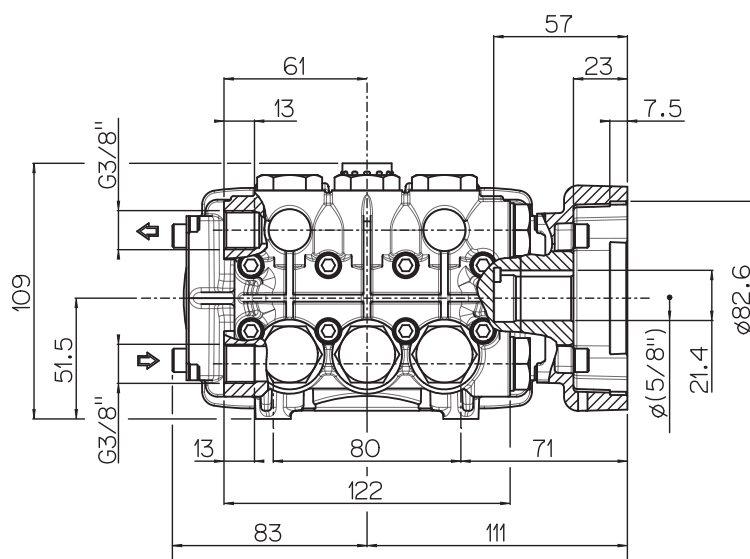
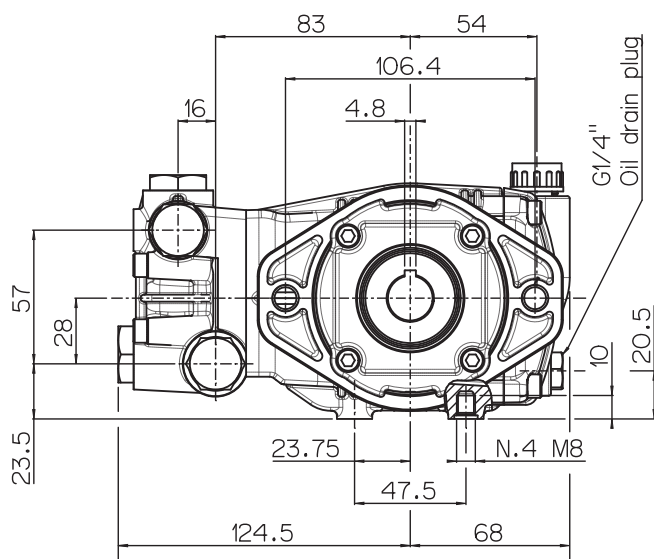
^C Parts in 6061.14 (Kit 14)

^D Parts in 6061.20 (Kit 20)

^E Parts in 6017.21 (Complete Manifold Assembly)

*Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937*

PN SERIES PUMPS - HYDRAULIC MOTOR FLANGE



TORQUE SPECS

Ref.	Description	Ft./lb.	Nm	Loctite®
1	Head Bolts	8	11	-
2	Valve Caps	75	100	243
3	Inlet Cap	60	80	-
4	Outlet Cap	60	80	243
5	Bearing Flange Bolts	8	11	-
6	Rear Cover Bolts	8	11	-
7	Connecting Rod Bolts	-	-	-
8	Plunger Bolts	11	15	270
9	Valve Cover Bolts	-	-	-
10	Oil Drain Plug	6	8	-

