There Are Some Things You Can Always Depend On...

Gas-Fired Hot Water Boiler

Up to 83.9% AFUE

Energy saving features include the electronic ignition system and motorized vent damper to reduce your heating costs.

Exceptional Heat Exchanger Design

Features a dependable cast iron heat exchanger with cast iron push nipple connections. The sections and push nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets or steel push nipples, the boiler maintains a water tight seal.

Hydrolevel Operating Control

• Features digital display and diagnostics
• Adjusts the water temperature based on your heating system demand which further reduces your heating costs
• Built-in low water cut-off (LWCO) to protect the boiler from potentially dangerous low water conditions

Integral Draft Diverter

• Features factory installed integrated draft hood diverter, which reduces the risk of improper draft hood installation and unsafe CO levels
• Low profile reduces installation height by up to 30" as compared to models with external draft diverter hood

Limited Lifetime Heat Exchanger Warranty

Built by American Craftsmen
MGB / MGC Gas-Fired Hot Water Boiler

<table>
<thead>
<tr>
<th>Dimensional Diagram</th>
<th>Model</th>
<th>Input Rate (MBH) (1)</th>
<th>Heating Capacity (MBH)</th>
<th>Net AHRI Rating, Water (MBH) (2)</th>
<th>Expansion Tank (3)</th>
<th>No. of Burners</th>
<th>AFUE %</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB Front</td>
<td>MGB-50J 50</td>
<td>42</td>
<td>37</td>
<td>15</td>
<td>1</td>
<td>83.5%</td>
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<tr>
<td></td>
<td>MGB-75J 75</td>
<td>63</td>
<td>55</td>
<td>15</td>
<td>2</td>
<td>83.1%</td>
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<tr>
<td></td>
<td>MGB-100J 100</td>
<td>83</td>
<td>72</td>
<td>30</td>
<td>2</td>
<td>83.0%</td>
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<tr>
<td></td>
<td>MGB-125J 125</td>
<td>104</td>
<td>90</td>
<td>30</td>
<td>3</td>
<td>82.0%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MGB-150J 150</td>
<td>124</td>
<td>108</td>
<td>30</td>
<td>3</td>
<td>83.0%</td>
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<tr>
<td></td>
<td>MGB-170J 170</td>
<td>139</td>
<td>121</td>
<td>30</td>
<td>4</td>
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<tr>
<td></td>
<td>MGB-200J 200</td>
<td>165</td>
<td>143</td>
<td>30</td>
<td>4</td>
<td>82.0%</td>
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<tr>
<td></td>
<td>MGC-8D/DP 262.5/245</td>
<td>220/206</td>
<td>191/179</td>
<td>60</td>
<td>7</td>
<td>83.9%</td>
<td></td>
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<tr>
<td></td>
<td>MGC-9D/DP 299/280</td>
<td>251/235</td>
<td>218/204</td>
<td>60</td>
<td>8</td>
<td>83.7%</td>
<td></td>
</tr>
</tbody>
</table>

(1) Natural Gas, DP=LP Gas
The MGC has distinct input rates for Natural and LP gas versions, 8D/9D rates shown are for Natural gas. 8D/9D rates rates are for LP gas.
(2) Input rating for sea level to 2,000 ft. (610m) above sea level. United States, over 2000 ft (610m) above sea level. Reduce input rate 4% for every 1000 ft (304m) above sea level.
(3) Not all models have 84-3/4” x 6” Flue Connector

For forced hot water systems where boiler and all piping within area to be heated, boiler may be selected on basis of its heating capacity.

(3) Recommended tank sizes for non-ferrous baseboard or radiant panel systems. Increase size for cast iron baseboard and radiation.

General Information

Clearances
- Required distances measured from boiler.
  *Definition of Alcove is three sided space with no wall in front of boiler, ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in IOM.
- Top
  - MGB: 18” (457 mm)
  - MGC: 6” (152 mm)
- Control Side
  - MGB: 9” (229 mm)
  - MGC: 7” (178 mm)
- Other Side
  - MGB: 3” (76mm)
  - MGC: 6” (152 mm)
- Rear
  - MGB: 4” (102 mm)
  - MGC: 18” (457 mm)
- Flue Connector
  - MGB: 6” (152 mm)
  - MGC: 6” (152 mm)

Combustible Materials (Required)

- MGB
  - 18” (457 mm)
  - 6” (152 mm)
- MGC
  - 18” (457 mm)

Connections (All Models)

- Return/Supply Water 1-1/4”, Gas In 1/2” NPT
- Electrical
  - 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

Water Content

- 50 - 2.4 Gallons, 75/100 - 4.0 Gallons, 125/150 - 5.6 Gallons, 170/200 - 7.2 Gallons, 262.5 - 12.7 Gallons, 299 - 14.4 Gallons

Dimensions/Weights

- Model A B C D E Weight
  - MGB-50J 11-1/8” 4” 30-3/4” 36-1/4” 205 lbs.
  - MGB-75J 15” 5” 30-3/4” 37-3/4” 253 lbs.
  - MGB-100J 15” 6” 30-3/4” 37-1/4” 253 lbs.
  - MGB-125J 18-7/8” 6” 30-3/4” 37-1/4” 315 lbs.
  - MGB-150J 18-7/8” 7” 30-3/4” 37-3/4” 315 lbs.
  - MGC-8D/DP 27-1/2” 7” 36-3/8” 41-7/8” 552 lbs.
  - MGC-9D/DP 30-3/4” 7” 36-3/8” 41-7/8” 616 lbs.

Standard Equipment

- Boiler Control Module: Hydrolevel Fuel Smart Control - combination Low Water Cut Off with boiler temperature reset and circulator control.
- User Display Interface: Digital Temperature Display
- Safety: Spill Switch and Roll-Out Switch for safety, Automatic Vent Damper.
- Other: Insulated Boiler Jacket, Integral Draft Diverter, Combination Temperature/Pressure Gauge, 3/4” Drain Valve, 30lb. ASME Relief Valve, MAWP Maximum Allowable Working Pressure 100 psi (MGB) & 50 psi (MGC).

Options

- Available in both natural gas or propane models. Central Heating Pump (Taco, Grundfos, B&G or Less Pump), LP Conversion Kit, Combustible Floor Plate, Fill-Trol.

Certifications

- C.S.A. Certified
- CULus Listed
- Tested for 100 psi (MGB) / 50 psi (MGC)
- ASME Working Pressure

All specifications subject to change without notice.
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ECR International Inc.
2201 Dwyer Avenue, Utica, NY 13501
Tel. 800 253 7900
www.ecrinternational.com

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