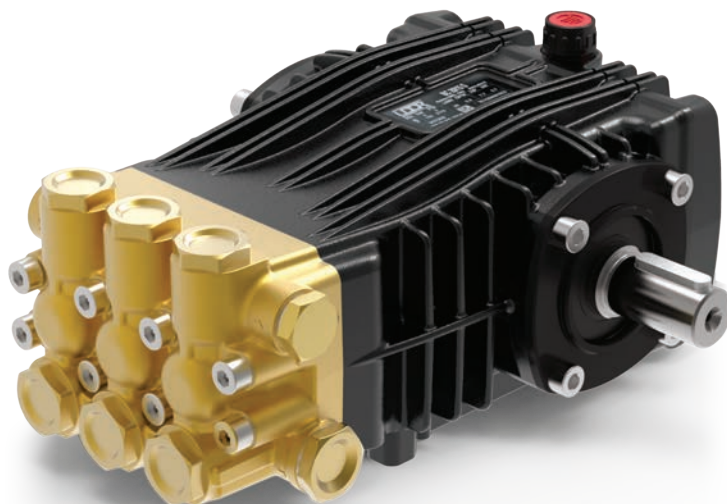




- Brass Manifolds
- Industrial Quality Tapered Roller Bearings
- PTFE Packings
- Solid Ceramic Plungers
- Stainless Steel Check Valves
- Heated Treated Crank Shafts
- Stainless Steel Piston Guides
- Replaceable PTFE Body Guides

### TCB Series 24mm Keyed Solid Shaft Plunger Pumps

TCB Series Tool Coolant plunger pumps are designed to withstand the wear and tear of the tool coolant industry. Pumps feature PTFE seals for increased durability in harsh conditions

TCB Series pumps are also available with a 1-1/8" hollow shaft with 182/184 electric motor mounting flange and set screw.

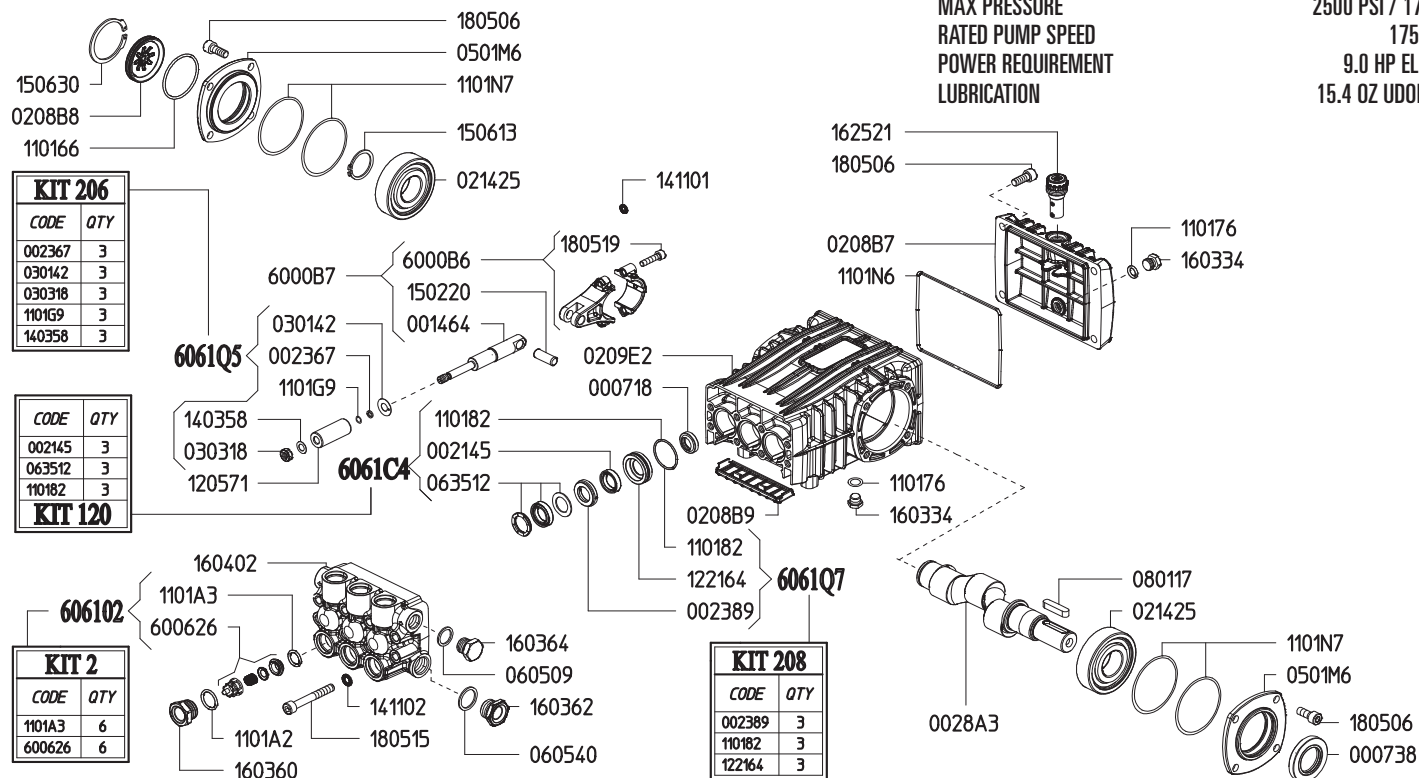
|          | Model               | Flow |       | Pressure |     | Plunger<br>Dia. | Crankshaft |      | Power    | Seal Kit | Valve Kit | Wt.    |
|----------|---------------------|------|-------|----------|-----|-----------------|------------|------|----------|----------|-----------|--------|
|          |                     | GPM  | l/min | PSI      | bar |                 | Stroke     | Code |          |          |           |        |
| 1750 RPM | <b>TCB 5.0/25 S</b> | 5.0  | 19    | 2500     | 170 | 18mm            | 14.5mm     | I    | 7.5 EBHP | 6061.C4  | 6061.02   | 20 lbs |

NOTE: All pump models available with left-hand drive option. Add 'L' to model number when ordering (ex. TC 44/15 SL)



MAX FLOW  
MAX PRESSURE  
RATED PUMP SPEED  
POWER REQUIREMENT  
LUBRICATION

5.0 GPM / 19 L/MIN  
2500 PSI / 170 BAR  
1750 RPM  
9.0 HP ELECTRIC  
15.4 OZ UDOR LUBE



Revised 8-8-2025

| Part #  | Description                                  | Qty |
|---------|----------------------------------------------|-----|
| 0007.18 | OIL SEAL D15X24X5                            | 3   |
| 0007.38 | OIL SEAL D30                                 | 1   |
| 0014.64 | PLUNGER GUIDE "B/BK"                         | 3   |
| 0021.45 | WATER SEAL LP PTFE D18 <sup>B</sup>          | 3   |
| 0023.67 | RING D5.2X8X1.3 <sup>C</sup>                 | 3   |
| 0023.89 | UPPER RING D18 "B/BK" <sup>D</sup>           | 3   |
| 0028.A3 | MALE SHAFT "B/BK" D24                        | 1   |
| 0208.B7 | BACK COVER "B/BK"                            | 1   |
| 0208.B8 | COVER "B/BK"                                 | 1   |
| 0208.B9 | COVER "B/BK"                                 | 1   |
| 0209.E2 | CRANKCASE "B-X/BK-X"                         | 1   |
| 0214.25 | BALL BEARING D30                             | 2   |
| 0301.42 | DISC <sup>C</sup>                            | 3   |
| 0303.18 | NUT M8XH5 <sup>C</sup>                       | 3   |
| 0501.M6 | BEARING FLANGE "B/BK"                        | 2   |
| 0605.09 | GASKET D17X23X1.5                            | 1   |
| 0605.40 | GASKET D21.5X27X1.5                          | 1   |
| 0635.12 | HIGH PRESSURE SEAL KIT D18 <sup>B</sup>      | 3   |
| 0801.17 | KEY A8X7X35 UNI6604                          | 1   |
| 1101.66 | O-RING D44.12 (RIF.3175)                     | 3   |
| 1101.76 | O-RING D9.13 (RIF.109)                       | 1   |
| 1101.82 | O-RING D31.47X1.78 (RIF 2125) <sup>B D</sup> | 2   |
| 1101.A2 | O-RING D17.86 (RIF.123)                      | 6   |
| 1101.A3 | O-RING D13.9X2.62 (RIF 3056) <sup>A</sup>    | 6   |
| 1101.G9 | O-RING D4.48 (RIF 2018) <sup>C</sup>         | 3   |
| 1101.N6 | O-RING D126.67 (RIF 3500)                    | 1   |
| 1101.N7 | O-RING D68                                   | 4   |

| Part #  | Description                            | Qty |
|---------|----------------------------------------|-----|
| 1205.71 | CERAMIC PLUNGER D18 "B/BK"             | 3   |
| 1221.64 | PRESSURE RING D18 "B/BK" <sup>D</sup>  | 3   |
| 1403.58 | WASHER D8 <sup>C</sup>                 | 3   |
| 1411.01 | SCHNOOR WASHER D6                      | 6   |
| 1411.02 | SCHNOOR WASHER D8                      | 8   |
| 1502.20 | PIN D10X27                             | 3   |
| 1506.13 | SNAP RING D30                          | 1   |
| 1506.30 | SNAP RING D52                          | 1   |
| 1603.34 | PLUG G1/4                              | 2   |
| 1603.60 | VALVE PLUG D15/18/20                   | 6   |
| 1603.62 | PLUG G1/2                              | 1   |
| 1603.64 | PLUG G3/8                              | 1   |
| 1604.02 | HEAD "B-X"                             | 1   |
| 1625.21 | OIL PLUG G3/8                          | 1   |
| 1805.06 | ALLEN BOLT M8X20                       | 8   |
| 1805.15 | ALLEN BOLT M8X60                       | 8   |
| 1805.19 | ALLEN BOLT M8X25                       | 6   |
| 6000.B6 | ROD ASSY "B/BK"                        | 3   |
| 6006.26 | VALVE ASSY WITHOUT O-RING <sup>A</sup> | 6   |
| 6017.N5 | COMPLETE MANIFOLD ASSEMBLY             | 1   |
| 6061.02 | KIT 2 - VALVE KIT "PK/M/B"             | 1   |
| 6061.C4 | KIT 120 - WATER SEAL KIT - PTFE        | 1   |
| 6061.Q5 | KIT 206 - PLUNGER KIT D15/18 "B/BK"    | 1   |
| 6061.Q7 | KIT 208 - BRASS RING KIT D18 "B/BK"    | 1   |

<sup>A</sup> Parts in 6061.02 (Kit 2).

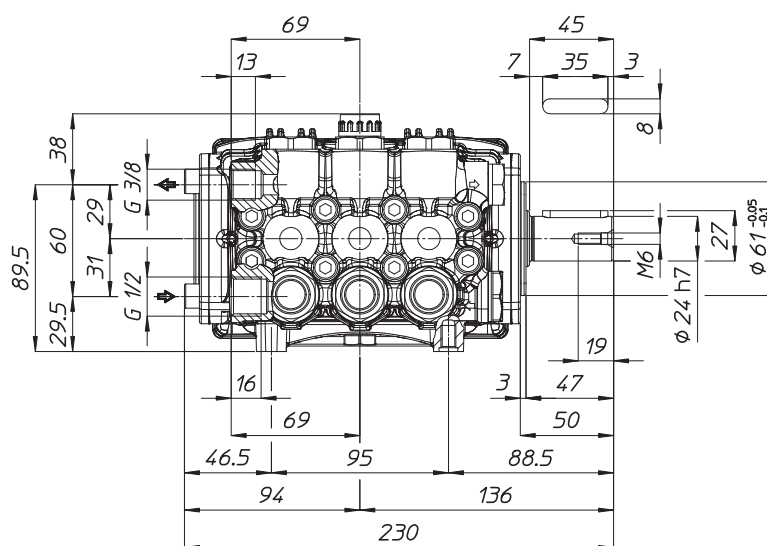
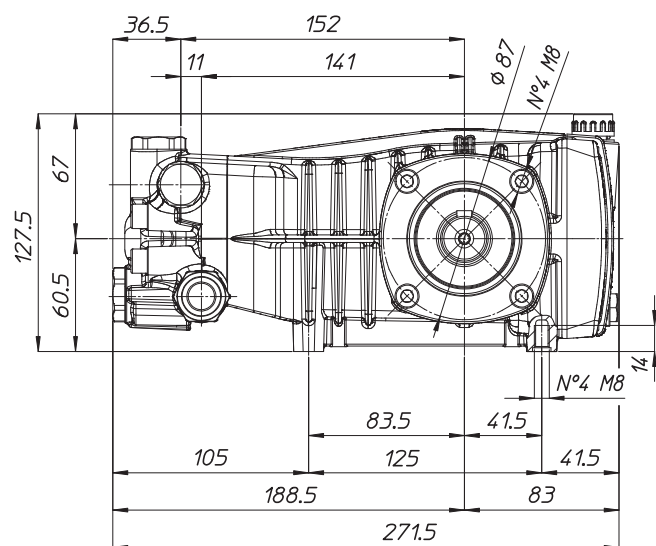
<sup>B</sup> Parts in 6061.C4 (Kit 120).

<sup>C</sup> Parts in 6061.Q5 (Kit 206).

<sup>D</sup> Parts in 6061.Q7 (Kit 208).

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

## TCB SERIES PUMPS - 24MM SOLID SHAFT



## TORQUE SPECS

| Ref. | Description          | Ft./lb. | Nm  | Loctite® |
|------|----------------------|---------|-----|----------|
| 1    | Head Bolts           | 19      | 25  | -        |
| 2    | Valve Caps           | 75      | 100 | 243      |
| 3    | Inlet Cap            | 75      | 100 | 243      |
| 4    | Outlet Cap           | 60      | 80  | 243      |
| 5    | Bearing Flange Bolts | 19      | 25  | -        |
| 6    | Rear Cover Bolts     | 19      | 25  | -        |
| 7    | Connecting Rod Bolts | 9       | 11  | 243      |
| 8    | Plunger Bolts        | 11      | 15  | 270      |
| 9    | Valve Cover Bolts    | -       | -   | -        |
| 10   | Oil Drain Plug       | 19      | 25  | -        |

