



Williamson®

GWA
SERIES 4



Gas-Fired Water Boiler

PRODUCT HIGHLIGHTS

Atmospheric (chimney) Venting

Built-in Low Water Cut-Off

38,000 to 233,000 Btuh Input

Natural Gas or Propane

FEATURES

Performance & Controls

- Smart control uses stored heat to reduce fuel consumption
- Spark ignition system
- Control module with temperature display and indicator lights

Installation & Serviceability

- Chimney venting
- One-piece access door
- All controls in easy reach
- Factory-packaged

Durability & Safety

- Cast iron sections with built-in air separator
- Insulated heavy-gauge steel jacket

Explore the full product line at Williamson-Thermoflo.com

RATINGS

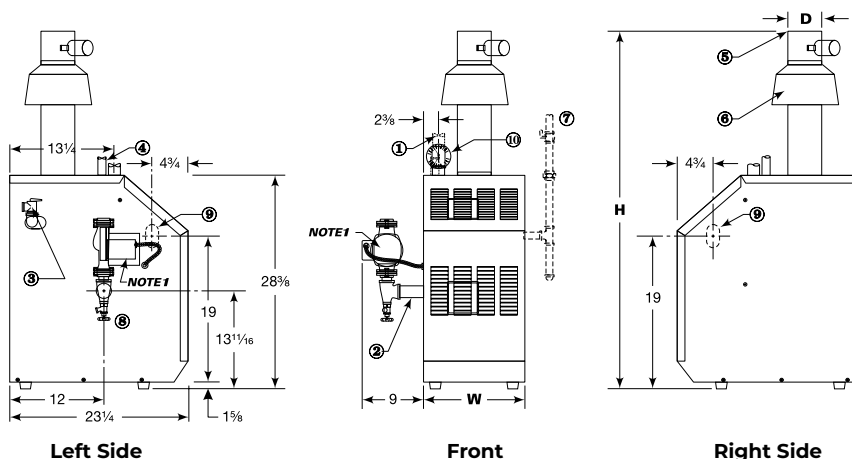
Model	Input (Btuh)	AHRI Certified Ratings			Boiler Water Content (Gal.)	Chimney & Breeching Size	Circulator Flange Size Recommended supply & return pipe size, NPT
		Heating Capacity ¹ (Btuh)	Net Rating ² (Btuh)	AFUE %			
GWA-038	38,000	32,000	28,000	84.0	1.5	4" I.D. x 20"	3/4"
GWA-067	67,000	56,000	49,000	84.0	1.5	4" I.D. x 20"	1"
GWA-100	100,000	85,000	74,000	84.0	2.1	5" I.D. x 20"	1"
GWA-133	133,000	113,000	98,000	84.0	2.7	6" I.D. x 20"	1"
GWA-166	166,000	141,000	123,000	84.0	3.3	6" I.D. x 20"	1 1/4"
GWA-200	200,000	170,000	148,000	84.0	3.8	7" I.D. x 20"	1 1/4"
GWA-233	233,000	198,000	172,000	84.0	4.4	7" I.D. x 20"	1 1/2"

1. Based on standard test procedures prescribed by the United States Department of Energy.

2. Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup allowance of 1.15. An additional allowance should be made for unusual piping and pickup loads.

DIMENSIONS & CONNECTIONS

Dimensions shown in inches



Model	Dimensions		
	W	H	D
GWA-038	10"	45 3/8"	4"
GWA-067	10"	52 3/8"	4"
GWA-100	13"	54 3/8"	5"
GWA-133	16"	57 7/8"	6"
GWA-166	19"	60 7/8"	6"
GWA-200	22"	62 1/8"	7"
GWA-233	25"	64 7/8"	7"

- ① Supply piping (Note 1)
- ② Return piping (Note 1)
- ③ Relief valve, 3/4" NPT
- ④ 1/2" NPT to expansion tank/air vent
- ⑤ Vent connection to vent damper
- ⑥ Draft hood
- ⑦ Gas supply piping
- ⑧ Drain valve
- ⑨ Gas supply entrance (right or left side)
- ⑩ Pressure/temperature gauge

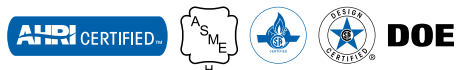
Note 1: Boiler supply and return tapings are 1 1/4" NPT. Circulator flanges shipped with boiler are sized to recommended pipe size listed in RATINGS table, above.

Boiler circulator is shipped loose. Circulator may be mounted on either boiler supply or return piping.

GWA boilers are CSA design certified for installation on combustible flooring (Do not install on carpeting)

EQUIPMENT

- Factory tested
- Insulated heavy-gauge steel jacket
- Cast iron sections with built-in air separator
- Vertical draft hood
- Taco 007 circulator
- Stainless steel burners
- Electrical junction box
- Spill switch
- Transformer 40VA
- Drain valve
- 24-VAC combination gas valve
- Control module with temperature display and operation sequence lights
- Automatic vent damper
- High temperature limit control
- 30 PSIG ASME relief valve
- Combination pressure/temperature gauge
- Spark-ignited (intermittent) pilot system
- Built-in low water cut-off with test button



WARRANTY

Residential Use

- 20 Year heat exchanger warranty
- 1 Year limited parts warranty

Commercial Use

- 10 Year heat exchanger warranty
- 1 Year limited parts warranty

Questions? Contact us at Williamson-Thermoflo.com

In the interest of continual improvement in product and performance, Williamson-Thermoflo reserves the right to change specifications without notice.

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