Modulating Condensing Commercial Water Heaters

*Up to 99% Thermal Efficiency* by Modulating Fuel Input to Supply Variable Domestic Hot Water Demand

- Five-Year Limited Tank/Heat Exchanger Warranty – THE INDUSTRY’S FINEST

**OptiTherm® for Optimal Thermal Efficiency:**
- Maximum inputs from 300,000 to 500,000 BTU/hr
- Up to 6:1 turndown ratio
  - *Fully modulating from as low as 80,000 BTU/hr*
- 119/125 gallon capacities
- Up to 99% thermal efficiency
- **NEW** Front venting
- **NEW** Minimum gas supply pressure 3.5” WC (NAT) and 8” WC (LP)
- Automatic cathodic corrosion protection system
  - *No sacrificial anode rods*
- PVC/CPVC/ABS venting - 240’ maximum power vent length
- LCD user interface with optional BMS interface
- Ecomate® insulation
- Glass-fused-to-steel water tank and heat exchanger
- SCAQMD certified Ultra-Low NOx
- Natural gas or propane fuel
- Stealth Quiet™ operation
- Fits through a 36-inch door
- Concentric vent kit available

**Turboflue® High Performance Heat Exchanger:**
- Patented helical-fin multi-stage design
- Superior heat conduction and fuel efficiency

Made in the USA
NOTE: Change the suffix from “N” to “LP” to designate liquid propane.

NOTE: “A” denotes ASME construction.

T&P valve and brass drain valve factory installed.

Storage, Inputs, Recovery & Efficiency

<table>
<thead>
<tr>
<th>Model</th>
<th>Storage GAL (L)</th>
<th>Max. Rated Input BTU/HR (KW)</th>
<th>Recovery @ 100°F Rise GAL/HR/L/Hr</th>
<th>1st Hr. Del. @ 100°F Rise GAL (L)</th>
<th>Thermal Efficiency @ Max Input (%)</th>
<th>Thermal Efficiency @ Min Input (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT300N2-(A)</td>
<td>119/125 (473)</td>
<td>300,000 (87.9)</td>
<td>357 (1,351)</td>
<td>480 (1,817)</td>
<td>99</td>
<td>99</td>
</tr>
<tr>
<td>OT400N2-(A)</td>
<td>119/125 (473)</td>
<td>399,999 (117.2)</td>
<td>466 (1,764)</td>
<td>587 (2,222)</td>
<td>97</td>
<td>99</td>
</tr>
<tr>
<td>OT500N2-(A)</td>
<td>119/125 (473)</td>
<td>500,000 (146.5)</td>
<td>576 (2,180)</td>
<td>696 (2,635)</td>
<td>96</td>
<td>99</td>
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NOTE: OT 300/400/500 available with 119 gallon Non-ASME version.

Dimensions and Connections

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions in Inches (cm)</th>
<th>Cold NPT</th>
<th>Hot NPT</th>
<th>Recirc. Return NPT</th>
<th>Gas NPT</th>
<th>Air Intake PVC</th>
<th>Exhaust Vent PVC</th>
<th>Shipping Weight LBS (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>F</td>
<td>G</td>
<td>H</td>
</tr>
<tr>
<td>OT300N2-(A)</td>
<td>78.8</td>
<td>32.2</td>
<td>62.75</td>
<td>11.4</td>
<td>9.4</td>
<td>61.7</td>
<td>74.0</td>
<td>36.3</td>
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NOTE: “A” denotes ASME construction.

T&P valve and brass drain valve factory installed.

Standard Voltage (all): 120V, 60 Hz, 1P

Maximum Working Pressure: 150 psi (1034 kPa)

These models meet or exceed current ASHRAE standards.

Warning: Installation should be in accordance with all national and/or local codes. In the absence of local codes, refer to NFPA 54 or CSA B149.1.

Caution: The recommended maximum hot water temperature setting for normal residential use is 120°F. Bock recommends a tempering valve or anti-scald valve be installed and used according to the manufacturer's directions to prevent scalding.

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