THERMOFLOW

CLB Series 2

Multi-Speed Direct Drive Motor
or
Variable Speed ECM Motor

Ratings - 2 sizes
91,000 to 168,000 Btuh Input
0.65 to 1.20 GPH #2 Fuel Oil

Centennial Low Boy
Oil Furnace

- AFUE’s to 86.4%
- Heat exchanger
  - Heaviest in the industry
  - Front or rear flue - front flue can be vented from top or right side
  - Interior baffling for maximum efficiency
  - Dual spring-loaded clean-out ports for easy service and maintenance
  - Spring-loaded observation port with test port
  - Heavy gauge burner mounting plate secured with studs and nuts
- Blower
  - Multi-Speed Direct Drive
  - Variable Speed ECM
  - Slide-out blower/motor – easily removed for service
- Cabinet
  - Appliance finish powder coat paint
  - Heavy gauge “Seal-Tite” construction
  - Foil-faced insulation for hand-cool surface
  - Fully-enclosed burner and controls
- Combustion Chamber
  - Preformed slide-out chamber for easy service
- Burner and controls
  - Factory-wired with simple plug-in connections
  - PSC motor
  - Solid state ignitor and solenoid valve
### RATINGS

<table>
<thead>
<tr>
<th>Model</th>
<th>Firing Rate</th>
<th>Input (Btuh)</th>
<th>Output (Btu/h)</th>
<th>Direct Drive Blower</th>
<th>Variable Speed Blower</th>
<th>Maximum cooling capacity (tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(GPH)</td>
<td>(Btuh)</td>
<td>(Btuh)</td>
<td>@ 0.25° WC</td>
<td>@ 0.50° WC</td>
<td>Blower motor hp</td>
</tr>
<tr>
<td>CLB-105</td>
<td>0.65</td>
<td>91,000</td>
<td>80,000</td>
<td>10-10</td>
<td>½</td>
<td>1150</td>
</tr>
<tr>
<td></td>
<td>0.75</td>
<td>105,000</td>
<td>90,000</td>
<td>10-10</td>
<td>½</td>
<td>1300</td>
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<tr>
<td></td>
<td>0.85</td>
<td>119,000</td>
<td>100,000</td>
<td>10-10</td>
<td>½</td>
<td>1475</td>
</tr>
<tr>
<td>CLB-140</td>
<td>1.00</td>
<td>140,000</td>
<td>120,000</td>
<td>12-10</td>
<td>1</td>
<td>1600</td>
</tr>
<tr>
<td></td>
<td>1.20</td>
<td>168,000</td>
<td>142,000</td>
<td>12-10</td>
<td>1</td>
<td>1925</td>
</tr>
</tbody>
</table>

**Note:** Filter sizes required: CLB-105 - (1) 12” x 20” and (1) 10” x 20”. CLB-140 - (1) 12” x 24” and (1) 16” x 24”

Refer to installation manual for detailed air flow information.

### DIMENSIONS

**ALL DIMENSIONS IN INCHES**

**Rear flue shown**

<table>
<thead>
<tr>
<th>Model</th>
<th>Furnace casing Width</th>
<th>Depth</th>
<th>Height</th>
<th>Warm air supply Width</th>
<th>Depth</th>
<th>Return air Flue pipe diameter</th>
<th>Ship wt. (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLB-105</td>
<td>21-1/4</td>
<td>47-1/4</td>
<td>38-1/2</td>
<td>18-1/2</td>
<td>17-1/2</td>
<td>18-1/2</td>
<td>15-1/2</td>
</tr>
</tbody>
</table>

**Note:** CLB furnaces are approved for 0° clearance to combustible construction. Refer to installation manual for details and proper installation.

### EQUIPMENT

- Factory-assembled
- Hot-rolled steel heat exchanger, pressure tested to assure leak-tight construction
- 10-gauge primary heat exchanger
- 14-gauge secondary heat exchanger
- Rugged 20-gauge cabinet with powder coat finish
- Electrical box with external low-voltage terminal strip
- Limit control with continuous fan on selector switch
- Barometric damper provided
- High-efficiency flame retention burner (Beckett AFG or NX, Carlin or Riello)
- Air conditioning fan center
- Variable Speed ECM motor fan center is compatible with 2-stage A/C compressors

### WARRANTY

- Limited lifetime warranty on heat exchanger
- 5-year limited warranty on parts
- Optional 5 - or 10-year parts and labor warranty

[Thermoflo logo] 8201 West Calumet Road • Milwaukee, WI 53223

www.williamson-thermoflo.com

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