

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
 - 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

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 (MBH) | DOE Heating Capacity (MBH) | Net AHRI Rating, Water (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

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 | 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 |

NOTES:

1. Minimal radial distance around vent pipe and breaching 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 breaching components.

