

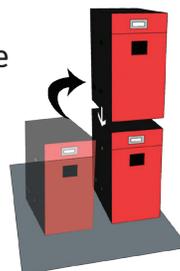


STAINLESS STEEL, CONDENSING, GAS-FIRED
HOT WATER BOILER

SMART BOILER FEATURES

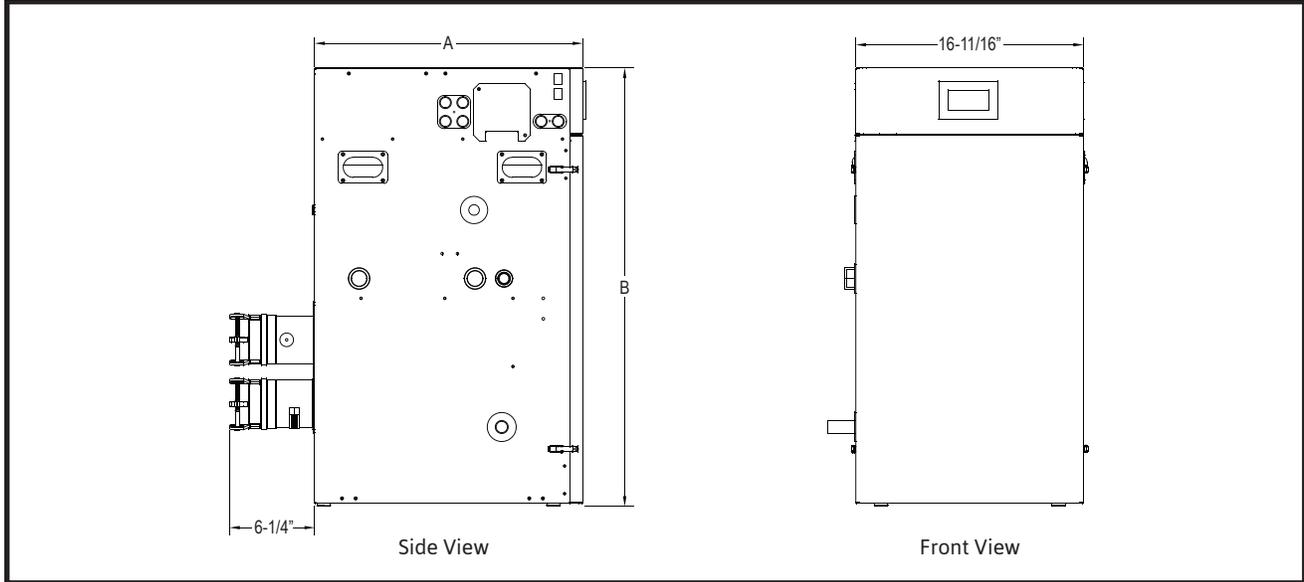
- **Domestic Priority with Priority Protection**
Allows the boiler to keep producing hot water in the event of excessive domestic hot water demand.
- **Warm Weather Shutdown**
Fully adjustable, ideal for commercial sites that maintain heating loop temperatures year round.
- **Freeze Protection**
If water temperatures drop, the boiler will fire and warm the system to prevent freezing and damage to the system.
- **Pump Exercise**
To reduce the possibility for pumps to seize and fail, circulators that don't operate for seven days are activated to run for ten seconds.

- ♦ Stainless steel water tube heat exchanger
- ♦ Four sizes - 210, 285, 399, and 500 MBH input
- ♦ 95% AFUE for residential models
- ♦ Outdoor reset with included sensor
- ♦ Modulating burner with 5:1 turndown ratio
- ♦ Multiple boiler lead/lag - Up to 8 boilers
- ♦ Intuitive, text based menus
- ♦ Honeywell control with LCD touch screen user interface
- ♦ Vent options allow for CPVC/PVC, single wall polypropylene, or stainless steel venting
- ♦ Stackable for floor space savings



PHANTOM-X™

TECHNICAL SPECIFICATIONS



MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	AFUE (%)	WATER VOL. (GAL.)	DIMENSIONS		SUPPLY & RETURN CONN. SIZE (NPT)	GAS CONN. SIZE (NPT)	APPROX. NET WEIGHT (LBS)
							"A"	"B"			
PHNTM210	210	42	194	169	95.0	1.7	23-15/16"	32-3/16"	1"	1/2"	206
PHNTM285	285	57	262	228	95.0	2.4	21-13/16"	43-7/16"	1-1/4"	3/4"	256
PHNTM399	399	80	375*	326	94.1†	3.4	28-7/8"	43-7/16"	1-1/2"	3/4"	304
PHNTM500	500	100	475*	413	95.0†	4.2	44-7/8"	35"	1-1/2"	3/4"	375

ENERGY STAR

*Gross output

†Thermal efficiency

NOTES:

1. For elevations above 2,000 ft., reduce ratings 4% per 1,000 ft. above sea level. PHNTM210 and PHNTM285 may not be installed using LP gas above 7,000 ft. PHNTM 399 and PHNTM500 may not be installed above 7,000 ft. For Canadian installations over 4,500ft., consult authority having jurisdiction for guidance.
2. The Net Water Ratings are based on a piping and pickup allowance of 1.15.
3. 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.
4. Refer to manual for system vent length derates.

All residential Phantom boiler models include a full two-year parts warranty. A 12-year limited warranty is provided for the heat exchanger. All commercial Phantom boiler models include a full one-year parts warranty. A nine-year limited warranty is provided for the heat exchanger. Visit CrownBoiler.com or see your warranty for complete details.

ADDITIONAL FEATURES/BENEFITS

- Boiler, system, and domestic hot water pump outputs
- Slide out control panel drawer
- Field convertible to LP gas
- Polypropylene condensate trap



The Mega-Stor® indirect water heater utilizes the energy created by your boiler to produce abundant hot water for your home. Mega-Stor water heaters come in a variety of sizes from 26 to 119 gallons to meet a multitude of residential and commercial needs.

Specifications are subject to change without notice.

