Model 008 Cartridge Circulator

The Taco 008 Cartridge Circulator is designed for quiet, efficient operation in higher-head applications for Hydronic heating, Radiant In-Floor/Panel heating, Solar heating, Heat Recovery, Water Source Heat Pump, and Domestic Water Recirculation systems. Its unique field-serviceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. With no mechanical seal, the self-lubricating, maintenance free design provides unmatched reliability. Available in Cast Iron or Bronze construction.
Features

- Standard High Capacity Output-Compact Design
- Quiet, Efficient Operation
- Direct Drive-Low Power Consumption
- Unique Replaceable Cartridge Design-Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability-Maintenance Free
- Universal Flange to Flange Dimensions
- Cast Iron or Bronze Construction
- Sweat Connections - Optional

Materials of Construction

Casing (Volute): Cast Iron or Bronze
Stator Housing: Steel
Cartridge: Stainless Steel
Impeller: Non-Metallic
Shaft: Ceramic
Bearings: Carbon
O-Ring & Gaskets: EPDM

Model Nomenclature

F – Cast Iron, Flanged
BF – Bronze, Flanged
BC – Bronze, Sweat Connections

Variations:
Z – Zoning Circulator
J – Bronze Cartridge with Cast Iron Casing

Performance Data

Flow Range: 0 – 14 GPM
Head Range: 0 – 16 Feet
Minimum Fluid Temperature: 40°F (4°C)
Maximum Fluid Temperature: 230°F (110°C)
Maximum Working Pressure: 125 psi

Application

The Taco 008 is designed for a wide range of Residential and Light Commercial higher-head water circulating applications. Typical uses include Hydronic heating, Radiant In-Floor/Panel heating and closed-loop Solar heating systems. The Bronze 008 can be used in higher-head Heat Recovery, Water Source Heat Pump, open-loop Solar heat and Domestic Water Recirculation systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service, instead of replacing the entire circulator. Compact, direct-drive, low power consumption design is ideal for high-efficiency jobs.

Pump Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Casing</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>008-F6</td>
<td>Cast Iron</td>
<td>6</td>
<td>152</td>
<td>4</td>
<td>102</td>
<td>3-3/16</td>
<td>81</td>
<td>2-15/16</td>
</tr>
<tr>
<td>008-BF6</td>
<td>Bronze F</td>
<td>6</td>
<td>152</td>
<td>4</td>
<td>102</td>
<td>3-3/16</td>
<td>81</td>
<td>2-15/16</td>
</tr>
<tr>
<td>008-BC6</td>
<td>Bronze S</td>
<td>5-5/8</td>
<td>143</td>
<td>4-9/16</td>
<td>116</td>
<td>3-3/16</td>
<td>81</td>
<td>2-15/16</td>
</tr>
</tbody>
</table>

Motor

Type: Permanent Split Capacitor
Impedance Protected

Motor Options: 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1

Electrical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Volts</th>
<th>Hz</th>
<th>Ph</th>
<th>Amps</th>
<th>RPM</th>
<th>HP</th>
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</thead>
<tbody>
<tr>
<td>008-F6</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>.79</td>
<td>3250</td>
<td>1/25</td>
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<tr>
<td>008-BF6</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>.84</td>
<td>3250</td>
<td>1/25</td>
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<td>008-BC6</td>
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<td>60</td>
<td>1</td>
<td>.84</td>
<td>3250</td>
<td>1/25</td>
</tr>
</tbody>
</table>

Flange Orientation

Standard: OK if over 20 psi
Optional:

Mounting Positions

<table>
<thead>
<tr>
<th>Flange Orientation</th>
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</thead>
<tbody>
<tr>
<td>Standard</td>
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<tr>
<td>Optional</td>
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</table>

Performance Field - 60Hz

<table>
<thead>
<tr>
<th>Flow (GPM)</th>
<th>Head (feet)</th>
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<tbody>
<tr>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>0.05</td>
<td>0.10</td>
</tr>
<tr>
<td>0.10</td>
<td>0.20</td>
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<tr>
<td>0.15</td>
<td>0.30</td>
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<tr>
<td>0.20</td>
<td>0.40</td>
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