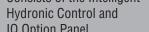


## Gas Fired, **Chimney Vented, Cast Iron Water Boiler**

- 85% AFUE
- · Electronic ignition
- Easy, intelligent IQ Control System™
- Outdoor reset available increases efficiency by 15-20%
- 70 280 MBH (7 sizes)
- Industry standard tapping locations fit thousands of existing boiler installations
- · Reliable, American-made cast iron heat exchanger
- Lifetime limited warranty



· Consists of the Intelligent Hydronic Control and IQ Option Panel



#### **Intelligent Hydronic Control**

- Provides fast and easy "out of the box" installation.
- Simple codes convey boiler status and eliminate guesswork
- · 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

#### **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



# **ES2:** 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 auxilliary high limit
- · Step-opening redundant gas valve
- · Stainless steel flue baffles
- · Spark ignition with retry
- User-friendly wiring with 120V J-box
- Circulator
- Cast iron section assembly
- · Resettable blocked vent switch
- · Boiler drain valve
- · Cast iron supply manifold with safety relief valve tapping

ES2 Ratings & Specifications									
Model	AFUE%	Input¹ (MBH)	DOE Heating Capacity <sup>1</sup> (MBH)	Net AHRI Water Rating <sup>1,2</sup> (MBH)	Vent Size (Inches)	Approx. Shipping Weight. (lbs.)			
ES23	85.0	70	59	51	4	254			
ES24	85.0	105	89	77	5	301			
ES25	85.0	140	119	103	6	353			
ES26	85.0	175	149	130	6	405			
ES27	85.0	210	178	155	7	464			
ES28	85.0	245	208	181	7	514			
ES29	85.0	280	238	207	8	564			

Available for natural or LP gas

- Ratings shown are based on certification up to 2,000 ft. Above 2,000 ft. ratings decrease by 3% per 1,000 ft. above sea level. Altitude kits required above 5,400 ft. See altitude conversion kits below.
- Net AHRI Water Ratings shown based on a piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

3.	All ES2	boilers	shipped	with	30	psi	relief	valve.	MAWP	is 50 psi.	

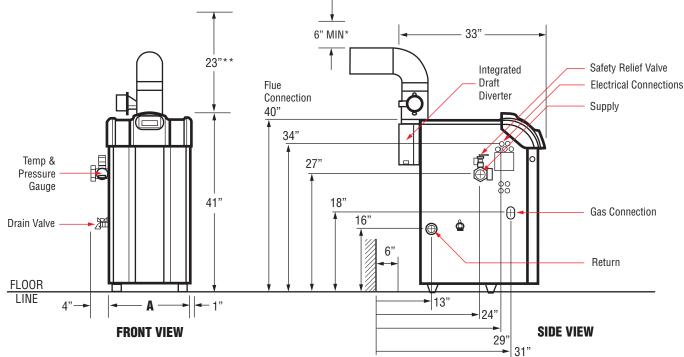
ES2 Dimensions & Connections									
	Dimer	isions (ind	hes)	C	Water				
Model	"A"	Height	Depth	Supply	Return	Gas Valve	Relief Valve	Content (gal.)	
ES23	12-3/4	41	33	1-1/4	1-1/4	1/2	3/4	2	
ES24	15-1/2	41	33	1-1/4	1-1/4	1/2	3/4	3	
ES25	18-1/2	41	33	1-1/4	1-1/4	1/2	3/4	4	
ES26	21-1/2	41	33	1-1/4	1-1/4	1/2	3/4	5	
ES27	24-3/4	41	33	1-1/4	1-1/4	3/4	3/4	6	
ES28	27-3/4	41	33	1-1/4	1-1/4	3/4	3/4	7	
ES29	30-3/4	41	33	1-1/4	1-1/4	3/4	3/4	8	

#### **Accessories**

- Altitude conversion kit natural gas (P/N: 112461-01)
- Altitude conversion kit LP gas-converted (P/N: 112464-01)

NOTES:

Required above 5,400 ft., kits do not convert gas type



NOTES

Caution: chimney, liner, and vent connector must meet requirements specified by manufacturer's installation instructions

- \* Minimal radial distance around vent pipe and breeching
- \*\* Add height required to maintain 6" clearance from all breeching components



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