Model 0013 Cartridge Circulator

The High Velocity series Taco 0013 Cartridge Circulator is designed for quiet, efficient operation in high head / high flow applications for Large Residential / Light Commercial Hydronic heating, Radiant heating, Chilled Water cooling and Domestic fresh water systems. The exclusive ACB anti-condensate baffle with ambient air flow prevents the build up of condensate on the motor windings when pumping chilled water. 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. Compact and lightweight, with excellent performance characteristics, the 0013 is ideal for high efficiency jobs where space is a premium. Available in Cast Iron or Stainless Steel construction.
Application
The Taco 0013 is specifically designed for high head / high flow applications in Large Residential and Light Commercial systems. Ideal for high pressure drop Boilers, Fan Coil units, Heat Exchangers, larger Radiant systems, Heat Recovery and Geothermal systems. The Stainless Steel 0013 should be used on open loop systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. Universal flange to flange dimensions and orientation allows the 0013 to easily replace other models. Compact, low power consumption design makes it ideal for high-efficiency jobs.

Pump Dimensions & Weights

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<thead>
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</thead>
<tbody>
<tr>
<td>0013-F3</td>
<td>Cast Iron</td>
<td>7-1/2</td>
<td>191</td>
<td>6-1/8</td>
<td>156</td>
<td>3-1/2</td>
<td>89</td>
<td>6</td>
</tr>
<tr>
<td>0013-SF3</td>
<td>St. Steel</td>
<td>7-1/2</td>
<td>191</td>
<td>6-1/8</td>
<td>156</td>
<td>3-1/2</td>
<td>89</td>
<td>6</td>
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</tbody>
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Mounting Positions
- Standard
- Optional
- Ok if over 20 psi

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>All Models</td>
<td>115</td>
<td>60</td>
<td>1</td>
<td>2.0</td>
<td>3250</td>
<td>1/6</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

Performance Field - 60Hz

Materials of Construction
- ACB Baffle: Non-Ferrous
- Casing (Volute): Cast Iron or Stainless Steel
- Stator Housing: Aluminum
- Cartridge: Stainless Steel
- Impeller: Non-Metallic
- Shaft: Ceramic
- Bearings: Carbon
- O-Ring & Gaskets: EPDM

Model Nomenclature
- F – Cast Iron, Flanged
- SF – Stainless Steel, Flanged

Performance Data
- Max. Flow: 34 GPM
- Max. Head: 33 Feet
- Min. Fluid Temperature: 40°F (4°C)
- Max. Fluid Temperature: 230°F (110°C)
- Max. Working Pressure: 150 psi
- Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings
- UL US LISTED FOR INDOOR USE ONLY
- NSF
- Low-Lead Compliant