



# GSA

## Gas-fired Steam Boilers

- ☐ Factory tested
  - ☐ Easy service
    - One-piece access door
    - All controls in easy reach
  - ☐ High efficiency
    - Generous heating surface
    - Automatic vent damper
  - ☐ Cast iron sections
  - ☐ Rugged construction for long life
    - Stainless steel burners
    - Integral cast iron legs
    - Integral draft diverter
    - Insulated heavy-gauge steel jacket
    - Heavy-gauge aluminized steel flue collector
  - ☐ 10-Year warranty on boiler sections
- ☐ Factory-packaged (GSA-075 – GSA-250)
  - ☐ 75,000 to 300,000 Btuh Input  
Natural or propane gas
  - ☐ Atmospheric (chimney) venting



**Williamson**



## RATINGS



DOE

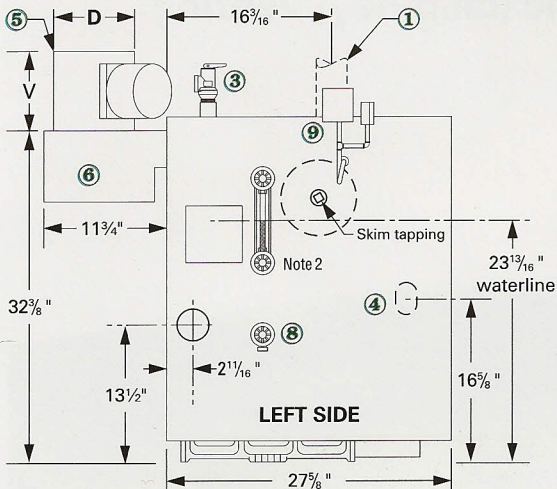
Boiler model number	0-2,000 feet altitude		2,000-4,500 feet altitude (Canada)		Net I=B=R ratings		DOE Seasonal efficiency (% A.F.U.E.)			Chimney and breeching size (x 20' high)	Boiler water content (to water line)	Boiler shipping weight
	Input	Output (DOE Htg Cap)	Input	Output								
	Btuh	Btuh	Btuh	Btuh	Square feet	Btuh	N-S	N-I	L-S		Gallons	Pounds
GSA-075	75,000	62,000	67,500	56,000	196	47,000	81.0	83.0	82.9	5" I.D.	8.4	410
GSA-100	100,000	83,000	90,000	75,000	258	62,000	81.3	82.9	82.5	5" I.D.	8.4	410
GSA-125	125,000	104,000	112,500	93,000	325	78,000	81.5	82.9	83.2	6" I.D.	9.8	500
GSA-150	150,000	125,000	135,000	112,000	392	94,000	81.6	82.9	83.0	6" I.D.	9.8	500
GSA-175	175,000	145,000	157,500	131,000	454	109,000	81.9	82.8	83.7	7" I.D.	11.2	590
GSA-200	200,000	167,000	180,000	150,000	521	125,000	81.9	82.8	83.5	7" I.D.	11.2	590
GSA-250	250,000	209,000	225,000	188,000	654	157,000	82.0	83.0	82.8	8" I.D.	12.6	680
GSA-300	300,000	240,000	270,000	216,000	750	180,000	n/a	n/a	n/a	8" I.D.	14.0	735

Contact your dealer regarding information and parts for high altitude applications.  
Based on standard test procedures prescribed by the United States Department of Energy.

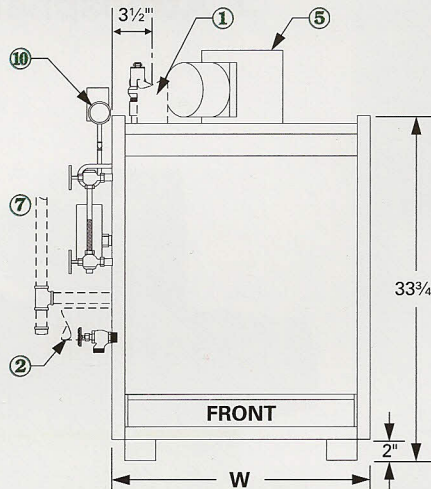
Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup allowance of 1.333. Additional allowance should be made for unusual piping and pickup loads.  
See ORDER CODES below for model suffix explanation.

## DIMENSIONS

ALL DIMENSIONS IN INCHES



- ① Supply piping to boiler 3" NPT tapping (Note 1)
- ② Return piping to boiler 2 1/2" tapping (Note 1)
- ③ Relief valve, 3/4" NPT
- ④ Gas supply entrance (right or left side)
- ⑤ Vent connection to vent damper (optional on GSA-300)
- ⑥ Draft diverter
- ⑦ Gas supply piping
- ⑧ Drain valve
- ⑨ Pressure limit control
- ⑩ Pressure gauge



Boiler model number	"V" Damper height	"D" Vent diameter	"W" Jacket width
GSA-075	6	5	17
GSA-100	6	5	17
GSA-125	6 1/2	6	21 1/4
GSA-150	6 1/2	6	21 1/4
GSA-175	9	7	25 1/2
GSA-200	9	7	25 1/2
GSA-250	9 1/2	8	29 3/4
GSA-300	9 1/2	8	34

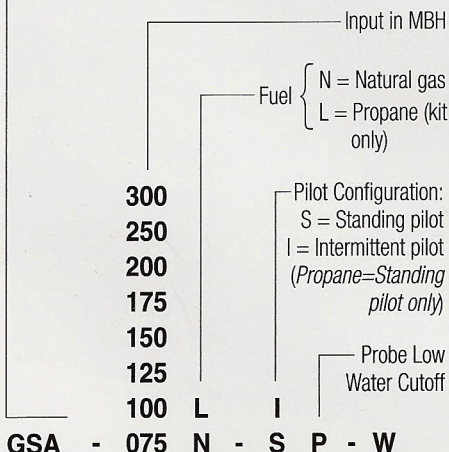
Note 1: See Boiler Manual for recommended system supply and return piping sizes.

Note 2: If field-installing a float-type low water cutoff, it must be connected only using the gauge glass tapings. No other location is acceptable.

## ORDER CODE

## EQUIPMENT

GSA=Gas Steam Boiler, Atmospheric (Chimney) Vent



- Factory tested
- Insulated heavy-gauge steel jacket
- Factory-assembled cast iron section, boiler fully assembled (except GSA-300)
- Integral horizontal draft diverter
- 24-VAC combination gas valve
- Gauge glass and guard assembly
- Pressure gauge and siphon assembly
- Stainless steel burners
- Pressure limit control
- Probe low water cutoff

- High temperature limit control
- Automatic vent damper (except GSA-300)
- 15 PSIG ASME relief valve
- Drain valve

### STANDING PILOT MODELS

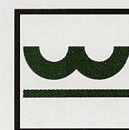
- Constant-burning pilot system, thermally-supervised

### INTERMITTENT PILOT MODELS

- Spark-ignited (intermittent) pilot system
- Electronic ignition/flame supervisory control

## WARRANTY

- Ten-year limited warranty on boiler sections
- 1-year limited warranty on parts
- Optional 5- or 10-year parts and labor warranty



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www.williamson-thermoflo.com Form W-504(09/08)