

SERIES

X2



Gas Fired, Chimney Vented, Cast Iron Water Boiler

- 84% AFUE
- 70 – 280 MBH (7 sizes)
- All controls concealed inside boiler jacket
 - Integrated boiler control with diagnostics
 - FREE additional pump relay
 - Integral LWCO option requires no piping! (IDL-1200)
- Industry standard tapping locations, allows easy, direct replacement for thousands of existing boiler installations
- American-made cast iron heat exchanger
 - Accepts return water temps as low as 110°F
 - 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

- Insulated steel jacket
- Integrated draft diverter, damper and connector included
- Heavy gauge 1" base insulation
- Intelligent Hydronic Control – Simple self-diagnostic control system with 3-digit readout for status settings and errors
- Step-opening redundant gas valve
- 110°F minimum return temperature rating
- 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

LWCO Options

- "H" suffix models "Have" a pre-installed IDL-1200 integral LWCO (auto reset)
- "R" suffix models are "Ready" for easy upgrade with IDL-1200 kit (P/N 106495-02)
- Other X-2 models can use original LWCO 1100 kit (P/N 104083-01)

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.

X-2 Ratings & Specifications

Model	Input (MBH)	DOE Heating Capacity (MBH)	Net AHRI Rating, Water (MBH)	AFUE%	Vent Size (Inches)	Approx. Shipping Weight. (lbs.)
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

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.

X-2 Dimensions & Connections

Model	Dimensions (inches)			Connections (inches)				Water Content (gal.)
	Width "W"	Height	Depth (total)	Supply	Return	Gas Valve	Relief Valve	
X-203	14	40	33-1/4"	1-1/4"	1-1/4"	1/2"	3/4"	2
X-204	16	40	33-1/4"	1-1/4"	1-1/4"	1/2"	3/4"	3
X-205	19	40	33-1/4"	1-1/4"	1-1/4"	1/2"	3/4"	4
X-206	22	40	33-1/4"	1-1/4"	1-1/4"	1/2"	3/4"	5
X-207	25	40	33-1/4"	1-1/4"	1-1/4"	3/4"	3/4"	6
X-208	28	40	33-1/4"	1-1/4"	1-1/4"	3/4"	3/4"	7
X-209	31	40	33-1/4"	1-1/4"	1-1/4"	3/4"	3/4"	8

