

SUBMITTAL DATA SHEET: Series 2 Boiler



Series 2™

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

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Wholesaler: _____

Contractor: _____

Submitted to: _____

Model Designation: _____

Fuel: _____



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U.S. Boiler Company, Inc. - Lancaster, PA
Phone: 1-888-432-8887

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TECHNICAL INFORMATION



Series 2 Ratings				
Model	Input ¹ (MBH)	DOE Heating Capacity (MBH)	AHRI Net Rating ² (MBH)	AFUE (%)
202E	38	32	28	84.0
203E	69	58	50	84.0
204E	103	87	76	84.0
205E	138	116	101	84.0
206E	172	145	126	84.0
207E	207	174	151	84.0
208E	241	202	176	84.0
209E	276	232	202	84.0

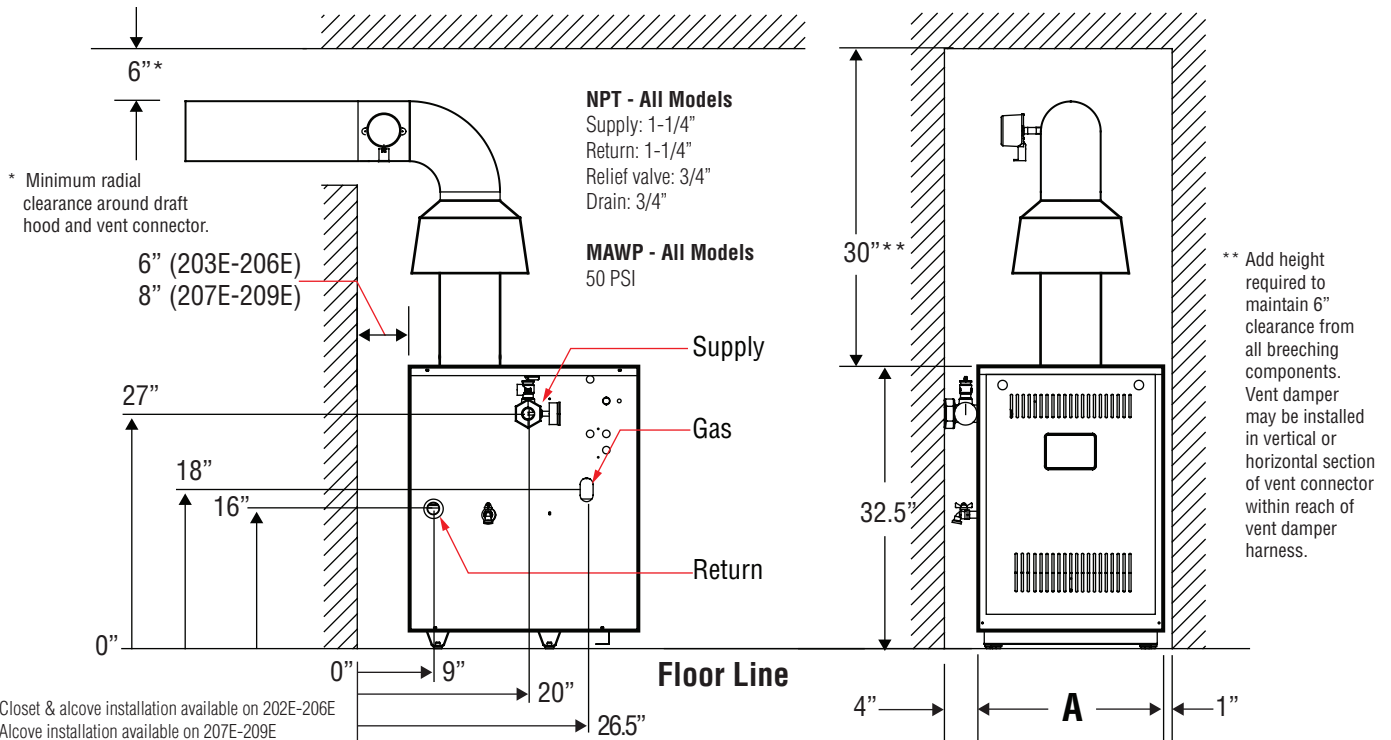
Conversion Kits			
Fuel	0-2000 ft.	2,001-5,400 ft.	5,401-10,000 ft.
Nat. Gas	Factory Standard	109697-01	109698-01
LP Gas	109729-01 (2 sections)	N/A	N/A
	109706-01 (3-6 sections)	109699-01 (3-6 sections)	109700-01 (3-6 sections)
	109706-02 (7-9 sections)	109699-02 (7-9 sections)	109700-02 (7-9 sections)

NOTE: Boilers are shipped for natural gas combustion only for elevations from sea level to 2000 feet. Conversion kits are required for LP combustion and higher elevations (see chart).

- Input ratings can be used for elevations up to 2,000 feet. Refer to IO&S manual appendix "High Altitude Installations" for installations above 2,000 feet.
- The net AHRI water ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.

Series 2 Dimensions (inches)					
Model	Sections	Depth	A	Vent	Gas NPT
202E	2	27	14	3	1/2
203E	3	27	14	4	1/2
204E	4	27	16	5	1/2
205E	5	27	19	6	1/2
206E	6	27	22	6	1/2
207E	7	27	25	7	3/4
208E	8	27	28	7	3/4
209E	9	27	31	8	3/4

Series 2 Weights (lbs.) & Volume (gal.)			
Model	Ship Wt.	Empty Wt.	Water Content
202E	202	143	1
203E	241	182	2
204E	292	230	3
205E	341	279	4
206E	390	328	5
207E	449	378	6
208E	502	431	7
209E	548	476	8



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STANDARD EQUIPMENT

- Insulated powder coated steel jacket
- Draft hood, damper and harness
- Heavy gauge 1" base insulation
- Intelligent Hydronic Control – Simple self-diagnostic control system with 3-digit readout
- Step-opening redundant gas valve
- Spark ignition with continuous retry
- Stainless steel precision burners
- User-friendly wiring with 120V J-box
- LWCO (IDL-1200) pre-installed with high limit sensor in dual-purpose well
- ECM 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

OPTIONAL EQUIPMENT

Options & Accessories

Part Number	Description
_____ 103696-01	Auxiliary High Limit Kit
_____ 105917-01	Portable Diagnostic Display Kit

Conversion Kits

Part Number	Description
_____ 109697-01	Nat. Gas Conversion Kit 2,001 - 5,400 ft.
_____ 109698-01	Nat. Gas Conversion Kit 5,401 - 10,000 ft.
_____ 109729-01	LP Gas Conversion Kit 0 - 2,000 ft. (2 Sections)
_____ 109706-01	LP Gas Conversion Kit 0 - 2,000 ft. (3-6 Sections)
_____ 109699-01	LP Gas Conversion Kit 2,001 - 5,400 ft. (3-6 Sections)
_____ 109700-01	LP Gas Conversion Kit 5,401 - 10,000 ft. (3-6 Sections)
_____ 109706-02	LP Gas Conversion Kit 0 - 2,000 ft. (7-9 Sections)
_____ 109699-02	LP Gas Conversion Kit 2,001 - 5,400 ft. (7-9 Sections)
_____ 109700-02	LP Gas Conversion Kit 5,401 - 10,000 ft. (7-9 Sections)

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ADDITIONAL NOTES