

- Heavy Duty Brass Manifold with External and Internal Bracing
- Heavy Duty Bronze or Aluminum Connecting Rods
- Large Diameter Brass or Stainless Steel Valve Caps with Increased Thread Depth
- Reinforcing Ring on Inlet and Discharge Ports
- Stainless Steel Piston Guides and Check Valves
- Heat Treated Crank Shaft
- Industrial Quality Tapered Roller Bearings
- Deeper Back Cover for Increased Oil Capacity
- 34.5 oz. Capacity Vented Oil Bath Crank Case
- 3/4" BSP-F Inlet. 3/8" BSP-F Outlet - Less Than 10 GPM
- 3/4" BSP-F Inlet. 1/2" BSP-F Outlet - 10 GPM and Above
- Max Fluid Temp, 160°F

CKD Series 24mm Keyed Solid Shaft Plunger Pumps

CKD Series super duty plunger pumps include a wide range of models with flow rates from 4.5 to 13.2 GPM and pressures up to 5075 PSI.

Other drive options include gas engine gear reduction and hydraulic motor flange.

Applications include general pressure cleaning, sewer jetting, vehicle wash equipment, street cleaning, construction, hydro-excavation and UHP fire fighting applications.

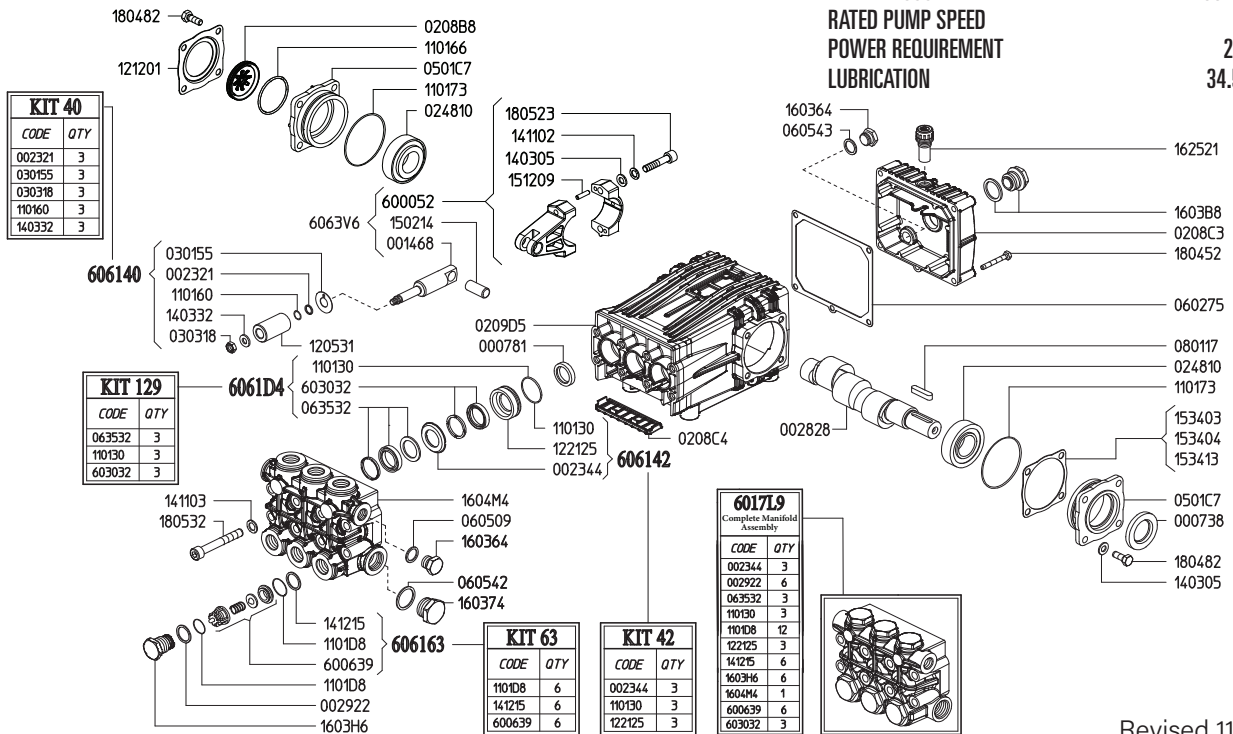
| | Model | Flow | | Pressure | | Plunger Dia. | Crankshaft | | Power | Seal Kit | Valve Kit | Wt. |
|---------------|---------------------|------|-------|----------|------|--------------|------------|-----------|-----------|----------|-----------|--------|
| | | GPM | l/min | PSI | bar | | Stroke | Code | | | | |
| 1750 RPM | CKD 4.5/51 S | 4.5 | 17.0 | 5075 | 360 | 20mm | 11.0mm | P | 15.3 EBHP | 6061.D4 | 6061.63 | 39 lbs |
| | CKD 5.5/44 S | 5.5 | 20.8 | 4350 | 300 | 22mm | 11.0mm | P | 16.0 EBHP | 6061.10 | 6061.03 | 39 lbs |
| | CKD 5.5/50 S | 5.5 | 20.8 | 5075 | 360 | 20mm | 13.5mm | N | 19.0 EBHP | 6061.D4 | 6061.63 | 39 lbs |
| | CKD 6.0/51 S | 6.0 | 22.7 | 5075 | 360 | 20mm | 19.0mm | Y | 20.4 EBHP | 6061.D4 | 6061.63 | 39 lbs |
| | CKD 7.0/44 S | 7.0 | 26.0 | 4350 | 300 | 22mm | 13.5mm | N | 22.0 EBHP | 6061.10 | 6061.03 | 39 lbs |
| | CKD 7.0/50 S | 7.0 | 26.0 | 5000 | 340 | 20mm | 17.0mm | X | 24.0 EBHP | 6061.D4 | 6061.63 | 39 lbs |
| | CKD 7.5/44 S | 7.5 | 28.4 | 4350 | 300 | 22mm | 15.0mm | V | 21.8 EBHP | 6061.10 | 6061.03 | 39 lbs |
| | CKD 8.5/40 S | 8.5 | 32.2 | 4060 | 280 | 22mm | 17.0mm | X | 23.5 EBHP | 6061.10 | 6061.03 | 39 lbs |
| | CKD 9.5/36 S | 9.5 | 36.0 | 3625 | 250 | 25mm | 19.0mm | Y | 23.0 EBHP | 6061.11 | 6061.03 | 39 lbs |
| | CKD 11.0/32 S | 11.0 | 41.5 | 3190 | 220 | 25mm | 17.0mm | X | 23.5 EBHP | 6061.11 | 6061.03 | 39 lbs |
| CKD 12.0/30 S | 12.0 | 45.5 | 2900 | 200 | 25mm | 19.0mm | Y | 23.4 EBHP | 6061.11 | 6061.03 | 39 lbs | |

NOTE: All pump models available with left-hand drive option. Add 'L' to model number when ordering (ex. CKD 70/44 SL)



MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

6.0 GPM / 22.7 L/MIN
5075 PSI / 350 BAR
1750 RPM
20.4 HP ELECTRIC
34.5 OZ UDOR LUBE



Revised 11-11-2024

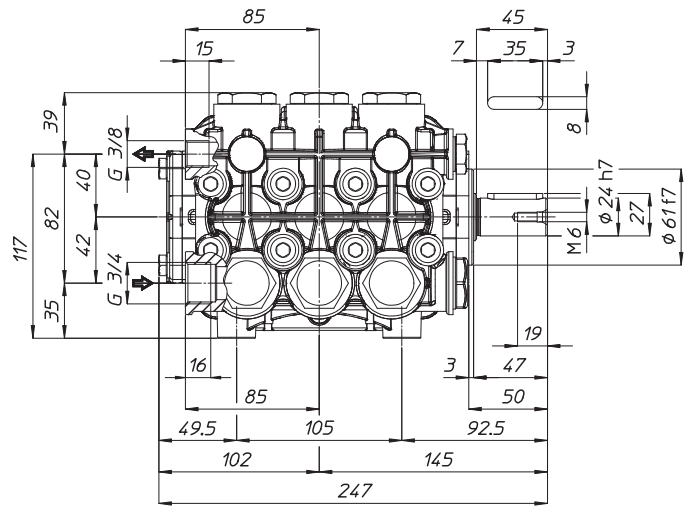
| Part # | Description | Qty |
|---------|--|-----|
| 0007.38 | OIL SEAL D30 | 1 |
| 0007.81 | OIL SEAL D20 | 3 |
| 0014.68 | PLUNGER GUIDE D20 "C/CK" | 3 |
| 0023.21 | RING D8.3 ^B | 3 |
| 0023.44 | UPPER RING D20 "CK" 350BAR ^{D E} | 3 |
| 0028.28 | MALE SHAFT D24 | 1 |
| 0029.22 | RING "CK" D15.2 ^E | 6 |
| 0208.B8 | OIL SIGHT GLASS | 1 |
| 0208.C3 | BACK COVER "C/CK" | 1 |
| 0208.C4 | COVER "CK" | 1 |
| 0209.D5 | CRANKCASE "C/CK/CH" | 1 |
| 0248.10 | ROLLER BEARING D30 | 2 |
| 0301.55 | SLINGER RING D18/20 ^B | 3 |
| 0303.18 | NUT INOX ^B | 3 |
| 0501.C7 | BEARING HOLLOW FLANGE | 2 |
| 0602.75 | BACK COVER GASKET | 1 |
| 0605.09 | GASKET D17 | 1 |
| 0605.42 | GASKET D27 | 1 |
| 0605.43 | GASKET D17 | 1 |
| 0635.32 | HIGH PRESSURE SEAL KIT D20 ^{C E} | 3 |
| 0801.17 | KEY A8X7X35 | 1 |
| 1101.30 | O-RING - PRESSURE RING ^{C D E} | 3 |
| 1101.60 | O-RING - PLUNGER ^B | 3 |
| 1101.66 | O-RING - OIL SIGHT GLASS | 1 |
| 1101.73 | O-RING - BEARING FLANGE | 2 |
| 1101.D8 | O-RING - VALVE ^{A E} | 6 |
| 1101.D8 | O-RING - VALVE PLUG ^E | 6 |
| 1205.31 | CERAMIC PLUNGER D20 | 3 |
| 1212.01 | RETAINER - OIL SIGHT GLASS | 1 |
| 1221.25 | PRESSURE RING D20 "CK" 350BAR ^{D E} | 3 |
| 1403.05 | WASHER D8.4 | 10 |

| Part # | Description | Qty |
|---------|---|-----|
| 1403.32 | WASHER D8.5 ^B | 3 |
| 1411.02 | SERATED WASHER D8 | 6 |
| 1411.03 | SERATED WASHER D10 | 8 |
| 1412.15 | RING 400BAR ^{A E} | 6 |
| 1502.14 | PIN D14X32 | 3 |
| 1512.09 | PLUG D5X20 UNI1707 | 6 |
| 1534.03 | SHIM 0.1MM | - |
| 1534.04 | SHIM 0.2MM | - |
| 1534.13 | SHIM 0.05MM | - |
| 1603.64 | PLUG G3/8 | 2 |
| 1603.74 | PLUG G3/4 | 1 |
| 1603.B8 | OIL PLUG G3/4 + GASKET | 1 |
| 1603.H6 | VALVE PLUG "CK" PISTON D20 ^E | 6 |
| 1604.M4 | HEAD "CK" D18/20 ^E | 1 |
| 1625.21 | OIL PLUG G3/8 | 1 |
| 1804.52 | HEX BOLT M6X45 | 5 |
| 1804.82 | HEX BOLT M8X22 | 8 |
| 1805.23 | ALLEN BOLT M8X40 | 6 |
| 1805.32 | ALLEN BOLT M10X75 | 8 |
| 6000.52 | ROD ASSEMBLY | 3 |
| 6006.39 | VALVE ASSY 400BAR W/O O-RING ^{A E} | 6 |
| 6017.L9 | COMPLETE MANIFOLD ASSEMBLY | 1 |
| 6030.32 | LOW PRESSURE SEAL KIT D20 ^{C E} | 3 |
| 6061.40 | KIT 40 PLUNGER KIT D20 350BAR | 1 |
| 6061.42 | KIT 42 BRASS RING KIT D20 "CK" 350BAR | 1 |
| 6061.63 | KIT 63 VALVE KIT 400BAR | 1 |
| 6061.D4 | KIT 129 WATER SEAL KIT D20 "CK" | 1 |

^A Parts in 6061.63 (Kit 63).
^B Parts in 6061.40 (Kit 40).
^C Parts in 6061.D4 (Kit 129).
^D Parts in 6061.42 (Kit 42).
^E Parts in 6017.L9 (Complete Manifold Assembly).

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

CK SERIES PUMPS BELOW 10 GPM



TORQUE SPECS

| Ref. | Description | Ft./lb. | Nm | Loctite® |
|------|----------------------|---------|-----|----------|
| 1 | Head Bolts | 37 | 50 | - |
| 2 | Valve Caps | 103 | 140 | 243 |
| 3 | Inlet Cap | 103 | 140 | - |
| 4 | Outlet Cap | 103 | 140 | 243 |
| 5 | Bearing Flange Bolts | 19 | 25 | - |
| 6 | Rear Cover Bolts | 8 | 11 | - |
| 7 | Connecting Rod Bolts | 19 | 25 | 270 |
| 8 | Plunger Bolts | 15 | 20 | 270 |
| 9 | Valve Cover Bolts | - | - | - |
| 10 | Oil Drain Plug | 8 | 11 | - |

