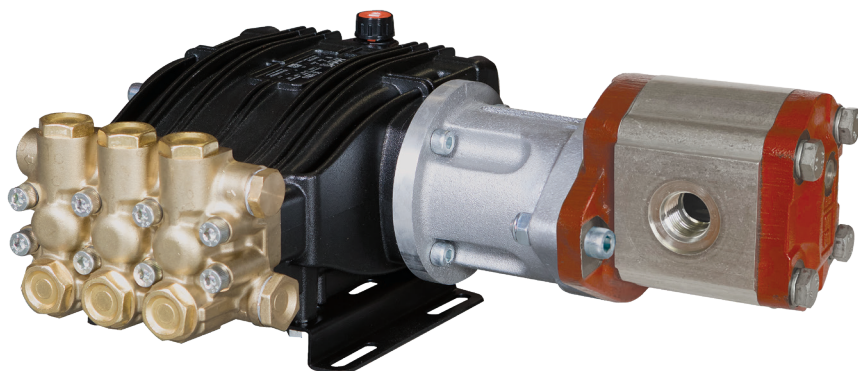


Hydraulic Drive Assemblies

Pump, Hydraulic Motor, Mounting Rails
1750 RPM



- Brass Manifold
- Heat Treated Crankshaft
- Stainless Steel Piston Guides
- High Strength Aluminum Alloy Connecting Rods
- Industrial Quality Tapered Roller Bearings
- Solid Ceramic Plungers
- Stainless Steel Check Valves
- Heavy Duty Flat Base High Pressure Seals
- Replaceable PTFE Coated Body Guides
- 15.4 oz. Capacity Vented Oil Bath Crank Case
- 1/2" BSP-F Inlet. 3/8" BSP-F Outlet
- Max Fluid Temp, 160°F

BD Series Hydraulic Drive Assemblies

BD Series standard duty hydraulic drive plunger pump assemblies include models with flow rates from 4.0 to 5.0 GPM and pressures up to 2900 PSI.

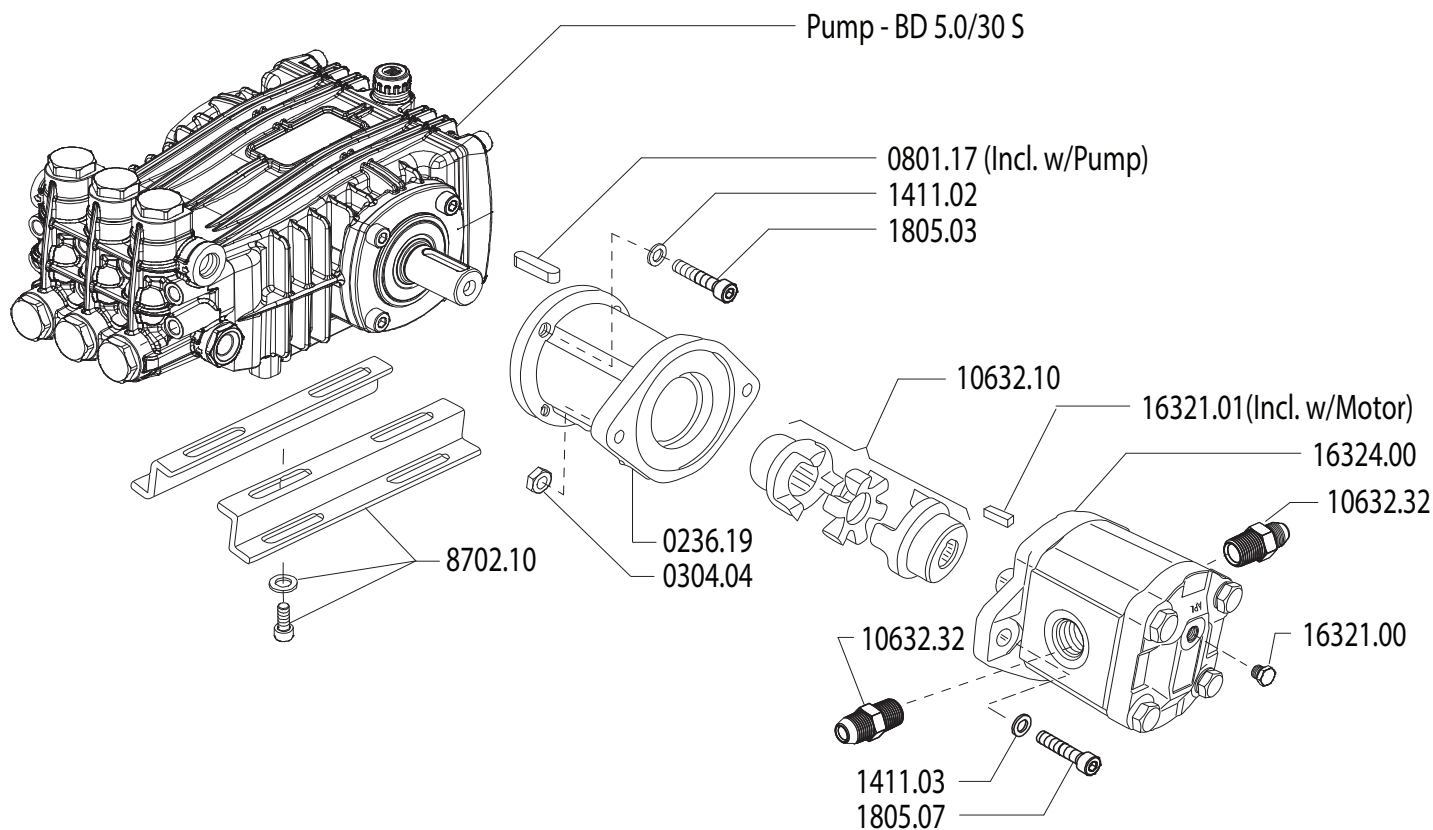
Applications include general pressure cleaning, sewer jetting, vehicle wash equipment and fire fighting applications.

	Model	GPM	l/min	PSI	bar	Hydraulic Requirements	Weight
1750 RPM	BD 4.0/30 SH	4.0	15	3000	200	12.0 GPM @ 1500 PSI	36 lbs
	BD 5.0/25 SH	5.0	19	2500	170	12.0 GPM @ 1500 PSI	36 lbs
1750 RPM	BD 4.0/30 SHK	B Series Hydraulic Drive Plunger Pump with hydraulic gear motor, mounting rails, unloader, 1" hose barb inlet, thermal relief valve, safety pop-off valve and 14" x 20" base with rubber bumpers.					65 lbs
	BD 5.0/25 SHK						65 lbs



MAX FLOW
 MAX PRESSURE
 RATED PUMP SPEED
 HYDRAULIC REQUIREMENT
 LUBRICATION

4.8 GPM / 18.2 L/MIN
 2500 PSI / 170 BAR
 1750 RPM
 12.0 GPM / 1500 PSI
 15.4 OZ UDOR LUBE



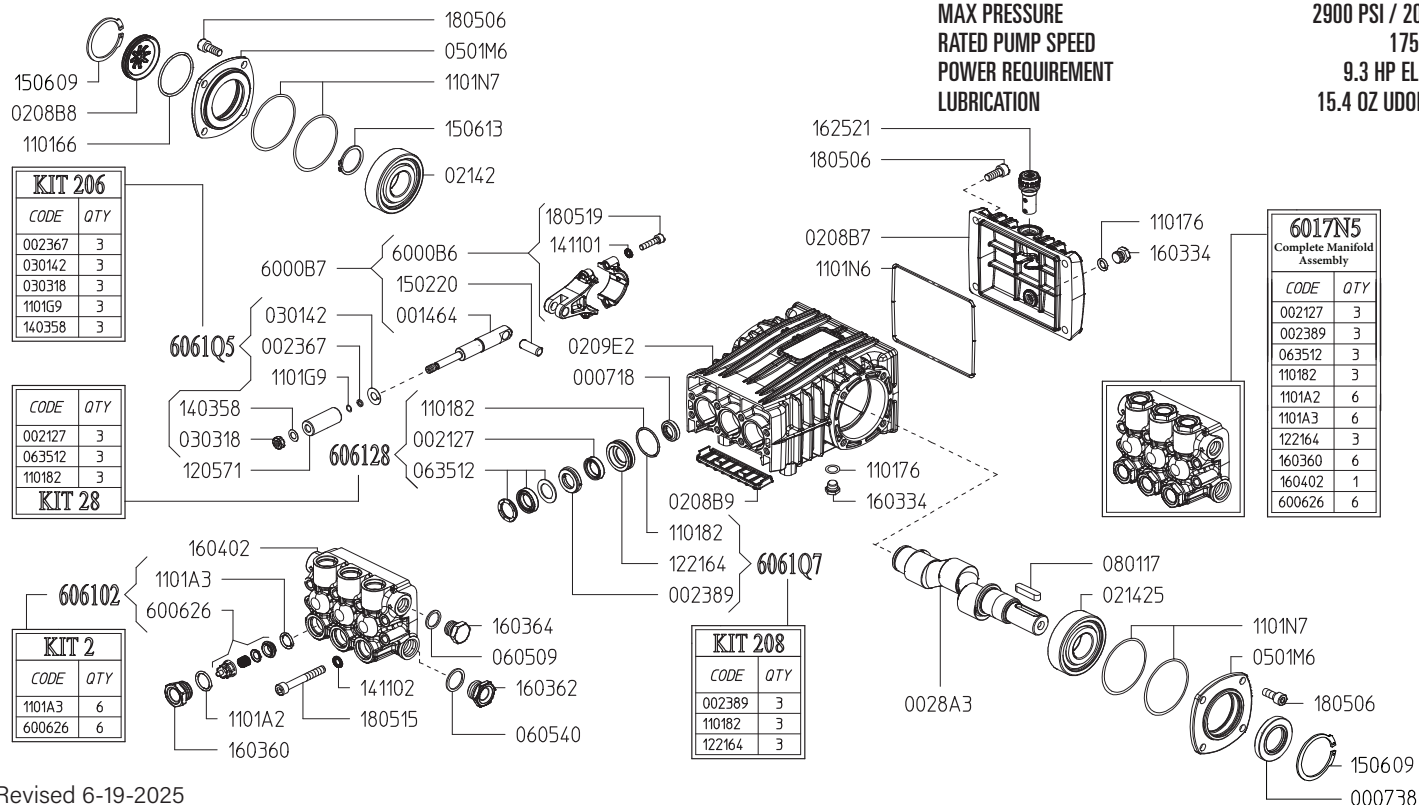
Revised 6-19-2025

Part #	Description	Qty
0236.19	ADAPTER HYDRAULIC MOTOR	1
0304.04	NUT - M10	2
1411.02	WASHER - D8	4
1411.03	WASHER - D10	2
1805.03	ALLEN BOLT M8 1.25x30	4
1805.07	ALLEN BOLT M10 1.5x40	2
8702.10	RAIL KIT WITH BOLTS/WASHERS	1

Part #	Description	Qty
10632.10	COUPLER 24MMX3/4	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
16322.01	HYDRAULIC MOTOR REPAIR KIT	-
16324.00	HYDRAULIC MOTOR - B/C	1
BD5030S	PUMP - BD 5.0/30 S, 4.8 GPM @ 2900 PSI	1

MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

4.8 GPM / 18.2 L/MIN
2900 PSI / 200 BAR
1750 RPM
9.3 HP ELECTRIC
15.4 OZ UDOR LUBE



Revised 6-19-2025

Part #	Description	Qty	Part #	Description	Qty
0007.18	OIL SEAL D15X24X5	3	1221.64	PRESSURE RING D18 "B/BK" ^{D E}	3
0007.38	OIL SEAL D30	1	1403.58	WASHER D8 ^C	3
0014.64	PLUNGER GUIDE "B/BK"	3	1411.01	SERATED WASHER D6	6
0021.27	WATER SEAL LP D18 ^{B E}	3	1411.02	SERATED WASHER D8	8
0023.67	RING D5.2X8X1.3 ^C	3	1502.20	PIN D10X27	3
0023.89	UPPER RING D18 "B/BK" ^{D E}	3	1506.09	SNAP RING D52	2
0028.A3	MALE SHAFT "B/BK" D24	1	1506.13	SNAP RING D30	1
0208.B7	BACK COVER "B/BK"	1	1603.34	PLUG G1/4	2
0208.B8	OIL SIGHT GLASS	1	1603.60	VALVE PLUG D15/18/20 ^E	6
0208.B9	COVER "B/BK"	1	1603.62	PLUG G1/2	1
0209.E2	CRANKCASE "B-X/BK-X"	1	1603.64	PLUG G3/8	1
0214.25	BEARING D30	2	1604.02	HEAD "B-X" ^E	1
0301.42	SLINGER RING ^C	3	1625.21	OIL PLUG G3/8	1
0303.18	NUT M8XH5 ^C	3	1805.06	ALLEN BOLT M8X20	12
0501.M6	BEARING FLANGE "B/BK"	2	1805.15	ALLEN BOLT M8X60	8
0605.09	GASKET D17X23X1.5	1	1805.19	ALLEN BOLT M6X25	6
0605.40	GASKET D21.5X27X1.5	1	6000.B6	ROD ASSEMBLY "B/BK"	3
0635.12	HIGH PRESSURE SEAL KIT D18 ^{B E}	3	6006.26	VALVE ASSEMBLY WITHOUT O-RING ^{A E}	6
0801.17	KEY A8X7X35	1	6017.N5	COMPLETE MANIFOLD ASSEMBLY	1
1101.66	O-RING - OIL SIGHT GLASS	1	6061.02	KIT 2 - VALVE KIT "PK/M/B"	1
1101.76	O-RING - PLUG	2	6061.28	KIT 28 - WATER SEAL KIT	1
1101.82	O-RING - PRESSURE RING ^{B D E}	3	6061.Q5	KIT 206 - PLUNGER KIT D15/18 "B/BK"	1
1101.A2	O-RING - VALVE PLUG ^E	6	6061.Q7	KIT 208 - BRASS RING KIT D18 "B/BK"	1
1101.A3	O-RING - VALVE ^{A E}	6			
1101.G9	O-RING - PLUNGER ROD ^C	3			
1101.N6	O-RING - BACK COVER	1			
1101.N7	O-RING - BEARING FLANGE	4			
1205.71	CERAMIC PLUNGER D18 "B/BK"	3			

^A Parts in 6061.02 (Kit 2).

^B Parts in 6061.28 (Kit 28).

^C Parts in 6061.Q5 (Kit 206).

^D Parts in 6061.Q7 (Kit 208).

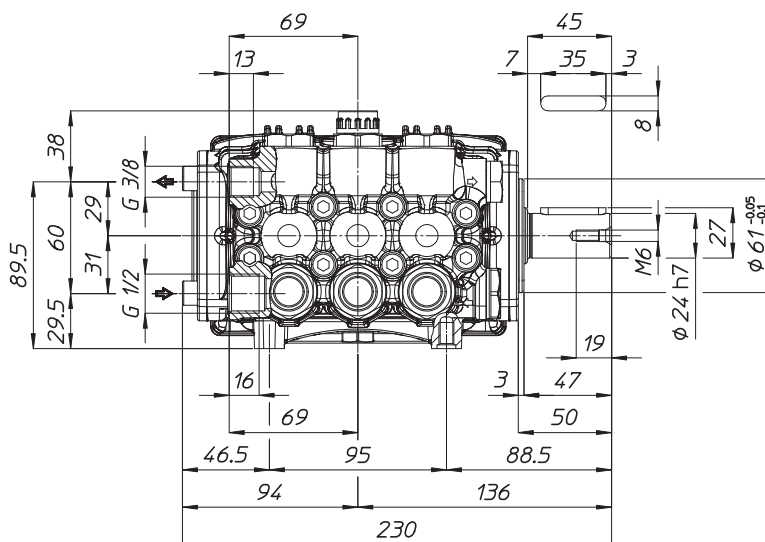
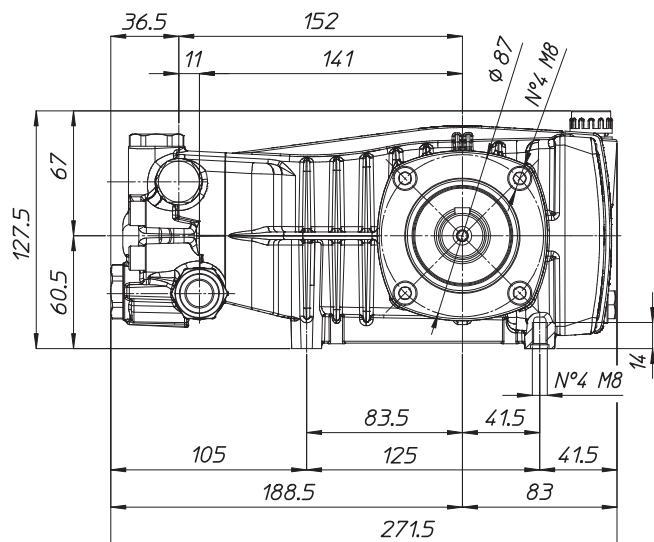
^E Parts in 6017.N5 (Complete Manifold Assembly).

WEIGHT LUBRICATION

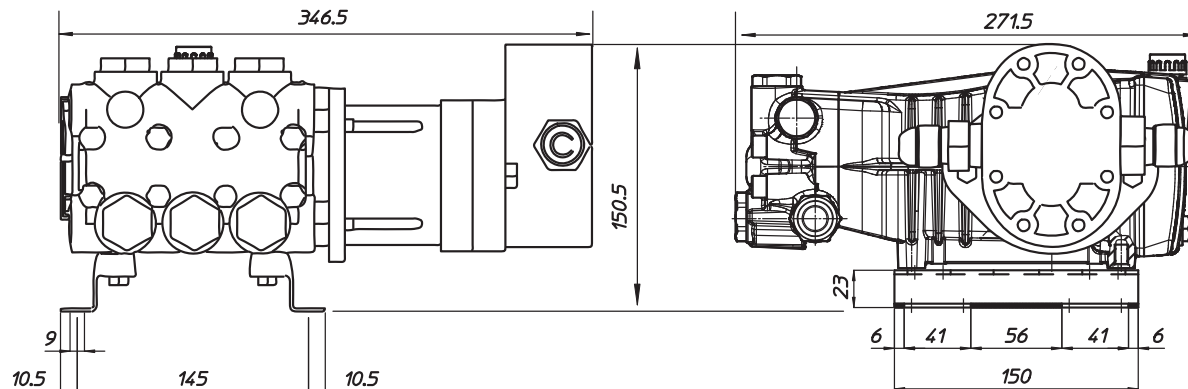
20 LBS
15.4 OZ UDOR LUBE

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

B SERIES PUMPS - 24MM SOLID SHAFT



B SERIES HYDRAULIC DRIVE PUMP ASSEMBLY



TORQUE SPECS

Ref.	Description	Ft./lb.	Nm	Loctite®
1	Head Bolts	19	25	-
2	Valve Caps	75	100	243
3	Inlet Cap	75	100	243
4	Outlet Cap	60	80	243
5	Bearing Flange Bolts	19	25	-
6	Rear Cover Bolts	19	25	-
7	Connecting Rod Bolts	9	11	243
8	Plunger Bolts	11	15	270
9	Valve Cover Bolts	-	-	-
10	Oil Drain Plug	19	25	-

