



**HIGH-EFFICIENCY
CAST IRON BOILER**

CGa™



U.S. DEPARTMENT OF
ENERGY
2021 COMPLIANT



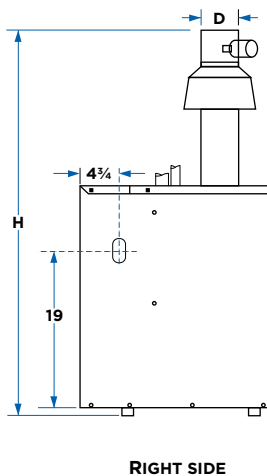
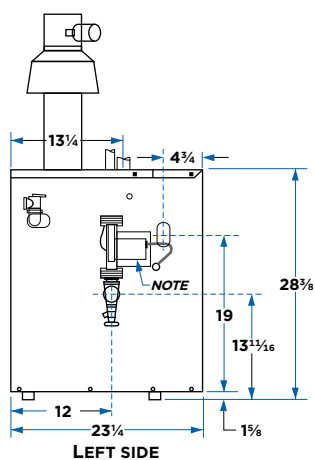
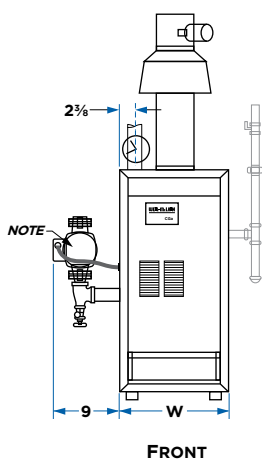
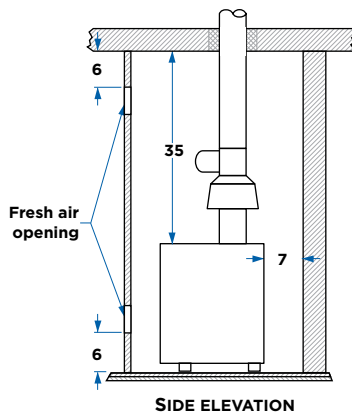
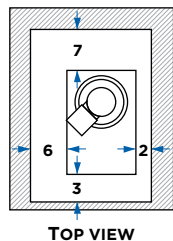
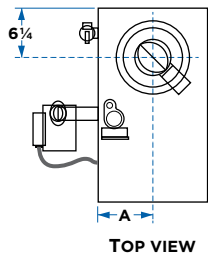
Now with built-in low water cut off
Ideal for residential and commercial installations
Durable cast iron design for long service life
Built by North America's leading boiler manufacturer

CAST TO LAST



**HEAT EXCHANGER
MADE IN THE USA**

DIMENSIONS



Note: Boiler circulator is shipped loose. Circulator may be mounted on either boiler supply or return piping. See dimension chart for pipe size of circulator flange provided.

| Model | Dimensions (in.) | | | | Supply Piping (in.) ¹ | Return Piping (in.) ¹ | Nat or LP Gas Connection Size (in.) | Carton Dimensions - Outside Measurements (in.) | | |
|--------|------------------|---|----|------------------|----------------------------------|----------------------------------|-------------------------------------|--|------------------|----|
| | A | D | W | H | | | | L | W | H |
| CGa-25 | 5 | 4 | 10 | 45 $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | $\frac{1}{2}$ | 30 | 27 $\frac{1}{2}$ | 35 |
| CGa-3 | 5 | 4 | 10 | 52 $\frac{3}{8}$ | 1 | 1 | $\frac{1}{2}$ | 30 | 27 $\frac{1}{2}$ | 35 |
| CGa-4 | 6 $\frac{1}{2}$ | 5 | 13 | 54 $\frac{3}{8}$ | 1 | 1 | $\frac{1}{2}$ | 30 | 27 $\frac{1}{2}$ | 35 |
| CGa-5 | 8 | 6 | 16 | 57 $\frac{3}{8}$ | 1 | 1 | $\frac{1}{2}$ | 36 | 27 $\frac{1}{2}$ | 35 |
| CGa-6 | 9 $\frac{1}{2}$ | 6 | 19 | 60 $\frac{3}{8}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | $\frac{1}{2}$ | 42 | 27 $\frac{1}{2}$ | 35 |
| CGa-7 | 11 | 7 | 22 | 62 $\frac{1}{2}$ | 1 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | $\frac{3}{4}$ | 42 | 27 $\frac{1}{2}$ | 35 |
| CGa-8 | 12 $\frac{1}{2}$ | 7 | 25 | 64 $\frac{3}{8}$ | 1 $\frac{1}{2}$ | 1 $\frac{1}{2}$ | $\frac{3}{4}$ | 42 | 27 $\frac{1}{2}$ | 35 |

¹Circulator flange supplied with boiler is the same size as recommended pipe size. For supply and return boiler tapping size, see installation manual.

RATINGS

| Model ² | Input MBH ³ | DOE Heating Capacity MBH ³ | Net AHRI Water Ratings MBH ⁴ | AFUE | Approx. Shipping Weight (Lbs.) | Boiler Water Content (Gal.) | Chimney Size |
|--------------------|------------------------|---------------------------------------|---|-------|--------------------------------|-----------------------------|---------------|
| CGa-25 | 38 | 32 | 27 | 84.0% | 200 | 1.5 | 4" I.D. x 20' |
| CGa-3 | 67 | 56 | 48 | 84.0% | 200 | 1.5 | 4" I.D. x 20' |
| CGa-4 | 100 | 85 | 73 | 84.0% | 240 | 2.1 | 5" I.D. x 20' |
| CGa-5 | 133 | 113 | 98 | 84.0% | 280 | 2.7 | 6" I.D. x 20' |
| CGa-6 | 166 | 141 | 122 | 84.0% | 325 | 3.3 | 6" I.D. x 20' |
| CGa-7 | 200 | 170 | 147 | 84.0% | 370 | 3.8 | 7" I.D. x 20' |
| CGa-8 | 233 | 198 | 172 | 84.0% | 425 | 4.4 | 7" I.D. x 20' |

CGa boilers are C.S.A. design certified for installation on combustible flooring. Tested for 50 PSI working pressure.

STANDARD EQUIPMENT:

BOILER

- Integrated Boiler Control Module with intermittent electronic ignition system & indicator/diagnostic lights
- Integrated low-water cutoff, with test button
- Two-piece top jacket panel
- Insulated extended steel jacket
- Cast iron sections with built-in air separator
- Radiation plates
- Vertical draft hood
- Automatic vent damper
- Combination gas valve for 24 volt
- Wiring harness
- Non-linting pilot burner
- Stainless steel burners
- Electrical junction box
- Rollout thermal fuse element
- High-limit temperature control
- Circulator (when ordered)
 - Sizes 25-5: Taco 007e
 - Sizes 6-8: Taco 007
- Spill switch
- 30 PSI ASME relief valve (boiler sections tested for 50 PSI working pressure)
- Combination pressure-temperature gauge
- Drain valve
- 40 VA transformer
- Plug-in connector and wiring

ADDITIONAL EQUIPMENT:

- Expansion tank package — shipped in separate carton (expansion tank, fill & check valve, auto air vent and fittings)
- Outdoor Reset Kit (part #381-356-586) Low cost, simple plug-in sensor—check local utility program for possible rebate.
- Zone Interface Harness Kit (part #381-356-585) Used to communicate between an existing relay panel wired into the system and boiler, to separate DHW from space heating demands.

LIMITED TRANSFERABLE WARRANTY:

- Residential: 20 Years Heat Exchanger; 2 Years Parts
- Commercial: 10 Years Heat Exchanger; 1 Year Parts

²Add "PIN" for natural gas, "PIL" for propane.

³Based on standard test procedures prescribed by the United States Department of Energy.

⁴Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing needs to be added for normal piping and pick-up. Ratings are based on a piping and pick-up allowance of 1.15. An additional allowance should be made for unusual piping and pick-up loads.

