

Specifications

The following table shows the specifications for the water heater. Additional specifications about water, gas, electric, and air supplies (venting) appear in each installation section.

item		VRP-150	VRS-150	VRP-199	VRS-199
Heat Capacity (Input) (0–2,0000 ft)	Natural Gas	19,900–150,000 BTU/H		19,900–199,000 BTU/H	
	Propane Gas	19,900–150,000 BTU/H		19,900–199,000 BTU/H	
High Altitude for Canada (Input) (2,000–4,500 ft)	Natural Gas	19,900–136,000 BTU/H		19,900–180,000 BTU/H	
	Propane Gas	19,900–136,000 BTU/H		19,900–180,000 BTU/H	
Energy Factor	Natural Gas	0.95	0.95	0.95	0.95
	Propane Gas	0.95	0.95	0.95	0.95
Flow Rate (DHW)	35°F (19°C) Temp Rise	8.4 GPM (32 LPM)		11.2 GPM (42 LPM)	
	45°F (25°C) Temp Rise	6.5 GPM (25 LPM)		8.7 GPM (33 LPM)	
	77°F (43°C) Temp Rise	3.8 GPM (14 LPM)		5.1 GPM (19 LPM)	
Dimensions (W x D x H)		18.1" x 11.6" x 27.6" (460 mm x 295 mm x 700 mm)			
Weight		75 lbs (34 kg)	67 lbs (30 kg)	75 lbs (34 kg)	67 lbs (30 kg)
Installation Type		Indoor wall-hung			
Venting Type		Forced draft direct vent			
Ignition		Electronic ignition			
Water Pressure		15–150 psi			
Natural Gas Supply Pressure		3.5"–10.5" WC			
Propane Gas Supply Pressure		8"–13" WC			
Natural Gas Manifold Pressure (Min. – Max.)		0.01" WC – -0.35" WC		0.01" WC – -0.59" WC	
High Altitude Manifold pressure		0.01" WC – -0.30" WC		0.01" WC – -0.55" WC	
Propane Gas Manifold Pressure (Min. – Max.)		0.01" WC – -0.30" WC		0.01" WC – -0.56" WC	
High Altitude Manifold pressure		0.01" WC – -0.26" WC		0.01" WC – -0.50" WC	
Minimum Flow Rate		0.1 GPM (0.4 LPM) for VRP models / 0.5 GPM (1.9 LPM) for VRS models			
Connection Sizes	Cold Water Inlet	3/4" NPT			
	Hot Water Outlet	3/4" NPT			
	Recirculation Water Inlet	3/4" NPT (Only VRP models)			
	Gas Inlet	3/4" NPT			
Power Supply	Main Supply	120V AC, 60 Hz / use less than 5 AMP			
Materials	Primary Heat Exchanger	Stainless steel			
	Secondary Heat Exchanger				
Venting	Exhaust	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special gas vent type BH (Class II, A/B/C)			
	Intake	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special gas vent type BH (Class II, A/B/C)			
	Vent Clearances	0" to combustibles			
Safety Devices		Flame rod, APS, Over heat preventer, Exhaust temperature high limit sensor, Power surge fuse			
Power Consumption		135 W	75 W	165 W	105 W