



PHANTOM[®] COMBI II

**Gas Fired, Stainless
Steel, Combi Boiler**

With Adaptive Combustion Technology Featuring

- Field Convertible to LP
- Simple start up
- Rate based temperature reset – no outdoor sensor required

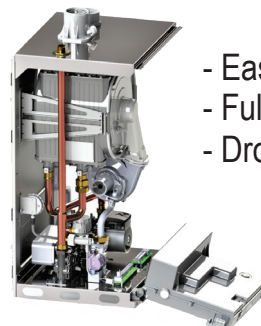
Compatible with

BOILER  **Connect**

Requires app and optional
bluetooth adapter

STANDARD FEATURES INCLUDE

- **95% AFUE with 10:1 Turndown**
- **Two Sizes Available**
- **Domestic Hot Water**
 - Up to 5.2 GPM @ 70 degree rise
 - Selectable economy or comfort – recirculation mode
- **Low Loss Header Included**
- **2" venting standard**
- **5-year parts warranty**
- **Serviceability**



- Easy access to key components
- Fully removable front & side panels
- Drop down control center

**Quality
Value &
Service**

VelocityBoilerWorks.com | Philadelphia, PA

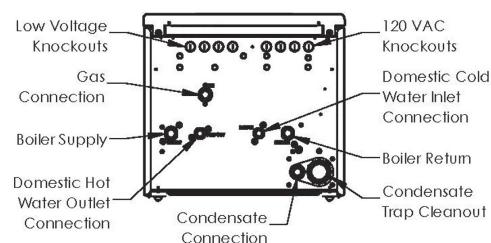
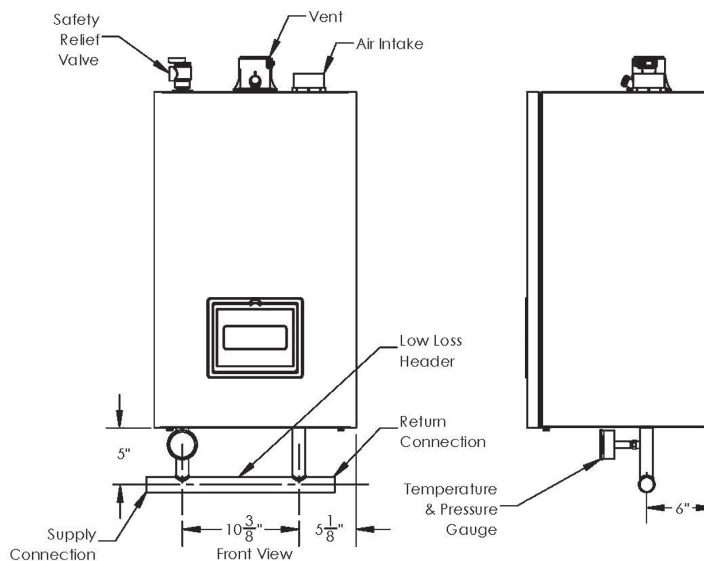
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TECHNICAL SPECIFICATIONS

Connection Sizes (in)	
Supply/Return	1-1/4 Sweat
DHW	3/4 Sweat
Gas	1/2 NPT
Vent	2" STD (3" w/increaser)

STANDARD EQUIPMENT

- Stainless steel heat exchanger
- Adaptive Combustion System
 - Burner-Blower-Gas Valve & Venturi assembly
 - Large key control pad with local user display
 - Built-in self-diagnostics
 - Rate based outdoor reset (no sensor required)
- DHW Combi Block with
 - Plate heat exchanger
 - Boiler circulator
 - DHW flow and boiler return temperature sensors
 - 3-way valve
 - Automatic air vent
- Approved for installation 0-10.100 ft., natural or LP gas



OPTIONAL EQUIPMENT

- CPVC/PVC vent kit
 - 2" Vent Kit (P/N 107039-01)
 - 3" Vent Kit (P/N 107039-02)
 - Floor Stand Kit (P/N 111576-01)
- LP Electrode Kit (P/N 111745-01)
Required for installation above 2,001', Model PHTM2200C

Ratings

Space Heating Ratings						Dimensions			Domestic Hot Water (DHW) Ratings ¹						Shipping Weight (lbs)
Model	Input ² (MBH)		DOE Heating Capacity (MBH)	AHRI Net Rating ³ (MBH)	 AFUE %	Depth (in)	Width (in)	Height (in)	Input ² (MBH)		Hot Water Draw Limits GPM				
	Min	Max							Min	Max	Max			Min ⁴	
											70°F Rise	77°F Rise	90°F Rise		
PHTM2136C	13.6	120	112	97	95.0	16.3	17.8	29.8	13.6	136	3.7	3.4	2.9	0.5	112
PHTM2200C	20	150	141	123	95.0	20.4	17.8	29.8	20	200	5.2	4.7	4.0	0.5	135

¹ DHW ratings are not AHRI certified.

² Input and DHW draw limits for elevations up to 2,000 ft. with min vent length. See Table 3-3 in installation manual for derate at max vent length.

³ 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.

⁴ Min DHW flow rate required through boiler to initiate DHW demand. Higher flow rate through fixture may be required due to mixing at tempering valve and/or fixture itself.



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