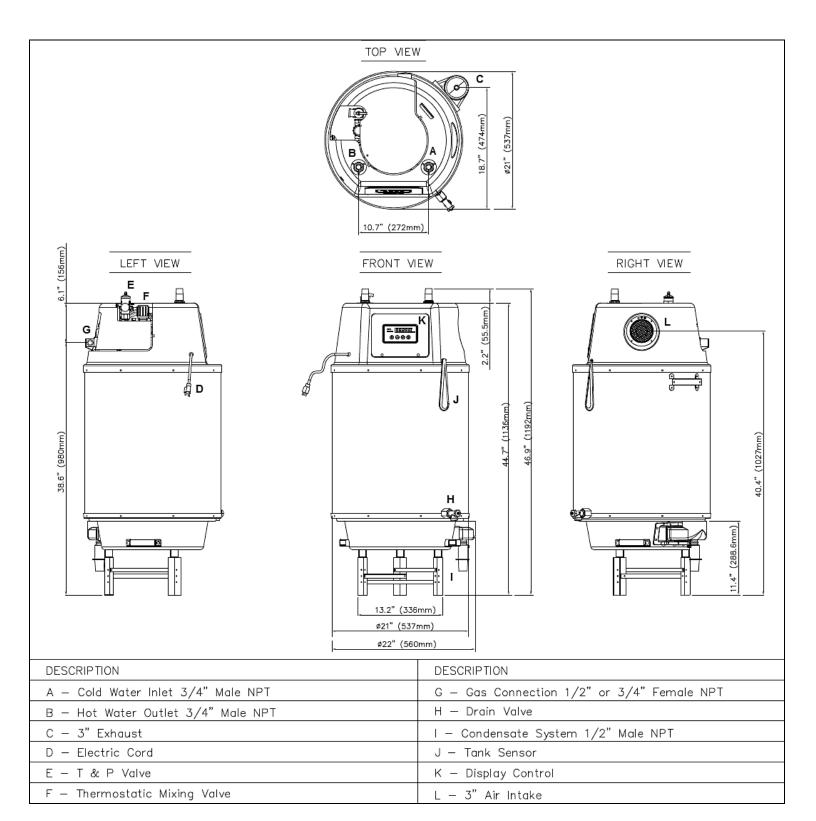


## Crossover Floor Mounted Water Heater Submittal Sheet Models: RGH20-75F / 76F / 100F

JOB NAME:				
LOCATION:				
ARCH. / ENGR.:				
WHOLESALER:				
MECH. CONTRACTOR:				
MODEL NUMBER:	BTU/HR INPUT LOW - HIGH FIRE:			
TYPE OF GAS:				
NOTES:				
<ul> <li>High Efficiency Fire Tube Heat Exchanger</li> <li>Corrosion resistant 316L stainless steel construction superior service life</li> <li>Gasketless heat exchanger design</li> <li>Fire tube design enhances condensate drainage and minimizes build-up inside the secondary portion of texchanger to enhance the long term efficiency of the</li> <li>Stainless Steel Storage Tank         <ul> <li>High quality stainless steel tank construction</li> <li>All plumbing connections are stainless steel</li> </ul> </li> <li>Combustion System         <ul> <li>Modulating burner with up to 2 to 1 turndown for betemperature control</li> <li>Low NOx operation exceeds the most stringent stand (SCAQMD Approved)</li> <li>High Grade Inconel mesh premix burner</li> <li>Reliable direct spark ignition</li> <li>Models ship ready to fire on Natural Gas</li> </ul> </li> </ul>	CPVC, Stainless Steel, or Polypropylene Pipe  Exhaust support bracket supports exhaust pipe on the water heater (Additional supports are required. See installation manual for further details)  Lead Free Compliant as required by the Safe Drinking Water Act, Section 1417  Six (6) Year Limited Residential Tank Warranty  Three (3) Year Limited Commercial Tank Warranty  High altitude compliant models certified up to 10,000 feet above sea level  Water heater extension legs keep water heater bottom from corroding for longer service life  Water inlet and outlet connections are on the top of the water heater for easy replacement of existing water heaters  All major components can be easily serviced from the top of the water heater			
• Field convertible to LP Gas operation (Kit included water heater)	with  3" Power Vent Exhaust Termination (Part # 8100P-029)			
<ul> <li>Flame monitoring through flame rod</li> <li>RGH-75F Model is FVIR compliant</li> </ul>	3" Exhaust Extension Adapter w/ Combustion Test Port (8100P-030)			
Energy Efficiency	3" Polypro Flex Vent Kit (8400P-001)			
Integrated Control System	5 Stanness Steel 1ct limitation vent Kit (v 1000)			
LCD control display enables user to monitor and constorage tank temperature setting, faults, and system				
parameters	Heating Application Kit (8100P-049)			

Fan speed is adjusted automatically through pulse with signal provided from the control, enabling the unit to modulate its firing based on tank temperature set point System safeties are constantly monitored through the control to ensure the unit is operating within designed parameters Safeties include: Flue Pressure, ECO Water Temperature Limiting Sensor, Burner Temperature Sensor, Flame

Rectification Current Monitoring High altitude fan adjustment switch lp-612 Rev. 10.27.17



	MODEL	RGH-75F	RGH-76F	RGH-100F	
Uniform Energy Factor (UEF) (*)		0.88	0.89	0.87	
Installation		Indoor, Floor Mount, Fully Condensing			
Minimum to Maximum Input (Btu/Hr)		37,500 to 75,000	37,500 to 76,000	50,000 to 100,000	
Condensate pH Level		4 pH			
Flue System		Sealed Combustion Direct Vent, Power Vent			
3" Vent Run		100 feet, 6 elbows max, 5 ft deduction per 90° elbow			
		Schedule 40 PVC, CPVC, PP			
Weight (lbs)		110			
Gas Type		Pre-set for NG / LP Conversion Kit Included			
Orifice Size	NG	` /		5.3 mm (0.208")	
	LP	2.8 mm (0.11") 3.5 mm (0.137'		3.5 mm (0.137")	
Gas Supply	NG	3.5" to 14" WC			
Pressure	LP				
Manifold	Min (3")	NG: -0.15" / LP: -0.10" WC			
Pressure	Max (3")	NG: -0.15" / LP: -0.10" WC			
Power	Main Supply	Dedicated 120	OVAC 60 Hz with 3 Pron	ged Power Cord	
Supply	Maximum Power	45W		53W	
T <sub>C</sub>	Consumption	Direct Electronic	Sport Imition with Auto	motio Flomo Consing	
Ignition System Burner System		Direct Electronic Spark Ignition with Automatic Flame Sensing			
	s Valve System	Single Orifice Premixed Fuel Injection Metal Fiber Premix Burner  Dual Stage Air Ratio Negative Pressure			
	mum Flow Rate				
		Zero activation with 20 gallons capacity tank		ipacity talik	
Internal Pipe Material Dimensions		Copper 21" Diameter – 47" Height			
Reserve Tank		21 Diameter – 47 Height 20 Gallons			
First Hour Rating at 90°F Rise		107 Gallons 130 Gallons		130 Gallons	
	ater Pressure	Min 12 – Max 150 PSI			
DHW Setpoint Temperature Range		Mechanical Tempering Valve from 70°F – 145°F (21°C – 63°C)			
		Factory Preset to $120^{\circ}$ F (48.9°C)			
Activation Sensing		Tank Temperature			
Temp	perature Control	Thermistor Starts with Heating Cycle		g Cycle	
Connection	Cold Water Inlet / Hot	³¼" Male NPT			
Sizes	Water Outlet	74" IVIAIE NP1			
Sizes	Gas Inlet		½", ¾" Female NPT		
Materials	Cabinet	Cold Rolled Carbon Steel			
	Heat Exchanger		Stainless Steel		
Safety Devices  Table 1 Tachnical Specifications		T&P Valve, Flame Rod, Remaining Flame Detection, Fan RPM Check,			
		Vent Blockage Detection, ECO Burner Plate (305°F), ECO Hot Water			
		Cutoff (194°F), 1 x 5A Fuse, Intake Blockage Detection			

**Table 1 – Technical Specifications** 

**NOTE:** HTP reserves the right to make product changes or updates without notice and will not be held liable for typographical errors in literature.

<sup>\*</sup>Maximum manifold pressure is indicated on the rating label on right side of the unit.

<sup>\*</sup>Independent DOE tested.

<sup>\*</sup>AHRI Certified.