

Burnham' Scrics 3™

Gas Fired, Chimney Vented, Cast Iron Water Boiler

- 84% AFUE
- Electronic ignition
- Equipped with IQ Control System™
- 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°F
- Lifetime limited warranty





 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° or above) in the heating system before firing the boiler

IQ Option Panel

• 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





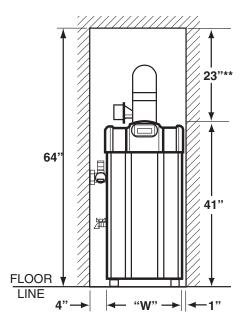
Series 3: Technical Information



Standard Equipment

- · Insulated sleek, modern jacket
- Integrated draft diverter, damper and connector included
- Heavy gauge 1" and 1-1/2" base insulation
- Intelligent Hydronic Control Simple self-diagnostic control system with 3-digit readout for status settings and errors
- IQ Option Panel, accepts plug & play IQ Option Cards for – Outdoor reset with DHW priority
 - Auto or manual reset low water cutoff
- Auto or manual auxilliary high limit
- Step-opening redundant gas valve
- 110°F minimum return temperature rating
- Spark ignition with continuous retry
- User-friendly wiring with 120V J-box
- Taco 007 circulator with piping with wiring harness
- Cast iron section assembly
- · Resettable blocked vent switch
- Boiler drain valve
- · Cast iron supply manifold with safety relief valve tapping





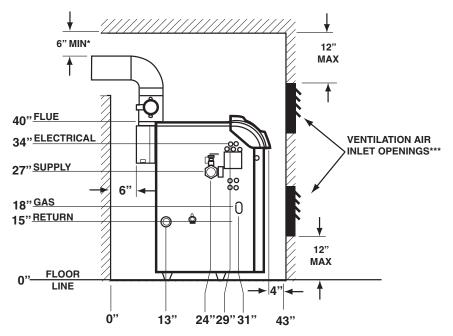
Series 3 Ratings & Specifications											
Model	AFUE%	Input (MBH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (Inches)	Approx. Shipping Weight. (Ibs.)					
303	84	70	59	51	4	254					
304	84	105	88	77	5	301					
305	84	140	117	102	6	353					
306	84	175	146	127	6	405					
307	84	210	176	153	7	464					
308	84	245	205	178	7	514					
309	84	280	234	203	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												
	Dimen	sions (in	ches)	Connections (inches)				Water				
Model	Width	Height	Depth	Supply	Return	Gas Valve	Relief Valve	Content (gal.)				
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	27-3/4	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:

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.

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