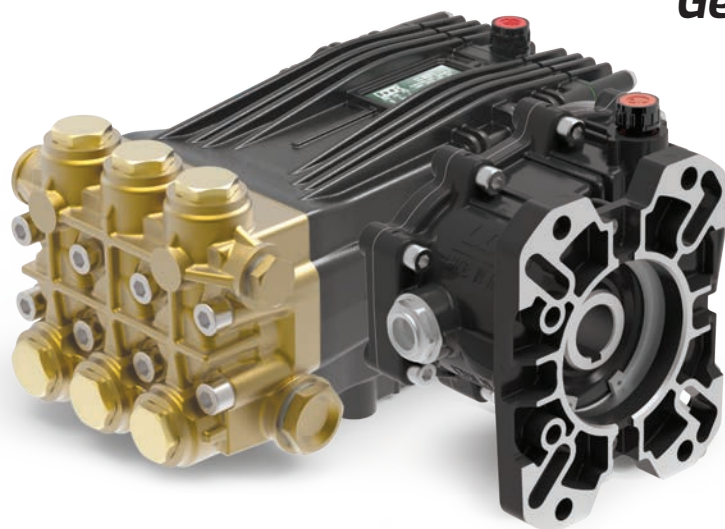


## Gear Reduction, Gas Engine Models

1" or 1-1/8" Hollow Shaft, SAE J609-B Flange

2.2:1 Gear Reduction Drive



- 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 Gas Engine, Gear Reduction Drive Plunger Pumps

CKC Series super duty plunger pumps include a wide range of models with flow rates from 4.5 to 12.0 GPM and pressures up to 5075 PSI.

Other drive options include 24mm solid shaft and hydraulic motor flange.

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

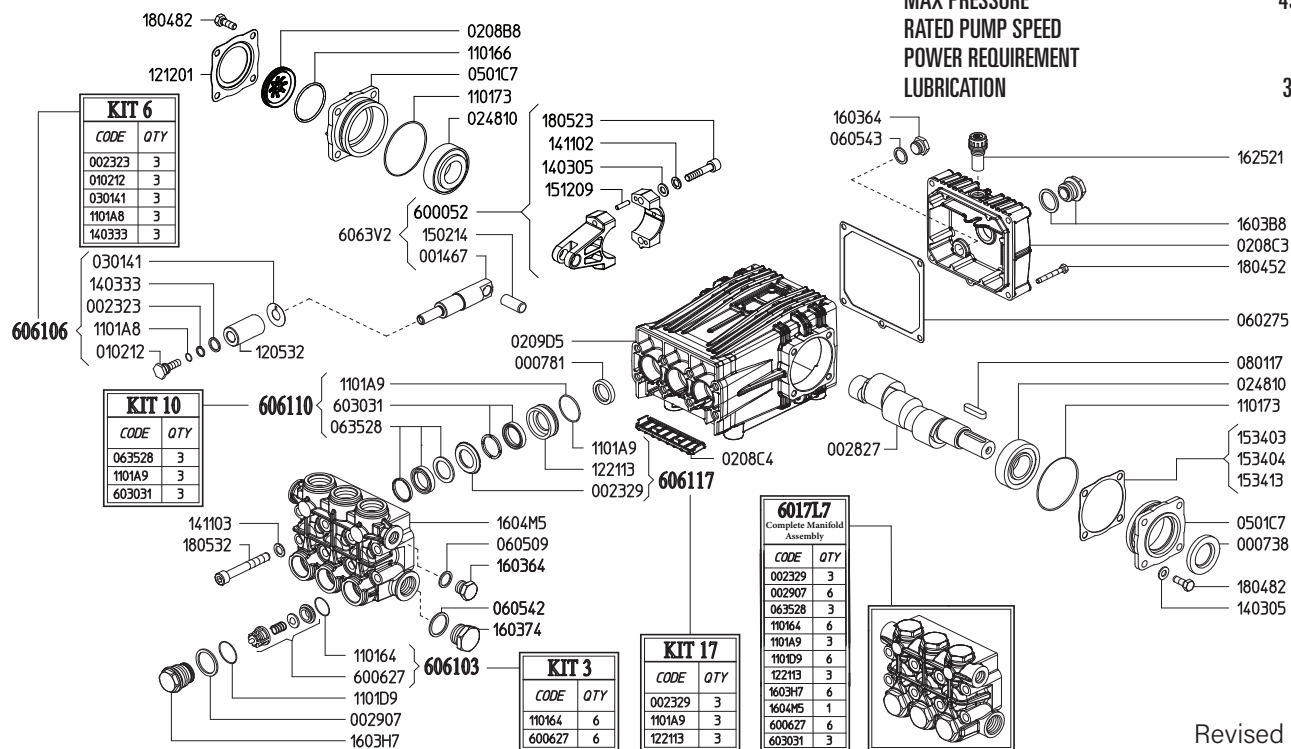
|                | Model               | Flow |       | Pressure |     | Plunger Dia. | Crankshaft |      | Power       | Seal Kit | Valve Kit | Wt.    |
|----------------|---------------------|------|-------|----------|-----|--------------|------------|------|-------------|----------|-----------|--------|
|                |                     | GPM  | l/min | PSI      | bar |              | Stroke     | Code |             |          |           |        |
| Gear Reduction | CKC 17/30 GR        | 4.5  | 17.0  | 4350     | 300 | 22mm         | 11.0mm     | P    | 18.0 HP Gas | 6061.10  | 6061.03   | 39 lbs |
|                | CKC 17/36 GR        | 4.5  | 17.0  | 5075     | 360 | 20mm         | 13.5mm     | N    | 20.0 HP Gas | 6061.D4  | 6061.63   | 39 lbs |
|                | CKC 21/30 GR        | 5.5  | 21.0  | 4350     | 300 | 22mm         | 13.5mm     | N    | 23.0 HP Gas | 6061.10  | 6061.03   | 39 lbs |
|                | CKC 21/36 GR        | 5.5  | 21.0  | 5075     | 360 | 20mm         | 17.0mm     | X    | 24.0 HP Gas | 6061.D4  | 6061.63   | 39 lbs |
|                | <b>CKC 26/30 GR</b> | 6.9  | 26.0  | 4350     | 300 | 22mm         | 17.0mm     | X    | 26.0 HP Gas | 6061.10  | 6061.03   | 39 lbs |
|                | CKC 30/24 GR        | 7.9  | 30.0  | 3480     | 240 | 25mm         | 15.0mm     | V    | 26.0 HP Gas | 6061.11  | 6061.03   | 39 lbs |
|                | CKC 30/30 GR        | 7.9  | 30.0  | 4350     | 300 | 22mm         | 19.0mm     | Y    | 26.0 HP Gas | 6061.10  | 6061.03   | 39 lbs |
|                | CKC 34/25 GR        | 9.0  | 34.0  | 3625     | 250 | 25mm         | 17.0mm     | X    | 26.0 HP Gas | 6061.11  | 6061.03   | 39 lbs |
|                | CKC 38/20 GR        | 10.0 | 38.0  | 2900     | 200 | 28mm         | 15.0mm     | V    | 25.0 HP Gas | 6061.12  | 6061.03   | 39 lbs |
|                | CKC 42/20 GR        | 11.6 | 44.0  | 2900     | 200 | 28mm         | 17.0mm     | X    | 26.0 HP Gas | 6061.12  | 6061.03   | 39 lbs |
|                | CKC 50/20 GR        | 13.2 | 50.0  | 2900     | 200 | 28mm         | 19.0mm     | Y    | 26.0 HP Gas | 6061.12  | 6061.03   | 39 lbs |

**NOTE:** All models available with 1" or 1-1/8" Hollow Shafts . Specify size when ordering (ex. **CKC 21/30 GR1** or **CKC 21/30 GR1-1/8.**)



MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
POWER REQUIREMENT  
LUBRICATION

6.9 GPM / 26.0 L/MIN  
4350 PSI / 300 BAR  
1450 RPM  
26.0 HP ELECTRIC  
34.5 OZ UDOR LUBE



Revised 9-15-2025

| 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   |
| 0028.27 | 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   |
| 1625.21 | 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   |
| 6006.27 | 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).

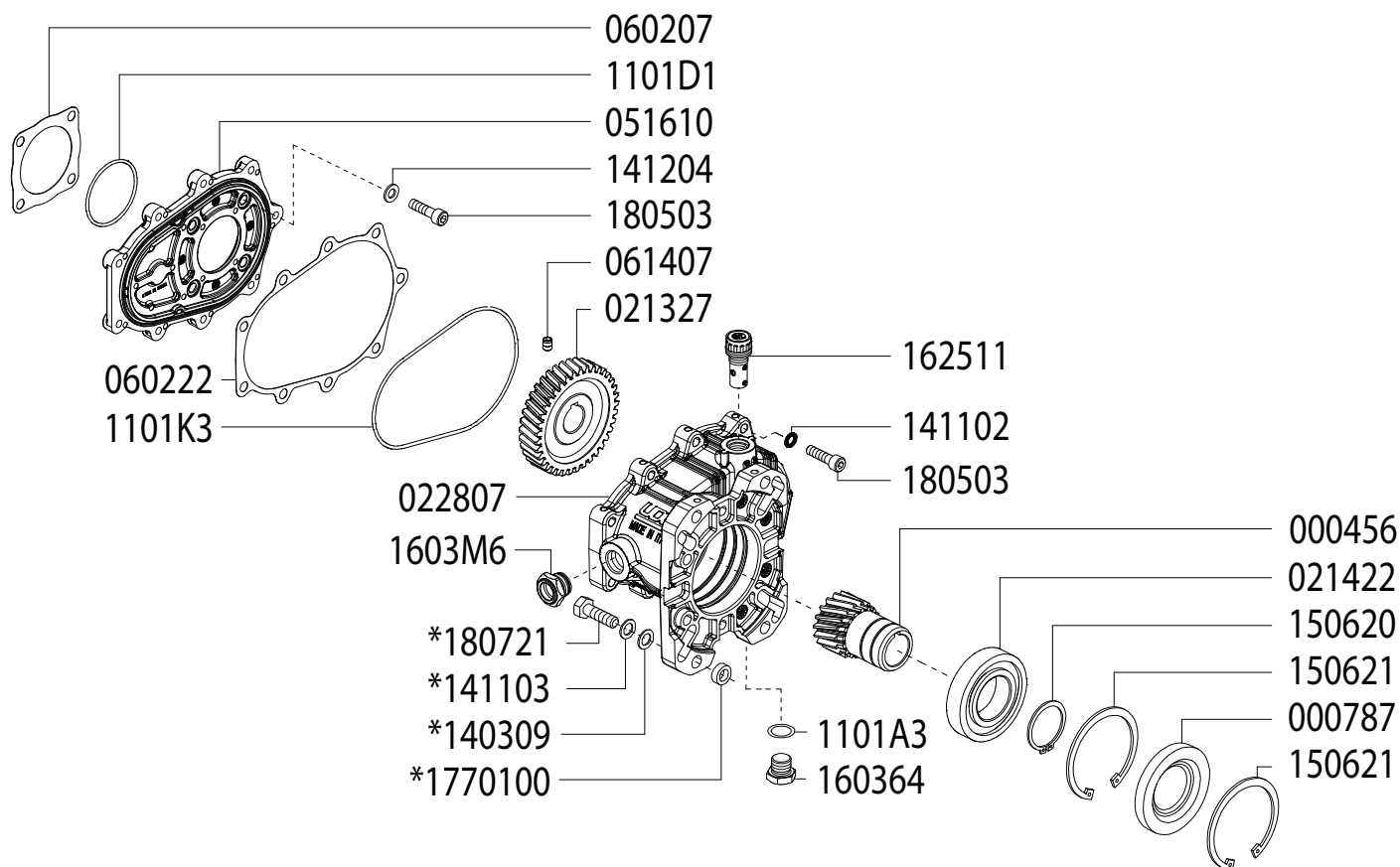
<sup>B</sup> Parts in 6061.06 (Kit 6).

<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).

**GAS ENGINE GEAR REDUCTION FOR  
B/BK/BS/BWT/C/CS/CWT/CK/CX-SERIES PLUNGER PUMPS  
on GAS ENGINES with 1" SHAFTS  
REQUIRES 11.5 OZ. ISO VG 220 GEAR LUBE**



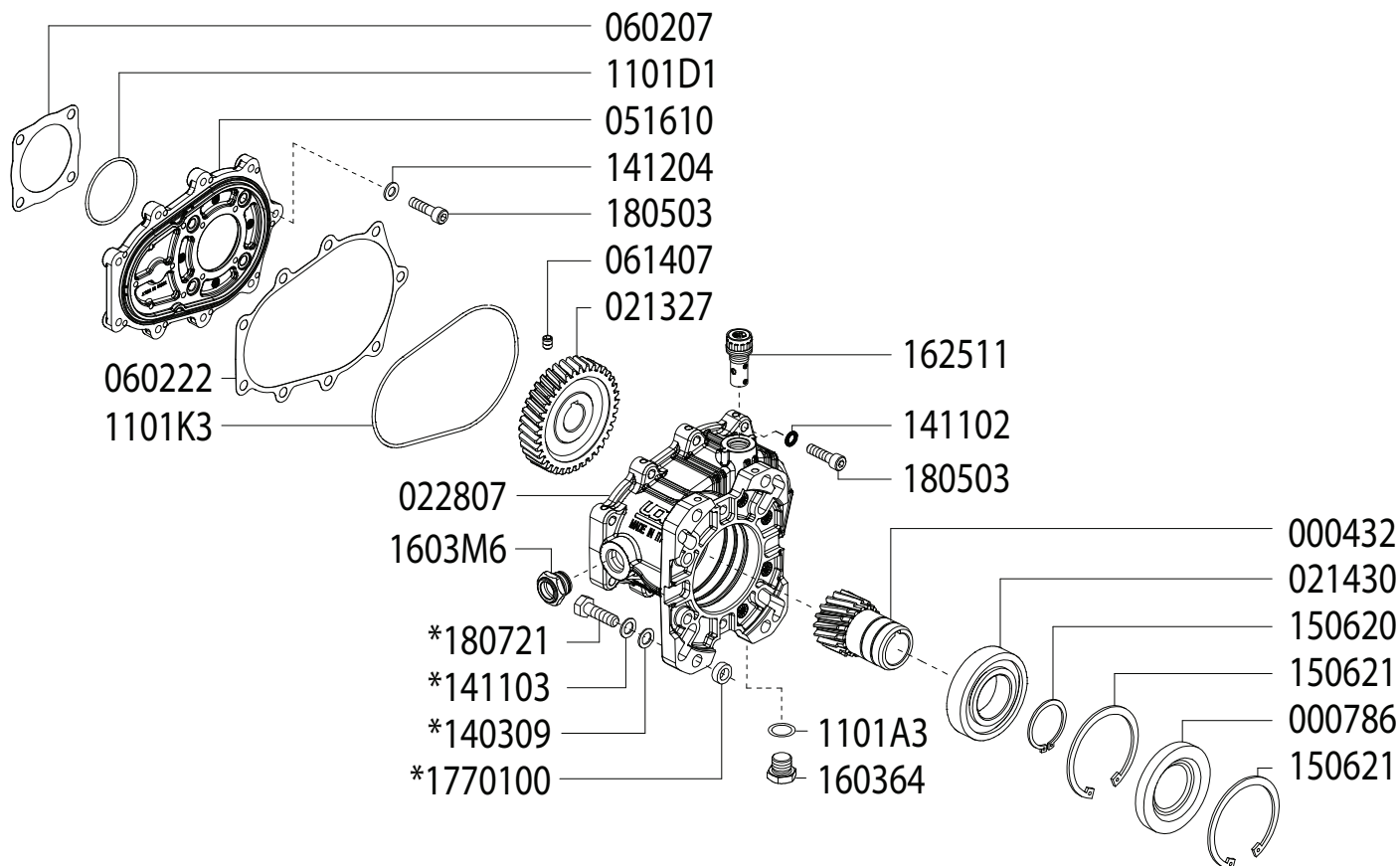
Updated 9-15-2025

| Part #   | Description              | Qty |
|----------|--------------------------|-----|
| 0004.56  | GEAR - 1"                | 1   |
| 0007.87  | OIL SEAL - D40 - RBC122K | 1   |
| 0213.27  | PUMP GEAR                | 1   |
| 0214.22  | BEARING - D40 - RBC122K  | 1   |
| 0228.07  | COUPLER - RBC122         | 1   |
| 0516.10  | FLANGE - RBC122          | 1   |
| 0602.07  | GASKET - RC122           | 1   |
| 0602.22  | GASKET - RBC122 HOUSING  | 1   |
| 0614.07  | SET SCREW - M5X8         | 1   |
| 1101.A3  | O-RING                   | 1   |
| 1101.D1  | O-RING                   | 1   |
| 1101.K3  | O-RING                   | 1   |
| *1403.09 | WASHER                   | 4   |

| Part #    | Description                | Qty |
|-----------|----------------------------|-----|
| 1411.02   | WASHER                     | 9   |
| *1411.03  | SERRATED WASHER            | 4   |
| 1412.04   | WASHER                     | 4   |
| 1506.20   | SNAP RING - D40            | 1   |
| 1506.21   | SNAP RING - D80            | 2   |
| 1603.64   | PLUG - 3/8"                | 1   |
| 1603.M6   | OIL SIGHT GLASS            | 1   |
| 1625.11   | OIL PLUG - G3/8"           | 1   |
| 1805.03   | ALLEN BOLT - M8x30         | 13  |
| *1807.21  | HEX BOLT - 3/8-16 X 1-1/4" | 5   |
| *17701.00 | SPACER                     | 4   |

\* For use when using outer mounting holes only

**GAS ENGINE GEAR REDUCTION FOR  
 B/BK/BS/BWT/C/CS/CWT/CK/CX-SERIES PLUNGER PUMPS  
 on GAS ENGINES with 1-1/8" SHAFTS  
 REQUIRES 11.5 OZ. ISO VG 220 GEAR LUBE**



Updated 9-15-2025

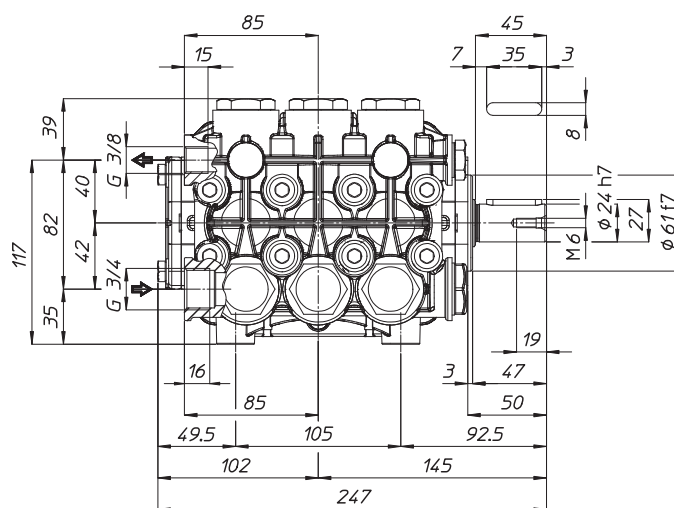
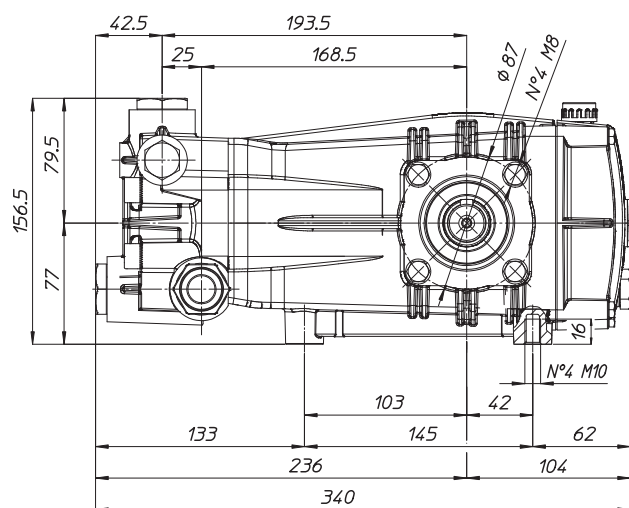
| Part #   | Description              | Qty |
|----------|--------------------------|-----|
| 0004.32  | GEAR - 1-1/8"            | 1   |
| 0007.86  | OIL SEAL - D40 - RBC122X | 1   |
| 0213.27  | PUMP GEAR                | 1   |
| 0214.30  | BEARING - D40 - RBC122X  | 1   |
| 0228.07  | COUPLER - RBC122         | 1   |
| 0516.10  | FLANGE - RBC122          | 1   |
| 0602.07  | GASKET - RC122           | 1   |
| 0602.22  | GASKET - RBC122 HOUSING  | 1   |
| 0614.07  | SET SCREW - M5X8         | 1   |
| 1101.A3  | O-RING                   | 1   |
| 1101.D1  | O-RING                   | 1   |
| 1101.K3  | O-RING                   | 1   |
| *1403.09 | WASHER                   | 4   |

| Part #    | Description                | Qty |
|-----------|----------------------------|-----|
| 1411.02   | WASHER                     | 9   |
| *1411.03  | SERRATED WASHER            | 4   |
| 1412.04   | WASHER                     | 4   |
| 1506.20   | SNAP RING - D40            | 1   |
| 1506.21   | SNAP RING - D80            | 2   |
| 1603.64   | PLUG - 3/8"                | 1   |
| 1603.M6   | OIL SIGHT GLASS            | 1   |
| 1625.11   | OIL PLUG - G3/8"           | 1   |
| 1805.03   | ALLEN BOLT - M8x30         | 13  |
| *1807.21  | HEX BOLT - 3/8-16 X 1-1/4" | 5   |
| *17701.00 | SPACER                     | 4   |

\* For use when using outer mounting holes only

*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  | -        |

