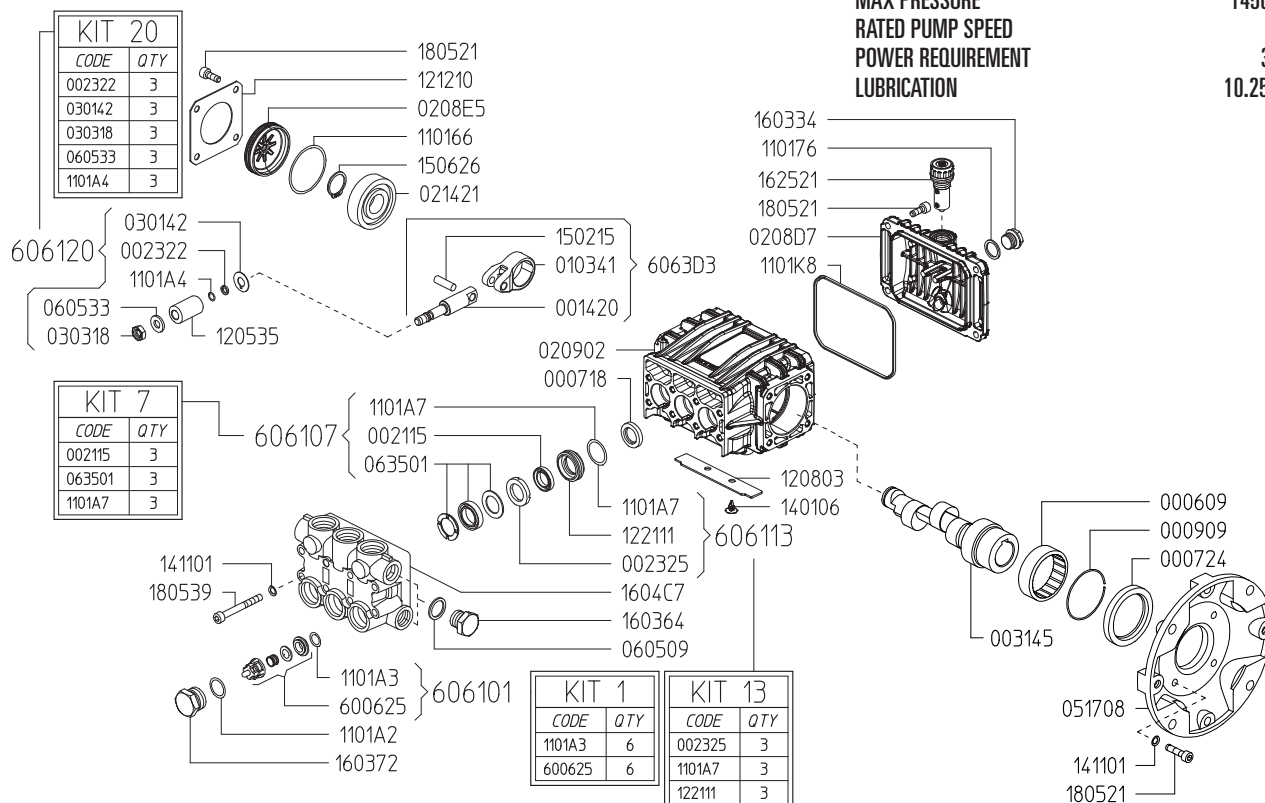


MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
POWER REQUIREMENT  
LUBRICATION

3.0 GPM / 11.4 L/MIN  
1450 PSI / 100 BAR  
1750 RPM  
3.0 HP ELECTRIC  
10.25 OZ UDOR LUBE



Revised 10-3-2024

| Part #  | Description                                  | Qty | Part #  | Description                                 | Qty |
|---------|----------------------------------------------|-----|---------|---------------------------------------------|-----|
| 0006.09 | BUSHING D45X52X16 HK45-16                    | 1   | 1101.K8 | O-RING - BACK COVER                         | 1   |
| 0007.18 | OIL SEAL D15X24X4                            | 3   | 1205.35 | CERAMIC PLUNGER D15X30 "PN"                 | 3   |
| 0007.24 | OIL SEAL D40X52X7                            | 1   | 1208.03 | COVER - PN 2024                             | 1   |
| 0009.09 | ELASTIC RING D52X2.5                         | 1   | 1212.10 | METAL COVER "PN"                            | 1   |
| 0014.20 | PLUNGER GUIDE D15/18 "PN"                    | 3   | 1221.11 | LOW PRESS. SEAL RETAINER D15 <sup>C E</sup> | 3   |
| 0021.15 | WATER SEAL LP. D15 <sup>B E</sup>            | 3   | 1401.06 | RIVED D4X10                                 | 2   |
| 0023.22 | RING D6.3X9X1.3 2021 "PN/C/G" <sup>C E</sup> | 3   | 1411.01 | SERATED WASHER D6                           | 12  |
| 0023.25 | INTERMEDIATE RING D15 "PN"                   | 3   | 1502.15 | PIN D7X25.5                                 | 3   |
| 0031.45 | HOLLOW SHAFT "PN" D5/8"                      | 1   | 1506.26 | SNAP RING D20                               | 1   |
| 0103.41 | CONNECTING ROD "PN/PS"                       | 3   | 1603.34 | PLUG G1/4                                   | 1   |
| 0208.D7 | BACK COVER "PN"                              | 1   | 1603.64 | PLUG G3/8                                   | 1   |
| 0208.E5 | COVER "PN"                                   | 1   | 1603.69 | OIL PLUG G1/4+GASKET                        | 1   |
| 0209.02 | CRANKCASE "PN/PS"                            | 1   | 1603.72 | VALVE PLUG "PN"PISTON D15/18 <sup>A</sup>   | 3   |
| 0214.21 | BALL BEARING D20X52X15                       | 1   | 1604.C7 | HEAD "PN" PISTON D15/18 ALUMINUM            | 1   |
| 0301.42 | SLINGER RING "PN/PK/PKWT/PS" <sup>D</sup>    | 3   | 1625.21 | OIL PLUG G3/8 "PN"                          | 1   |
| 0303.18 | NUT "PN/PK/PKWT/PS M8XH5 <sup>D</sup>        | 3   | 1805.21 | ALLEN BOLT M6X22                            | 12  |
| 0517.08 | ENGINE FLANGE "PN" NEMA 56H                  | 1   | 1805.39 | ALLEN BOLT M6X60                            | 8   |
| 0605.09 | GASKET D17X23X1.5 (G3/8)                     | 1   | 6006.25 | VALVE ASSY "PN" W/O O-RING <sup>A E</sup>   | 6   |
| 0605.33 | GASKET D8X14X2 <sup>D</sup>                  | 3   | 6017.20 | COMPLETE MANIFOLD ASSEMBLY                  | 1   |
| 0635.01 | HIGH PRESS. SEAL ASSY D15 <sup>B E</sup>     | 3   | 6061.01 | KIT 1 - VALVE KIT "PN/PW"                   | 1   |
| 1101.66 | O-RING - BEARING COVER                       | 1   | 6061.07 | KIT 7 - WATER SEAL KIT D15 "PN/PK"          | 1   |
| 1101.76 | O-RING - OIL PLUG                            | 1   | 6061.13 | KIT 13 - BRASS RING KIT D15 "PN"            | 1   |
| 1101.A2 | O-RING - VALVE CAP <sup>E</sup>              | 6   | 6061.20 | Kit 20 - PLUNGER KIT D15/18 "PN"            | 1   |
| 1101.A3 | O-RING - VALVE <sup>A E</sup>                | 6   |         |                                             |     |
| 1101.A4 | O-RING - PLUNGER <sup>D</sup>                | 3   |         |                                             |     |
| 1101.A7 | O-RING - LP SEAL RETAINER <sup>B C E</sup>   | 3   |         |                                             |     |

<sup>A</sup> Parts in 6061.01 (Kit 1).

<sup>B</sup> Parts in 6061.07 (Kit 7).

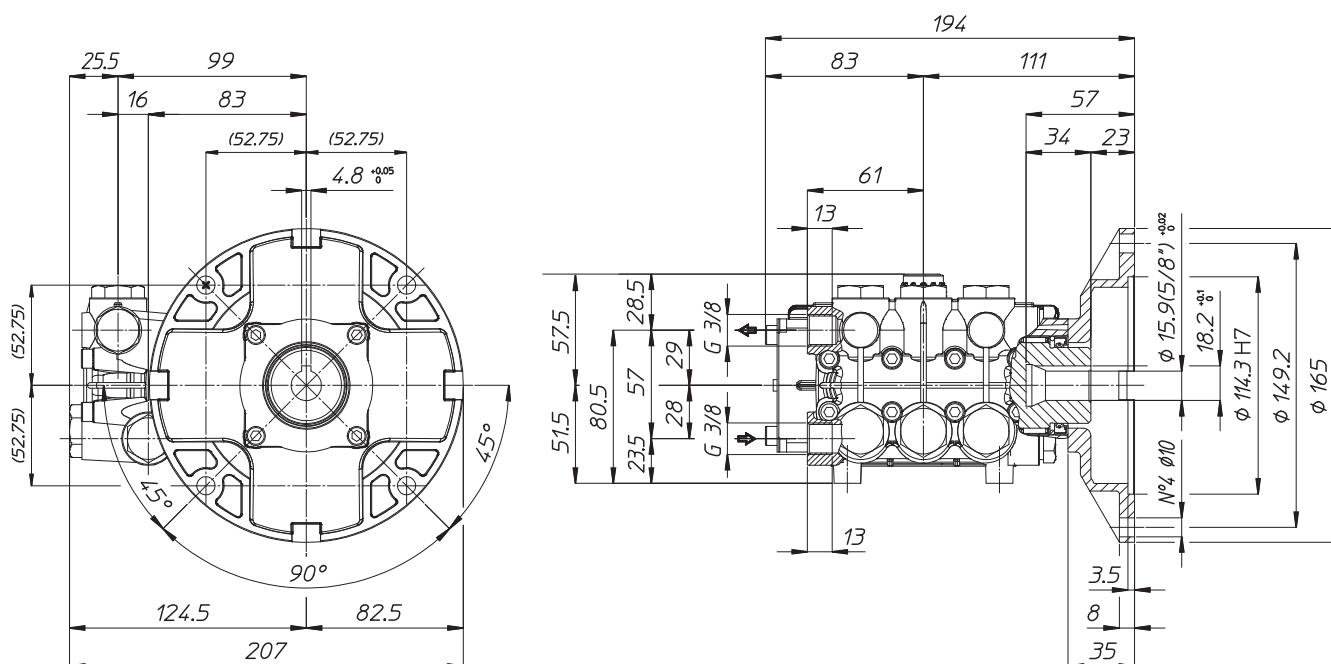
<sup>C</sup> Parts in 6061.13 (Kit 13).

<sup>D</sup> Parts in 6061.20 (Kit 20).

<sup>E</sup> Parts in 6017.20 (Complete Manifold Assembly).

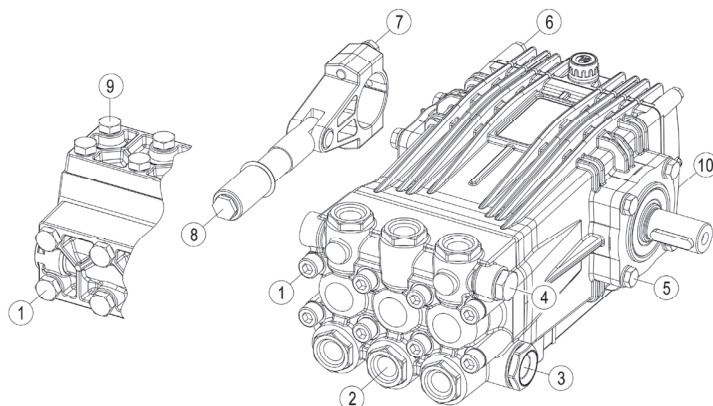
*Dimensional Drawings are  
Shown in Millimeters.  
To Convert to Inches,  
Multiply Dimension x 0.03937*

## PN SERIES PUMPS - 5/8" HOLLOW SHAFT w/ NEMA 56C FLANGE



## TORQUE SPECS

| Ref. | Description          | Ft./lb. | Nm  | Loctite® |
|------|----------------------|---------|-----|----------|
| 1    | Head Bolts           | 8       | 11  | -        |
| 2    | Valve Caps           | 75      | 100 | 243      |
| 3    | Inlet Cap            | 60      | 80  | -        |
| 4    | Outlet Cap           | 60      | 80  | 243      |
| 5    | Bearing Flange Bolts | 8       | 11  | -        |
| 6    | Rear Cover Bolts     | 8       | 11  | -        |
| 7    | Connecting Rod Bolts | -       | -   | -        |
| 8    | Plunger Bolts        | 11      | 15  | 270      |
| 9    | Valve Cover Bolts    | -       | -   | -        |
| 10   | Oil Drain Plug       | 6       | 8   | -        |



## PARTS BREAKDOWN FOR MODEL FH3 &amp; EL-FHT

Serial Numbers after 65326

RICE HYDRO, INC.

| PART NUMBER..       | DESCRIPTION..                    | QTY<br>REQ'D |
|---------------------|----------------------------------|--------------|
| UD04-0006.09        | BEARING                          | 1            |
| UD04-0007.18        | SEAL                             | 3            |
| UD04-0007.24        | SEAL                             | 1            |
| UD04-0009.09        | RETAINER CLIP                    | 1            |
| UD04-0014.20        | PLUNGER ROD                      | 3            |
| UD04-0021.15        | WATER SEAL                       | 3            |
| UD04-0023.22        | SUPPORT RING                     | 1            |
| UD04-0023.25        | INTERMEDIATE RING                | 3            |
| UD04-0031.45        | CRANKSHAFT                       | 1            |
| UD04-0103.41        | ALUMINUM CONNECTING ROD          | 3            |
| UD04-0208.D7        | BACK COVER                       | 1            |
| UD04-0208.E5        | COVER                            | 1            |
| UD04-0209.02        | CRANKCASE                        | 1            |
| UD04-0214.21        | BEARING                          | 1            |
| UD04-0301.42        | SLINGER RING                     | 1            |
| UD04-0303.18        | PLUNGER NUT                      | 1            |
| UD04-0517.08        | ELECTRIC FLANGE                  | 1            |
| UD02-0605.09        | GASKET                           | 1            |
| UD04-0605.33        | GASKET                           | 3            |
| UD04-0635.01        | HIGH PRESSURE SEAL ASSY          | 3            |
| UD04-1101.66        | O-RING- BEARING COVER            | 1            |
| UD04-1101.76        | O-RING - OIL PLUG                | 1            |
| UD04-1101.A2        | O-RING - VALVE CAP               | 6            |
| UD04-1101.A3        | O-RING - VALVE                   | 6            |
| UD04-1101.A4        | O-RING - PLUNGER                 | 3            |
| UD04-1101.A7        | O-RING - LP SEAL RETAINER        | 3            |
| UD04-1101.K8        | O-RING - BACK COVER              | 1            |
| UD04-1205.35        | PLUNGER - 15 MM                  | 3            |
| UD04-1208.03        | COVER                            | 1            |
| UD04-1212.10        | SIDE PLATE                       | 1            |
| UD04-1221.11        | LOW PRESSURE SEAL RETAINER       | 3            |
| UD04-1411.01        | WASHER                           | 12           |
| UD04-1502.15        | CONNECTING ROD PIN               | 3            |
| UD04-1506.26        | SNAP RING                        | 1            |
| UD04-1603.34        | PLUG                             | 1            |
| UD04-1603.64        | 3/8" PLUG                        | 1            |
| UD04-1603.69        | SIGHT GLASS                      | 1            |
| UD04-1603.72        | VALVE CAP                        | 6            |
| UD04-1604.C7        | ALUMINUM MANIFOLD                | 1            |
| UD04-1625.21        | OIL PLUG                         | 1            |
| UD04-1805.21        | BOLT                             | 12           |
| UD04-1805.39        | BOLT                             | 8            |
| UD04-6006.25        | VALVE ASSY w/o O-RING            | 6            |
| CHECKVALVE-1/2F     | 1/2" FEMALE CHECKVALVE           | 1            |
| BALLVALVE-1/2       | 1/2" BLEED VALVE                 | 1            |
| BALLVALVE-S-1&1/2   | STAINLESS STEEL BALLVALVE        | 4            |
| GAUGE-600           | 0-600 PSI LIQUID GAUGE           | 1            |
| VALVE-RELIEF-500PSI | 50-500 PSI PRESSURE REGULATOR    | 1            |
| HOSE-1/2X2-RH       | FH SERIES HOSE                   | 1            |
| SWIVEL-INLET-FH3    | 2&1/2" FEMALE SWIVEL INLET       | 1            |
| ADAPTER-NST-1&1/2   | 1&1/2" NPT X NST OUTLET ADAPTER  | 2 or 4       |
| ADAPTER-NST-2&1/2   | 2&1/2" NPT X NST OUTLET ADAPTER  | 2 or 4       |
| CASTER-SWIVEL-4     | 4" SWIVEL CASTER                 | 2            |
| CASTER-RIGID-4      | 4" RIGID CASTER                  | 2            |
| LABEL-KIT-FH        | INSTRUCTION AND CAUTION STICKERS | 1            |
| PUMP-PLGR-3/5       | TRIPLEX PLUNGER PUMP             | 1            |
| MOTOR-1HP-CFACE     | 1HP 110/220V 1 PHASE 50/60HZ     | 1            |

## PARTS BREAKDOWN FOR MODEL FH3 &amp; EL-FHT

Serial Numbers after 65326

RICE HYDRO, INC.

| PART NUMBER.. | DESCRIPTION..           | REQ'D |
|---------------|-------------------------|-------|
| KITS:         | *Kits are all inclusive |       |
| UD04-6061.01  | VALVE KIT               | 1     |
| UD04-6061.07  | SEAL KIT                | 1     |
| UD04-6061.13  | BRASS KIT               | 1     |
| UD04-6061.20  | PLUNGER O-RING KIT      | 1     |