BRONZE CLOSE COUPLED
CENTRIFUGAL PUMP

OBERDORFER PUMPS
A Subsidiary of Thomas Industries Inc.

PIPE SIZE: INLET 3/4", OUTLET 3/4" (OPTION 1/2")

FEATURES
- Rugged corrosion resistant bronze construction
- Compact and light
- Mechanical Seals - Type 6A/68
  - Buna Standard
  - Viton Options
- TEFC Motors with corrosion resistant passivated 316 SS Shafts
  - 1/10 HP permanent Magnet 12V, 24V, 32V DC Motors
    - Rubber base grommets for vibration dampening
    - Insulated leads
  - 1/13 HP Permanent Magnet 12V DC Motor
- 1/8 HP Capacitor Start 50/60 HZ, 115V & 220V AC Motors
  - Ignition protection
  - Thermal overload protection
  - Power cord with plug
- Ideal for:
  Marine Air Conditioning
  Engine Block Temperature Control
  Radiator and Heat Exchanger Circulation
  Baitwell Circulation

SEAL
The pump uses a mechanical type shaft seal with a Buna rubber element. It is suitable for water, oils, and some mild solvents and is limited to 212°F. Viton® is available for up to 400°F.

LIQUIDS
One of the outstanding features of this pump and motor unit is its compact size. Although small, adequate motor power is available for pumping water, water solutions, and a wide range of commercial chemicals. Questions about the chemical compatibility of special liquids should be referred to the factory.

Viscous liquids with a maximum viscosity of 2000 Saybolt Seconds Universal can be pumped. However, when pumping viscous liquids (as compared with water) a reduction in flow and pressure occurs and the required horsepower increases.

 Liquids heavier than water require additional horsepower in direct proportion to the increase in specific gravity.

CHARACTERISTICS
These Oberdorfer centrifugal pumps have a single open vane rotating impeller. Liquid enters at the center and is thrown outward radially by centrifugal force. The impeller is not in contact with other pump parts resulting in quiet, efficient pumping action. The flow produced is not positive which permits the discharge line to be shut off completely without danger of overloading motors or bursting lines. Consequently, a relief valve is not required.

These pumps are not self-priming. They must be installed below the liquid level so that the liquid flows to the pump by gravity (flooded suction).

The flow of these pumps can be conveniently controlled by a throttling valve in the discharge line. Horsepower demand will decrease as the pressure increases. Maximum horsepower occurs with a wide open discharge.

*Viton® is a registered trademark of DuPont Dow Elastomers. Viton® or equivalent FKM will be used.
PERFORMANCE

Capacity - Water at 70°F

KEY
- 172B–B26/B27
- 172B–A81/A82
- 172L–A74
### Model 172B

<table>
<thead>
<tr>
<th>Pump #</th>
<th>Config</th>
<th>Screw</th>
<th>Cover</th>
<th>Gasket</th>
<th>Impeller</th>
<th>Set</th>
<th>Seal Assy</th>
<th>Body</th>
<th>Plug</th>
<th>Screw</th>
<th>Hex Nut</th>
<th>Lockwasher</th>
<th>Slinger</th>
<th>Motor</th>
<th>Grommet</th>
<th>Repair Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>2 Req’d</td>
<td>2 Req’d</td>
<td>2 Req’d</td>
<td>2 or 4 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>4 Req’d</td>
<td></td>
<td></td>
</tr>
<tr>
<td>172B</td>
<td>Std Buna</td>
<td>5385</td>
<td>7375</td>
<td>7020</td>
<td>7678</td>
<td>6079</td>
<td>32458</td>
<td>7456</td>
<td>5395</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>172B-03</td>
<td>Vertical Outlet</td>
<td>5385</td>
<td>7375</td>
<td>7020</td>
<td>7678</td>
<td>6079</td>
<td>32458</td>
<td>7456</td>
<td>5395</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>172B-07</td>
<td>1/2&quot; Inlet</td>
<td>5385</td>
<td>7275</td>
<td>7020</td>
<td>7678</td>
<td>6079</td>
<td>32458</td>
<td>7456</td>
<td>5395</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>172BS10</td>
<td>Viton Type 6B</td>
<td>5385</td>
<td>7375</td>
<td>7020</td>
<td>7678</td>
<td>6079</td>
<td>32003</td>
<td>7456</td>
<td>5395</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>172B-08</td>
<td>Viton Type 6A</td>
<td>5385</td>
<td>7375</td>
<td>7020</td>
<td>7678</td>
<td>6079</td>
<td>32482</td>
<td>9786</td>
<td>5395</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Motor #

<table>
<thead>
<tr>
<th>Motor #</th>
<th>Config</th>
<th>1/10 HP, 3480 RPM, 12 VDC, TEFC</th>
<th>1/10 HP, 3480 RPM, 24 VDC, TEFC</th>
<th>1/10 HP, 3480 RPM, 32 VDC, TEFC</th>
<th>1/8 HP, 3460 RPM, 115 VDC, 50/60HZ, TEFC, Ignition Protected</th>
<th>1/8 HP, 3460 RPM, 230 VDC, 50/60HZ, TEFC, Ignition Protected</th>
</tr>
</thead>
<tbody>
<tr>
<td>A81</td>
<td></td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
</tr>
<tr>
<td>A82</td>
<td></td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
</tr>
<tr>
<td>A87</td>
<td></td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
</tr>
<tr>
<td>B26</td>
<td></td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
</tr>
<tr>
<td>B27</td>
<td></td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
<td>7424</td>
</tr>
</tbody>
</table>

### Model 172L

<table>
<thead>
<tr>
<th>Pump #</th>
<th>Config</th>
<th>Screw</th>
<th>Cover</th>
<th>Gasket</th>
<th>Impeller</th>
<th>Set</th>
<th>Seal Assy</th>
<th>Body</th>
<th>Plug</th>
<th>Screw</th>
<th>Lockwasher</th>
<th>Slinger</th>
<th>Motor</th>
<th>Grommet</th>
<th>Repair Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>2 Req’d</td>
<td>2 Req’d</td>
<td>2 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td>1 Req’d</td>
<td></td>
<td></td>
</tr>
<tr>
<td>172L</td>
<td>Std Buna</td>
<td>5385</td>
<td>7375</td>
<td>7020</td>
<td>7678-1</td>
<td>32458</td>
<td>7456</td>
<td>6052</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>172LS10</td>
<td>Viton Type 6B</td>
<td>5385</td>
<td>7375</td>
<td>7020</td>
<td>7678-1</td>
<td>32003</td>
<td>7456</td>
<td>6052</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Motor #

<table>
<thead>
<tr>
<th>Motor #</th>
<th>Config</th>
<th>1/13 HP, 3160 RPM, 12 VDC, TEFC</th>
</tr>
</thead>
<tbody>
<tr>
<td>A74</td>
<td></td>
<td>7424</td>
</tr>
</tbody>
</table>

---

**www.oberdorfer-pumps.com**

PHONE 800-448-1668; (315) 437-0361

Fax (315) 463-9561
DIMENSIONS

172L’S WITH A74 MOTOR

172B’S WITH A81 OR A82 MOTOR

172B’S WITH B26 OR B27 MOTOR