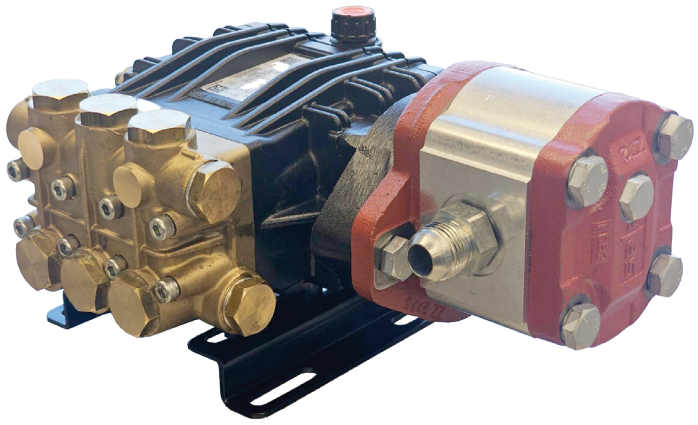
PND SERIES

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

UDOR USA
World Leader in Diaphragm and Plunger Pumps

6180 140th Avenue NW
Ramsey, MN 55303

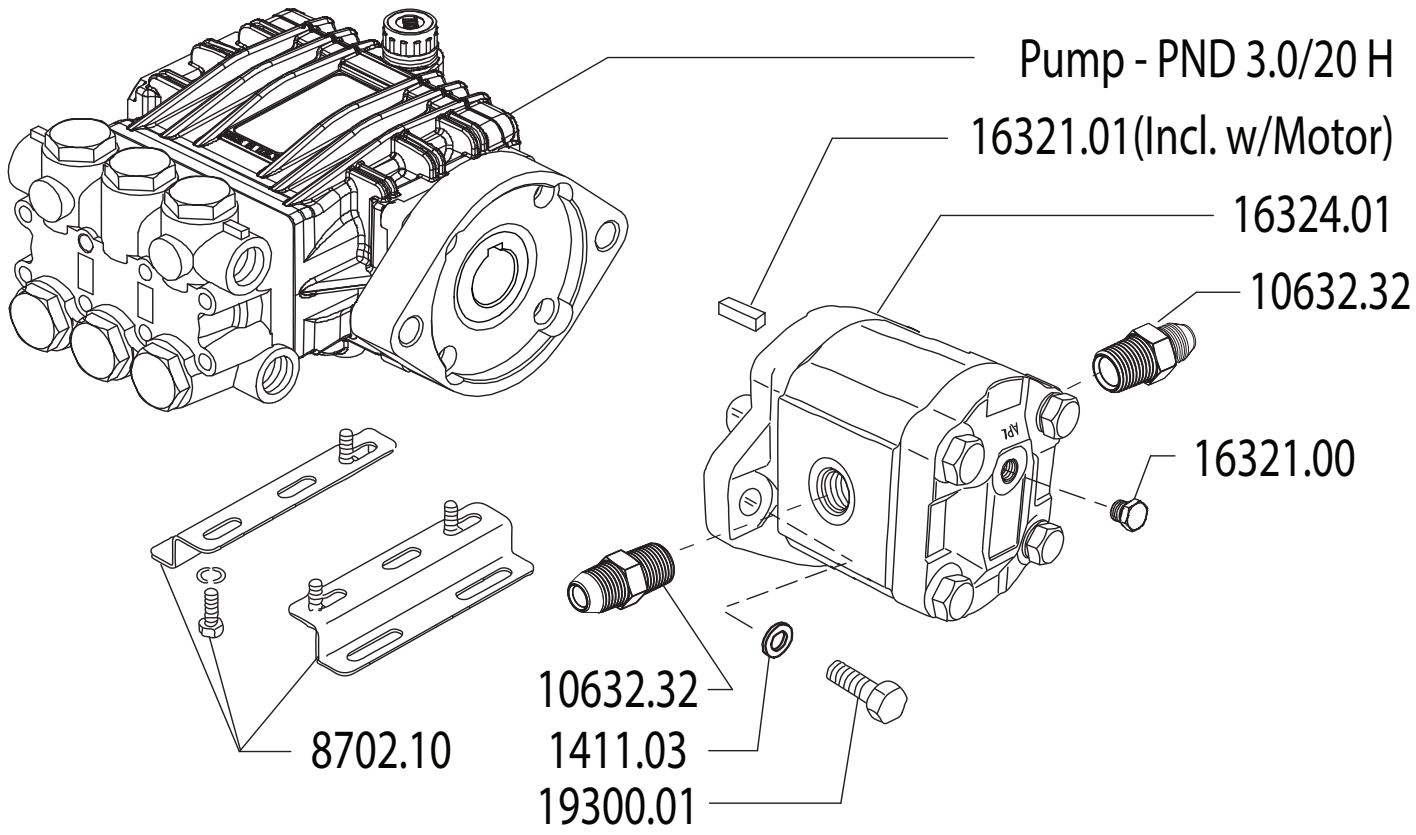
Ph: 651-785-0666
Fax: 800-732-2670

www.udorusa.com
sales@udorusa.com

Scan this QR Code for More Information

Hydraulic Drive Assembly PND 3.0/20 ZH

MAX FLOW	3.0 GPM / 11.4 L/MIN
MAX PRESSURE	2000 PSI / 140 BAR
RATED PUMP SPEED	1750 RPM
POWER REQUIREMENT	4.1 HP ELECTRIC
LUBRICATION	10.25 OZ UDOR LUBE



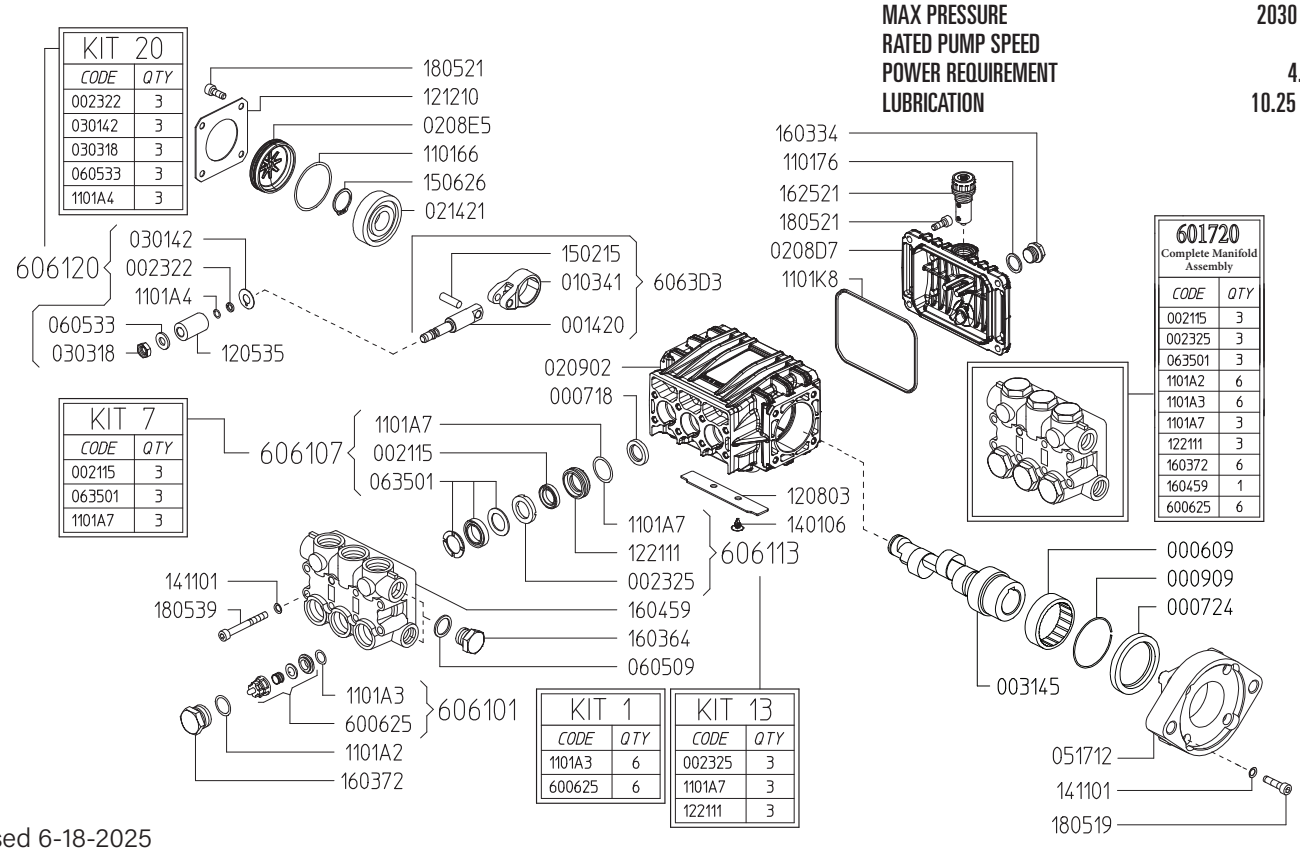
Revised 6-18-2025

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
PND3020H	PUMP - 3.0 GPM @ 2000 PSI	1

PND 3.0/20 H

MAX FLOW	3.0 GPM / 11.4 L/MIN
MAX PRESSURE	2030 PSI / 140 BAR
RATED PUMP SPEED	1750 RPM
POWER REQUIREMENT	4.1 HP ELECTRIC
LUBRICATION	10.25 OZ UDOR LUBE



Revised 6-18-2025

Part #	Description	Qty
0006.09	BUSHING D45X52X16 HK45-16	1
0007.18	OIL SEAL D15X24X4	3
0007.24	OIL SEAL D40X52X7	1
0009.09	ELASTIC RING D52X2.5	1
0014.20	PLUNGER GUIDE D15/18 "PN"	3
0021.15	WATER SEAL LP. D15 [B E]	3
0023.22	RING D6.3X9X1.3 2021 "PN/C/G" [C E]	3
0023.25	INTERMEDIATE RING D15 "PN"	3
0031.45	HOLLOW SHAFT "PN" D5/8"	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	ENGINE FLANGE "PN" HYD	1
0605.09	GASKET D17X23X1.5 (G3/8)	1
0605.33	GASKET D8X14X2 [D]	3
0635.01	HIGH PRESS. SEAL ASSY D15 [B E]	3
1101.66	O-RING - BEARING COVER	1
1101.76	O-RING - OIL PLUG	1
1101.A2	O-RING - VALVE CAP [E]	6
1101.A3	O-RING - VALVE [A E]	6
1101.A4	O-RING - PLUNGER [D]	3
1101.A7	O-RING - LP SEAL RETAINER [B C E]	3
1101.K8	O-RING - BACK COVER	1

Part #	Description	Qty
1205.35	CERAMIC PLUNGER D15X30 "PN"	3
1208.03	COVER - PN 2024	1
1212.10	METAL COVER "PN"	1
1221.11	LOW PRESS. SEAL RETAINER D15 [C E]	3
1401.06	RIVED D4X10	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 [A]	3
1604.59	HEAD "PN" PISTON D15/18	1
1625.21	OIL PLUG G3/8 "PN"	1
1805.19	ALLEN BOLT M6X25	4
1805.21	ALLEN BOLT M6X22	8
1805.39	ALLEN BOLT M6X60	8
6006.25	VALVE ASSY "PN" W/O O-RING [A E]	6
6017.20	COMPLETE MANIFOLD ASSEMBLY	1
6061.01	KIT 1 - VALVE KIT "PN/PW"	1
6061.07	KIT 7 - WATER SEAL KIT D15 "PN/PK"	1
6061.13	KIT 13 - BRASS RING KIT D15 "PN"	1
6061.20	Kit 20 - PLUNGER KIT D15/18 "PN"	1

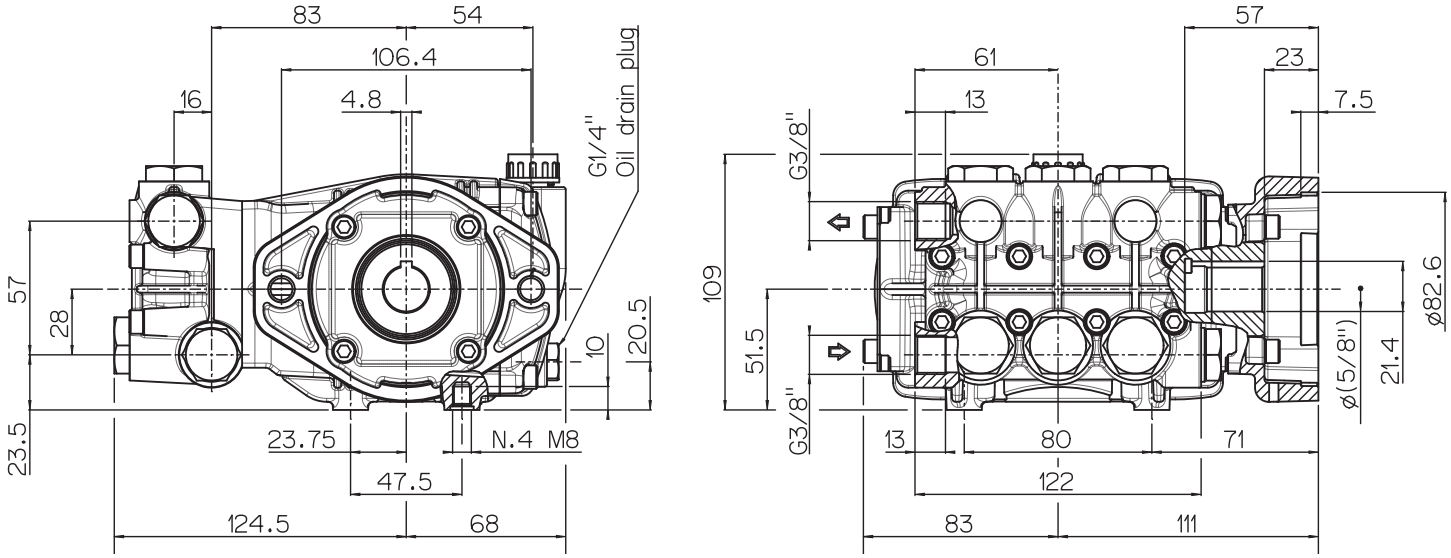
[A] Parts in 6061.01 (Kit 1).
[B] Parts in 6061.07 (Kit 7).
[C] Parts in 6061.13 (Kit 13).
[D] Parts in 6061.20 (Kit 20).
[E] Parts in 6017.20 (Complete Manifold Assembly).

PN SERIES DIMENSIONS

WEIGHT	14 LBS
LUBRICATION	10.25 OZ UDOR LUBE

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	-

