

## Solid Shaft Models

35mm Solid Keyed Shaft  
1000, 1450 or 1750 RPM



- 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.

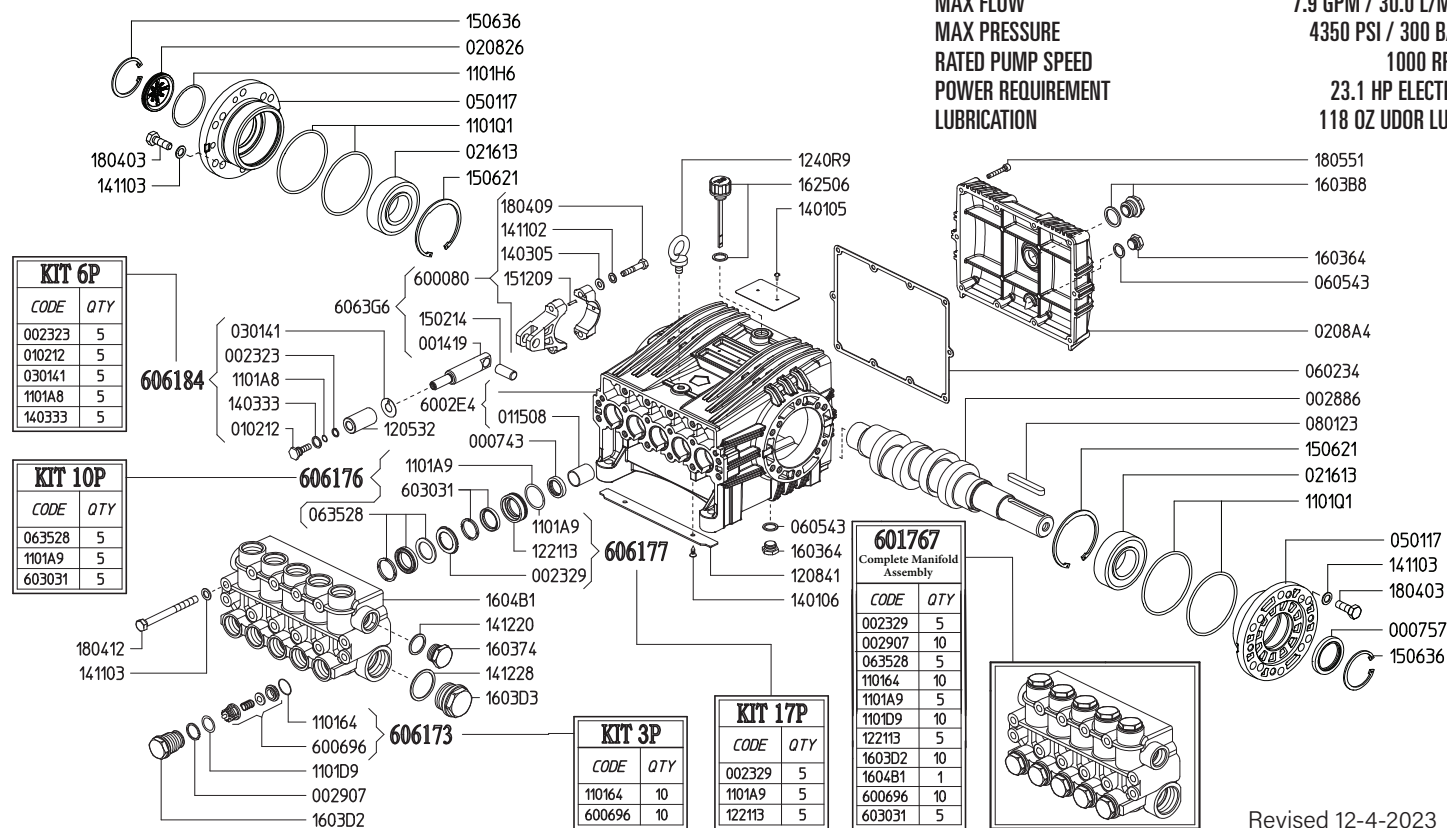
|          | Model             | Flow |       | Pressure |     | Plunger Dia. | Crankshaft |      | Power     | Seal Kit | Valve Kit | Wt.    |
|----------|-------------------|------|-------|----------|-----|--------------|------------|------|-----------|----------|-----------|--------|
|          |                   | 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

7.9 GPM / 30.0 L/MIN  
4350 PSI / 300 BAR  
1000 RPM  
23.1 HP ELECTRIC  
118 OZ UDOR LUBE



Revised 12-4-2023

| Part #  | Description                               | Qty | Part #  | Description                              | Qty |
|---------|-------------------------------------------|-----|---------|------------------------------------------|-----|
| 0007.43 | OIL SEAL D22                              | 5   | 1411.02 | SERATED WASHER D8                        | 10  |
| 0007.57 | OIL SEAL D40                              | 1   | 1411.03 | SERATED WASHER D10                       | 24  |
| 0014.19 | PLUNGER GUIDE D22/25/28                   | 5   | 1412.20 | BONDED WASHER D27.05                     | 1   |
| 0023.23 | RING D10.4 <sup>D</sup>                   | 5   | 1412.28 | BONDED WASHER D42.9                      | 1   |
| 0023.29 | UPPER RING D22 <sup>C E</sup>             | 5   | 1502.14 | PIN D14X32                               | 5   |
| 0028.86 | MALE SHAFT D35                            | 1   | 1506.21 | SNAP RING D80                            | 2   |
| 0029.07 | PLUG RING <sup>E</sup>                    | 10  | 1506.36 | SNAP RING D55                            | 2   |
| 0102.12 | PLUNGER BOLT <sup>D</sup>                 | 5   | 1512.09 | PLUG D5X20                               | 10  |
| 0115.08 | BUSHING D22                               | 5   | 1603.64 | PLUG G3/8                                | 2   |
| 0208.26 | OIL SIGHT GLASS                           | 1   | 1603.74 | PLUG G3/4                                | 1   |
| 0208.A4 | BACK COVER                                | 1   | 1603.B8 | OIL PLUG G3/4 + GASKET                   | 1   |
| 0216.13 | BEARING D40                               | 2   | 1603.D2 | VALVE PLUG <sup>E</sup>                  | 10  |
| 0301.41 | DISC <sup>D</sup>                         | 5   | 1603.D3 | PLUG G1-1/4"                             | 1   |
| 0501.17 | BEARING HOLLOW FLANGE                     | 2   | 1604.B1 | HEAD PISTON D22/25 <sup>E</sup>          | 1   |
| 0602.34 | BACK COVER GASKET                         | 1   | 1625.06 | OIL PLUG G1/2                            | 1   |
| 0605.43 | GASKET D17                                | 2   | 1804.03 | HEX BOLT M10X30                          | 12  |
| 0635.28 | HIGH PRESSURE SEAL KIT D22 <sup>B E</sup> | 5   | 1804.09 | HEX BOLT M8X40                           | 10  |
| 0801.23 | KEY A10X8X70                              | 1   | 1804.12 | HEX BOLT M10X110                         | 12  |
| 1101.64 | O-RING - VALVE <sup>A E</sup>             | 10  | 1805.51 | ALLEN BOLT M6X40                         | 10  |
| 1101.A8 | O-RING - PLUNGER <sup>D</sup>             | 5   | 6000.80 | ROD ASSEMBLY BRONZE                      | 5   |
| 1101.A9 | O-RING - PRESSURE RING <sup>B C E</sup>   | 5   | 6002.E4 | CRANKCASE ASSEMBLY                       | 1   |
| 1101.D9 | O-RING - VALVE CAP <sup>E</sup>           | 10  | 6006.96 | VALVE ASSEMBLY W/O O-RING <sup>A E</sup> | 10  |
| 1101.H6 | O-RING - OIL SIGHT GLASS                  | 1   | 6017.67 | COMPLETE MANIFOLD ASSEMBLY               | 1   |
| 1101.Q1 | O-RING - BEARING FLANGE                   | 4   | 6030.31 | LOW PRESSURE SEAL KIT D22 <sup>B E</sup> | 5   |
| 1205.32 | CERAMIC PLUNGER D22                       | 5   | 6061.73 | VALVE KIT (KIT 3P)                       | 1   |
| 1208.41 | PLATE                                     | 1   | 6061.76 | WATER SEAL KIT D22 (KIT 10P)             | 1   |
| 1221.13 | PRESSURE RING D22 <sup>C E</sup>          | 5   | 6061.77 | BRASS RING KIT D22(KIT 17P)              | 1   |
| 1240.R9 | LIFTING HOOK M10                          | 1   | 6061.84 | PLUNGER KID D22/25/28 (KIT 6P)           | 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   |         |                                          |     |

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

<sup>B</sup> Parts in 6061.76 (Kit 10P).

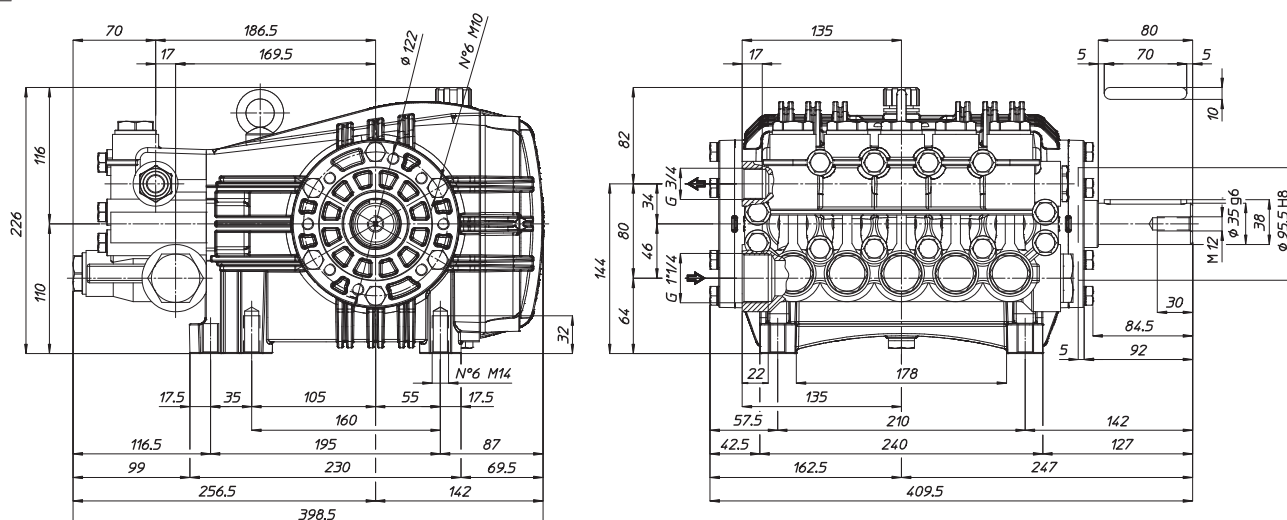
<sup>C</sup> Parts in 6061.77 (Kit 17P).

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

<sup>E</sup> Parts in 6017.67 (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  | -        |

