



HTP, Inc • 272 Duchaine Blvd, New Bedford, MA 02745 • www.htproducts.com

Phoenix Light Duty Solar Water Heater with Gas-Fired Back-Up Submittal Sheet

JOB NAME:

LOCATION:

ARCH./ENGR.:

WHOLESALE:

MECH. CONTRACTOR:

MODEL NUMBER:

TYPE OF GAS:

BTU/HR INPUT LOW – HIGH FIRE:

NOTES:

High Efficiency Heat Exchanger

- Copper Nickel heat exchanger
- Gasketless heat exchanger design
- Internal Solar Heat Exchanger provides maximum heat transfer of solar energy

Combustion System

- Modulating burner with up to 3 to 1 turndown
- 97% thermal efficiency (All Models)
- High-Grade Inconel premix burner
- Spark ignition
- Fires on Natural or LP Gas with included conversion kit
- Flame monitoring
- Flame stabilization monitoring – Automatic adjustment of firing rate to stabilize flame signal

Integrated Control System

- Digital operating control with LCD display three character for temperature and system monitor - LCD indicators for appliance faults
- Outdoor reset
- 120 volt 5 amp electrical connection for condensate pump
- Outdoor sensor input
- High Limit protection monitoring
- Flue sensor monitoring

Certifications

- ETL Listed
- NSF Listed
- Low NOx emissions – SCAQMD Certified

Stainless Steel Tank

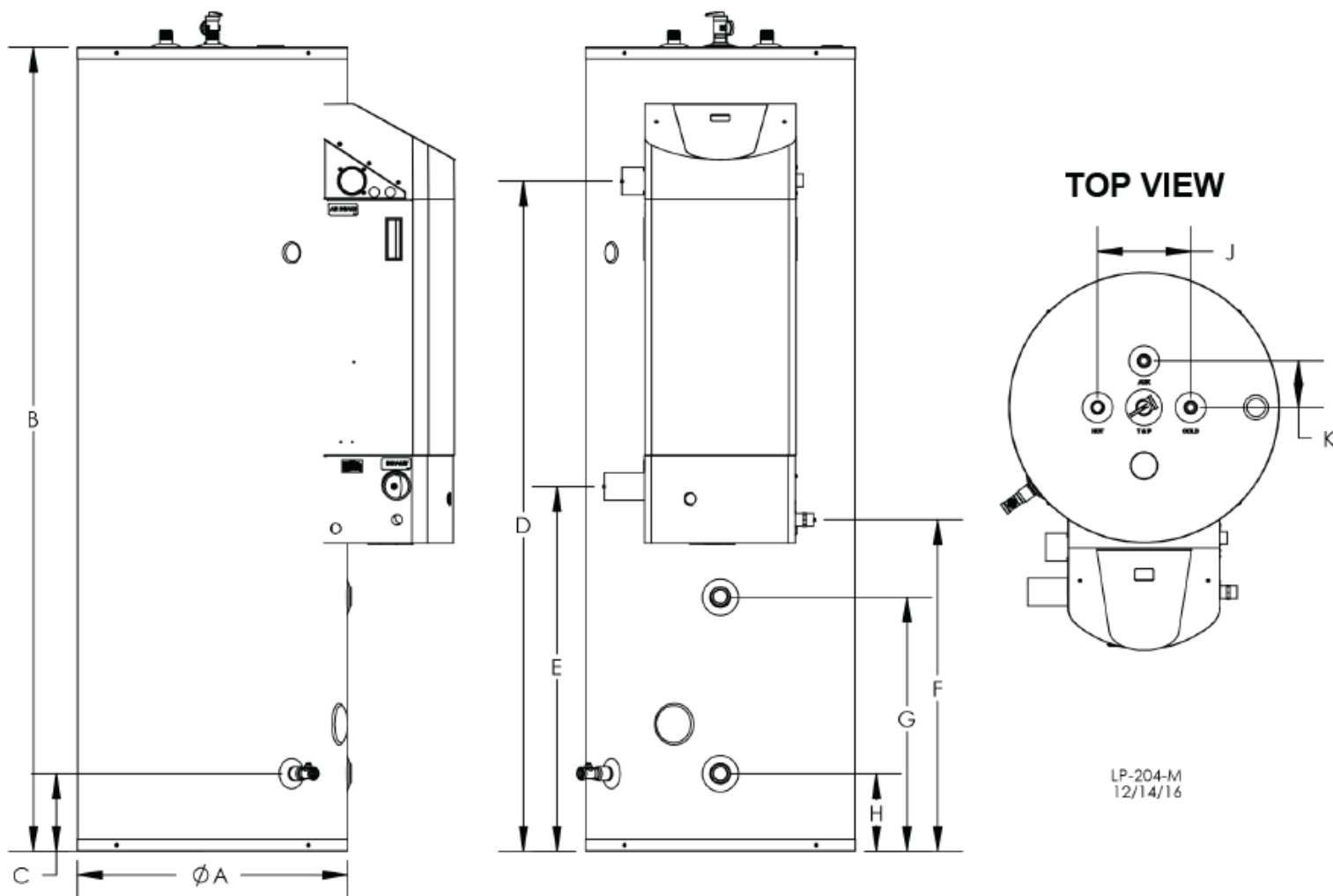
- Quality tank construction of 316 L stainless steel
- Auxiliary Port for recirculation line and higher operating efficiency
- Inlet and outlet plumbing connections off the top
- Installed Temperature and Pressure relief valve
- Full port brass drain valve

Additional Features

- Vents in 2" PVC - CPVC - stainless steel – ULC S636 flexible polypropylene vent liner (chimney lining only)
- Vents up to 150 combined equivalent feet
- Built –in cartridge neutralizer condensation system
- Manual reset high limit
- Included High Output Cold Water Dip Tube
- Lead Free Compliant, as required by the Safe Drinking Water Act, Section 1417

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 # 7250P-738)



PHOENIX LD SOLAR WATER HEATER

MODELS*	GAL.	A	B	C	D	E	F	G	H	J	K
PH76-80S	75	23"	69"	6-3/4"	57-1/4"	31-1/4"	28-1/4"	21-3/4"	6-1/2"	8"	4"

PHOENIX LD SOLAR WATER HEATER SPECIFICATIONS

MODELS	GAL.	BTU'S	AIR INTAKE/ EXHAUST VENT SIZE	WATER INLET/ OUTLET SIZE	HEAT EXCHANGER SIZE	GAS LINE CONN.	SYSTEM RELIEF PIPE SIZE	SHIPPING WEIGHT
PH76-80S	75	76,000	2"	3/4" NPT	1"	3/4"	3/4"	245 LBS.

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

ALL DIMENSIONS ARE APPROXIMATE

PERFORMANCE SPECIFICATIONS FOR PHOENIX LIGHT DUTY MODELS

BTUH	Efficiency	Temperature Rise in Degrees Fahrenheit											
		(°F)	40	50	60	70	80	90	100	110	120	130	140
		(°C)	22	28	33	39	44	50	56	61	67	72	78
		GPH	231	187	158	135	119	107	97	86	79	73	69
76,000	97%	LPH	874	708	598	511	450	405	367	326	299	276	261

Recovery on rating plate is based at 97% thermal efficiency at 70° Fahrenheit rise, as required by ANSI