

Phoenix Evolution Combination Heater

JOB NAME :

LOCATION:

ARCH. / ENGR:

WHOLESALE :

MECH. CONTRACTOR:

MODEL NUMBER :

TYPE OF GAS :

BTU/HR INPUT:

NOTES :

Tank/Combustion Heat Exchanger

- Storage Tank 316L Stainless Steel Construction
- 90/10 Copper Nickel Heat Exchanger
- Front service access to combustion chamber and burner

Combustion System

- Modulating burner based on heat demand
- 3 to 1 turn down ratio
- 96% Thermal Efficiency (All Models)
- 98% Combustion Efficiency
- High Grade Inconel Burner
- Spark Ignition
- Models Available for Natural or LP Gas

Hydronic Heating Module

- Pre-Plumbed Hydronic Module with Brazed Plate Heat Exchanger.
- System Line Connection of 1" NPT
- System Pressure of 15 PSI
- Pressure Relief Valve designed to relieve pressure Greater than 30 PSI (Higher relief valve capacities Available)

Control System

- Total System Control – Monitors Outdoor Temperature -Tank Temperature and Heating Module Outlet Temperature to match system design
- Password Protected
- Outdoor reset with Indirect Priority
- Modulating Pump Control on Heating Module
- 24 Volt monitoring

Solar System

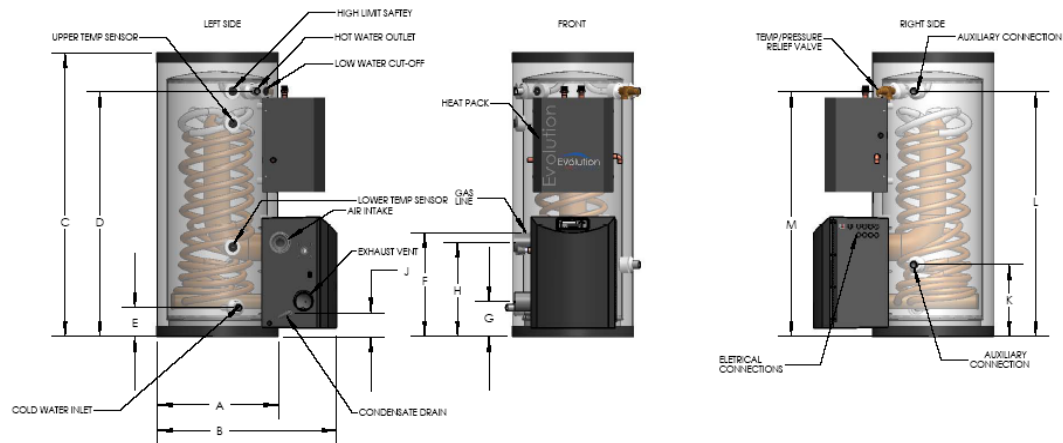
- Additional Solar Heat Exchanger

Additional Features :

- Built in Condensation trap
- Mixing valve Certified to ASSE 1017
- Vents in Plastic PVC - CPVC - Stainless Steel
- Vents up 85 equivalent feet (Combined Intake and Exhaust)
- 12 Year Limited Warranty
- Built In Low Water Cut – Off
- Manual Reset High Temperature Limit
- Dry Contact for Alarm Output

Optional Equipment:

- ☐ Condensate Neutralizer p/n N1100
- ☐ 2" Stainless Steel Outside Termination Vent Kit p/n V500)
- ☐ 3" Stainless Steel Outside Termination Vent Kit p/n V3000)
- ☐ 3" PVC Concentric vent Kit p/n KGAVT) CVT
- ☐ Alarm System p/n 7350P 602
- ☐ PC Connection Kit p/n 7250P-320

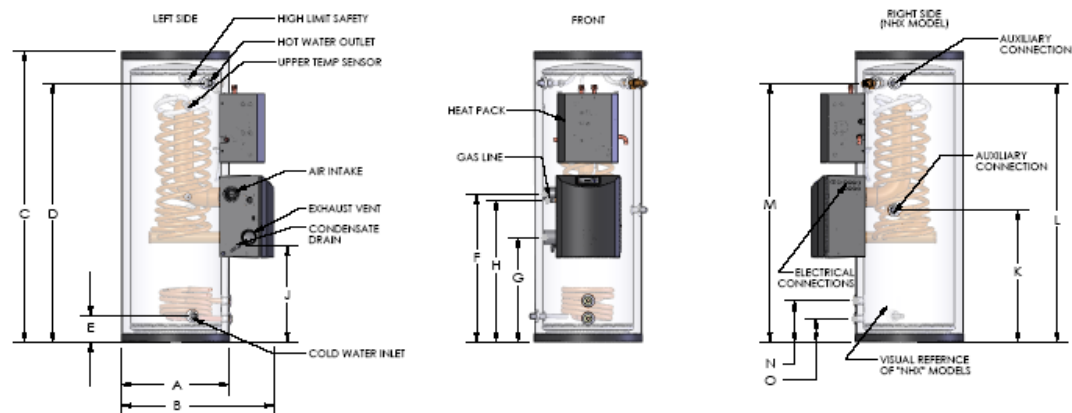


PHOENIX EVOLUTION WATER HEATER DIMENSIONS												
MODEL #*	GALLONS	A	B	C	D	F	G	H	J	K	L	M
PHE130-55 / PHE199-55	55	23"	34"	53"	46"	19-1/2"	7-3/8"	14-1/2"	5"	14"	46"	46"
PHE130-80 / PHE199-80	80	23"	34"	72"	61"	20-1/2"	8-3/8"	15-1/2"	6"	13"	61"	64-1/2"
PHE130-119 / PHE199-119	119	27"	37"	74"	65-3/4"	20-1/2"	8-3/8"	15-1/2"	6"	14-1/4"	65-3/4"	66-1/2"

PHOENIX EVOLUTION WATER HEATER SPECIFICATIONS								
MODEL #*	GALLONS	BTU'S	AIR INTAKE/EXHAUST VENT SIZE	WATER INLET/OUTLET SIZE	AUXILIARY CONN.	GAS LINE CONN.	SYSTEM RELIEF PIPE SIZE	SHIPPING WEIGHT
PHE130-55 / PHE199-55	55	130,000	2"	1" NPT	1"	3/4"	3/4"	205 LBS.
		199,000	3"					
PHE130-80 / PHE199-80	80	130,000	2"	1" NPT	1"	3/4"	3/4"	265 LBS.
		199,000	3"					
PHE130-119 / PHE199-119	119	130,000	2"	1" NPT	1"	3/4"	3/4"	435 LBS.
		199,000	3"					

* A Suffix of "N" denotes natural gas and "LP" denotes propane gas

PHOENIX EVOLUTION SOLAR



PHOENIX EVOLUTION WATER HEATER DIMENSIONS														
MODEL #*	GALLONS	A	B	C	D	F	G	H	J	K	L	M	N	O
PHE130-80S/PHE199-80S	80	23"	34"	72"	61"	38-1/2"	26"	37"	24"	31-1/4"	64-1/2"	64-1/2"	10-1/4"	10-1/4"
PHE130-119S/PHE199-119S	119	27"	37"	74"	65-3/4"	38-1/2"	26"	37"	24"	33"	64-1/2"	66-1/2"	5-3/4"	5-3/4"

PHOENIX EVOLUTION SOLAR WATER HEATER SPECIFICATIONS							
MODEL #*	GALLONS	BTU'S	AIR INTAKE/EXHAUST VENT SIZE	WATER INET/OUTLET SIZE	AUXILIARY CONN.	GAS LINE CONN.	SYSTEM RELIEF PIPE SIZE
PHE130-80S/PHE199-80S	80	130,000	2"	1" NPT	1"	3/4"	3/4"
		199,000	3"				
PHE130-119S/PHE199-119S	119	130,000	2"	1" NPT	1"	3/4"	3/4"
		199,000	3"				

* No suffix denotes natural gas and suffix "LP" denotes propane gas

* Suffix "NHX" denotes no solar heat exchanger (119 gallon only)