

## ■ 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		VH-199
Heat Capacity (Input) (0–2,000 ft)	Natural Gas	38,000–199,000 BTU/H
	Propane Gas	38,000–199,000 BTU/H
High Altitude for Canada (Input) (2,000–4,500 ft)	Natural Gas	38,000–180,000 BTU/H
	Propane Gas	38,000–180,000 BTU/H
Thermal Efficiency	Natural Gas	94
	Propane Gas	97
Flow Rate (DHW)	35°F (19°C) Temp Rise	10.8 GPM (41 LPM)
	45°F (25°C) Temp Rise	8.2 GPM (31 LPM)
	77°F (43°C) Temp Rise	4.8 GPM (18 LPM)
Dimensions (W x H x D)		18.1" x 27.6" x 13.6" (460 mm x 700 mm x 345 mm)
Weight		92 lbs (42 kg)
Installation Type		Indoor wall-hung or stand
Venting Type		Forced draft direct vent
Ignition		Electronic ignition
Water Pressure (Max.)		150 psi
Natural Gas Supply Pressure		3.5"–10.5" WC
Propane Gas Supply Pressure		8"–13" WC
Natural Gas Manifold Pressure (Min. – Max.) High Altitude Manifold pressure		-0.02" WC – -0.70" WC -0.02" WC – -0.65" WC
Propane Gas Manifold Pressure (Min. – Max.) High Altitude Manifold pressure		-0.02" WC – -0.15" WC -0.02" WC – -0.12" WC
Reserve Tank		3 Gallons (11 Liters)
Minimum Flow Rate		0.1 GPM (0.4 LPM)
Connection Sizes	Cold Water Inlet	3/4" NPT
	Hot Water Outlet	3/4" NPT
	Gas Inlet	3/4" NPT
Power Supply	Main Supply	120V AC, 60 Hz / use less than 5 AMP
Maximum Power Consumption		95 W
Materials	Heat Exchangers	Stainless steel
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