

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 NO_x 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

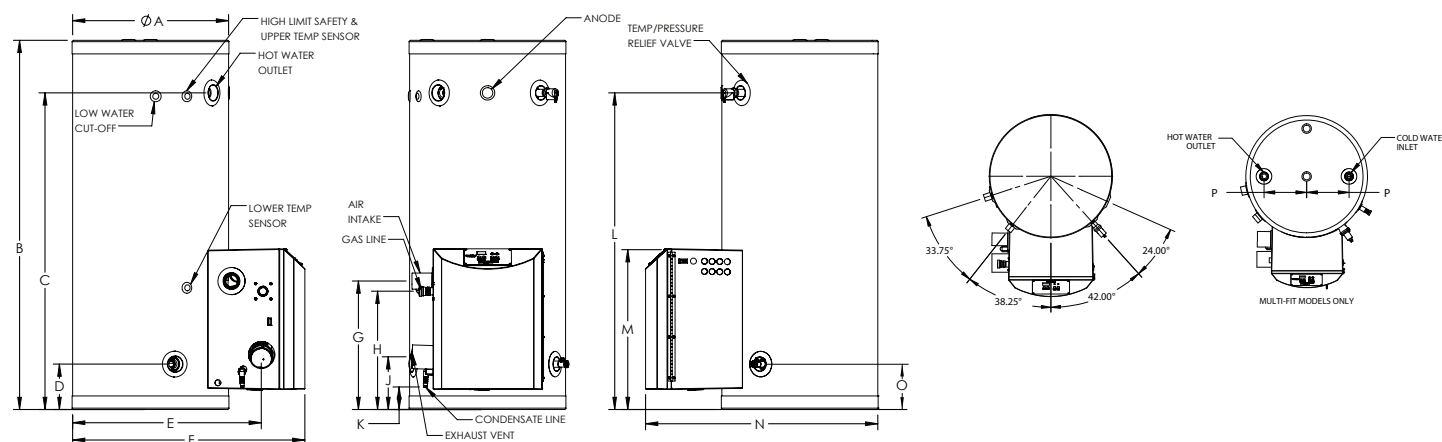
MODELS	NOMINAL CAPACITY (GAL.)	BTU INPUT NAT & LP GAS	THERMAL EFFICIENCY %	GPH RECOVERY @ 100° RISE	AIR INTAKE/ EXHAUST VENT SIZE	COMBINED INTAKE/EXHAUST VENT LENGTHS	INLET/ OUTLET SIZE	SHIPPING WEIGHT
PH100-55	55	35,000 - 100,000	*0.89	115	2"	85'	1" NPT	175
PH130-55	55	35,000 - 130,000	94	146	2"	85'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

*Indicates UEF instead of Thermal Efficiency

DIMENSIONS IN INCHES

MODELS	GALLONS	JACKET DIAMETER	TOTAL HEIGHT	OUTLET HEIGHT	DRAIN HEIGHT	AIR INTAKE CENTERLINE (FROM REAR)	EXHAUST VENT CENTERLINE (FROM REAR)	AIR INTAKE HEIGHT	GAS CONNECTION HEIGHT	EXHAUST VENT HEIGHT	CONDENSATE CONNECTION HEIGHT	T&P HEIGHT	FRONT CABINET HEIGHT	DEPTH	DRAIN VALVE HEIGHT	WATER CONNECTIONS DISTANCE
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P*
PH00X-55	55	23	54 3/4	46 1/2	6 1/2	23 1/4	27 3/4	18 1/2	17	7 1/2	3	46 1/2	23 1/4	34 1/4	7 1/4	n/a
PH00X-80	80	23	74 1/4	67 3/4	7 1/4	27 1/2	32	20 3/4	19 1/4	10	3	67 3/4	27"	34 1/4	7 1/4	n/a
PH00X-119	119	27	74	66 1/4	7 1/2	27 1/2	32	21 1/2	18 3/4	10 1/2	3	66 1/2	24 3/4	38 1/2	7 1/4	n/a
PHM00X-80	80	27 1/2	55	45 1/4	7 1/4	27 1/2	32	18 1/4	17	8	3	45 1/4	24 3/4	38 1/4	7 1/4	9 1/2
PHM00X-100	100	27 1/2	63	54	7 1/4	27 1/2	32	18 1/4	17	8	3	54	24 3/4	38 3/4	7 1/4	9 1/2

*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.