

## Burnham

Gas Fired, Chimney Vented, Cast Iron Water Boiler

## Fully Updated for

 D.O.E. 2012 Compliance!- $84 \%$ AFUE
- Electronic ignition
- Equipped with IQ Control System ${ }^{\text {TM }}$
- 70 - 280 MBH ( 7 sizes)
- Industry standard tapping locations, allows easy, direct replacement for thousands of existing boiler installations
- Solid, reliable, American-made cast iron heat exchanger can accept return water temps as low as $110^{\circ} \mathrm{F}$
- Lifetime limited warranty
contro
system
- Consists of the Intelligent Hydronic Control and IQ Option Panel


Intelligent Hydronic Control

- Combines aquastat, relay, and ignition functions into a single module
- Two customizable integrated switching relays for easy addition of additional heating zone or indirect water heater
- Energy saving "thermal purge", which works by circulating residual warm water ( $140^{\circ}$ or above) in the heating system before firing the boiler


## IQ Option Pane

- Enables the easy plug \& play installation of optional features such as outdoor reset, LWCO, and high limit


Optional Touchscreen

- LCD displays all boiler settings, diagnostics, and troubleshooting in sentences, not codes


## Series 3: Technical Information

| Series 3 Ratings \& Specifications |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Model | AFUE\% | Input <br> (MBH) | DOE <br> Heating <br> Capacity <br> (MBH) | Approx. <br> Net AHRI <br> (MBH) | Vent Size <br> (Inches) | Shipping <br> Weight. <br> (lbs.) |
| 303 | 84 | 70 | 59 | 51 | 4 | 254 |
| 304 | 84 | 105 | 89 | 77 | 5 | 301 |
| 305 | 84 | 140 | 119 | 103 | 6 | 353 |
| 306 | 84 | 175 | 149 | 130 | 6 | 405 |
| 307 | 84 | 210 | 178 | 155 | 7 | 464 |
| 308 | 84 | 245 | 208 | 181 | 7 | 514 |
| 309 | 84 | 280 | 208 | 207 | 8 | 564 |

* Add suffix "N" for natural gas, or suffix "L" for LP gas models

All models certified for use from sea level to 10,000 feet in elevation. Outputs are reduced by $2 \%$ per 1,000 feet in elevations from 5,000 to 10,000 feet.
All Series 3 boilers are shipped with 30 psi relief valves, MAWP is 50 psi.

| Series 3 Dimensions \& Connections |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Model | Dimensions (inches) |  |  | Connections (inches) |  |  |  | Water Content (gal.) |
|  | Width | Height | Depth | Supply | Return | Gas <br> Valve | Relief Valve |  |
| 303 | 12-3/4 | 41 | 33 | 1-1/4 | 1-1/4 | 1/2 | 3/4 | 2 |
| 304 | 15-1/2 | 41 | 33 | 1-1/4 | 1-1/4 | 1/2 | 3/4 | 3 |
| 305 | 18-1/2 | 41 | 33 | 1-1/4 | 1-1/4 | 1/2 | 3/4 | 4 |
| 306 | 21-1/2 | 41 | 33 | 1-1/4 | 1-1/4 | 1/2 | 3/4 | 5 |
| 307 | 24-3/4 | 41 | 33 | 1-1/4 | 1-1/4 | 3/4 | 3/4 | 6 |
| 308 | 24-3/4 | 41 | 33 | 1-1/4 | 1-1/4 | 3/4 | 3/4 | 7 |
| 309 | 30-3/4 | 41 | 33 | 1-1/4 | 1-1/4 | 3/4 | 3/4 | 8 |



NOTES:

## Burnham Series 3 with $Q \underset{\substack{\text { control } \\ \text { system } \\ \text { inside }}}{ }$ T.S. $\mathrm{BOH}_{\text {by }}$ Gomiany



CAUTION: Chimney liner may be required by code requirements

* Minimal radial distance around vent pipe and breeching
** Add height required to maintain 6" clearance from all breeching components
*** Area of each opening 1 sq. inch for each 1,000 BTUH input - with minimum of 100 sq. inches. Height of opening should be half the width.

