87% Efficient!

Oil Fired, Chimney Vented, Cast Iron Water Boiler

- 87% AFUE, ENERGY STAR® certified
- 3-pass cast iron sectional design
- Easy, intelligent IQ Control System™
- Outdoor reset available – increases efficiency by 15-20%
- Honeywell digital oil primary control on both Beckett and Carlin EZ-Pro.
- Five sizes available, 0.60-1.60 GPH
- Direct vent option kit available in three sizes (1.00-1.60 GPH)
- Easy installation and servicing; Reversible swing away burner door, no target wall/blanket, removable rear plates provide direct access to flue passages
- Lifetime limited warranty

ECM Circulator included
(Taco or Grundfos)
$100+ value at no extra charge!

IQ Control System
- Consists of the Intelligent Oil Boiler Control and IQ Option Panel

Intelligent Oil Boiler Control
- Provides fast and easy “out of the box” installation
- Simple codes convey boiler status and eliminate guesswork
- Two customizable integrated switching relays for easy integration of additional heating zone or indirect water heater

IQ Option Panel
- Enables the easy plug & play installation of optional features such as outdoor reset, LWCO, and high limit

Optional Touchscreen
- LCD displays all boiler settings, diagnostics, and troubleshooting in sentences, not codes

Honeywell digital oil primary is available on Beckett and Carlin EZ-Pro burners

U.S. Boiler Company
MPO-IQ: Technical Information

Standard Equipment
- Precision cast and machined sections
- Return mixing manifold
- Stylish, countoured, powder coated steel jacket
- Molded plastic control cover
- Insulated jacket (3’)
- Reversible cast iron swing-away burner door
- Vacuum-formed burner door insulation
- Insulated, removable clean-out ports
- Integrated lifting legs
- Mounted and wired controls

- 30# relief valve
- Barometric draft regulator
- Boiler drain valve
- ECM circulator

IQ Oil Boiler Control
- 9-digit LED readout displays boiler status, settings, and error codes for easy set-up and troubleshooting
- Adjustable high limit and differential
- 120V input for indirect water heater or 2nd heating zone

- 120V output for indirect or second zone circulator
- Selectable, adjustable circulator pre-purge & post-purge
- Displays diagnostic and status info from primary control*
- Concealed Junction Box in Rear of Boiler
- Accepts plug & play IQ Option Cards for simple installation of Outdoor Reset, Low Water Cutoff, & Aux. High Limit
- 3-digit display for option card settings, status and diagnostics.

*when equipped with Carlin or Beckett burner

MPO-IQ Ratings & Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>AFUE%</th>
<th>Burner Cap. (GPH)</th>
<th>DOE Heating Cap. (MBH)</th>
<th>Net AHRI Water Rating (MBH)</th>
<th>Flue Collar (In.)</th>
<th>Min. Chimney Diameter (In.)</th>
<th>Water Content (Gal.)</th>
<th>Approx. Shipping Weight (lbs.)</th>
<th>(DV) Approx. Shipping Weight (lbs.)</th>
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<tbody>
<tr>
<td>MPO-IQ84B</td>
<td>87</td>
<td>0.60</td>
<td>74</td>
<td>64</td>
<td>5</td>
<td>6</td>
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Dimensions (Inches)

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<th>Model</th>
<th>'A'</th>
<th>'B'</th>
<th>'C'</th>
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<tr>
<td>MPO-IQ115B</td>
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<td>MPO-IQ189B</td>
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Direct Vent Kit Dimensions (Inches)

<table>
<thead>
<tr>
<th>Model</th>
<th>Vent Connector Diameter</th>
<th>Optional Starter “T” Depth ‘D’</th>
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<tbody>
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<tr>
<td>MPO-IQ189B</td>
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