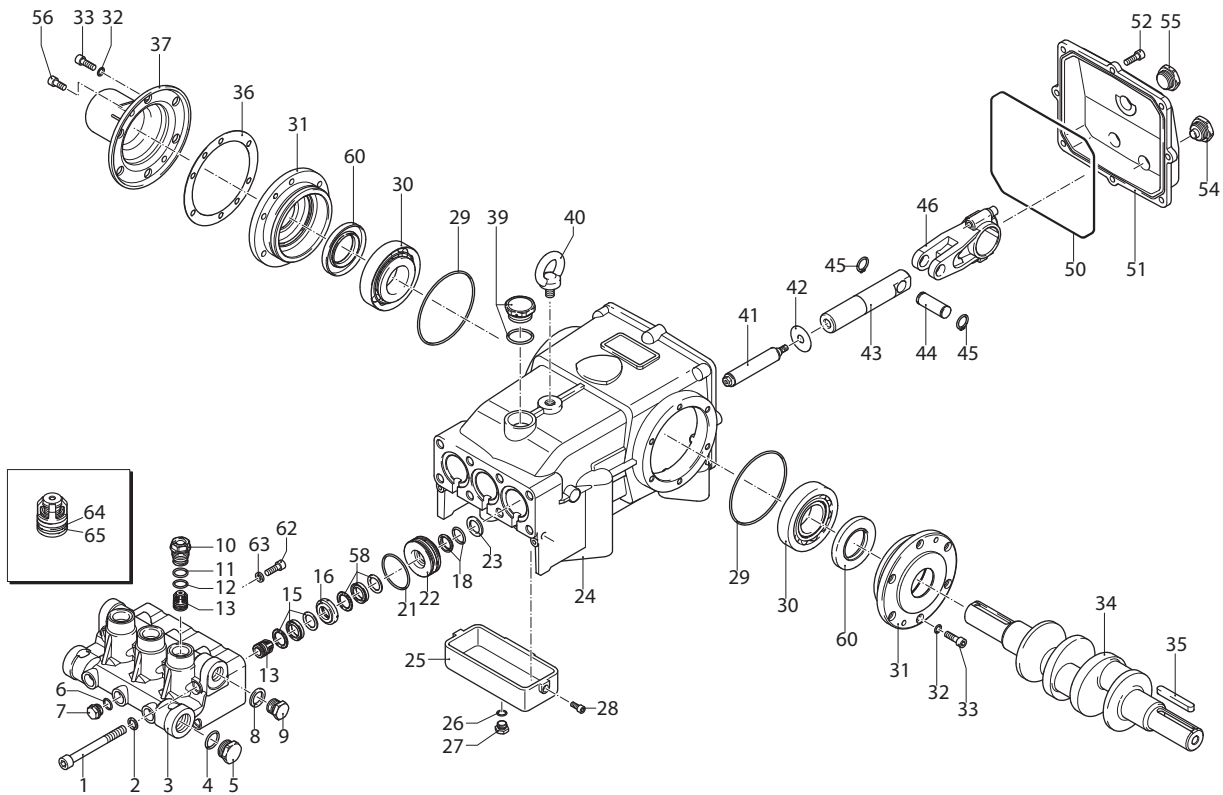
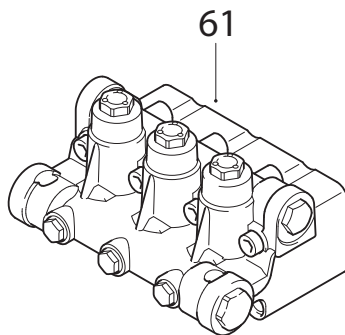




108 - 1

## Complete Pump Head



108 - 2



# RTP 1000 RPM PARTS/KITS

| Pos | Code    | Description                 | Qty | Note             |
|-----|---------|-----------------------------|-----|------------------|
| 1   | 2820290 | Head Bolt TCEI M12x110      | 8   | (752 in/lbs)     |
| 2   | 2820470 | Washer                      | 8   |                  |
| 3   | 2820020 | Blank Pump Head             | 1   |                  |
| 4   | 770260  | O-Ring Ø 23.52x1.78         | 1   |                  |
| 5   | 1140480 | Plug 3/4" G, H              | 1   | (310 in/lbs)     |
| 6   | 740290  | O-Ring Ø14x1.78             | 1   |                  |
| 7   | 1981180 | Plug 3/8" G, H              | 1   | (221 in/lbs)     |
| 8   | 1540120 | Washer                      | 1   |                  |
| 9   | 2820490 | Plug 1/2" G, H              | 1   |                  |
| 10  | 2820110 | Valve Cap SST               | 3   | ● (531 in/lbs)   |
|     | 1941800 | Valve Cap H                 | 3   | ▽ ○ (531 in/lbs) |
| 11  | 1941070 | Fiber Ring                  | 3   |                  |
| 12  | 880830  | O-Ring Ø15.54x2.62          | 3   |                  |
| 13  | 2829050 | Complete valve              | 6   |                  |
| 15  | 2822630 | High Pressure Water Seal    | 3   |                  |
| 16  | 2821710 | Front Piston Guide SST      | 3   | ●                |
|     | 2820380 | Front Piston Guide Brass    | 3   | ▽ ○              |
| 18  | 2820460 | Gasket                      | 3   |                  |
| 21  | 2820480 | O-Ring Ø52.07x2.62          | 3   |                  |
| 22  | 2820390 | Rear Piston Guide Brass     | 3   |                  |
| 23  | 2822620 | Oil Seal                    | 3   |                  |
| 24  | 2820010 | Pump Body                   | 1   |                  |
| 25  | 2820060 | Casing Insert               | 1   |                  |
| 26  | 820510  | O-Ring Ø10.82x1.78          | 1   |                  |
| 27  | 880581  | Plug 1/4G, Brass            | 1   | (133 in/lbs)     |
| 28  | 1343020 | Bolt TCEI M6x16             | 3   | (88 in/lbs)      |
| 29  | 651540  | O-Ring Ø107.62x2.62         | 2   |                  |
| 30  | 2820370 | Bearing                     | 2   |                  |
| 31  | 2820040 | Cover standard              | 2   |                  |
| 32  | 1381850 | Washer                      | 18  |                  |
| 33  | 540290  | Bolt TCEI M8x25             | 12  | (221 in/lbs)     |
| 34  | 2821740 | Crankshaft 35mm 2C ID Stamp | 1   | ▽ ○              |
|     | 2821730 | Crankshaft 35mm 1C ID Stamp | 1   | ●                |
| 35  | 2820280 | Key 10x8x70                 | 1   |                  |
| 36  | 2820090 | Shim 0.05mm                 | 1-3 |                  |
|     | 2820180 | Shim 0.10mm                 | 1-3 |                  |
|     | 2820190 | Shim 0.20mm                 | 1-3 |                  |
| 37  | 2820860 | Shaft Cover                 | 1   |                  |
| 39  | 2820320 | Plug                        | 1   | (133 in/lbs)     |
| 40  | 2820330 | Eyebolt (88 in/lbs)         | 1   |                  |
| 41  | 2821910 | Piston Ø 20                 | 3   |                  |
| 42  | 2820130 | Washer (Slinger)            | 3   |                  |
| 43  | 2820850 | Piston Rod                  | 3   |                  |
| 44  | 2820210 | Connecting Rod Pin          | 3   |                  |
| 45  | 2820240 | Retainer Ring               | 6   |                  |
| 46  | 2821760 | Connecting Rod Bronze       | 3   |                  |
| 50  | 2820840 | O-Ring Ø221.92x2.62         | 1   |                  |
| 51  | 2820030 | Rear Cover                  | 1   |                  |
| 52  | 540290  | Bolt TCEI M8x25             | 8   | (221 in/lbs)     |

| Pos | Code    | Description                | Qty | Note         |
|-----|---------|----------------------------|-----|--------------|
| 54  | 2820310 | Plug                       | 1   | (88 in/lbs)  |
| 55  | 2820300 | Oil Sight Glass            | 1   | (88 in/lbs)  |
| 56  | 850250  | Bolt TCEI M8x12            | 2   | (133 in/lbs) |
| 58  | 2820430 | Low Pressure Washer Seal   | 3   |              |
| 60  | 2820350 | Shaft Oil Seal             | 2   |              |
| 61  | 2829203 | Complete Pump Head         | 1   | ●            |
|     | 2829200 | Complete Pump Head         | 1   | ▽ ○          |
| 62  | 850252  | Bolt TCEI M8x12            | 3   | (177 in/lbs) |
| 63  | 2820500 | Sealing Washer             | 3   |              |
| 64  | 880830  | O-Ring Ø 15.54x2.62        | 6   |              |
| 65  | 2820270 | Fiber Ring Ø 19.8x16.4x1.5 | 6   |              |

Pump Oil Part Number: AR645107 (SAE30) (1.07 gal)  
Pump Oil Capacity 110 oz, QTY 1  
Pumps are Prefilled with Oil from the Factory.  
Change oil every 3-5 months or every 500 hours of operation.  
Tightening torque (Tolerance + 0 ÷ -10%)  
H = Nickel Plated  
SST = Stainless Steel

| OPTIONAL PARTS/KITS |                     |                                  |     |      |
|---------------------|---------------------|----------------------------------|-----|------|
| Pos                 | Code                | Description                      | Qty | Note |
| 31                  | 2822370             | Cover - plastic                  | 1   |      |
| 31                  | 2820041             | Hydraulic Side Cover - 2nd cover | 1   |      |
|                     | BRACKET-RTP/RTF/RTJ | Rail Kit                         | 1   |      |
|                     | AR3661600           | Rail 2"                          | 2   |      |
|                     | AR3238657           | Bolt Hex M14 - 2x25mm            | 4   |      |
|                     | AR3238660           | Lock Washer M14                  | 4   |      |

| LEGEND |          |             |      |  |
|--------|----------|-------------|------|--|
| Symbol | Material | Description |      |  |
| ▽      | -        | RTP30       | Ø 20 |  |
| ○      | -        | RTP38       | Ø 20 |  |
| ●      | -        | RTP30.60    | Ø 20 |  |

| Valve Kit 42156 |     |
|-----------------|-----|
| Pos.            | Qty |
| 13              | 6   |

| Piston Kit 42157 |     |
|------------------|-----|
| Pos.             | Qty |
| 41               | 3   |

| Oil Seal Kit 42309 |     |
|--------------------|-----|
| Pos.               | Qty |
| 23                 | 3   |
| 29                 | 2   |
| 50                 | 1   |
| 60                 | 2   |

| Piston Guide Kit 42160 ▽ ○ Kit 42558 ● |     |
|----------------------------------------|-----|
| Pos.                                   | Qty |
| 16                                     | 3   |
| 22                                     | 3   |

| Water Seal Kit 42159 |     |
|----------------------|-----|
| Pos.                 | Qty |
| 15                   | 3   |
| 21                   | 3   |
| 18                   | 3   |
| 58                   | 3   |

COUNTRY OF ORIGIN: ITALY  
LAST UPDATED: DECEMBER 2023