



Phantom 135CB, 150CB, 180CB

Residential High Efficiency  
Gas Boilers

PHNTM Combi Submittal Sheet

**PHNTM Wall Mount and Floor Standing Heating Boilers**

Wholesaler \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Mechanical Contractor \_\_\_\_\_  
 Model Number \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Gas Type \_\_\_\_\_  
 BTU/hr INPUT \_\_\_\_\_  
 BTU/hr OUTPUT \_\_\_\_\_  
 Venting Application \_\_\_\_\_  
 \_\_\_\_\_

**Standard Features**

- ASME Constructed Stainless Steel Water Tube Heat Exchanger
- 30 psi Relief Valve
- 180F Maximum Operating Supply Temperature
- Energy Star Qualified
- 95.0% AFUE
- Fully Modulating Burner System with 10:1 Turndown Ratio
- Vent Adapter Allows For 3" CPVC/PVC or Single Wall Polypropylene Venting with Optional Concentric Vent Terminals  
 Note: See Installation Manual for a List of Approved Vent Systems, Vent Length Limitations, and Other Installation Requirements
- Built-In Boiler Loop Circulator and DHW 3-Way Valve
- Compact Wall Mount Installation with Included Bracket
- Pre-Installed UL 353 Listed Boiler Flow Switch
- Pre-Installed DHW Flow Switch and Temperature Sensor
- Field Convertible to LP Gas with Optional Kit
- Microprocessor Based Honeywell Sola Control System with Touch Screen User Interface Consisting of:
  - o Self-guided Control Menus
  - o Built-in Self Diagnostics
  - o Supply & Return Water Sensors with Integral High Limit Function
  - o Outdoor Sensor with Outdoor Reset
  - o DHW Priority
  - o Additional Circulator Output
  - o External Limit Terminal Contacts
  - o Direct Spark Ignition System
  - o Warm Weather Shutdown
- 12 Year Limited Heat Exchanger Warranty, 5 Year Warranty On Parts

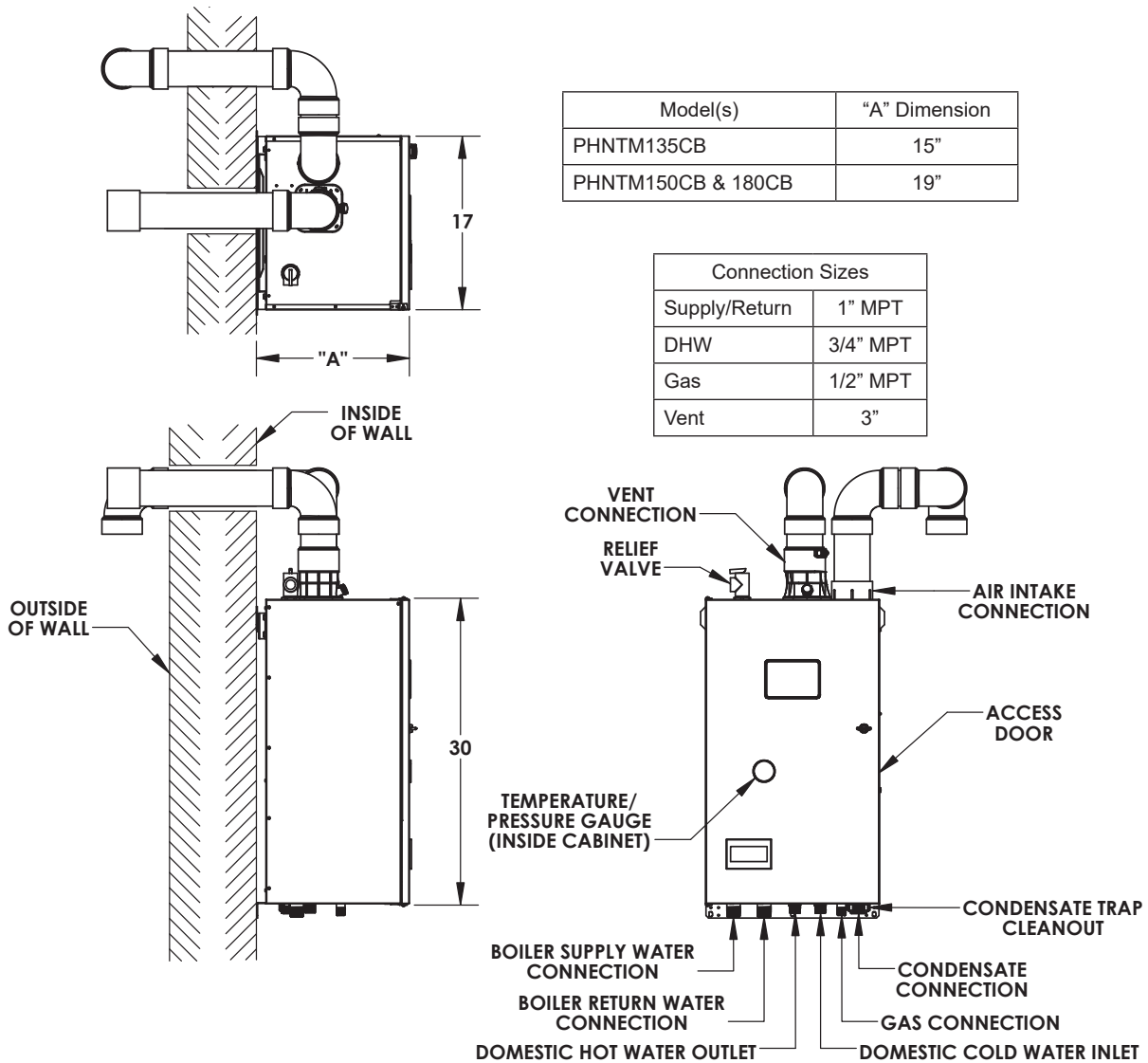
**Optional Equipment**

- CPVC/PVC Vent Kit
- LP Conversion Kits
- Sage Zone Panel
- Manual Reset High Limit
- Service Parts Kit

**Special Job Notes:**


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PHNTM135CB, 150CB, 180CB



Model(s)	"A" Dimension
PHNTM135CB	15"
PHNTM150CB & 180CB	19"

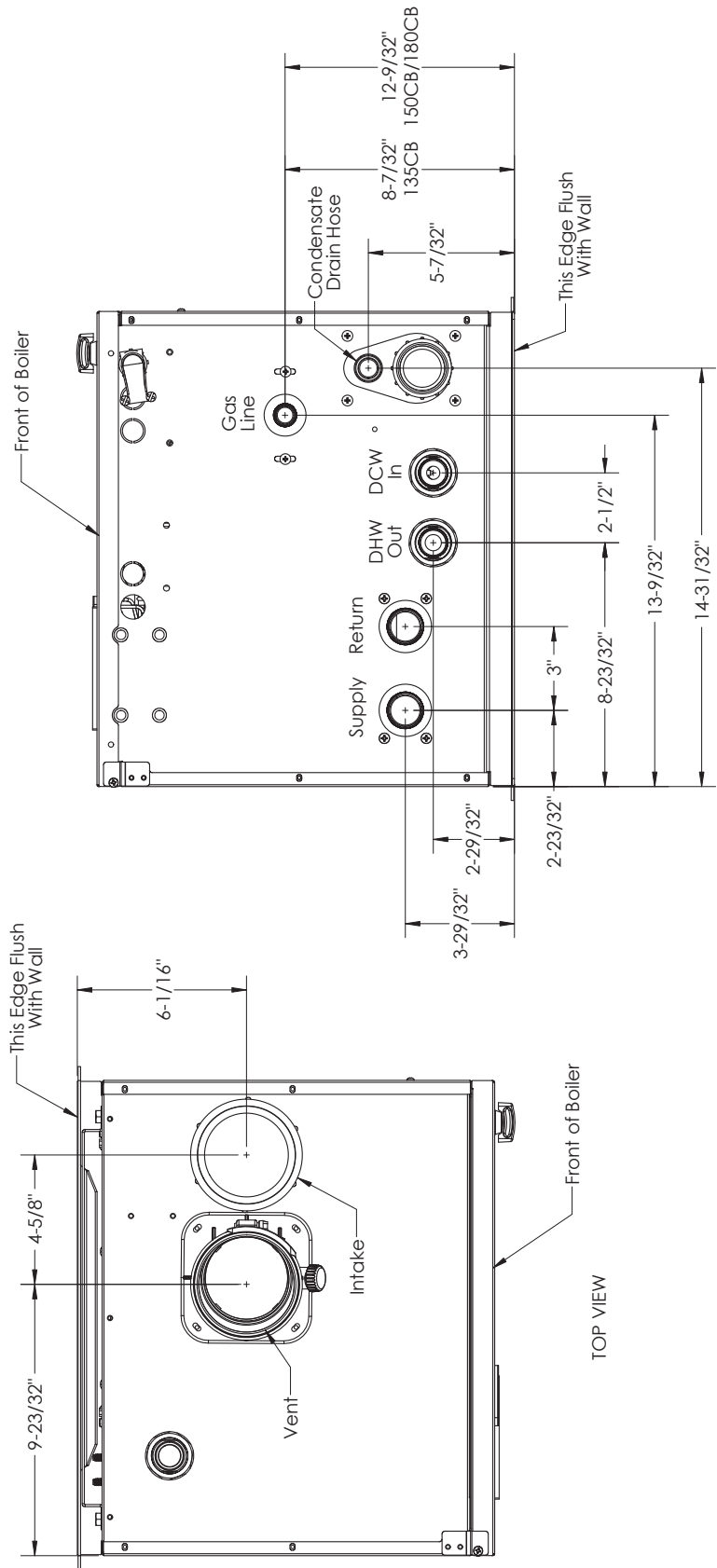
Connection Sizes	
Supply/Return	1" MPT
DHW	3/4" MPT
Gas	1/2" MPT
Vent	3"

Space Heating Ratings					Domestic Hot Water (DHW) Ratings <sup>1</sup>				
Model Number	Input (MBH) Min-Max	Heating Capacity, MBH	Net AHRI Water, MBH <sup>2</sup>	 AFUE, %	Input (MBH) Min-Max	Max Draw GPM <sup>3,4</sup>			Approx. Shipping Weight (lbs)
						70°F Rise	77°F Rise	90°F Rise	
PHNTM135CB	12-120	112	97	95.0	12-135	3.3	3.0	2.6	152
PHNTM150CB	15-150	142	123	95.0	15-150	3.9	3.7	3.1	169
PHNTM180CB <sup>5</sup>	18-180	169	147	95.0	18-180	4.5	4.1	3.5	169

Notes:

- DHW ratings are not AHRI certified.
- 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 system operation, extensive piping systems, etc.
- Maximum draw rates shown are at sea level and minimum vent length. Under other conditions draw rates will be reduced proportionally to the reduction in input. See manual for input de-rate information.
- Minimum flow rate of 0.56GPM required through the boiler to initiate a call for DHW. A higher flow rate may be required through the fixture due to mixing at the tempering valve and fixture itself.
- PHNTM180CB not for installation at altitudes above 2000ft. Consult installation manual for limitations on 135CB and 150CB installations above 2000ft.

Venting Note: Size noted is for two pipe CPVC/PVC & certain specified two pipe polypropylene and certain specified stainless steel vent systems. Concentric vent terminals permitted in most installations. See installation manual for venting option details.



**NOMINAL DIMENSIONS TO CONNECTIONS**