



Green Mountain

BOILERS

- Available in 9 sizes from 45 to 295 Mbh.
- Quality Heat Exchanger Design – Features a dependable cast iron heat exchanger with cast iron push nipples. 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.
- Operating Controls – Honeywell control, with digital display and diagnostics, monitors water temperature and delays burner from starting until the residual heat energy within the boiler is consumed. Built-in low water cut off (LWCO) protects the boiler from potentially dangerous low water conditions.
- Easy Installation and Maintenance – A compact design, low profile draft hood and top supply piping connections allow for easier installation. The pilot is mounted to the front of the burner base.
- Warranty – 20 Year Limited Heat Exchanger Warranty, 1 Year Limited Component Parts

GMGW SERIES

Gas Fired Water Boiler

82% AFUE Gas Fired Water Boiler



**As rugged as the outdoors...
for dependable comfort every day.**

Green Mountain GMGW Series Gas Fired Hot Water Boiler

Dimensional Diagram	Model	Input Rate (Mbh) ⁽¹⁾	Heating Capacity (Mbh) ⁽¹⁾	Net AHRI Rating, Water (Mbh) ⁽²⁾	Air Cushion Tank ⁽³⁾	No. of Burners	AFUE %																																																																																
<p>[FRONT OF BOILER]</p> <p>1 1/4" SUPPLY RECESSED</p> <p>3 9/16"</p> <p>36 5/16"</p> <p>5 7/8"</p> <p>FRONT</p>	GMGWB045FE	45	37	32	15	1	82.0%																																																																																
	GMGWB070FE	70	57	50	15	2	82.0%																																																																																
	GMGWB096FE	96	79	69	30	2	82.0%																																																																																
	GMGWB120FE	120	98	85	30	3	82.0%																																																																																
	GMGWB145FE	145	119	103	30	3	82.0%																																																																																
	GMGWB170FE	170	140	122	30	4	82.0%																																																																																
	GMGWB195FE	195	160	139	30	4	82.0%																																																																																
	GMGWB245FE	245	201	174	30	5	82.0%																																																																																
GMGWB295FE	295	242	210	60	6	82.0%																																																																																	
<p>(1) 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.</p> <p>(2) Net AHRI Water Ratings shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.</p> <p>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.</p> <p>(3) Recommended tank sizes for non-ferrous baseboard or radiant panel systems. Increase size for cast iron baseboard and radiation.</p>																																																																																							
<p>General Information (See Installation, Operation and Maintenance Manual for complete instructions)</p> <table border="1"> <thead> <tr> <th rowspan="2">Clearances ⁽⁴⁾ Required distances measured from boiler.</th> <th colspan="2">Combustible Materials (Required) ⁽⁴⁾</th> </tr> <tr> <th>Top</th> <th>18" (457 mm)</th> </tr> </thead> <tbody> <tr> <td>Left Side (Control Side)</td> <td>9" (229 mm)</td> </tr> <tr> <td>Right Side</td> <td>3" (76 mm)</td> </tr> <tr> <td>Front</td> <td>Alcove*</td> </tr> <tr> <td>Back</td> <td>8" (229 mm)</td> </tr> <tr> <td>Flue Connector</td> <td>6" (152 mm)</td> </tr> </tbody> </table> <p>*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.</p>								Clearances ⁽⁴⁾ Required distances measured from boiler.	Combustible Materials (Required) ⁽⁴⁾		Top	18" (457 mm)	Left Side (Control Side)	9" (229 mm)	Right Side	3" (76 mm)	Front	Alcove*	Back	8" (229 mm)	Flue Connector	6" (152 mm)																																																																	
Clearances ⁽⁴⁾ Required distances measured from boiler.	Combustible Materials (Required) ⁽⁴⁾																																																																																						
	Top	18" (457 mm)																																																																																					
Left Side (Control Side)	9" (229 mm)																																																																																						
Right Side	3" (76 mm)																																																																																						
Front	Alcove*																																																																																						
Back	8" (229 mm)																																																																																						
Flue Connector	6" (152 mm)																																																																																						
Connections (All Models)		Return/Supply Water 1-1/4", Gas In 1/2" NPT GMGWB045FE - GMGWB195FE, 3/4" NPT GMGWB245FE and GMGWB295FE, Propane Gas Inlet (All units) 1/2"																																																																																					
Electrical		120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)																																																																																					
Water Content		GMGWB045FE - 2.4 gals., GMGWB070FE & GMGWB096FE - 4.0 gals., GMGWB120FE & GMGWB145FE - 5.6 gals., GMGWB170FE & GMGWB195FE - 7.2 gals., GMGWB245FE - 8.8 gals., GMGWB295FE - 10.4 gals.																																																																																					
<p>[LEFT SIDE OF BOILER]</p> <p>25 7/16"</p> <p>4"</p> <p>30 1/4"</p> <p>13 11/16"</p> <p>4 7/16"</p> <p>LEFT SIDE</p>	Dimensions/Weights		<table border="1"> <thead> <tr> <th>Model</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>GMGWB045FE</td> <td>11-1/4"</td> <td>5-5/8"</td> <td>4"</td> <td>27-1/8"</td> <td>20-7/16"</td> <td>4-15/16"</td> <td>255 lbs.</td> </tr> <tr> <td>GMGWB070FE</td> <td>15-1/8"</td> <td>7"</td> <td>5"</td> <td>28-1/8"</td> <td>20-15/16"</td> <td>4-15/16"</td> <td>305 lbs.</td> </tr> <tr> <td>GMGWB096FE</td> <td>15-1/8"</td> <td>7"</td> <td>5"</td> <td>28-1/8"</td> <td>20-15/16"</td> <td>4-15/16"</td> <td>310 lbs.</td> </tr> <tr> <td>GMGWB120FE</td> <td>19"</td> <td>9-1/2"</td> <td>6"</td> <td>29-1/8"</td> <td>21-7/16"</td> <td>5-7/16"</td> <td>355 lbs.</td> </tr> <tr> <td>GMGWB145FE</td> <td>19"</td> <td>9-1/2"</td> <td>6"</td> <td>29-1/8"</td> <td>21-7/16"</td> <td>5-7/16"</td> <td>360 lbs.</td> </tr> <tr> <td>GMGWB170FE</td> <td>22-7/8"</td> <td>11-3/16"</td> <td>7"</td> <td>30-1/8"</td> <td>21-15/16"</td> <td>5-15/16"</td> <td>420 lbs.</td> </tr> <tr> <td>GMGWB195FE</td> <td>22-7/8"</td> <td>11-3/16"</td> <td>7"</td> <td>30-1/8"</td> <td>21-15/16"</td> <td>5-15/16"</td> <td>425 lbs.</td> </tr> <tr> <td>GMGWB245FE</td> <td>26-3/4"</td> <td>13-6/16"</td> <td>8"</td> <td>31-1/8"</td> <td>22-7/16"</td> <td>6-15/16"</td> <td>495 lbs.</td> </tr> <tr> <td>GMGWB295FE</td> <td>30-5/8"</td> <td>15-5/16"</td> <td>9"</td> <td>32-1/8"</td> <td>22-15/16"</td> <td>8-15/16"</td> <td>555 lbs.</td> </tr> </tbody> </table>					Model	A	B	C	D	E	F	Weight	GMGWB045FE	11-1/4"	5-5/8"	4"	27-1/8"	20-7/16"	4-15/16"	255 lbs.	GMGWB070FE	15-1/8"	7"	5"	28-1/8"	20-15/16"	4-15/16"	305 lbs.	GMGWB096FE	15-1/8"	7"	5"	28-1/8"	20-15/16"	4-15/16"	310 lbs.	GMGWB120FE	19"	9-1/2"	6"	29-1/8"	21-7/16"	5-7/16"	355 lbs.	GMGWB145FE	19"	9-1/2"	6"	29-1/8"	21-7/16"	5-7/16"	360 lbs.	GMGWB170FE	22-7/8"	11-3/16"	7"	30-1/8"	21-15/16"	5-15/16"	420 lbs.	GMGWB195FE	22-7/8"	11-3/16"	7"	30-1/8"	21-15/16"	5-15/16"	425 lbs.	GMGWB245FE	26-3/4"	13-6/16"	8"	31-1/8"	22-7/16"	6-15/16"	495 lbs.	GMGWB295FE	30-5/8"	15-5/16"	9"	32-1/8"	22-15/16"	8-15/16"	555 lbs.
	Model	A	B	C	D	E	F	Weight																																																																															
	GMGWB045FE	11-1/4"	5-5/8"	4"	27-1/8"	20-7/16"	4-15/16"	255 lbs.																																																																															
	GMGWB070FE	15-1/8"	7"	5"	28-1/8"	20-15/16"	4-15/16"	305 lbs.																																																																															
	GMGWB096FE	15-1/8"	7"	5"	28-1/8"	20-15/16"	4-15/16"	310 lbs.																																																																															
	GMGWB120FE	19"	9-1/2"	6"	29-1/8"	21-7/16"	5-7/16"	355 lbs.																																																																															
	GMGWB145FE	19"	9-1/2"	6"	29-1/8"	21-7/16"	5-7/16"	360 lbs.																																																																															
	GMGWB170FE	22-7/8"	11-3/16"	7"	30-1/8"	21-15/16"	5-15/16"	420 lbs.																																																																															
	GMGWB195FE	22-7/8"	11-3/16"	7"	30-1/8"	21-15/16"	5-15/16"	425 lbs.																																																																															
GMGWB245FE	26-3/4"	13-6/16"	8"	31-1/8"	22-7/16"	6-15/16"	495 lbs.																																																																																
GMGWB295FE	30-5/8"	15-5/16"	9"	32-1/8"	22-15/16"	8-15/16"	555 lbs.																																																																																
Standard Equipment		<p>Boiler Control Module: High Limit Control</p> <p>Heat Exchanger: Cast Iron Heat Exchanger with Cast Iron Push Nipples.</p> <p>Combustion: Intermittent Electric Ignition Pilot System, Main Gas Burners, Combination Gas Control (Includes Automatic Gas Valve, Gas Pressure Regulator, Intermittent Pilot, Safety Shutoff, Pilot Flow Adjustment, Pilot Filter)</p> <p>Safety: Non-linting Safety Pilot, Spill Switch, Rollout Switch</p> <p>Other: Boiler Jacket, Circulator, Wiring Harness, Automatic Vent Damper, Vent Damper Relay, A.S.M.E. Relief Valve, Drain Valve.</p>																																																																																					
Options		Available in both natural gas or propane models.																																																																																					
Certifications		<p>C.S.A. Certified For Natural Gas Or Propane</p> <p>US</p> <p>Tested For 100 psi. ASME Working Pressure</p> <p>AHRI CERTIFIED www.ahridirectory.org</p>																																																																																					

All ratings and specifications subject to change.

PN 240009822 Rev. 6/17

