



- Heavy Duty Brass Manifold
- Solid Ceramic Plungers
- Stainless Steel Plunger Rods and Check Valves
- Replaceable PTFE Coated Body Guides
- Heavy Duty Bronze Connecting Rods with Guide Pins for Perfect Cap Alignment.
- Heavy Duty Flat Base High Pressure Seals
- Dual Roller Bearings
- 118 oz. Oil Capacity
- 1" BSP-F Inlet. 1/2" BSP-F Outlet
- Max Fluid Temp, 160°F

### PENTA Series Plunger Pumps

PENTA Series industrial duty plunger pumps are rated at 6.6 to 18.8 GPM and pressures up to 5800 PSI.

Pumps are available in 1000, 1450 or 1750 RPM models with a 35mm solid, keyed shaft.

Applications include general pressure washing, sewer jetting and oil field equipment.

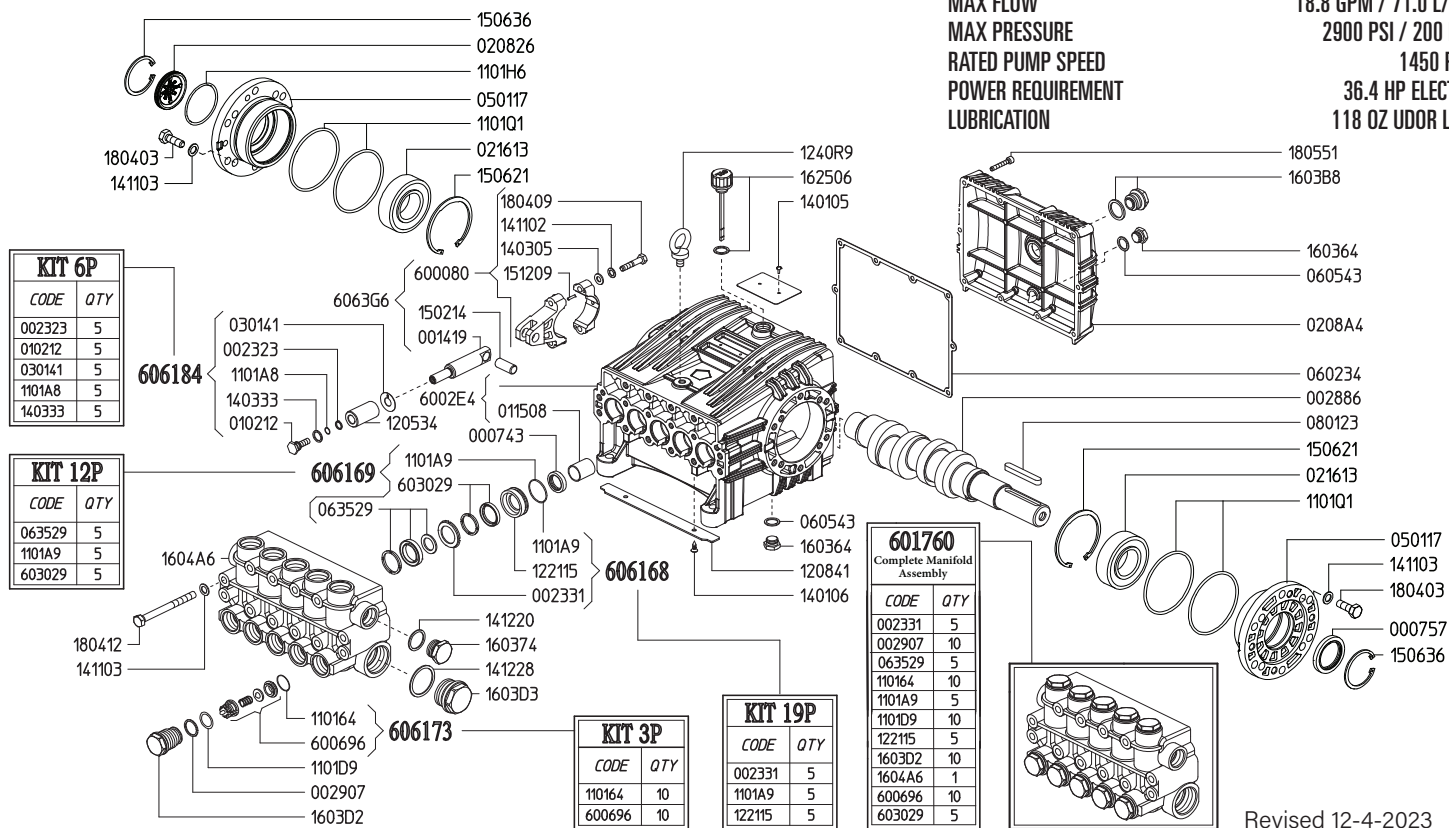
|          | Model             | Flow |       | Pressure |     | Plunger Dia. | Crankshaft |      | Power     | Seal Kit | Valve Kit | Wt.    |
|----------|-------------------|------|-------|----------|-----|--------------|------------|------|-----------|----------|-----------|--------|
|          |                   | GPM  | l/min | PSI      | bar |              | Stroke     | Code |           |          |           |        |
| 1000 RPM | PENTA-B 25/400 R  | 6.6  | 25.0  | 5800     | 400 | 20mm         | 17.0mm     | X    | 25.6 EBHP | 6061.81  | 6061.79   | 97 lbs |
|          | PENTA-B 30/300 R  | 7.9  | 30.0  | 4350     | 300 | 22mm         | 17.0mm     | X    | 23.1 EBHP | 6061.76  | 6061.73   | 97 lbs |
|          | PENTA-B 40/300 R  | 10.6 | 40.0  | 4350     | 300 | 22mm         | 22.0mm     | 1    | 30.7 EBHP | 6061.76  | 6061.73   | 97 lbs |
|          | PENTA-B 50/200 R  | 12.9 | 49.0  | 2900     | 200 | 28mm         | 17.0mm     | X    | 25.1 EBHP | 6061.69  | 6061.73   | 97 lbs |
| 1450 RPM | PENTA-C 35/400 R  | 9.2  | 35.0  | 5800     | 400 | 20mm         | 17.0mm     | X    | 35.9 EBHP | 6061.81  | 6061.79   | 97 lbs |
|          | PENTA-C 43/300 R  | 11.4 | 43.0  | 4350     | 300 | 22mm         | 17.0mm     | X    | 33.1 EBHP | 6061.76  | 6061.73   | 97 lbs |
|          | PENTA-C 58/300 R  | 15.3 | 58.0  | 4350     | 300 | 22mm         | 22.0mm     | 1    | 44.6 EBHP | 6061.76  | 6061.73   | 97 lbs |
|          | PENTA-C 70/200 R  | 18.8 | 71.0  | 2900     | 200 | 28mm         | 17.0mm     | X    | 36.4 EBHP | 6061.69  | 6061.73   | 97 lbs |
| 1750 RPM | PENTA-D 18.0/40 R | 18.2 | 70.0  | 4060     | 280 | 25mm         | 17.0mm     | X    | 50.0 EBHP | 6061.75  | 6061.73   | 97 lbs |

NOTE: All pump models available with left-hand drive option. Substitute 'L' for 'R' in model number when ordering (ex. PENTA-C 43/300 L)



MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
POWER REQUIREMENT  
LUBRICATION

18.8 GPM / 71.0 L/MIN  
2900 PSI / 200 BAR  
1450 RPM  
36.4 HP ELECTRIC  
118 OZ UDOR LUBE



Revised 12-4-2023

| Part #  | Description                             | Qty |
|---------|-----------------------------------------|-----|
| 0007.43 | OIL SEAL D22                            | 5   |
| 0007.57 | OIL SEAL D40                            | 1   |
| 0014.19 | PLUNGER GUIDE D22/25/28                 | 5   |
| 0023.23 | RING D10.4 <sup>D</sup>                 | 5   |
| 0023.31 | UPPER RING D28 <sup>A E</sup>           | 5   |
| 0028.86 | MALE SHAFT D35                          | 1   |
| 0029.07 | PLUG RING <sup>E</sup>                  | 10  |
| 0102.12 | PLUNGER BOLT <sup>D</sup>               | 5   |
| 0115.08 | BUSHING D22                             | 5   |
| 0208.26 | OIL SIGHT GLASS                         | 1   |
| 0208.A4 | BACK COVER                              | 1   |
| 0216.13 | BEARING D40                             | 2   |
| 0301.41 | DISC <sup>D</sup>                       | 5   |
| 0501.17 | BEARING FLANGE                          | 2   |
| 0602.34 | BACK COVER GASKET                       | 1   |
| 0605.43 | GASKET D17                              | 2   |
| 0635.29 | HIGH PRESS. SEAL KIT D28 <sup>B E</sup> | 5   |
| 0801.23 | KEY A10X8X70                            | 1   |
| 1101.64 | O-RING - VALVE <sup>C E</sup>           | 10  |
| 1101.A8 | O-RING - PLUNGER PUMP <sup>D</sup>      | 5   |
| 1101.A9 | O-RING - PRESSURE RING <sup>A B E</sup> | 5   |
| 1101.D9 | O-RING - VALVE CAP <sup>C E</sup>       | 10  |
| 1101.H6 | O-RING - OIL SIGHT GLASS                | 1   |
| 1101.Q1 | O-RING - BEARING FLANGE                 | 4   |
| 1205.34 | CERAMIC PLUNGER D28                     | 5   |
| 1208.41 | PLATE                                   | 1   |
| 1221.15 | PRESSURE RING D28 <sup>A E</sup>        | 5   |
| 1240.R9 | LIFTING HOOK M10                        | 1   |
| 1401.05 | RIVET 3.5X8                             | 2   |
| 1401.06 | RIVET D4X10                             | 2   |
| 1403.05 | WASHER D8.4                             | 10  |
| 1403.33 | WASHER D13.4 <sup>D</sup>               | 5   |

| Part #  | Description                              | Qty |
|---------|------------------------------------------|-----|
| 1411.02 | SERATED WASHER D8                        | 10  |
| 1411.03 | SERATED WASHER D10                       | 24  |
| 1412.20 | BONDED WASHER D27.05                     | 1   |
| 1412.28 | BONDED WASHER D42.9                      | 1   |
| 1502.14 | PIN D14X32                               | 5   |
| 1506.21 | SNAP RING D80                            | 2   |
| 1506.36 | SNAP RING D55                            | 2   |
| 1512.09 | PLUG D5X20                               | 10  |
| 1603.64 | PLUG G3/8                                | 2   |
| 1603.74 | PLUG G3/4                                | 1   |
| 1603.B8 | OIL PLUG G3/4 + GASKET                   | 1   |
| 1603.D2 | VALVE PLUG <sup>E</sup>                  | 10  |
| 1603.D3 | PLUG G1-1/4"                             | 1   |
| 1604.A6 | HEAD PISTON D28 <sup>E</sup>             | 1   |
| 1625.06 | OIL PLUG G1/2                            | 1   |
| 1804.03 | HEX BOLT M10X30                          | 12  |
| 1804.09 | HEX BOLT M8X40                           | 10  |
| 1804.12 | HEX BOLT M10X110                         | 12  |
| 1805.51 | ALLEN BOLT M6X40                         | 12  |
| 6000.80 | ROD ASSEMBLY BRONZE                      | 5   |
| 6002.E4 | CRANKCASE ASSEMBLY                       | 1   |
| 6006.96 | VALVE ASSEMBLY W/O O-RING <sup>C E</sup> | 10  |
| 6017.60 | COMPLETE MANIFOLD ASSEMBLY               | 1   |
| 6030.29 | LOW PRESS. SEAL KIT D28 <sup>B E</sup>   | 5   |
| 6061.68 | BRASS RING KIT D28 (KIT 19P)             | 1   |
| 6061.69 | WATER SEAL KIT D28 (KIT 12P)             | 1   |
| 6061.73 | VALVE KIT (KIT 3P)                       | 1   |
| 6061.84 | PLUNGER KIT D22/25/28 (KIT 6P)           | 1   |

<sup>A</sup> Parts in 6061.68 (Kit 19P).

<sup>B</sup> Parts in 6061.69 (Kit 12P).

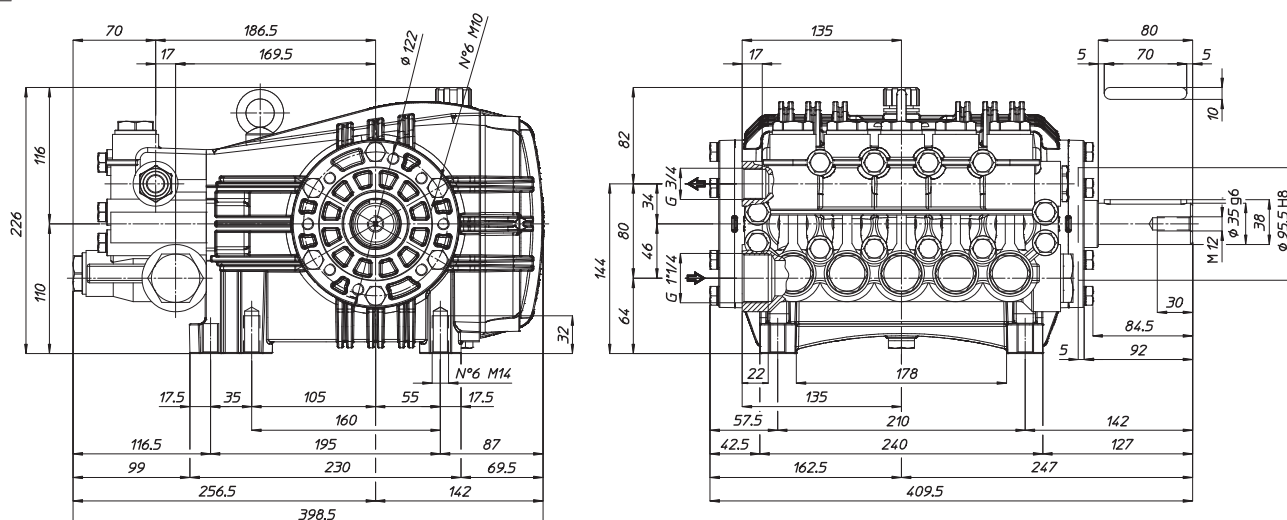
<sup>C</sup> Parts in 6061.73 (Kit 3P).

<sup>D</sup> Parts in 6061.84 (Kit 6P).

<sup>E</sup> Parts in 6017.60 (Complete Manifold Assembly).

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

## PENTA-B 30/300 R, PENTA-B 40/300 R, PENTA-B 50/200 R PENTA-C 43/300 R, PENTA-C 58/300 R, PENTA-C 70/200 R PENTA-D 70/280 R



## TORQUE SPECS

| Ref. | Description          | Ft./lb. | Nm  | Loctite® |
|------|----------------------|---------|-----|----------|
| 1    | Head Bolts           | 37      | 50  | -        |
| 2    | Valve Caps           | 133     | 180 | 243      |
| 3    | Inlet Cap            | 147     | 200 | -        |
| 4    | Outlet Cap           | 103     | 140 | 243      |
| 5    | Bearing Flange Bolts | 37      | 50  | -        |
| 6    | Rear Cover Bolts     | 8       | 11  | -        |
| 7    | Connecting Rod Bolts | 22      | 30  | 270      |
| 8    | Plunger Bolts        | 15      | 20  | 270      |
| 9    | Valve Cover Bolts    | -       | -   | -        |
| 10   | Oil Drain Plug       | 8       | 11  | -        |

