

# GAS-FIRED WATER BOILER

## MGC Series 3 CAST IRON

### 84% AFUE EFFICIENCY



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, the boiler maintains a water tight seal.

#### Hydrolevel Operating Control

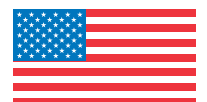
- Features digital display and diagnostics
- Adjusts the water temperature based on your heating system demand which further reduces your heating costs
- Built-in low water cut-off (LWCO) to protect the boiler from potentially dangerous low water conditions

#### 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 an external draft diverter hood

**20 Year Non-prorated Limited Warranty (Residential)**

**Built by American Craftsmen**



## MGC MODELS

### Available in 2 Sizes:

262 MBH & 299 MBH Capacities

Natural Gas or Propane

## RATINGS

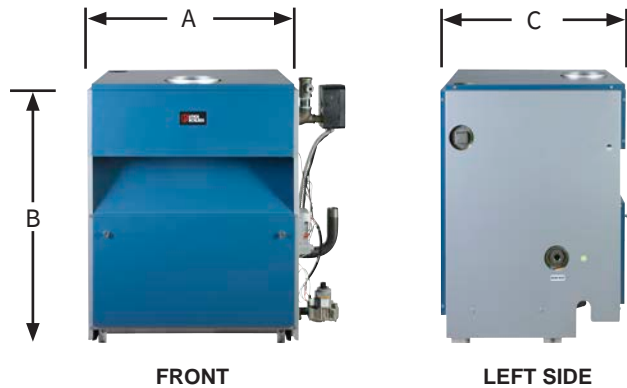
MODEL	AHRI CERTIFIED RATINGS				DIMENSIONS							
	Input MBH <sup>(1)</sup>	Heating Capacity MBH <sup>(1)(2)</sup>	Net AHRI Water MBH <sup>(1)(3)</sup>	Efficiency AFUE%	Recommended Expansion Tank	Flue Diameter <sup>(4)</sup>	Number of Burners	Water Content GALLONS	-A- Width	-B- Height	-C- Depth	Weight Lbs.
MGC-8D	262	221	192	84.0	60	7"	7	12.7	27 1/2"	36 3/8"	26 1/2"	552
MGC-9D	299	252	219	84.0	60	7"	8	14.4	30 3/4"	36 3/8"	26 1/2"	616

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

(2) Heating Capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures.

(3) Net AHRI Ratings based on piping and allowance of 1.115. Contact Technical Support before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

(4) Refer to IOM and vent pipe manufacturer's instructions for approved venting materials and installation methods.



## CONNECTIONS

Water Return & Supply: 1 1/4"	Gas Inlet: 1/2" NPT
-------------------------------	---------------------

## ELECTRICAL

120 V ac, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended)
-----------------------------------------------------------------------------

## 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  
 Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.  
 Combustion: Titanium Composite Burners, Combination 24 Volt Gas Control (Includes: Automatic Gas Valve, Gas Pressure Regulator, Automatic Pilot, Safety Shutoff, Pilot Flow Adjustment, Pilot Filter), Intermittent Pilot Control, Continuous Retry, Combination Pilot Burner/Electrode/Flame Sensor.  
 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 50 psi.

## OPTIONS

Propane Conversion Kits Available, Central Heating Pump (Taco, Grundfos, or Less Pump), Fill-Trol.
----------------------------------------------------------------------------------------------------

