Piston Pump Model 320

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>U.S. Measure</th>
<th>Metric Measure</th>
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<tbody>
<tr>
<td>Volume</td>
<td>.5 G.P.M.</td>
<td>(19 L/M)</td>
</tr>
<tr>
<td>Discharge Pressure</td>
<td>1500 P.S.I.</td>
<td>(105 BAR)</td>
</tr>
<tr>
<td>Max. Inlet Pressure</td>
<td>8.5 to 40 P.S.I.</td>
<td>(-0.6 to +2.8 BAR)</td>
</tr>
<tr>
<td>RPM</td>
<td>1000 RPM</td>
<td>(1000 RPM)</td>
</tr>
<tr>
<td>Bore</td>
<td>0.866&quot;</td>
<td>(22 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>0.669&quot;</td>
<td>(17 mm)</td>
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<tr>
<td>Crankcase Capacity</td>
<td>21 oz.</td>
<td>(0.6 L)</td>
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<tr>
<td>Maximum Fluid Temperature</td>
<td>160°F</td>
<td>(71°C)</td>
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<tr>
<td>Inlet Ports (1)</td>
<td>1/2&quot; NPT</td>
<td>(1/2&quot; NPT)</td>
</tr>
<tr>
<td>Discharge Ports (2)</td>
<td>1/2&quot; NPT</td>
<td>(1/2&quot; NPT)</td>
</tr>
<tr>
<td>Pulley Mounting</td>
<td>Either side</td>
<td>(Either side)</td>
</tr>
<tr>
<td>Shaft Diameter</td>
<td>0.787</td>
<td>(20 mm)</td>
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<tr>
<td>Weight</td>
<td>16.6 lbs.</td>
<td>(7.5 kg)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>12.4&quot; x 9.8&quot; x 5.3&quot;</td>
<td>(315 x 244 x 134 mm)</td>
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HORSEPOWER REQUIREMENTS

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<tr>
<th>Flow</th>
<th>PSI 1000</th>
<th>PSI 1200</th>
<th>PSI 1500</th>
<th>RPM</th>
<th>Motor Pulley O.D.</th>
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<tr>
<td>GPM</td>
<td>BAR</td>
<td>BAR</td>
<td>BAR</td>
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<tr>
<td>5.0</td>
<td>19</td>
<td>3.5</td>
<td>4.2</td>
<td>5.2</td>
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<td>4.0</td>
<td>15</td>
<td>2.8</td>
<td>3.3</td>
<td>4.2</td>
<td>800</td>
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<td>3.0</td>
<td>11</td>
<td>2.1</td>
<td>2.5</td>
<td>3.1</td>
<td>600</td>
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DETERMINING THE PUMP R.P.M.

- Rated G.P.M. = "Desired" G.P.M.
- Rated R.P.M. = "Desired" R.P.M.

DETERMINING THE REQUIRED H.P.

- GPM x PSI = Electric Brake
  
- Horsepower Required

DETERMINING MOTOR PULLEY SIZE

- Motor Pulley O.D. = Pump Pulley O.D.
- Motor R.P.M. = Pump R.P.M.

Note: Consult engine manufacturer when using gas or diesel engine

WORLD LEADER IN TRIPLEX HIGH PRESSURE PUMPS
Serial # D830101 and after use 43364.100 long shaft protector

EXPLoded VIEW
PISTON MODEL 32
December 1982

PARTS LIST

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<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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<td>Crankcase</td>
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<td>3</td>
<td>14177</td>
<td>O-ring, Oil Filler Cap (Buna-N)</td>
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<td>4</td>
<td>43211</td>
<td>Oil Filler Cap</td>
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<td>6</td>
<td>43340</td>
<td>Cover Seal, O-section</td>
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<td>Sens Comb Head Screw (M6 x 20)</td>
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ITEM | PART NO. | DESCRIPTION | QTY. |
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<td>Split Lock Washer (5/16 U.S.)</td>
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<td>Valve Kit</td>
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* PARTS LIST continues...