

# PHOENIX/PHOENIX MULTI-FIT

## Commercial Gas Water Heaters



### Features

- **MODULATING BURNER** – Allows 5:1 turndown ratio to provide the correct amount of power when needed.
- **HIGH EFFICIENCY** – Up to 96% thanks to the modulating-condensing combustion.
- **VARIETY OF POWER INPUTS** – Ranging from 100K to 199K BTU.
- **MAXIMUM DURABILITY** – Tank constructed of high-quality stainless steel with a cupronickel heat exchanger – combined with an anode rod – ensures years of maintenance-free operation.
- **LIGHTWEIGHT** – Stainless-steel tank for easier transportation and installation compared to traditional glass-lined water heaters.
- **MULTI-PORT CONFIGURATION** – Multi-fit models have top and side DHW connections to ensure installations – both new and retrofit – are easy.
- **FRONT COMBUSTION CHAMBER** – Allows for ease of access and servicing of the combustion assembly.
- **INTELLIGENT CONTROLS** – Monitor inlet and outlet water temperatures to automatically adjust modulation and ensure consistent performance.
- **VERSATILE VENTING** – Vents in PVC, CPVC, Stainless Steel, and ULC S636 up to 200ft combined intake & exhaust with 3".
- **NATURAL GAS MODELS WITH LP CONVERSION KITS** – Allow for fast conversions and reduced inventory requirements.
- **FULLY AUTOMATIC TEMPERATURE CONTROLS** up to 160° F.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** – Factory installed.
- **FULL PORT BRASS DRAIN VALVE** – Factory installed for fast and easy draining.
- **GAS CONNECTION** – 3/4" female gas connection on all models.
- **ADDED PROTECTION** – High quality aluminum anode rod to extend tank life.
- **RESIDENTIAL WARRANTY** – 7-year Limited tank warranty and 1 year parts.
- **COMMERCIAL WARRANTY** – 3-year Limited tank warranty (upgradeable to 5-year Limited warranty) and 1-year warranty on parts.

### Plus

- **MEETS ALL EFFICIENCY REQUIREMENTS OF THE DOE**
- **EXCEEDS ASHRAE 90.1B-1992 EFFICIENCY REQUIREMENTS**
- **ENERGY STAR RATED**
- **NSF 5 CERTIFIED**
- **ULTRA-LOW NOx RATED** – per SCAQMD Rule 1146.2
- **ANSI Z21.10.3 CERTIFIED FOR SAFETY**
- **MEETS ALL REQUIREMENTS OF MASSACHUSETTS PLUMBING BOARD**
- **LEAD FREE** – Per Safe Water Drinking Act SDWA section 1417



Globally Recognized. Industry Respected.



# SPECIFICATIONS AND APPLICATION DATA

## PERFORMANCE

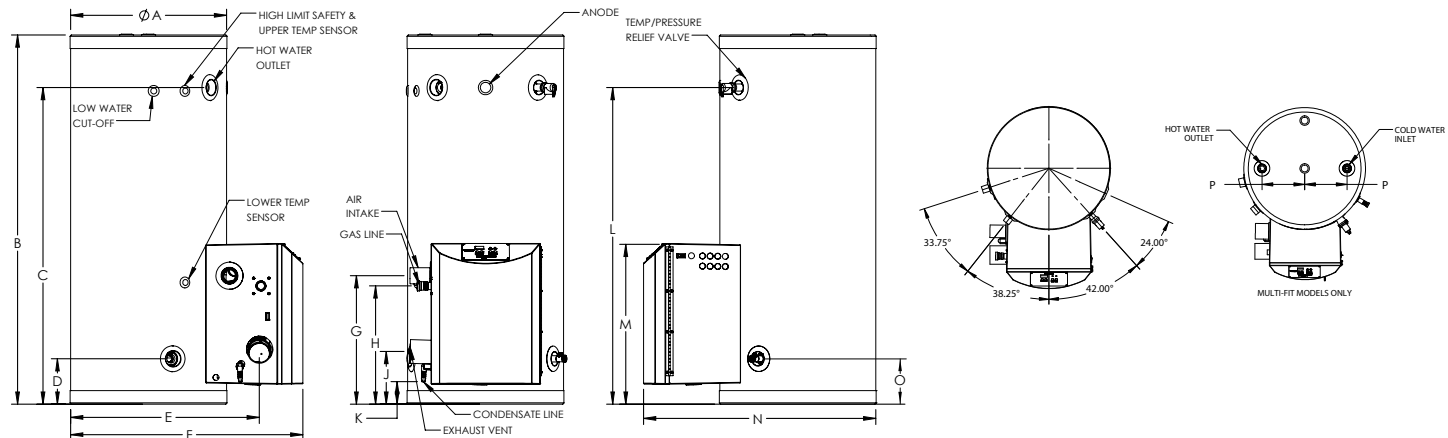
MODELS	NOMINAL CAPACITY (GAL.)	BTU INPUT NAT & LP GAS	THERMAL EFFICIENCY %	GPH RECOVERY @ 100° RISE	AIR INTAKE/ EXHAUST VENT SIZE	COMBINED INTAKE/EXHAUST VENT LENGTHS	INLET/ OUTLET SIZE	SHIPPING WEIGHT
PH100-55	55	35,000 - 100,000	*0.89	115	2"	85'	1" NPT	175
PH130-55	55	35,000 - 130,000	94	146	2"	85'	1" NPT	175
PH160-55	55	40,000 - 160,000	95	184	3"	200'	1" NPT	175
PH199-55	55	40,000 - 199,000	95	229	3"	200'	1" NPT	175
PH100-80	80	35,000 - 100,000	*0.93	116	2"	85'	1½" NPT	235
PH130-80	80	35,000 - 130,000	95	150	2"	85'	1½" NPT	235
PH160-80	80	40,000 - 160,000	96	184	3"	200'	1½" NPT	235
PH199-80	80	40,000 - 199,000	95	229	3"	200'	1½" NPT	235
PH100-119	119	35,000 - 100,000	*0.9	117	2"	85'	1½" NPT	405
PH130-119	119	35,000 - 130,000	96	152	2"	85'	1½" NPT	405
PH160-119	119	40,000 - 160,000	96	184	3"	200'	1½" NPT	405
PH199-119	119	40,000 - 199,000	96	230	3"	200'	1½" NPT	405
PHM130-80	80	35,000 - 130,000	96	150	2"	85'	1½" NPT	285
PHM199-80	80	40,000 - 199,000	96	229	3"	200'	1½" NPT	285
PHM130-100	100	35,000 - 130,000	96	150	2"	85'	1½" NPT	315
PHM199-100	100	40,000 - 199,000	95	229	3"	200'	1½" NPT	315

\* Indicates UEF instead of Thermal Efficiency

## DIMENSIONS IN INCHES

MODELS	GALLONS	JACKET DIAMETER A	TOTAL HEIGHT B	OUTLET HEIGHT C	DRAIN HEIGHT D	AIR INTAKE CENTERLINE (FROM REAR) E	EXHAUST VENT CENTERLINE (FROM REAR) F	AIR INTAKE HEIGHT G	GAS CONNECTION HEIGHT H	EXHAUST VENT HEIGHT J	CONDENSATE CONNECTION HEIGHT K	T&P HEIGHT L	FRONT CABINET HEIGHT M	DEPTH N	DRAIN VALVE HEIGHT O	WATER CONNECTIONS DISTANCE P*
PHXXX-55	55	23	54 ¾	46 ½	6 ½	23 ¾	27 ¾	18 ½	17	7 ½	3	46 ½	23 ¾	34 ¾	7 ¾	n/a
PHXXX-80	80	23	74 ¾	67 ¾	7 ¾	27 ½	32	20 ¾	19 ¾	10	3	67 ¾	27"	34 ¾	7 ¾	n/a
PHXXX-119	119	27	74	66 ¾	7 ½	27 ½	32	21 ½	18 ¾	10 ½	3	66 ½	24 ¾	38 ½	7 ¾	n/a
PHMXXX-80	80	27 ½	55	45 ¾	7 ¾	27 ½	32	18 ¾	17	8	3	45 ¾	24 ¾	38 ¾	7 ¾	9 ½
PHMXXX-100	100	27 ½	63	54	7 ¾	27 ½	32	18 ¾	17	8	3	54	24 ¾	38 ¾	7 ¾	9 ½

\*Multi-Fit only



## SAMPLE SPECIFICATION

Commercial Gas Water Heaters shall be HTP model \_\_\_\_\_ having a storage capacity of \_\_\_\_\_ gallons, operate on \_\_\_\_\_ gas, with a BTU input of \_\_\_\_\_ and a recovery rate of \_\_\_\_\_ gallons per hour at 100°F temperature rise. Water heater shall have up to a 5:1 turndown ratio, a minimum thermal efficiency of 94%, and be SQAMD Ultra Low NOx certified. Water heater tank shall be constructed of stainless steel, with a cupronickel heat exchanger, and aluminum anode rod. The insulation shall be non-CFC foam, and the product shall be ETL listed. Water heater shall come with a 7-year residential or 3-year commercial warranty on the tank and 1-year on parts.