MYERS® C SERIES
High Pressure Reciprocating Piston Pump

Over a century of experience has proven that Pentair’s Myers® line of reciprocating pumps are designed and built with performance you can rely on. Our C Series high pressure reciprocating pumps combine manufacturing expertise and application understanding for a pump that is perfect for a variety of high pressure jobs.

Advantages By Design
Handles wide range of demanding industrial applications.
- High-strength fluid end and spring-loaded flat valves for high pressure pumping of large water volumes.
- Pumps liquids in mine, mill, food processing, car wash, sewer cleaner and other applications.

Horsepower Requirements

<table>
<thead>
<tr>
<th>C25-25</th>
<th>C35-20</th>
<th>C40-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPM</td>
<td>RPM</td>
<td>LPM</td>
</tr>
<tr>
<td>12.5</td>
<td>325</td>
<td>300</td>
</tr>
<tr>
<td>17.5</td>
<td>375</td>
<td>375</td>
</tr>
<tr>
<td>22.5</td>
<td>425</td>
<td>425</td>
</tr>
<tr>
<td>27.5</td>
<td>475</td>
<td>475</td>
</tr>
<tr>
<td>32.5</td>
<td>525</td>
<td>525</td>
</tr>
<tr>
<td>37.5</td>
<td>575</td>
<td>575</td>
</tr>
<tr>
<td>42.5</td>
<td>625</td>
<td>625</td>
</tr>
<tr>
<td>47.5</td>
<td>675</td>
<td>675</td>
</tr>
</tbody>
</table>

Kilowatt Requirements

<table>
<thead>
<tr>
<th>C25-25</th>
<th>C35-20</th>
<th>C40-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPM</td>
<td>RPM</td>
<td>hp (electric brake)</td>
</tr>
<tr>
<td>47.4</td>
<td>325</td>
<td>4.5</td>
</tr>
<tr>
<td>63.1</td>
<td>425</td>
<td>6.5</td>
</tr>
<tr>
<td>78.9</td>
<td>525</td>
<td>9.7</td>
</tr>
<tr>
<td>94.6</td>
<td>625</td>
<td>12.3</td>
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</tbody>
</table>

Product Capabilities, Specifications

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Max. Rated Capacity GPM (LPM)</th>
<th>Max. Rated Pressure psig (bar)</th>
<th>Temp. Rating °F (°C)</th>
<th>Size in inches (mm)</th>
<th>Approx. Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C25-20 Triflex</td>
<td>25 (94.4)</td>
<td>2500 (7272)</td>
<td>1.186 (47.1)</td>
<td>1.34 (44.45)</td>
<td>1.17 (44.9)</td>
</tr>
<tr>
<td>C35-20 Triflex</td>
<td>35 (123.49)</td>
<td>2000 (5248)</td>
<td>1.186 (47.1)</td>
<td>1.34 (44.45)</td>
<td>1.17 (44.9)</td>
</tr>
<tr>
<td>C40-20 Triflex</td>
<td>40 (193.04)</td>
<td>2000 (5248)</td>
<td>1.186 (47.1)</td>
<td>1.34 (44.45)</td>
<td>1.17 (44.9)</td>
</tr>
</tbody>
</table>

Horsepower required is based upon 85% overall efficiency.

Formula: (1) hp required = GPM x psi or KW = LPM x bar (electric brake) (1457 x 51)
(2) Expected GPM = Rated GPM x Working RPM Rated RPM
Expected LPM = Rated LPM x Working RPM Rated RPM
Motor sheave = Pump sheave x Motor RPM O.D. size

Note: Above bold line is continuous duty. Below bold line is intermittent.

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Fluid End

SUCTION, DISCHARGE OPENINGS
Threaded for easy connections.

BODY
High-strength ductile iron.

VALVE & CYLINDER CAPS
Buna-N O-rings and back-up ring.

VALVE ASSEMBLIES
Spring-loaded valves, hardened seats.

PACKING

PISTON ASSEMBLY
Solid stainless steel stud, pressure ring, spring, retainer and cap screw.

BODY
Rugged cast iron crankcase serves as oil reservoir. Removable cover section for easy service.

CRANKSHAFT
Rotates in either direction. Automotive-type heat-treated alloy steel.

MAIN BEARINGS
Tapered roller bearings.

CONTINUOUS SPLASH LUBRICATION
In either rotation direction.

Dimensions

SUCTION, DISCHARGE OPENINGS
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BODY
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VALVE & CYLINDER CAPS
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