

## Hydraulic Drive Assemblies

Pump, Hydraulic Motor, Mounting Rails  
1450 RPM



- 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

### CKC Series Hydraulic Drive Assemblies

CKC Series super duty hydraulic drive plunger pump assemblies include a wide range of models with flow rates from 4.5 to 13.2 GPM and pressures up to 5000 PSI.

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

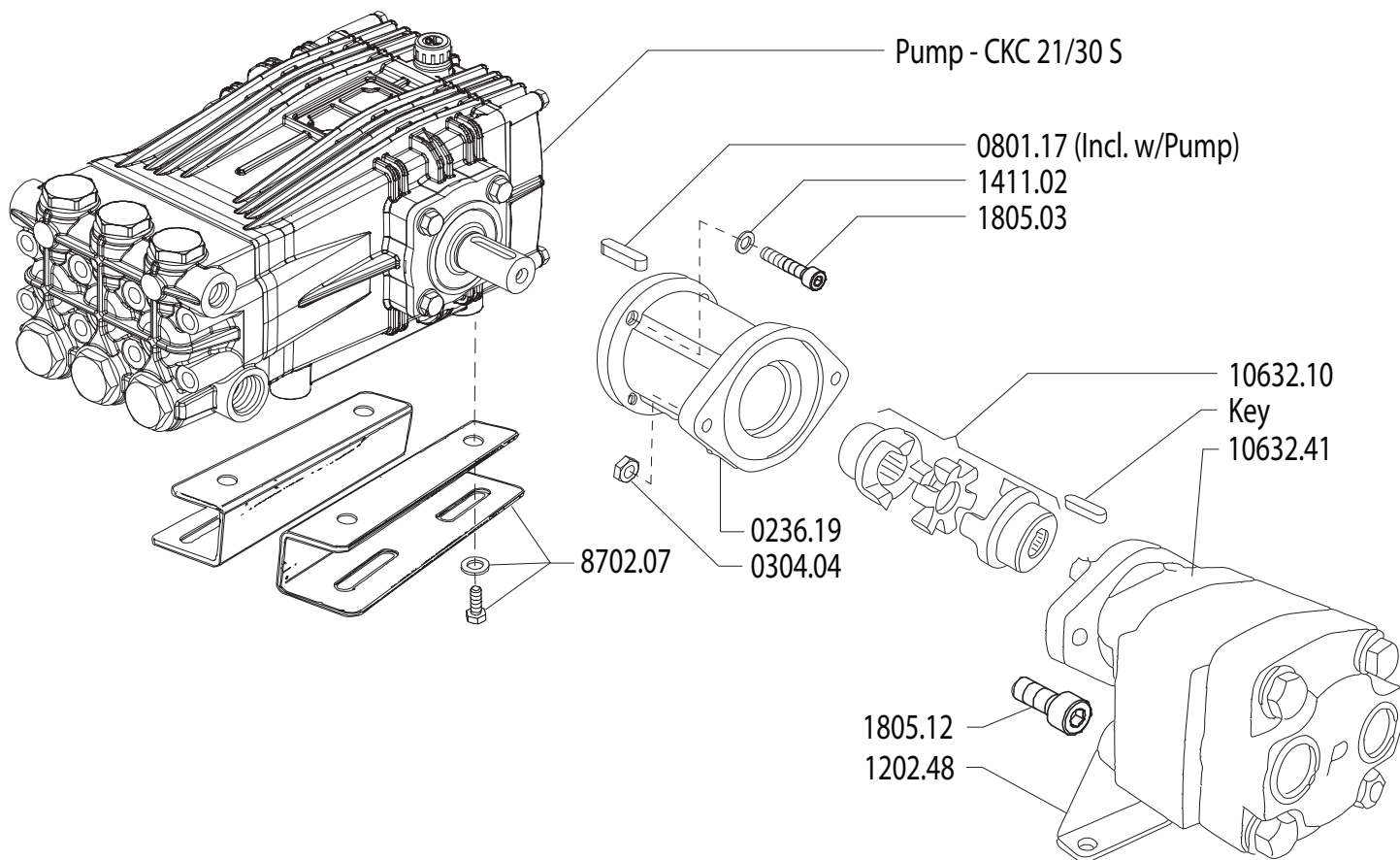
|             | Model               | GPM                                                                                                                                                                                                     | l/min | PSI* | bar* | Hydraulic Requirements | Weight  |
|-------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|------------------------|---------|
| 1450<br>RPM | CKC 17/30 SH        | 4.5                                                                                                                                                                                                     | 17.0  | 4000 | 275  | 20.0 GPM @ 2000 PSI    | 75 lbs  |
|             | CKC 17/36 SH        | 4.5                                                                                                                                                                                                     | 17.0  | 5000 | 350  | 20.0 GPM @ 2200 PSI    | 75 lbs  |
|             | <b>CKC 21/30 SH</b> | 5.5                                                                                                                                                                                                     | 21.0  | 4000 | 275  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 21/36 SH        | 5.5                                                                                                                                                                                                     | 21.0  | 5000 | 350  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 26/30 SH        | 6.9                                                                                                                                                                                                     | 26.0  | 4000 | 275  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 30/24 SH        | 7.9                                                                                                                                                                                                     | 30.0  | 3500 | 240  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 34/25 SH        | 9.0                                                                                                                                                                                                     | 34.0  | 3200 | 220  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 38/20 SH        | 10.0                                                                                                                                                                                                    | 38.0  | 3000 | 200  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 42/20 SH        | 11.6                                                                                                                                                                                                    | 44.0  | 2500 | 175  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
|             | CKC 50/20 SH        | 13.2                                                                                                                                                                                                    | 50.0  | 2000 | 140  | 20.0 GPM @ 2400 PSI    | 75 lbs  |
| 1450<br>RPM | CKC ___/___ SHK     | CK Series Hydraulic Drive Plunger Pump with hydraulic gear motor, mounting rails, unloader, (2) 1" hose barb inlets, thermal relief valve, safety pop-off valve and 14" x 20" base with rubber bumpers. |       |      |      |                        | 100 lbs |

\* NOTE: Pressure ratings are based on maximum hydraulic motor output capacity



MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
HYDRAULIC REQUIREMENT  
LUBRICATION

5.5 GPM / 21.0 L/MIN  
4000 PSI / 275 BAR  
1450 RPM  
20.0 GPM / 2400 PSI  
34.5 OZ UDOR LUBE



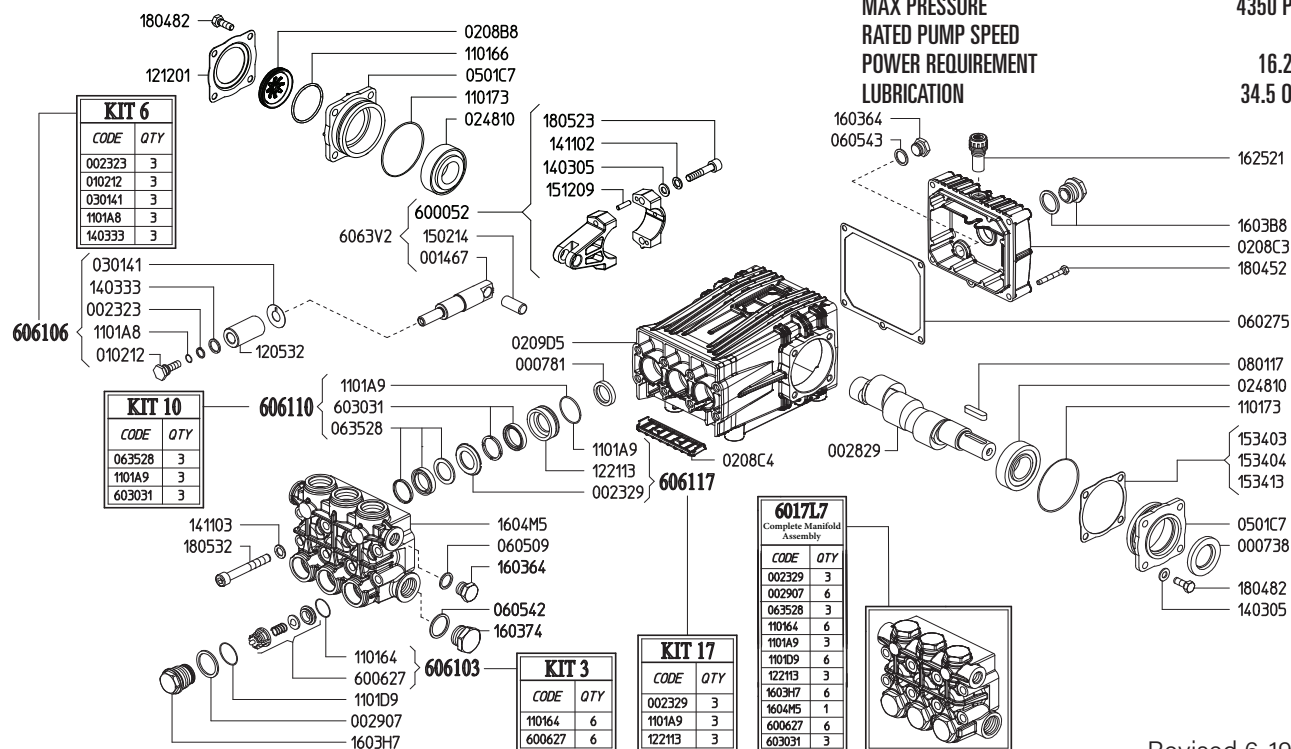
Revised 6-19-2025

| Part #  | Description             | Qty |
|---------|-------------------------|-----|
| 0236.19 | ADAPTER HYDRAULIC MOTOR | 1   |
| 0304.04 | NUT - M10               | 2   |
| 1411.02 | WASHER - D8             | 4   |
| 1411.03 | WASHER - D10            | 2   |
| 1805.03 | ALLEN BOLT M8X30        | 4   |

| Part #   | Description                            | Qty |
|----------|----------------------------------------|-----|
| 1805.12  | ALLEN BOLT M10X500                     | 2   |
| 8702.07  | RAIL KIT WITH BOLTS/WASHERS            | 1   |
| 10632.10 | COUPLER 24MMX3/4                       | 1   |
| 10632.41 | HYDRAULIC MOTOR CK                     | 1   |
| CKC2130S | PUMP - CKC 21/30 S, 5.5 GPM @ 4350 PSI | 1   |

MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
POWER REQUIREMENT  
LUBRICATION

5.5 GPM / 21.0 L/MIN  
4350 PSI / 300 BAR  
1450 RPM  
16.2 HP ELECTRIC  
34.5 OZ UDOR LUBE



Revised 6-19-2025

| Part #  | Description                             | Qty |
|---------|-----------------------------------------|-----|
| 0007.38 | OIL SEAL D30                            | 1   |
| 0007.81 | OIL SEAL D20                            | 3   |
| 0014.67 | PLUNGER GUIDE D22/25/28 "C/CK"          | 3   |
| 0023.23 | RING D10.4 <sup>B</sup>                 | 3   |
| 0023.29 | UPPER RING D22 "CK" <sup>D E</sup>      | 3   |
| 0028.29 | MALE SHAFT D24                          | 1   |
| 0029.07 | PLUG RING "CK" <sup>E</sup>             | 6   |
| 0102.12 | PLUNGER BOLT <sup>B</sup>               | 3   |
| 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   |
| 0301.41 | SLINGER RING <sup>B</sup>               | 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   |
| 0635.28 | HIGH PRESS. SEAL KIT D22 <sup>C E</sup> | 3   |
| 0801.17 | KEY A8X7X35                             | 1   |
| 1101.64 | O-RING - VALVE <sup>A E</sup>           | 6   |
| 1101.66 | O-RING - OIL SIGHT GLASS                | 1   |
| 1101.73 | O-RING - BEARING FLANGE                 | 2   |
| 1101.A8 | O-RING - PLUNGER BOLT <sup>B</sup>      | 3   |
| 1101.A9 | O-RING - PRESSURE RING <sup>C D E</sup> | 3   |
| 1101.D9 | O-RING - VALVE PLUG <sup>E</sup>        | 6   |
| 1205.32 | CERAMIC PLUNGER D22                     | 3   |
| 1212.01 | RETAINER - OIL SIGHT GLASS              | 1   |
| 1221.13 | PRESSURE RING D22 <sup>D E</sup>        | 3   |
| 1403.05 | WASHER D8.4                             | 10  |

| Part #  | Description                                | Qty |
|---------|--------------------------------------------|-----|
| 1403.33 | WASHER D13.4 <sup>B</sup>                  | 3   |
| 1411.02 | SERATED WASHER D8                          | 6   |
| 1411.03 | SERATED WASHER D10                         | 8   |
| 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.H7 | VALVE PLUG "CK" PISTON D22/25 <sup>E</sup> | 6   |
| 1604.M5 | HEAD "CK" D22/25 <sup>E</sup>              | 1   |
| 1625.05 | 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   |
| 6006.27 | VALVE ASSEMBLY W/O O-RING <sup>A E</sup>   | 6   |
| 6017.L7 | COMPLETE MANIFOLD ASSEMBLY                 | 1   |
| 6030.31 | LOW PRESSURE SEAL KIT D22 <sup>C E</sup>   | 3   |
| 6061.03 | KIT 3 VALVE KIT                            | 1   |
| 6061.06 | KIT 6 PLUNGER KIT D22                      | 1   |
| 6061.10 | KIT 10 WATER SEAL KIT D22 "C/CK"           | 1   |
| 6061.17 | KIT 17 BRASS RING KIT D22 "CK" 350BAR      | 1   |

<sup>A</sup> Parts in 6061.03 (Kit 3).

<sup>B</sup> Parts in 6061.06 (Kit 6).

<sup>C</sup> Parts in 6061.10 (Kit 10).

<sup>D</sup> Parts in 6061.17 (Kit 17).

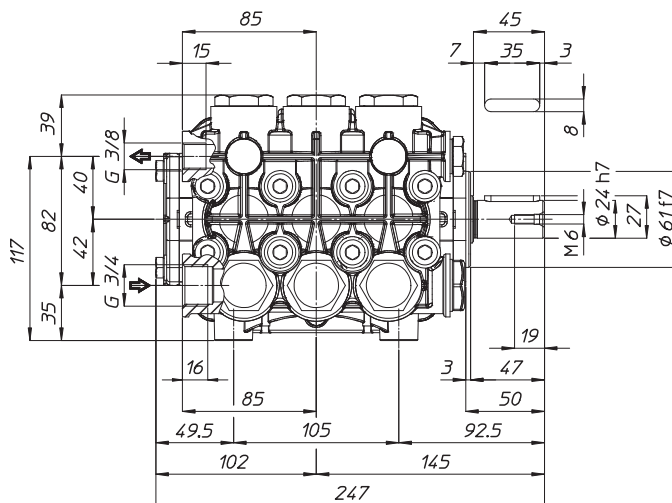
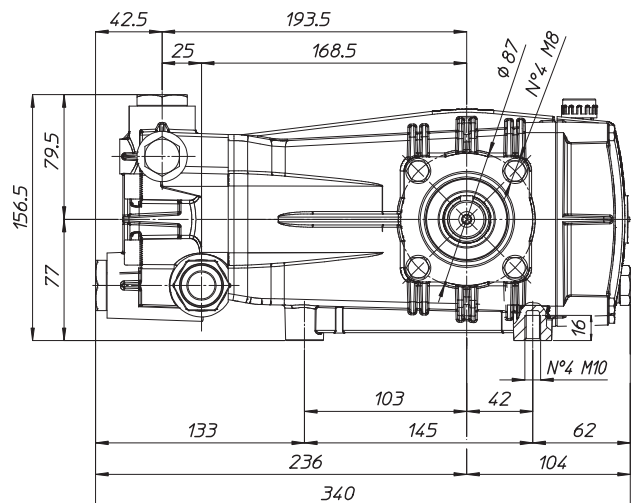
<sup>E</sup> Parts in 6017.L7 (Complete Manifold Assembly).

## WEIGHT LUBRICATION

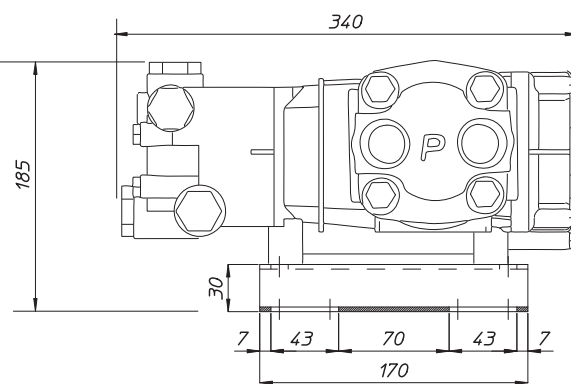
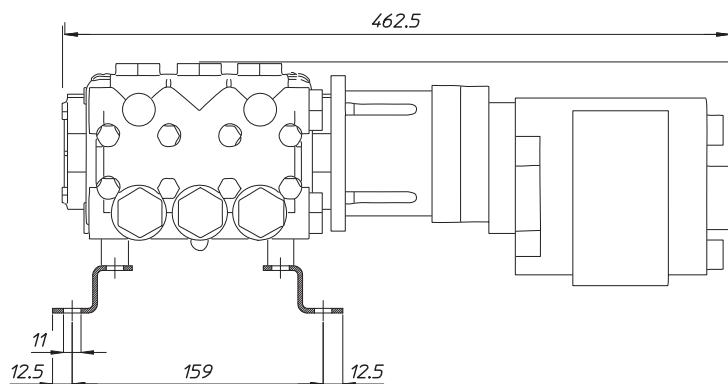
39 LBS  
34.5 OZ UDOR LUBE

## CK SERIES PUMPS BELOW 10 GPM

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



## CK SERIES HYDRAULIC DRIVE ASSEMBLIES



## 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  | -        |

