

# Hydra Smart Residential Tankless Water Heater

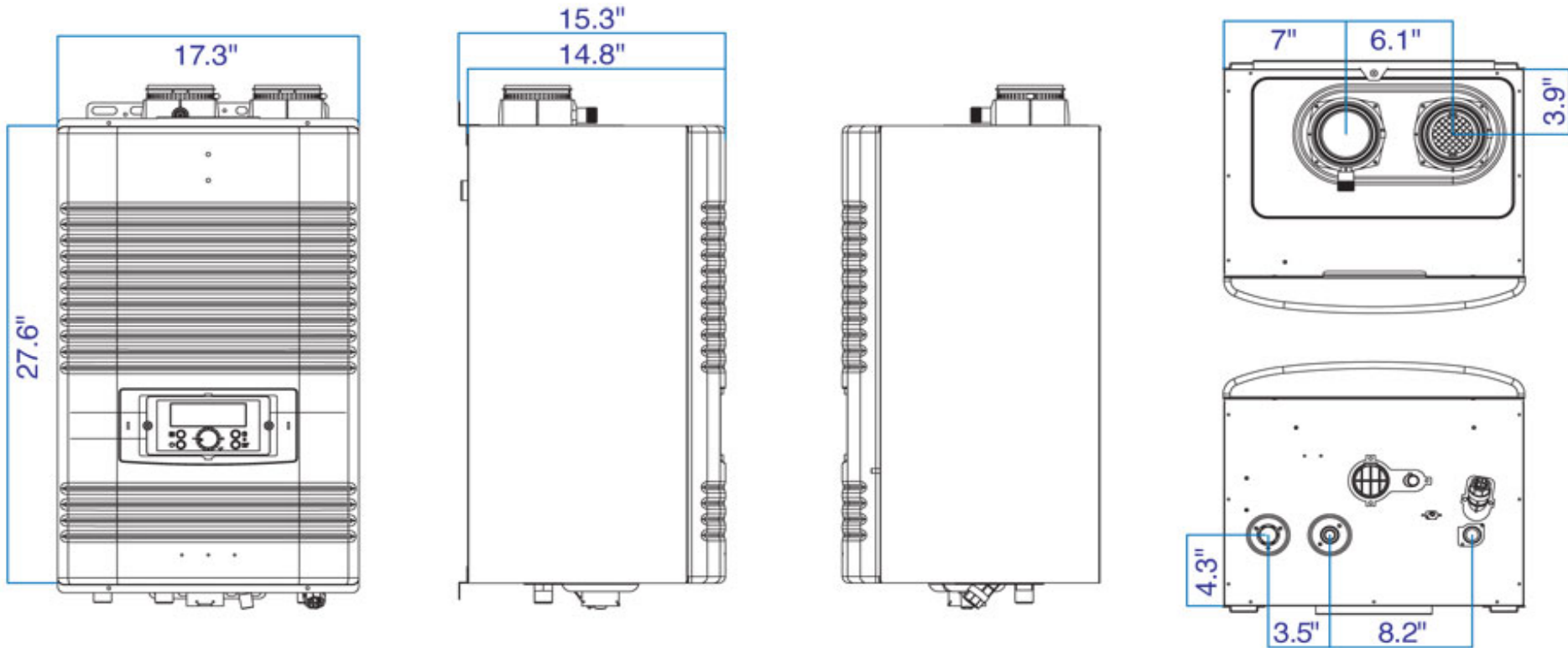
Features

**Specifications**

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## Specifications



help

MODEL		RT-199
Gas Input Rate	Max	199,000 Btuh
	Min	19,900 Btuh
Energy Factor (recovery/thermal efficiency)		.98

Hot Water Capacity	35°F Rise	11.0 Gal. Per Minute	
	45°F Rise	8.5 Gal. Per Minute	
	77°F Rise	5.0 Gal. Per Minute	
Installation		Indoor Wall Hung	
Flue System		Sealed Combustion Direct Vent	
Vent		2"(15 ft), 3" (100 ft) Schedule 40 PVC, CPVC, PP	
Orifice Size(mm)	NG(Orifice/Needle)	.374" (9.5 mm)	
	LP(Orifice/Needle)	Consult Factory	
Gas Supply Pressure("WC)	NG	3.5" WC ~ 14" WC	
	LP	3.5" WC ~ 14" WC	
Manifold Pressure("WC)	Min	NG: -0.01" WC	LP: -0.11" WC
	Max	NG: -0.05" WC	LP: -0.06" WC
Power Supply	Main Supply	120V 60Hz	
	Max power Consumption	135W	
Ignition System		Direct Electric Ignition / Automatic Flame Sensing	
Burner System		Single Orifice Premixed Fuel Modulation Metal Fiber Infrared	
Gas Valve System		Air Ratio Gas Valve	
Minimum Flow Rate		0.5 GPM	
Internal Pipe Material		Stainless Steel	
Dimensions (W x H x D)		17.3" X 27.6" X 14.8"	
Weight		88 lbs	
(Sub)Heat Exchanger Water Capacity		Less than 2 Gallon	
Control Panel/Main Controller		P-920C / GTH-9500C	
Water Pressure	Max	Hot Water 150 psi	
	Min	15 psi	
Connection Sizes	(Cold/Hot) Water inlet/Outlet	3/4" NPT	
	Gas Inlet	3/4" NPT	
	Condensate	1/2" NPT	
Materials	Casing	Cold Rolled Carbon Steel	
	Heat Exchange	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel	
Safety Devices		Flame Rod, Burner Overheat Cut Off Device 302°F, Gas Leak Detector, Flue High Limit Switch 149°F, Water Temperature High Limit Switch 199°F, Freeze Protection Ceramic Heater (Turns on at 41°F, Turns off at 59°F)	

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