



Phoenix Solar Water Heater with Gas-Fired Back-Up

JOB NAME:

LOCATION:

ARCH./ENGR.:

WHOLESALER:

MECH. CONTRACTOR:

MODEL NUMBER:

TYPE OF GAS:

BTU/HR INPUT LOW FIRE:

BTU/HR INPUT HIGH FIRE:

High Efficiency Heat Exchanger

- Copper Nickel primary with 800 H and Copper Nickel secondary tube construction
- Gasketless heat exchanger design
- Internal Solar Heat Exchanger provides maximum heat transfer of solar energy

Stainless Steel Tank

- Tank construction of 316 L stainless steel
- High impact plastic jacket eliminates dents
- Auxiliary connection for Air Handler
- High limit water temperature protection
- 1" inlet and outlet domestic connection for 80 and 119 gallon models
- Temperature and pressure valve
- Top and bottom sensor for current temperature measurement inside vessel
- Built-in low water cut-off probe for protection

Combustion System

- Modulating burner with up to 5 to 1 turndown
- 96% thermal efficiency (All Models)
- High-Grade Inconel premix burner
- Spark ignition
- Fires on Natural or LP Gas with included conversion kit
- Dual flame monitoring (Spark and Flame probe)
- Flame stabilization monitoring – Automatic adjustment of firing rate to stabilize flame signal
- Two different outputs to match system design

Integrated Control System

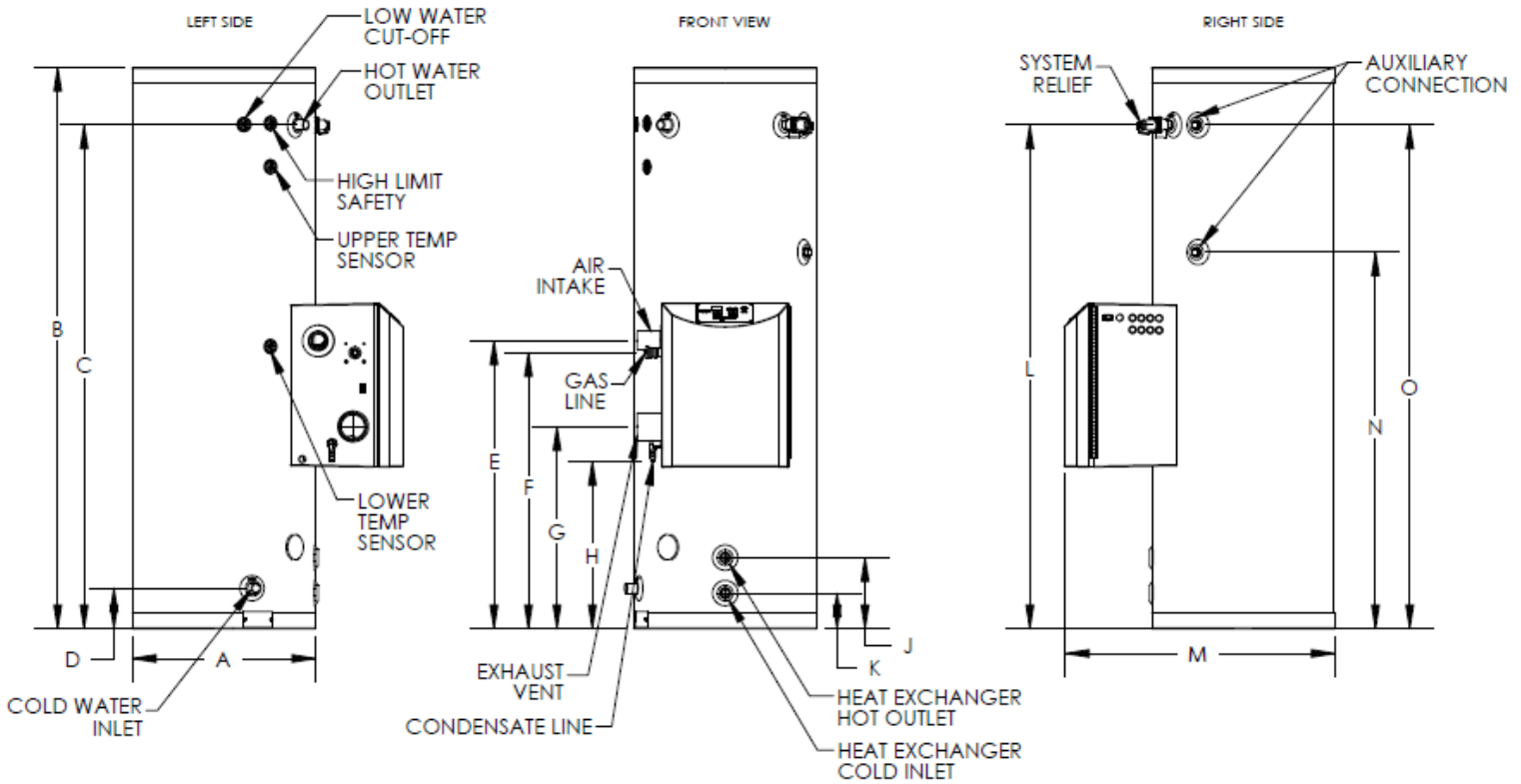
- Digital operating control with LED display three character for temperature and system monitor
- System parameters password protected
- Outdoor reset
- 120 volt 5 amp electrical connection for condensate pump
- Outdoor sensor input
- Computer monitor cable allows user to monitor system parameters – fault history – graphical monitor of system operation

Additional Features

- Vents in PVC - CPVC - stainless steel – ULC S636 flexible polypropylene vent liner (chimney lining only)
- Built –in condensation system
- Manual reset high limit

Optional Equipment

- Outdoor Sensor (Part # 7250P-319)
- 2" PVC Concentric Vent Kit (Part # KGAVT0501CVT)
- 3" PVC Concentric Vent Kit (Part # KGAVT0601CVT)
- 2" Stainless Steel Outside Termination Vent Kit (Part # V500)
- 3" Stainless Steel Outside Termination Vent Kit (Part # V1000)
- 4" Stainless Steel Outside Termination Vent Kit (Part # V3000)
- Condensate Neutralizer (Part # 7450P-212)
- PC Connection Cable w / Software (Part # 7350P-320)



SOLAR WATER HEATER DIMENSIONS

SRCC RATED SYSTEM	MODELS*	GAL.	A	B	C	D	E	F	G	H	J	K	L	M	N	O
PH-80S	PH-130-80S	80	23"	72"	65"	5-3/4"	37-1/2"	36"	27"	22-1/2"	9-3/4"	5-1/4"	64-3/4"	34"	48-3/4"	64-3/4"
PH-119S	PH-130-199S	119	27"	74"	66"	7-1/4"	38-1/4"	36-3/4"	27-1/4"	23-1/4"	11-1/2"	7"	66-1/4"	38-1/4"	49-1/4"	66-1/4"
PH-80S	PH-199-80S	80	23"	72"	65"	5-3/4"	37-1/2"	36"	27"	22-1/2"	9-3/4"	5-1/4"	64-3/4"	34"	48-3/4"	64-3/4"
PH-119S	PH-199-119S	119	27"	74"	66"	7-1/4"	38-1/4"	36-3/4"	27-1/4"	23-1/4"	11-1/2"	7"	66-1/4"	38-1/4"	49-1/4"	66-1/4"

* MODEL NUMBER MAY HAVE A SUFFIX DESIGNATION OF "LP" FOR PROPANE GAS

ALL DIMENSIONS ARE APPROXIMATE

SOLAR WATER HEATER SPECIFICATIONS

SRCC RATED SYSTEM	MODELS	GAL.	BTU'S	AIR INTAKE/ EXHAUST VENT SIZE	WATER INLET/ OUTLET SIZE	HEAT EXCHANGER SIZE	AUXILIARY CONN.	GAS LINE CONN.	SYSTEM RELIEF PIPE SIZE	SHIPPING WEIGHT
PH-80S	PH-130-80S	80	130,000	2"	1" NPT	1"	1"	3/4"	3/4"	245 LBS.
PH-119S	PH-130-119S	119	130,000	2"	1" NPT	1"	1"	3/4"	3/4"	415 LBS.
PH-80S	PH-199-80S	80	199,000	3"	1" NPT	1"	1"	3/4"	3/4"	245LBS
PH-199S	PH-199-119S	119	199,000	3"	1" NPT	1"	1"	3/4"	3/4"	415 LBS