Model RA-32

Four-Chamber Tankless Electric Water Heater

Description: The RA-32 is used in demanding applications where incoming water temperatures or total flow requirements dictate more power than the RA-28. Ideal for the whole house and light commercial applications such as: offices, specialty restaurants, convenience stores, salons and pet-grooming shops. This on-demand tankless water heater is a powerful replacement for traditional tank-type heaters or for use as a booster to a traditional tank water heater or active renewable energy systems such as solar and geothermal water heating systems. The temperature activated control works effectively in re-circulating systems or in combination with tank-type heaters to supply special requirements like body spas or roman tub fillers. A minimum 200 AMP whole-house electrical service is typically required.

Features:

- UL 499 Listed for Water Heating Applications
- No minimum flow required for activation
- Built-in DSM Utility Integration option
- Compatible with Home Energy Management
- Very small & compact with no moving parts
- Lightweight modular construction
- Standard 3/4 inch plumbing connections with no flow restrictions
- Compatible with all plumbing designs including recirculating, tubing and manifold systems
- Microprocessor digital control
- Power sharing power control technology
- Heats continuously and only when needed
- Self-diagnostics with redundant safety devices
- High performance DuPont polymer nylon chamber material
- Built-in leak detection and alarm
- Rust & corrosion resistant

Specifications:

- Heat Output (max.): 109,211 BTU
- Power Rating (max.): 32KW
- Voltage Rating (Nominal): 240 VAC
- Current Rating (max.): 133 AMPS
- Panel Load Factor (40%): 53 AMPS
- Energy Factor: 0.99+
- Heating Elements: 8000 watts x 4
- Circuits Required: 4 ea. 2-wire w/ ground (#8cuAWG)
- Breakers Required: Four (4), double-pole
- Breaker Size: 40 AMPS each x 4 (Optional 75 x2)¹
- Temp. Output (dial): 90°F to 130°F (32C - 52C)²

¹Install included jumpers on control board for this option and use 2 ea 2-wire circuits w/ground #6cuAWG rated for 75AMPS.
²Temperature factory set to 120F (49C)

Flow Ratings:

<table>
<thead>
<tr>
<th>Rise (°F)</th>
<th>Flow (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>109°F</td>
<td>2.0 GPM</td>
</tr>
<tr>
<td>73°F</td>
<td>3.0 GPM</td>
</tr>
<tr>
<td>55°F</td>
<td>4.0 GPM</td>
</tr>
<tr>
<td>40°F</td>
<td>5.5 GPM</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Rise (°C)</th>
<th>Flow (LPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>57°C</td>
<td>8 LPM</td>
</tr>
<tr>
<td>46°C</td>
<td>10 LPM</td>
</tr>
<tr>
<td>38°C</td>
<td>12 LPM</td>
</tr>
<tr>
<td>29°C</td>
<td>16 LPM</td>
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</tbody>
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Mounting Holes:

A: 14 ¾” (362mm)
B: 16 ¼” (410mm)

Dimensions:

Weight: 23 lbs. (10.4 kg)
Height: 15 ¾” (400mm)
Width: 15 ¾” (400mm)
Depth: 6 ¾”(159mm)
Fittings: ¾” (200mm)

Approvals:

UL, NSF, HUD, NEC
(Not approved for Canada)