MegaBoost Tankless Electric Water Heater Booster

Features

- Significantly increases mixed water volume
- Greatly decreases tank recovery times
- High limit switch with manual reset
- Easy installation ½" NPT connections
- Exclusive design prevents dry firing
- No additional T&P relief valve needed (Check local code)
- 7 year leakage/3 year parts warranty
- Copper sheathed heating element housed in copper cylinder
- On-demand, continuous hot water
- 99% efficiency
- Flow sensor & electronic control activated for silent operation
- Conveniently mounts on wall
- Engineered and manufactured in Germany

Model

<table>
<thead>
<tr>
<th>Model</th>
<th>Phase</th>
<th>Voltage</th>
<th>kW</th>
<th>Amps</th>
<th>Circuit Breaker</th>
<th>Minimum Wire Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MegaBoost</td>
<td>single</td>
<td>240 V</td>
<td>9.6</td>
<td>40</td>
<td>40</td>
<td>8/2 AWG</td>
</tr>
<tr>
<td></td>
<td>single</td>
<td>208 V</td>
<td>7.2</td>
<td>35</td>
<td>35</td>
<td>8/2 AWG</td>
</tr>
</tbody>
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Part number: 524201
Weight: 5.9 lbs / 2.7 kg
Min. flow to activate: 0.264 gpm / 1.0 l/min
Max. inlet water temp.: 131°F / 55°C.
Operating Pressure: Min. 30 psi, Max. 150 psi
Cover: White ABS

Electrical cable entry cold water inlet ½" NPT 1½" (38 mm)
hot water outlet ½" NPT 3½" (90 mm)
Specifications

The tankless electric water heater shall be equipped with several copper sheathed heating elements housed in a copper cylinder. The number of heating elements shall be three. The copper cylinder that houses heating elements shall be equipped with a dedicated single pole bimetal type high limit that is attached to the top dome of the cylinder. These safety high limit switches shall have a manual rest that interrupts power at 185°F. The heating elements shall be controlled by a number of triacs (power transistors) which are soldered into the circuit board. The triacs shall be cooled by the incoming cold water. The units shall be equipped with a flow sensor with a miniaturized turbine that feeds the water flow rate information into the main circuit board. The output temperature shall be adjustable between 86°F and 140°F. The temperature adjustment shall be via a knob that is positioned on the front cover. The water connections shall be designed for standard ½” NPT female adapter. The housing of the unit shall be made of high impact polycarbonate plastic. The unit shall conform to ANSI ANSI/UL Std. 499 and be certified to CAN/CSA Std. C22.2 No. 64.

<table>
<thead>
<tr>
<th>Engineer/Architect</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Name/Customer</td>
<td>Location</td>
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<tr>
<td>Contractor</td>
<td>Representative</td>
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<table>
<thead>
<tr>
<th>Qty</th>
<th>kW</th>
<th>Voltage</th>
<th>Amps</th>
</tr>
</thead>
</table>

MegaBoost

Installation Options and Output Projections

MegaBoost installation on hot water outlet.

MegaBoost installation on cold water inlet.

Available Hot Water
More gallons is better

Recovery Time
Shorter time is better

MegaBoost plus 30 Gal. Tank on hot outlet

MegaBoost plus 30 Gal. Tank on cold inlet

82 gal.

74 gal.

71% MORE

85 min.

39.42 min.

140% FASTER

Available Hot Water
More gallons is better

Recovery Time
Shorter time is better

MegaBoost plus 30 Gal. Tank on hot outlet

MegaBoost plus 30 Gal. Tank on cold inlet

48 gal.

54% MORE

17.5 min.

35.42 min.

71% MORE

17.5 min.

385% FASTER

Electric or gas tank water heater

MEGA BOOST

Hot water to house

Cold water supply

MEGA BOOST

Cold water supply

Electric or gas tank water heater

MEGA BOOST

Hot water to house

MEGA BOOST

Cold water supply

Electric or gas tank water heater

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Cold water supply

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Hot water to house