

SERIES

X2



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 diagnostics
 - FREE additional pump relay
 - Pre-installed low water cut off included, requires no piping
- 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

U.S. Boiler Company

X-2: Technical Information



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

X-2 Ratings & Specifications

Model*	Input ¹ (MBH)	DOE Heating Capacity ¹ (MBH)	Net AHRI Rating, Water ^{1,2} (MBH)	AFUE%	Vent Size (Inches)	Approx. Shipping Weight. (lbs.)
X-202	38	32	28	84.0	4	202
X-203	70	59	51	84.0	4	254
X-204	105	88	77	84.0	5	304
X-205	140	117	102	84.0	6	357
X-206	175	146	127	84.0	6	405
X-207	210	176	153	84.0	7	462
X-208	245	205	178	84.0	7	518
X-209	280	234	203	84.0	8	564

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

1. Ratings shown are based on certification up to 2,000 ft. (X-202 not for use above 2,000 ft.). For installations above 2,000 ft., ratings decrease by 2.5% per 1,000 ft. above sea level. Altitude kits required above 5,400 ft. See altitude conversion kits below.
2. 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 X-2 boilers shipped with 30 psi relief valve. MAWP is 50 psi.

X-2 Dimensions & Connections

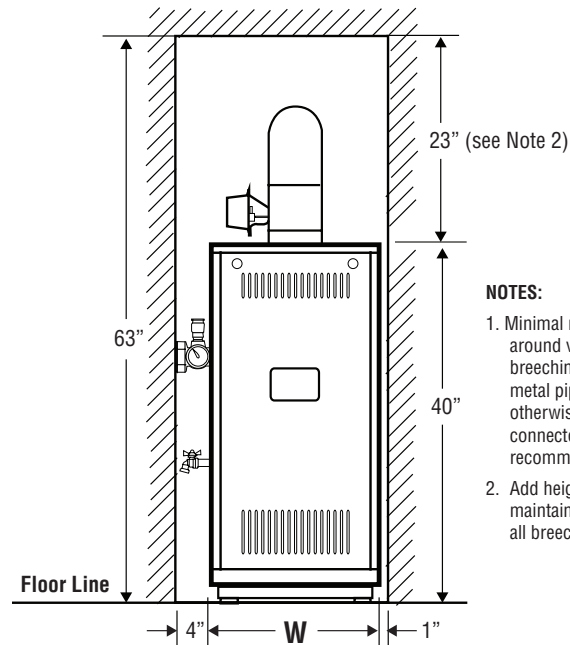
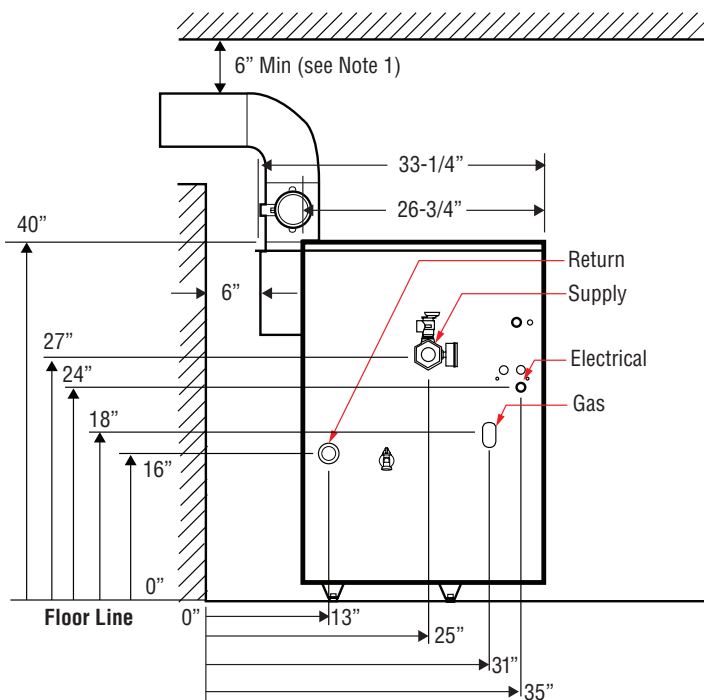
Model	Width "W" (inches)	Connections (inches)				Water Content (gal.)
		Supply	Return	Gas Valve	Relief Valve	
X-202	14	1-1/4	1-1/4	1/2	3/4	1
X-203	14	1-1/4	1-1/4	1/2	3/4	2
X-204	16	1-1/4	1-1/4	1/2	3/4	3
X-205	19	1-1/4	1-1/4	1/2	3/4	4
X-206	22	1-1/4	1-1/4	1/2	3/4	5
X-207	25	1-1/4	1-1/4	3/4	3/4	6
X-208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

Accessories

- Altitude conversion kit - natural gas (P/N: 112461-01)
- Altitude conversion kit - LP gas-converted (P/N: 112462-01)

NOTES:

Required above 5,400 ft., kits do not convert gas type. X-202 not for use above 2,000 ft. Special altitude boilers may already include natural gas altitude conversion kit.



NOTES:

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