# 1 Selling Oil-Fired Water Heaters

- Five-Year Limited Tank/Heat Exchanger Warranty – Residential Installations
- Three-Year Limited Tank/Heat Exchanger Warranty – Commercial Installations

- 104,000 to 623,000 BTU/hr
- 32 to 113 gallon capacities
- .64 UEF rating
- 125 gallons first hour delivery
- Glass-fused-to-steel water tank
- Dual magnesium anode rods to inhibit corrosion

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

Made in the USA

The Popular BOCK® 32E Leads The Industry in Energy Efficiency With a .64 UEF Rating and 125 Gallons First Hour Delivery
NOTE: 32E First Hour Rating = 125 Gallons

*Nipple not included
**Optional setting, contact factory
***Weight does not include burner and controls
T&P valve and brass drain valve factory installed
Standard Voltage (all): 120V, 60 Hz, 1P
Working Pressure: 150 psi (1034 kPa); Test Pressure: 300 psi (2068 kPa)
All Bock products meet or exceed current ASHRAE standards.

**Warning:** Do not install on combustible flooring. Installation should be in accordance with all national and/or local codes. In the absence of local codes, refer to NFPA 31.

**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.

![Diagram of a water heater](image)

**Table:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Storage GAL (L)</th>
<th>Rated Input BTU/HR (kW)</th>
<th>Recovery @ ∆ 90°F (32°C) GAL/LHR</th>
<th>Max. Temp Setting °F (°C)</th>
<th>Inlet Pipe Dia. NPT</th>
<th>Outlet Pipe Dia. NPT</th>
<th>Return Pipe Dia. NPT</th>
<th>Dimensions in Inches (cm)</th>
<th>Shipping Weight LBS (kg) ***</th>
</tr>
</thead>
<tbody>
<tr>
<td>32E</td>
<td>32 (121.13)</td>
<td>104,000 (30.48)</td>
<td>114 (431.54)</td>
<td>160 (71.11)</td>
<td>.75</td>
<td>.75</td>
<td>.75</td>
<td>A: 51.00 (129.5)</td>
<td>B: 20.00 (50.8) C: 6.00 (15.2) D: 11.00 (29.7) E: 17.00 (43.18)</td>
</tr>
<tr>
<td>33E</td>
<td>33 (124.962)</td>
<td>104,000 (30.48)</td>
<td>111 (420.18)</td>
<td>160 (71.11)</td>
<td>1.00</td>
<td>.75</td>
<td>.75</td>
<td>A: 43.25 (109.9)</td>
<td>B: 24.00 (60.9) C: 6.00 (15.2) N/A D: 17.25 (43.8) E: 17.00 (43.18)</td>
</tr>
<tr>
<td>50ES</td>
<td>50 (189.27)</td>
<td>152,000 (44.55)</td>
<td>161 (609.65)</td>
<td>160** (71.11)</td>
<td>1.00</td>
<td>1.50</td>
<td>1.50</td>
<td>A: 59.00 (149.9)</td>
<td>B: 24.00 (60.9) C: 6.00 (15.2) D: 11.00 (29.7) E: 18.00 (45.72)</td>
</tr>
<tr>
<td>51EC</td>
<td>50 (189.27)</td>
<td>140,100 (41.03)</td>
<td>151 (571.60)</td>
<td>160** (71.11)</td>
<td>1.00</td>
<td>1.00</td>
<td>.75</td>
<td>A: 59.00 (149.9)</td>
<td>B: 25.00 (63.5) C: 6.00 (15.2) D: 11.00 (29.7) E: 18.00 (45.72)</td>
</tr>
<tr>
<td>72E</td>
<td>67 (253.62)</td>
<td>199,000 (58.32)</td>
<td>212 (802.51)</td>
<td>160** (71.11)</td>
<td>1.50</td>
<td>1.50*</td>
<td>1.50*</td>
<td>A: 58.00 (147.3)</td>
<td>B: 28.00 (71.12) C: 8.00 (20.32) D: 16.00 (40.64) N/A E: 52.00 (132.1)</td>
</tr>
<tr>
<td>120E</td>
<td>113 (427.75)</td>
<td>155,000 (45.43)</td>
<td>163 (617.02)</td>
<td>180 (82.22)</td>
<td>1.00</td>
<td>2.00</td>
<td>2.00</td>
<td>A: 67.00 (170.2)</td>
<td>B: 32.00 (81.28) C: 6.00 (15.2) D: 19.00 (48.3) E: 22.00 (55.88)</td>
</tr>
<tr>
<td>361E</td>
<td>91 (344.47)</td>
<td>415,000 (121.62)</td>
<td>443 (1,676.94)</td>
<td>180 (82.22)</td>
<td>1.00</td>
<td>2.00</td>
<td>2.00</td>
<td>A: 67.00 (170.2)</td>
<td>B: 32.00 (81.28) C: 9.00 (22.86) D: 23.00 (58.42) E: 26.00 (66.04)</td>
</tr>
<tr>
<td>541E</td>
<td>83 (314.19)</td>
<td>623,000 (182.58)</td>
<td>648 (2,452.95)</td>
<td>180 (82.22)</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
<td>A: 66.00 (167.64)</td>
<td>B: 34.00 (86.36) C: 10.00 (25.40) N/A E: 30.50 (77.47)</td>
</tr>
</tbody>
</table>

**Note:** 32E First Hour Rating = 125 Gallons

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**Diagram:**

- Outlet, Inlet, T&P Relief Valve
- Drain Valve, Return
- Aquastat Connection
- Hand-Hole:
  - 50ES 32
  - 51EC 32
  - 72E, 120E, 361E
  - 541E

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**Docs:**

- 80014 Rev. 10-18

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**Website:**

www.bockwaterheaters.com

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