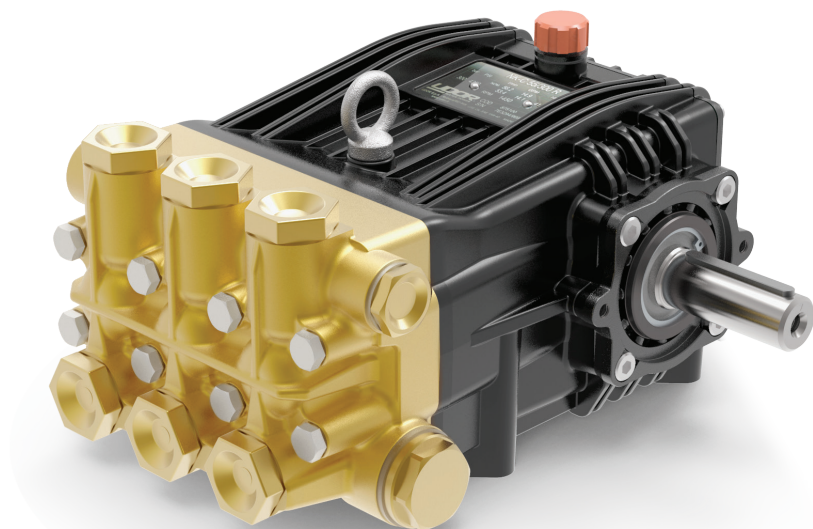




- Brass Manifold
- Solid Ceramic Plungers
- Stainless Steel Plunger Guides and Check Valves
- Bronze Connecting Rods
- Heavy Duty Flat Base High Pressure Seals
- 57.6 oz. Capacity Vented Oil Bath Crank Case
- Max Fluid Temp, 160°F

### NKC Series 30mm Keyed Solid Shaft Plunger Pumps

NKC Series super duty plunger pumps include a wide range of models with flow rates from 9.1 to 37.8 GPM and pressures up to 5075 PSI.

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

Applications include general pressure cleaning,, construction, hydro-excavation UHP fire fighting, mining and street cleaning.

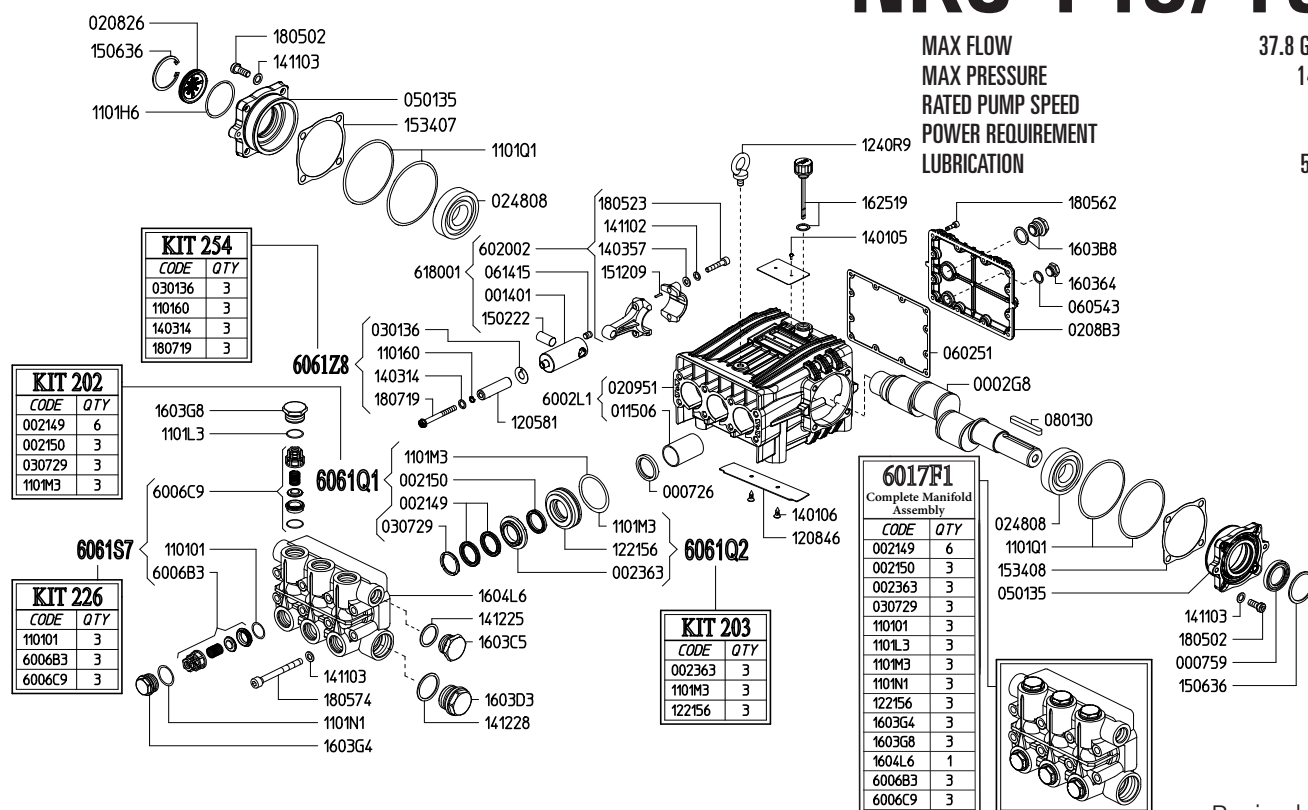
|          | Model          | Flow |       | Pressure |     | Plunger Dia. | Crankshaft |      | Power     | Seal Kit | Valve Kit | Wt.    |
|----------|----------------|------|-------|----------|-----|--------------|------------|------|-----------|----------|-----------|--------|
|          |                | GPM  | l/min | PSI      | bar |              | Stroke     | Code |           |          |           |        |
| 1450 RPM | A NK 35/350 R  | 9.1  | 34.6  | 5075     | 350 | 22mm         | 22.0mm     | 3    | 31.0 EBHP | 6061.10  | 6061.J1   | 67 lbs |
|          | A NK 47/350 R  | 12.5 | 47.1  | 5075     | 350 | 22mm         | 30.0mm     | F    | 42.5 EBHP | 6061.10  | 6061.J1   | 67 lbs |
|          | A NK 55/300 R  | 14.1 | 53.4  | 4350     | 300 | 22mm         | 34.0mm     | 7    | 41.1 EBHP | 6061.10  | 6061.J1   | 67 lbs |
|          | A NK 60/250 R  | 16.1 | 60.9  | 3625     | 250 | 25mm         | 30.0mm     | F    | 39.0 EBHP | 6061.11  | 6061.94   | 67 lbs |
|          | A NK 70/250 R  | 18.2 | 69.0  | 3625     | 250 | 25mm         | 34.0mm     | 7    | 44.2 EBHP | 6061.11  | 6061.94   | 67 lbs |
|          | B NK 75/170 R  | 19.9 | 75.1  | 2465     | 170 | 28mm         | 30.0mm     | F    | 32.8 EBHP | 6061.12  | 6061.M6   | 67 lbs |
|          | B NK 85/170 R  | 23.0 | 87.0  | 2465     | 170 | 28mm         | 34.0mm     | 7    | 37.9 EBHP | 6061.12  | 6061.M6   | 67 lbs |
|          | B NK 100/150 R | 26.4 | 100.0 | 2175     | 150 | 30mm         | 34.0mm     | 7    | 38.4 EBHP | 6072.02  | 6061.M6   | 67 lbs |
|          | C NK 130/130 R | 33.3 | 126.2 | 1885     | 130 | 36mm         | 30.0mm     | F    | 42.1 EBHP | 6061.Q1  | 6061.S7   | 67 lbs |
|          | C NK 145/100 R | 37.8 | 143.0 | 1450     | 100 | 36mm         | 34.0mm     | 7    | 36.7 EBHP | 6061.Q1  | 6061.S7   | 67 lbs |

NOTE: All pump models available with left-hand drive option. Substitute 'L' for "R" in model number when ordering (ex. NK 145/100 L)



MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
POWER REQUIREMENT  
LUBRICATION

37.8 GPM / 143.0 L/MIN  
1450 PSI / 100 BAR  
1450 RPM  
36.7 HP ELECTRIC  
57.6 OZ UDOR LUBE



Revised 2-23-2022

| Part #  | Description                                | Qty | Part #  | Description                         | Qty |
|---------|--------------------------------------------|-----|---------|-------------------------------------|-----|
| 0002.G8 | CRANKSHAFT 30MM                            | 1   | 1411.03 | WASHER                              | 16  |
| 0007.26 | OIL SEAL D35                               | 3   | 1412.25 | BONDED WASHER D33.9 (G1")           | 1   |
| 0007.59 | OIL SEAL                                   | 1   | 1412.28 | BONDED WASHER D42.9 (G1-1/4")       | 1   |
| 0014.01 | PLUNGER GUIDE                              | 3   | 1502.22 | PIN                                 | 3   |
| 0021.49 | HIGH PRESSURE SEAL D36 <sup>B E</sup>      | 6   | 1506.36 | SNAP RING                           | 2   |
| 0021.50 | LOW PRESSURE SEAL D36 <sup>B E</sup>       | 3   | 1512.09 | PIN D5X20                           | 6   |
| 0023.63 | UPPER RING D36 <sup>D E</sup>              | 3   | 1534.07 | GASKET - BEARING FLANGE             | 1   |
| 0115.06 | BUSHING D35                                | 3   | 1534.08 | SPACER / GASKET                     | 1   |
| 0208.26 | OIL SIGHT GLASS                            | 1   | 1603.64 | PLUG 3/8"                           | 1   |
| 0208.B3 | BACK COVER                                 | 1   | 1603.B8 | OIL SIGHT GLASS W/GASKET            | 1   |
| 0209.51 | CRANKCASE                                  | 1   | 1603.C5 | PLUG G1"                            | 1   |
| 0248.08 | BALL BEARING                               | 2   | 1603.D3 | PLUG G1-1/4"                        | 1   |
| 0301.36 | SLINGER RING <sup>A</sup>                  | 3   | 1603.G4 | VALVE PLUG - INLET <sup>E</sup>     | 3   |
| 0302.13 | SPACER                                     | 3   | 1603.G8 | VALVE PLUG - DISCHARGE <sup>E</sup> | 3   |
| 0307.29 | BACK UP RING <sup>B E</sup>                | 3   | 1604.L6 | HEAD D36 <sup>E</sup>               | 1   |
| 0501.35 | BEARING FLANGE                             | 2   | 1625.19 | OIL CAP W/GASKET                    | 1   |
| 0602.51 | GASKET - PUMP BODY                         | 1   | 1805.02 | ALLEN BOLT                          | 8   |
| 0605.43 | GASKET - D17                               | 1   | 1805.23 | ALLEN BOLT M8X40                    | 6   |
| 0614.15 | SET SCREW                                  | 3   | 1805.62 | ALLEN BOLT M6X20                    | 12  |
| 0801.30 | KEY                                        | 1   | 1805.74 | ALLEN BOLT M10X110                  | 8   |
| 1101.01 | O-RING - INLET VALVE <sup>C E</sup>        | 3   | 1807.19 | PLUNGER BOLT <sup>A</sup>           | 3   |
| 1101.60 | O-RING - PLUNGER BOLT <sup>A</sup>         | 3   | 6002.L1 | CRANKCASE ASSEMBLY                  | 1   |
| 1101.H6 | O-RING - OIL SIGHT GLASS                   | 1   | 6006.B3 | VALVE - INLET <sup>C E</sup>        | 3   |
| 1101.L3 | O-RING - VALVE PLUG DISCHARGE <sup>E</sup> | 3   | 6006.C9 | VALVE - DISCHARGE <sup>C E</sup>    | 3   |
| 1101.M3 | O-RING - PRESSURE RING <sup>B D E</sup>    | 3   | 6017.F1 | COMPLETE MANIFOLD ASSEMBLY NK D36   | 1   |
| 1101.N1 | O-RING - VALVE PLUG INLET <sup>E</sup>     | 3   | 6020.02 | CONNECTING ROD                      | 3   |
| 1101.Q1 | O-RING - BEARING FLANGE                    | 4   | 6180.01 | CONNECTING ROD ASS'Y COMPLETE       | 3   |
| 1205.81 | CERAMIC PLUNGER D36                        | 3   | 6061.Q1 | WATER SEAL KIT (KIT 202)            | 1   |
| 1208.46 | PLATE                                      | 1   | 6061.Q2 | BRASS RING KIT D36 (KIT 203)        | 1   |
| 1221.56 | PRESSURE RING D36 <sup>D E</sup>           | 3   | 6061.S7 | VALVE KIT (KIT 226)                 | 1   |
| 1240.R9 | LIFTING HOOK M10                           | 1   | 6061.Z8 | PLUNGER BOLT KIT (KIT 254)          | 1   |
| 1401.05 | RIVET 3.5X8                                | 2   |         |                                     |     |
| 1401.06 | RIVET D4X10                                | 2   |         |                                     |     |
| 1403.14 | WASHER - PLUNGER BOLT <sup>A</sup>         | 3   |         |                                     |     |
| 1403.57 | WASHER M8                                  | 6   |         |                                     |     |
| 1411.02 | SERRATED WASHER D8                         | 6   |         |                                     |     |

<sup>A</sup> Parts in 6061.Z8 (Kit 254).

<sup>B</sup> Parts in 6061.Q1 (Kit 202).

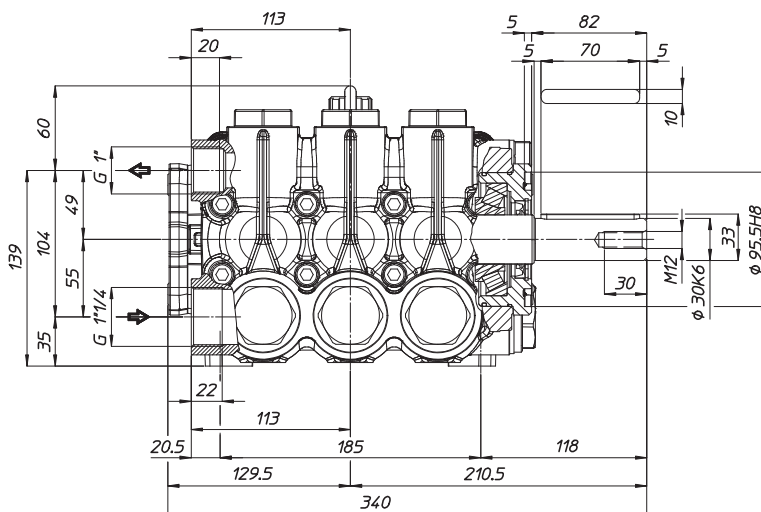
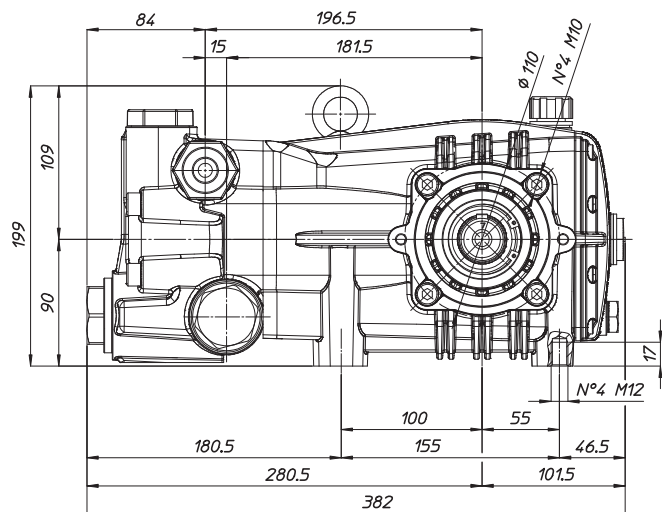
<sup>C</sup> Parts in 6061.S7 (Kit 226).

<sup>D</sup> Parts in 6061.Q2 (Kit 203).

<sup>E</sup> Parts in 6017.F1 (Complete Manifold Assembly).

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

# NK SERIES PUMPS 36mm Plungers



## TORQUE SPECS

| Ref. | Description          | Ft./lb. | Nm  | Loctite® |
|------|----------------------|---------|-----|----------|
| 1    | Head Bolts           | 37      | 50  | -        |
| 2    | Valve Caps           | 88      | 120 | 243      |
| 3    | Inlet Cap            | 133     | 180 | -        |
| 4    | Outlet Cap           | 88      | 120 | 243      |
| 5    | Bearing Flange Bolts | 37      | 50  | -        |
| 6    | Rear Cover Bolts     | 8       | 11  | -        |
| 7    | Connecting Rod Bolts | 19      | 25  | 243      |
| 8    | Plunger Bolts        | 22      | 30  | 270      |
| 9    | Valve Cover Bolts    | -       | -   | -        |
| 10   | Oil Drain Plug       | 8       | 11  | -        |

