350Q-5

A 350 horsepower 5” stroke horizontal quintuplex single acting plunger pump. Available in three fluid end materials at pump speeds up to 360 RPM.

**Power End Features:**

- Cast Iron Power Frame
- Forged Steel Crankshaft
- Heavy-Duty, Tapered Roller Crankshaft Bearings
- Precision type, Aluminum Alloy Crankpin Bearings
- Ductile Iron Connecting Rods
- Alloy steel crosshead pins
- Bronze bearing crosshead pin bushings
- Cast iron crossheads with upper/lower oil grooves
- Stainless steel extension rods
- External pressure lubrication
- Rated rod load is 13850 lbs.

**Fluid End Features:**

- Alloy steel crosshead pins
- Bronze bearing crosshead pin bushings
- Cast iron crossheads with upper/lower oil grooves
- Stainless steel extension rods
- External pressure lubrication
- Fluid end with bolted type valve covers
- Removable stuffing boxes & glands
- Plungers -Solid Ceramic, or Tungsten Coated
- General Service Plunger Packing
350Q-5 Quintuplex Plunger Pump

Specifications

Pump Size:
- maximum plunger size x stroke length, in.(mm): 4.000 x 5.000 (101.6 x 127)

Rated BHP (kW) at 360 RPM: 350 (261)

Rated plunger load, pounds (kg): 13850 (6282)

Maximum discharge pressure: psi (kPa)
- "L" model: 1670 (11511)
- "M" model: 3483 (24017)
- "H" model: 6000 (41369)

Crankshaft extension:
- Diameter, in.(mm): 4.937 (125.4)
- Length, in.(mm): 10.188 (258.8)
- Keyway width x depth, in.(mm): 1 1/4 x 5/8 (31.8 x 15.9)
- Maximum recommended sheave diameter, in.(mm): 63 (1346.2)

For larger sizes: Contact Factory

Oil Capacity, gallons (L)
- Crankcase: 25.0 (94.63)

Weight, pump only on wood shipping skids, pounds (kg): 9000 (4082)

Standard Materials For Fluid End Bodies:
- "L" & "M" models
  - Cast Nickel-Aluminum-Bronze
  - Cast Duplex Stainless Steel
  - Forged/Plate Carbon Steel
- "H" model
  - Forged Carbon Steel
  - Forged Nickel-Aluminum-Bronze

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Discharge Connection Sizes</th>
<th>Suction Connection Sizes</th>
<th>Dimensions (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>350Q-5L</td>
<td>4 (101.6)-API 2000 RJ</td>
<td>8 (203.2)-ANSI 300 FF</td>
<td>A 6 1/2  B 9 1/2  C 45  D 52  E 53 7/8  F 77 3/4  G 12 1/2  H 5</td>
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<tr>
<td>350Q-5M</td>
<td>3 (76.12)-ANSI 1500 FF</td>
<td>6 (152.4)-ANSI 300 FF</td>
<td>A 6  B 8  C 45 1/2  D 51 1/2  E 53 1/2  F 76 1/8  G 12 5/8  H 2 1/4</td>
</tr>
<tr>
<td>350Q-5H</td>
<td>2 (50.8)-ANSI 2500 RF</td>
<td>4 (101.6)-ANSI 300 RF</td>
<td>A 10 3/8  B 0  C 52  D 49 3/4  E 52  F 80 3/4  G 15  H 7</td>
</tr>
</tbody>
</table>
## Performance Data

### English Units

| PUMP | Plunger Dia. Sq. In. | BPD per RPM | GPM per RPM | Max. Press. Psig | BPD | GPM | BPD | GPM | BPD | GPM | BPD | GPM | BPD | GPM | BPD | GPM | BPD | GPM |
|------|---------------------|-------------|-------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 350Q-5 Quintuplex Plunger Pump | | | | | | | | | | | | | | | | | | |
| 2500 | 0.040 | 2.262 | 0.0136 | 0.0041 | 3805 | 36.5 | 0.32 | 0.09 | 14.8 | 0.47 | 71.3 | 2.4 | 218.0 | 7.3 | 319.8 | 10.4 |
| 3000 | 0.059 | 3.574 | 0.0206 | 0.0059 | 4820 | 40.3 | 0.36 | 0.10 | 16.6 | 0.50 | 80.2 | 2.8 | 242.8 | 8.3 | 347.6 | 11.5 |
| 4000 | 0.080 | 5.306 | 0.0289 | 0.0082 | 5950 | 47.7 | 0.40 | 0.12 | 18.9 | 0.55 | 99.1 | 3.1 | 267.6 | 9.4 | 382.7 | 12.7 |
| 5000 | 0.100 | 6.883 | 0.0349 | 0.0113 | 7158 | 54.1 | 0.44 | 0.14 | 21.2 | 0.60 | 118.1 | 3.5 | 292.6 | 10.5 | 407.9 | 14.0 |
| 6000 | 0.120 | 8.360 | 0.0409 | 0.0143 | 8418 | 60.5 | 0.48 | 0.16 | 23.5 | 0.65 | 137.1 | 3.9 | 318.6 | 11.8 | 434.1 | 15.3 |
| 7000 | 0.140 | 9.737 | 0.0468 | 0.0173 | 9778 | 66.9 | 0.52 | 0.18 | 25.8 | 0.70 | 156.1 | 4.3 | 344.6 | 13.6 | 460.3 | 16.6 |
| 8000 | 0.160 | 11.014 | 0.0528 | 0.0203 | 11144 | 73.4 | 0.56 | 0.20 | 28.1 | 0.75 | 175.1 | 4.7 | 375.2 | 15.3 | 486.5 | 18.0 |

### Metric Units

<table>
<thead>
<tr>
<th>PUMP</th>
<th>Plunger Dia. mm</th>
<th>Plunger Area cm²</th>
<th>M³/Hr</th>
<th>M³/Sec</th>
<th>L/Sec</th>
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**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
- High Discharge Pressure Switch
- Condensate Drain
- N.A.C.E. Valving
- Lubricator Level Controller
- API Valves
- Drive Options

**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.

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Head Office:
6120 Davies Road
Edmonton, AB
T6E 4M9

Phone: (780) 485-2010 • Toll Free: (866) 707-7867
Fax: (780) 485-1938
• Calgary • Drayton Valley • Lloydminster
www.rotatingright.com