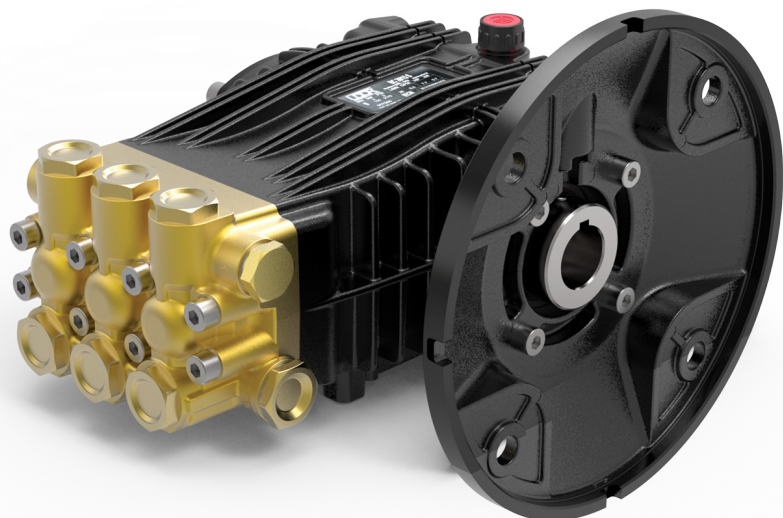


## Direct Drive, Electric Flange Models

1-1/8" Hollow Shaft with NEMA 182/184 TC Mounting Flange  
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 Direct Drive, Electric Motor Flange Plunger Pumps

BD Series standard duty plunger pumps include a wide range of models with flow rates from 4.1 to 5.0 GPM and pressures up to 2900 PSI.

Other drive options include 24mm solid shaft, gas engine flange,, gas engine gear reduction and hydraulic motor flange.

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

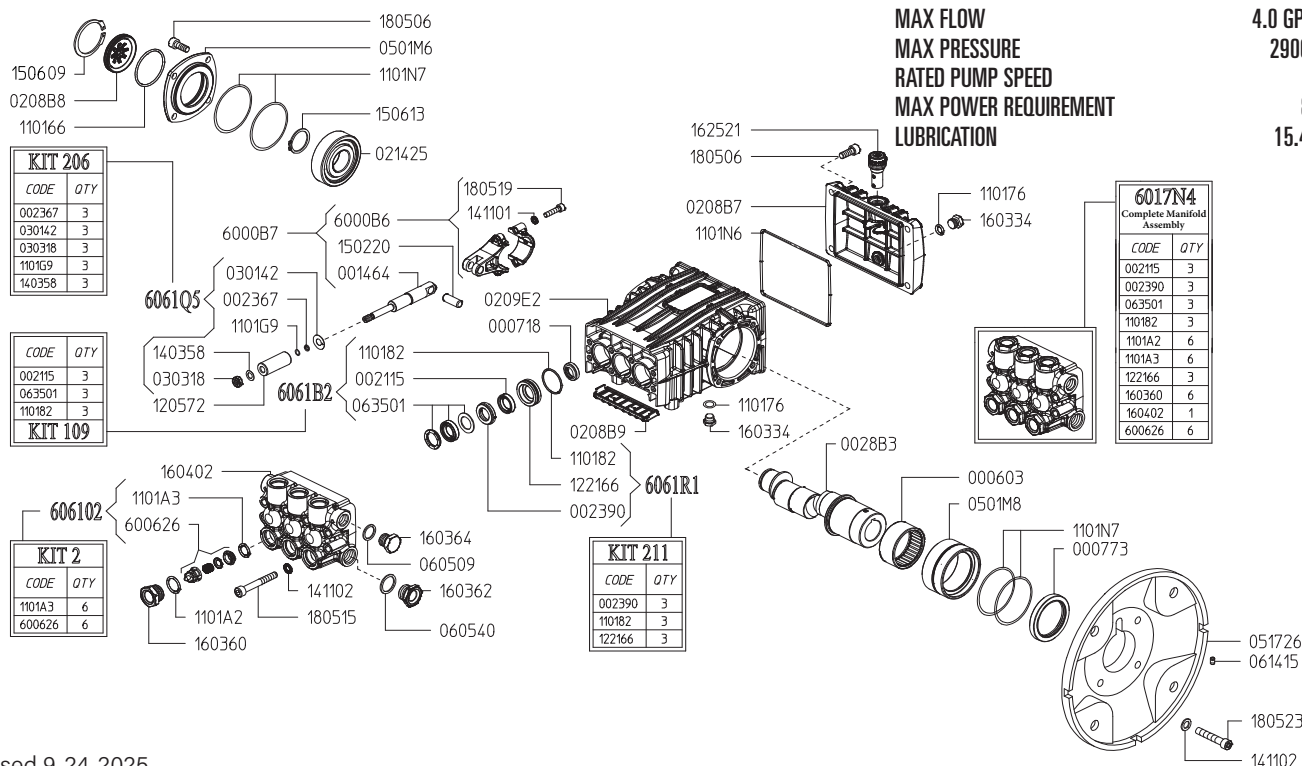
|          | Model                 | Flow |       | Pressure |     | Plunger Dia. | Crankshaft |      | Power    | Seal Kit | Valve Kit | Wt.    |
|----------|-----------------------|------|-------|----------|-----|--------------|------------|------|----------|----------|-----------|--------|
|          |                       | GPM  | l/min | PSI      | bar |              | Stroke     | Code |          |          |           |        |
| 1750 RPM | BD 4.0/20 U           | 4.1  | 15.5  | 2030     | 140 | 15mm         | 18.0mm     | 9    | 5.6 EBHP | 6061.B2  | 6061.02   | 23 lbs |
|          | BD 4.0/30 U           | 4.1  | 15.5  | 2900     | 200 | 15mm         | 18.0mm     | 9    | 7.9 EBHP | 6061.B2  | 6061.02   | 23 lbs |
|          | <b>BD 40 / BD 40L</b> | 4.0  | 15.0  | 2900     | 200 | 15mm         | 18.0mm     | 9    | 8.0 EBHP | 6061.B2  | 6061.02   | 23 lbs |
|          | BD 5.0/30 U           | 5.0  | 19.0  | 2900     | 200 | 18mm         | 15.0mm     | V    | 9.7 EBHP | 6061.28  | 6061.02   | 23 lbs |

NOTE: All pump models available with left-hand drive option. Add 'L' to model number when ordering (ex. BD 5.0/30 UL)



MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
MAX POWER REQUIREMENT  
LUBRICATION

4.0 GPM / 15.0 L/MIN  
2900 PSI / 200 BAR  
1750 RPM  
8.0 HP ELECTRIC  
15.4 OZ UDOR LUBE



Revised 9-24-2025

| Part #  | Description                               | Qty | Part #  | Description                                  | Qty |
|---------|-------------------------------------------|-----|---------|----------------------------------------------|-----|
| 0006.03 | BUSHING D50                               | 1   | 1205.72 | CERAMIC PLUNGER D15 "B/BK"                   | 3   |
| 0007.18 | OIL SEAL D15X24X5                         | 3   | 1221.66 | PRESSURE RING D15 "B/BK" <sup>D E</sup>      | 3   |
| 0007.73 | OIL SEAL D50                              | 1   | 1403.58 | WASHER D8 <sup>C</sup>                       | 3   |
| 0014.64 | PLUNGER GUIDE "B/BK"                      | 3   | 1411.01 | SERATED WASHER D6                            | 6   |
| 0021.15 | WATER SEAL LP D15X22X5.7 <sup>B E</sup>   | 3   | 1411.02 | SERATED WASHER D8                            | 12  |
| 0023.67 | RING D5.2X8X1.3 <sup>C</sup>              | 3   | 1502.20 | PIN D10X27                                   | 3   |
| 0023.90 | UPPER RING D15 "B/BK" <sup>D E</sup>      | 3   | 1506.09 | SNAP RING D52                                | 1   |
| 0028.B3 | HOLLOW SHAFT "B/BK" D1-1/8"               | 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 <sup>E</sup>            | 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                               | 1   | 1604.02 | HEAD "B-X" <sup>E</sup>                      | 1   |
| 0301.42 | SLINGER RING <sup>C</sup>                 | 3   | 1625.21 | OIL PLUG G3/8                                | 1   |
| 0303.18 | NUT M8XH5 <sup>C</sup>                    | 3   | 1805.06 | ALLEN BOLT M8X20                             | 8   |
| 0501.M6 | BEARING FLANGE "B/BK"                     | 1   | 1805.15 | ALLEN BOLT M8X60                             | 8   |
| 0501.M8 | BEARING FLANGE "B/BK"                     | 1   | 1805.19 | ALLEN BOLT M6X25                             | 6   |
| 0517.26 | MOTOR FLANGE "B/BK" NEMA 182/184          | 1   | 1805.23 | ALLEN BOLT M8X40                             | 4   |
| 0605.09 | GASKET D17X23X1.5                         | 1   | 6000.B6 | ROD ASSEMBLY "B/BK"                          | 3   |
| 0605.40 | GASKET D21.5X27X1.5                       | 1   | 6006.26 | VALVE ASSEMBLY WITHOUT O-RING <sup>A E</sup> | 6   |
| 0614.15 | SET SCREW M5X8                            | 1   | 6017.N4 | COMPLETE MANIFOLD ASSEMBLY                   | 1   |
| 0635.01 | HIGH PRESSURE SEAL KIT D15 <sup>B E</sup> | 3   | 6061.02 | KIT 2 - VALVE KIT "PK/M/B"                   | 1   |
| 1101.66 | O-RING - OIL SIGHT GLASS                  | 1   | 6061.B2 | KIT 109 - WATER SEAL KIT                     | 1   |
| 1101.76 | O-RING - PLUG                             | 2   | 6061.Q5 | KIT 206 - PLUNGER KIT D15/18 "B/BK"          | 1   |
| 1101.82 | O-RING - PRESSURE RING <sup>B D E</sup>   | 3   | 6061.R1 | KIT 211 - BRASS RING KIT D15 "B/BK"          | 1   |
| 1101.A2 | O-RING - VALVE PLUG <sup>E</sup>          | 6   |         |                                              |     |
| 1101.A3 | O-RING - VALVE <sup>A E</sup>             | 6   |         |                                              |     |
| 1101.G9 | O-RING - PLUNGER ROD <sup>C</sup>         | 3   |         |                                              |     |
| 1101.N6 | O-RING - BACK COVER                       | 1   |         |                                              |     |
| 1101.N7 | O-RING - BEARING FLANGE                   | 4   |         |                                              |     |

<sup>A</sup> Parts in 6061.02 (Kit 2).

<sup>B</sup> Parts in 6061.B2 (Kit 109).

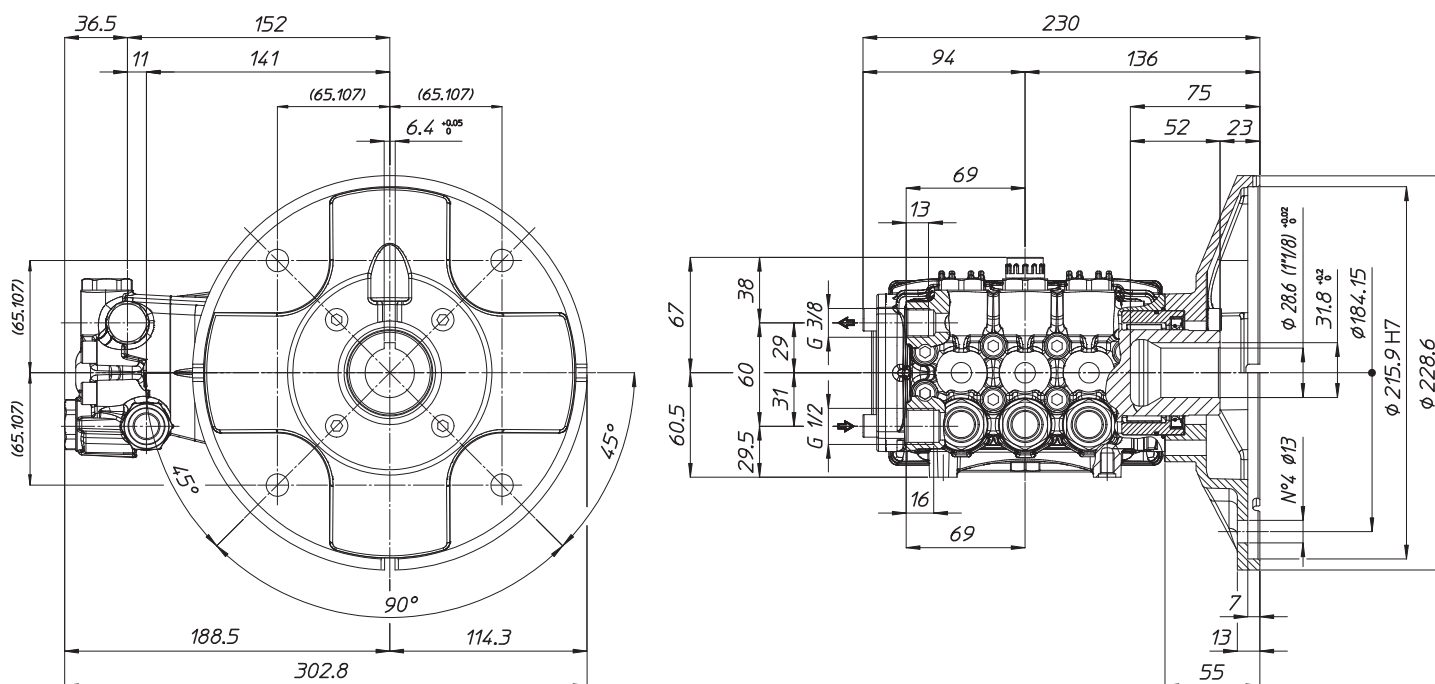
<sup>C</sup> Parts in 6061.Q5 (Kit 206).

<sup>D</sup> Parts in 6061.R1 (Kit 211).

<sup>E</sup> Parts in 6017.N4 (Complete Manifold Assembly).

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

## B SERIES PUMPS - 1-1/8" HOLLOW SHAFT w/ 182/184 FLANGE



## 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  | -        |

