

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.

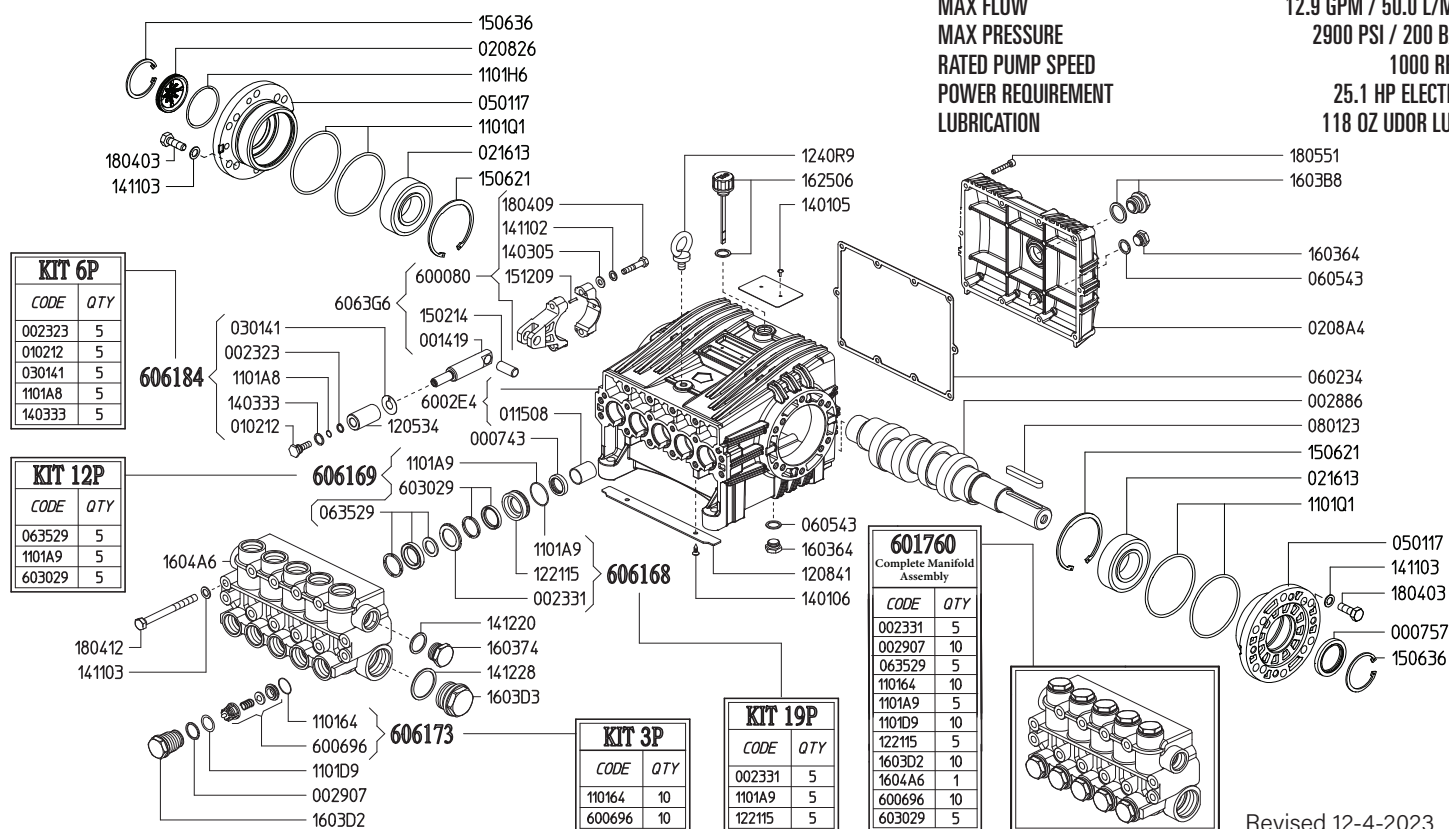
	Model	Flow		Pressure		Plunger Dia.	Crankshaft		Power	Seal Kit	Valve Kit	Wt.
		GPM	l/min	PSI	bar		Stroke	Code				
1000 RPM	PENTA-B 25/400 R	6.6	25.0	5800	400	20mm	17.0mm	X	25.6 EBHP	6061.81	6061.79	97 lbs
	PENTA-B 30/300 R	7.9	30.0	4350	300	22mm	17.0mm	X	23.1 EBHP	6061.76	6061.73	97 lbs
	PENTA-B 40/300 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

12.9 GPM / 50.0 L/MIN
2900 PSI / 200 BAR
1000 RPM
25.1 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 ^D	5
0023.31	UPPER RING D28 ^{A E}	5
0028.86	MALE SHAFT D35	1
0029.07	PLUG RING ^E	10
0102.12	PLUNGER BOLT ^D	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 ^D	5
0501.17	BEARING FLANGE	2
0602.34	BACK COVER GASKET	1
0605.43	GASKET D17	2
0635.29	HIGH PRESS. SEAL KIT D28 ^{B E}	5
0801.23	KEY A10X8X70	1
1101.64	O-RING - VALVE ^{C E}	10
1101.A8	O-RING - PLUNGER PUMP ^D	5
1101.A9	O-RING - PRESSURE RING ^{A B E}	5
1101.D9	O-RING - VALVE CAP ^{C E}	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 ^{A E}	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 ^D	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 ^E	10
1603.D3	PLUG G1-1/4"	1
1604.A6	HEAD PISTON D28 ^E	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 ^{C E}	10
6017.60	COMPLETE MANIFOLD ASSEMBLY	1
6030.29	LOW PRESS. SEAL KIT D28 ^{B E}	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

^A Parts in 6061.68 (Kit 19P).

^B Parts in 6061.69 (Kit 12P).

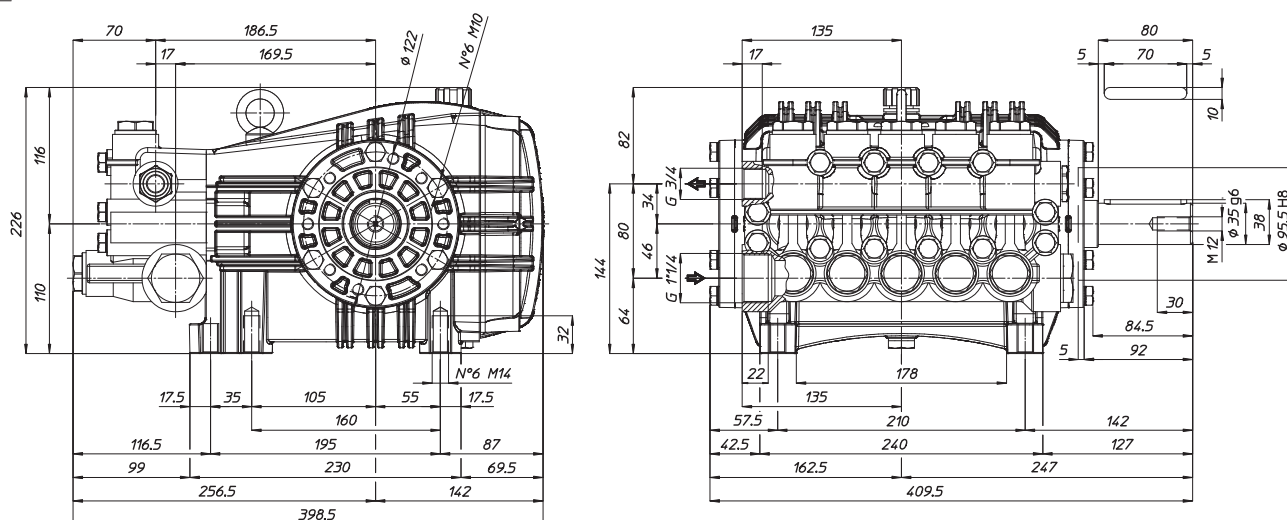
^C Parts in 6061.73 (Kit 3P).

^D Parts in 6061.84 (Kit 6P).

^E 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	-

