



Phoenix Plus Gas-Fired Water Heater Submittal

JOB NAME:

LOCATION:

ARCH./ENGR.:

WHOLESALE:

MECH. CONTRACTOR:

MODEL NUMBER:

TYPE OF GAS:

BTU/HR INPUT LOW – HIGH FIRE:

NOTES:

Two High Efficiency Heat Exchangers

- Copper Nickel primary with 800 H and Copper Nickel secondary tube construction
- Gasketless heat exchanger design

Two Combustion Systems

- Two Combustions Systems offer system redundancy
- Modulating burners offer up to 5 to 1 turndown (Up to 10 to 1 turndown overall in PHP199-260, 320, and 399 models)
- 95% thermal efficiency (All Models)
- High-Grade Inconel premix burner
- Spark ignition
- Ships ready to fire on Natural Gas
- Can be converted to fire on 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

Integrated Control System

- Digital operating control with LCD display
- Three characters for temperature and system monitoring - LCD indicators for appliance faults (red light) and operation (green light)
- System parameters password protected
- 120 volt 5 amp electrical connection for condensate pump
- Optional PC Connection Cable and Software allows user to monitor system parameters – fault history – graphical monitor of system operation

Stainless Steel Tank

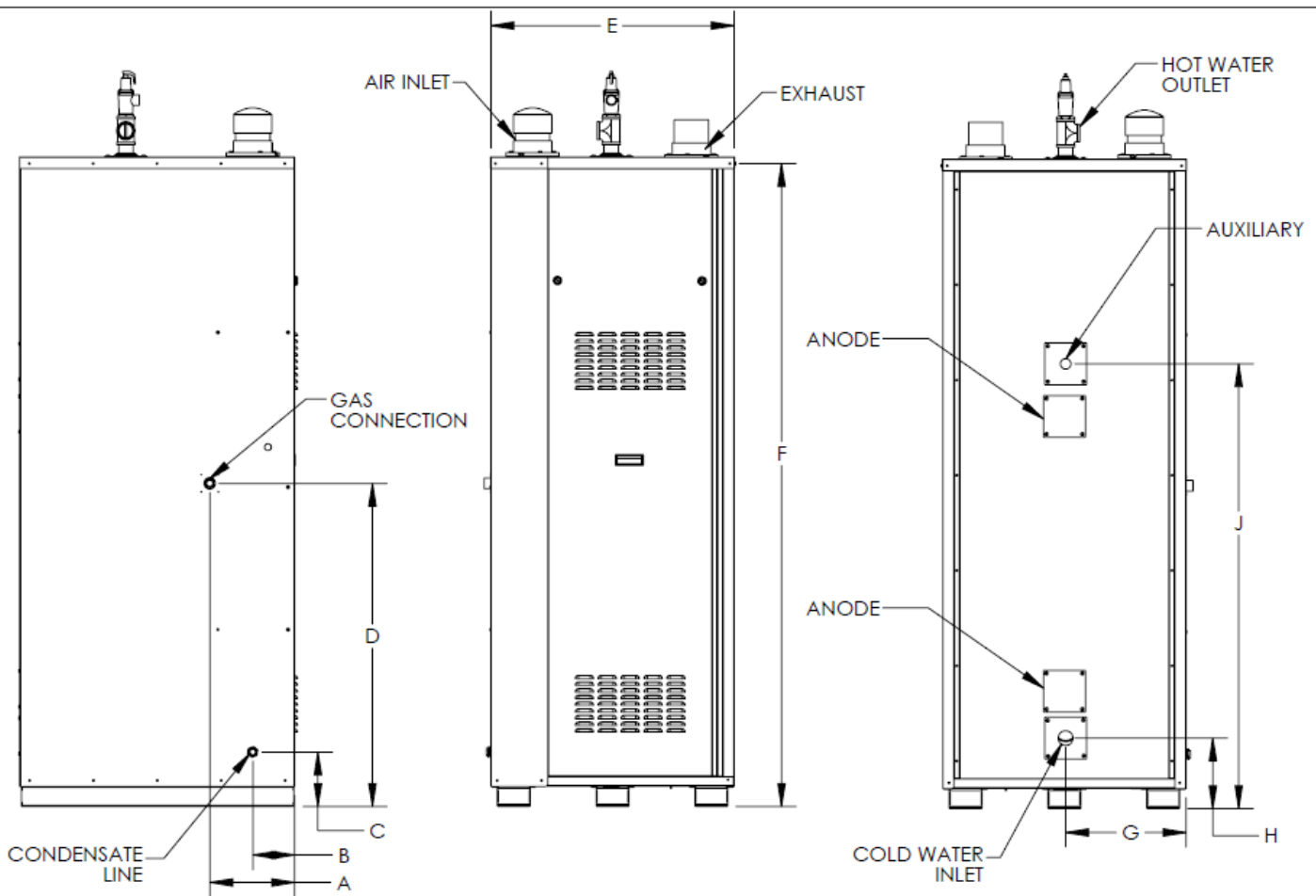
- Tank constructed of 316 L stainless steel
- Built in recirculation line increases overall system efficiency by only heating the top section of the unit
- Pressure relief pre-piped
- Drain port located on bottom
- Built-in low water cut-off probe

Additional Features

- Vents in PVC - CPVC - stainless steel – ULC S636 flexible polypropylene vent liner (chimney lining only)
- Total combined equivalent vent length of 200 feet
- Built-in condensation collection system
- Manual reset high limit
- Designed for Indoor and Outdoor Installation (Outdoor Installation restricted to certain climate zones. See Installation Manual for details.)
- Low NOx emissions – SCAQMD Certified
- Lead Free Compliant, as required by the Safe Drinking Water Act, Section 1417

Optional Equipment

- 3" PVC Concentric Vent Kit (Part # KGAVT0601CVT)
- 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)



MODEL	A	B	C	D	E	F	G	H	J	SHIPPING WEIGHT LBS/KG			
PHP199-119						77" 195.58 cm			49" 124.46 cm	475 215.46 kg			
PHP260-119	11-3/16" 28.42 cm	5-1/2" 13.97cm	7" 17.78cm	42-1/8" 107 cm	32" 81.28 cm	85"	16" 40.64 cm	9-3/4" 24.76 cm	58-3/4"	555			
PHP320-119													575
PHP399-119													260.82 kg

PORT SIZES						
MODEL	COLD WATER INLET	HOT WATER OUTLET	AUXILIARY	VENTING	GAS LINE	CONDENSATE
PHP199-119	1-1/2" NPT 3.81 cm	1-1/2" NPT 3.81 cm	1" NPT 2.54 cm	3" 7.62 cm	3/4" NPT 1.905 cm	3/4" NPT 1.905 cm
PHP260-119				4"		
PHP320-119						
PHP399-119						

LP-454-K
08/26/21

PERFORMANCE SPECIFICATIONS FOR PHOENIX PLUS MODELS

MODEL	GALLON CAPACITY	BTU/HR INPUT	TEMPERATURE RISE IN DEGREES FAHRENHEIT											
				40	50	60	70	80	90	100	110	120	130	140
PHP199-119	119	199,000	GPH	579	463	386	331	289	257	232	211	193	178	165
			GPM	9.6	7.7	6.4	5.5	4.8	4.3	3.9	3.5	3.2	3.0	2.8
PHP260-119		260,000	GPH	756	605	504	432	378	336	303	275	252	233	216
			GPM	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2	3.9	3.6
PHP320-119		320,000	GPH	931	745	621	532	465	414	372	339	310	286	266
			GPM	15.5	12.4	10.3	8.9	7.8	6.9	6.2	5.6	5.2	4.8	4.4
PHP399-119		399,000	GPH	1161	929	774	663	580	516	464	422	387	357	332
			GPM	19.3	15.5	12.9	11.1	9.7	8.6	7.7	7.0	6.4	6.0	5.5

Phoenix Plus Performance – 95% Thermal Efficiency Used for Calculations