Excelsior EXB

Up to 87% AFUE Oil Fired High Efficiency 3 Pass Hot Water Boiler
- Advanced High Efficiency 3-Pass Heat Exchanger Design
  - Multiple firing rates
- High Limit Control with:
  - LED display
  - Easy to program dial settings
  - Boiler Water Temperature Reset
  - Low Water Cut Off functionality
- Compact Footprint
- Burners and Venting Options (Burner Cover Standard)
- Easy to Service
  - Flexible oil line combined with easy access heat exchanger with dual hinge swing door (right or left mount option)
  - Wide flue-ways for easy cleaning
  - Site glass for flame observation
  - Removable 1/4” test port for draft overfire reading
- Limited Lifetime Warranty
- Innovative American Manufacturing
Dunkirk Excelsior Oil-Fired High Efficiency 3-Pass Hot Water Boiler

### Dimensions/Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>No. of Sec.</th>
<th>Boiler Input Rate (MBH)</th>
<th>Heating Capacity (MBH)</th>
<th>Net AHRI Rating, Water (MBH)</th>
<th>Chimney Size</th>
<th>Boiler Flue</th>
<th>Firing Rate GPH</th>
<th>AFUE %</th>
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</thead>
<tbody>
<tr>
<td>EXB4075*</td>
<td>4</td>
<td>105</td>
<td>92</td>
<td>80</td>
<td>8&quot; x 8&quot; x 15&quot;</td>
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</table>

*Energy Star Certified model

(1) 1000 Btu/hr (British Thermal Units Per Hour)

(2) Heating Capacity and AFUE based on 13.1% CO2 (13.5% CO2 at 0.95 GPH and 1.10 GPH, 13.2% CO2 on 7165 model), -0.02" w.c. draft in breech, and # 1 smoke or less. Testing is done in accordance with U.S. DOE (Department of Energy) test procedure.

(3) Net AHRI ratings shown are based on piping and pickup factor of 15% in accordance with AHRI Standard as published by Hydronics Institute. Contact Technical Support before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

(4) Gallons per hour.

### General Information

(See Installation, Operation and Maintenance Manual for complete instructions)

#### Clearances

| Top       | 12" (32 cm) | 24" (61 cm) |
| Right Side| 2" (5 cm)   | 24" (61 cm) |
| Left Side | 2" (5 cm)   | 24" (61 cm) |
| Floor     | Combustible | No Requirement |
| Front     | 17" (43 cm) | 24" (61 cm) |
| Back      | 9" (23 cm)  | 24" (61 cm) |
| Flue      | 9" (23 cm)  | 9" (23 cm)  |

#### Connections

Return/Supply Water 1-1/4" NPT

#### Electrical

120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

#### Water Content

EXB4 - 3.6 Gallons, EXB5 - 4.3 Gallons, EXB6 - 5.1 Gallons, EXB7 - 5.9 Gallons

#### Standard Equipment

- **Boiler Control Module**: Hydrolevel Fuel Smart HydroStat Control - combination Low Water Cut Off with boiler temperature reset and circulator control.
- **User Display Interface**: Digital display with easy to set dial-type limit settings.
- **Heat Exchanger**: High efficiency, cast iron, 3-pass design with reversible swing door and target wall. Efficiency baffles/liner by model.
- **Combustion**: Oil burner with protective cover, flexible oil line.
- **Electrical**: Wiring harness with Molex connectors. Burner electrical disconnect.
- **Other**: Temperature/pressure guage, 3/4" ASME relief valve, drain valve, textured painted steel jacket.

#### Options

Beckett, Riello or Carlin Burner, Manual Reset High Limit with plug-in Molex connector, and Direct Vent.

#### Certifications

<Images of certification logos>

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All specifications subject to change without notice.
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