130T-4

A 130 horsepower 4” stroke horizontal triplex single acting plunger pump. Available in nickel-aluminum-bronze fluid end material at pump speeds up to 450 RPM and multiple accessory gear reduction unit ratios.

**Power End Features:**

- Cast iron power frame
- Cast iron crossheads with upper/lower oil grooves
- Replaceable Stainless Steel intermediate rods
- Flooded sump, splash distribution lubrication
- Bronze bearing crosshead pin bushings
- Alloy steel crankshaft with ground journals and polished throws
- Heavy-duty, tapered roller crankshaft bearings
- Precision type, aluminum alloy crankpin bearings
- Ductile Iron connecting rods
- Optional Threaded or Clamp Style Intermediate Rods
- Alloy steel crosshead pins
- Rated rod load is 8590 lbs.

**Fluid End Features:**

- Threaded Valve Covers
- 17-4 Stainless Steel or Niickel Aluminum Bronze Steel stuffing boxes (Includes nuts)
- General Service, Molded Lip or Aramid Fiber plunger packing
- Plungers-Solid Ceramic or Tungsten Carbide coated
- Spherical suction and discharge valves
- Valve Seat & Valve Body: Nitronic 50
- Spring: Inconel
- Cage:316L Stainless Steel
- Severe duty valves with inserts available
**130T-4 Triplex Plunger Pump**

### Specifications

**Pump Size**
- Maximum plunger size x stroke length in (mm): 3 5/8 x 4 (92.1 x 101.6)

**Rated hp at 450 rpm (kw):**
- "L" model: 1750 (12.67k)
- "M" model: 3111 (21.45k)
- "H" model: 5000 (34.47k)

**Rated plunger load, pounds (Kg):**
- 8590 (3899)

**Maximum discharge pressure:**
- "L" model: 1750 (12,070 kPa)
- "M" model: 3111 (21,458 kPa)
- "H" model: 5000 (34,474 kPa)

**Crankshaft extension:** in (mm)
- Diameter: 3 3/4 (95.25)
- Length long side: 8 1/2 (215.9)
- Length short side: 8 5/16 (211.4)
- Keyway (width x depth): 7/8 x 7/16 (22.2 x 11.1)
- Maximum recommended sheave in (mm): 44 (1118)
- Minimum recommended sheave in (mm): 24 (610)

For larger sizes: Contact Factory

**Pinion shaft extension,** if gear reducer is supplied in (mm)
- For belt or chain drive: Contact Factory
- For direct drive: Diameter: 2 3/8 (60.33)
  - Length: 6 1/2 (165.10)
  - Keyway (width x depth): 5/8 x 5/16 (15.9 x 7.9)

**Accessory gear reduction unit:**
- 2.60:1, 3.15:1, 3.42:1, 3.89:1, 4.27:1

**Oil Capacity, gallons (L):**
- Crankcase: 5.5 (20.8)
- Gear Reducer: 3 (11.4)

**Weight, pump only on wood shipping skids pounds (Kg):**
- 2360 (1070.5)
- Gear reducer, approximate pounds (Kg): 500 (226.8)

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### Pump Model Specifications

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Flange Connections</th>
<th>Dimensions in inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Discharge Connection Sizes</td>
<td>Suction Connection Sizes</td>
</tr>
<tr>
<td>130T-4L</td>
<td>2 1/2 (63.5) API-2000 RJ</td>
<td>5 (127) ANSI-150 FF</td>
</tr>
<tr>
<td>130T-4M</td>
<td>1 1/2 (38.1) API-5000 RJ</td>
<td>3 (76.2) ANSI-150 FF</td>
</tr>
<tr>
<td>130T-4H</td>
<td>1 1/2 (38.1) ANSI-2500 RJ</td>
<td>3 (76.2) ANSI-300 FF</td>
</tr>
</tbody>
</table>
## 130T-4 Triplex Plunger Pump

### Performance Data

<table>
<thead>
<tr>
<th>PUMP</th>
<th>English Units</th>
<th>150 RPM</th>
<th>250 RPM</th>
<th>300 RPM</th>
<th>350 RPM</th>
<th>400 RPM</th>
<th>450 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plunger Dia.</td>
<td>Plunger Area Sq. In.</td>
<td>BPD per RPM</td>
<td>GPM per RPM</td>
<td>Max. Press. PSI</td>
<td>BPD</td>
<td>GPM</td>
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<td>130T-4L</td>
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<table>
<thead>
<tr>
<th></th>
<th>Metric Units</th>
<th>150 RPM</th>
<th>250 RPM</th>
<th>300 RPM</th>
<th>350 RPM</th>
<th>400 RPM</th>
<th>450 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plunger Dia.</td>
<td>Plunger Area cm²</td>
<td>M³/Hr per RPM</td>
<td>L/Sec per RPM</td>
<td>Max. Press. kPa</td>
<td>M³/Hr</td>
<td>L/Sec</td>
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<td>8.7</td>
<td>2.4</td>
<td>14.5</td>
</tr>
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</table>

|          | Kilowatts Required | 44 | 73 | 87 | 101 | 116 | 130 |

Volumetric Rate is based on 100% Volumetric Efficiency. Brake Horsepower/Kilowatts Required is based on 90% Mechanical Efficiency. Not all plunger sizes are shown. Contact National-Oilwell for additional information. For operation below 200 RPM, auxiliary lubrication system required.
Accessories

Rotating Right offers a full line of accessories to ensure long trouble free and safe operation of your multiplex pumps.

**Accessories Include:**
- Pulsation Dampeners - Suction & Discharge
- Vibration Shock Switches
- Liquid Level Gauges & Switches
- Pressure Safety Valves
- Plunger Lubricators
- Fire Safety Valves

Expendables

With our worldwide buying power Rotating Right is well equipped to provide a wide range of replacement parts & expendables for virtually all multiplex plunger pumps regardless of make or model. Our expendables inventory includes plungers, packing, brass, valves, bearings, crankshafts, connecting rods and seals.

Repair & Overhauls

Rotating Right service technicians follow strict quality control procedures for every pump repair and overhaul. The use of consistent and reliable re-manufacturing techniques ensure your equipment is returned to you in “Like New” condition.