# SERIES



# U.S. Boiler Company

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

- 84% AFUE
- 38 280 MBH (8 sizes)
- Advanced controls, accessible inside boiler jacket
  - Integrated boiler control with diagnosites
  - FREE additional pump relay
  - Integral LWCO option requires no piping! (IDL-1200)
- Industry standard tapping locations allow easy, direct replacement for thousands of existing boiler installations
- American-made cast iron heat exchanger
  - Designed to promote turbulent water flow within the section for efficient heat transfer
- A solid, reliable, full-featured boiler at a value price!
- Lifetime limited warranty
- Made in Lancaster, PA, USA

### X-2: Technical Information



**AFUE%** 

84.0

84.0

84.0

84.0

84.0

84.0

84.0

84.0

X-2 Ratings & Specifications

**Net AHRI** 

Rating,

Water

(MBH)

28

51

77

102

127

153

178

203



**Vent Size** 

(Inches)

4

4

5

6

6

7

7

8



Approx.

Shipping

Weight.

(lbs.)

202

254

304

357

405

462

518

564

#### **Standard Equipment**

- Intelligent Hydronic Control; simple self-diagnostic control system with 3-digit readout for status settings and errors
- Pre-installed IDL-1200 integral LWCO with auto reset (H-model suffix)
- · Insulated steel jacket
- · Integrated draft diverter, damper and connector included
- · Heavy gauge 1" base insulation
- · Step-opening redundant gas valve
- · Spark ignition with continuous retry
- · User-friendly wiring with 120V J-box
- Circulator choice of Taco or Grundfos
- · Cast iron section assembly
- · Resettable blocked vent switch
- · Boiler drain valve
- · Cast iron supply manifold with safety relief valve tapping

* 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 4% per 1,000	) feet
above sea level for elevations above 2,000 ft.	
All X-2 boilers are shipped with 30 psi relief valves, MAWP is 50 psi.	

DOE

Heating

Capacity

(MBH)

32

59

88

117

146

176

205

234

Input

(MBH)

38

70

105

140

175

210

245

280

Model

X-202

X-203

X-204

X-205

X-206

X-207

X-208

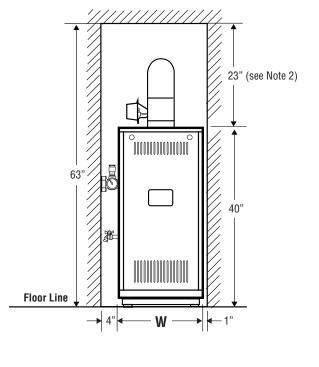
X-209

X-2 Dimensions & Connections							
	Width	Connections (inches)				Water	
Model	"W" (inches)	Supply	Return	Gas Valve	Relief Valve	Content (gal.)	
X-202	14	1-1/4	1-1/4	1/2	3/4	1	
X-203	14	1-1/4	1-1/4	1/2	3/4	2	
X-204	16	1-1/4	1-1/4	1/2	3/4	3	
X-205	19	1-1/4	1-1/4	1/2	3/4	4	
X-206	22	1-1/4	1-1/4	1/2	3/4	5	
X-207	25	1-1/4	1-1/4	3/4	3/4	6	
X-208	28	1-1/4	1-1/4	3/4	3/4	7	
X-209	31	1-1/4	1-1/4	3/4	3/4	8	

#### NOTES:

- Minimal radial distance around vent pipe and breeching for single-wall metal pipe vent connector, otherwise follow vent connector manufacturer's recommended clearances.
- Add height required to maintain 6" clearance from all breeching components.

6" Min (see Note 1)
33-1/4"
40" 26-3/4" —
Return Supply
Supply
24" Electrical
18" Gas
↑ ↑ 16" ♠
Floating 0" N10"
Floor Line 0" → 13" 25"
<b>→</b>  31"
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