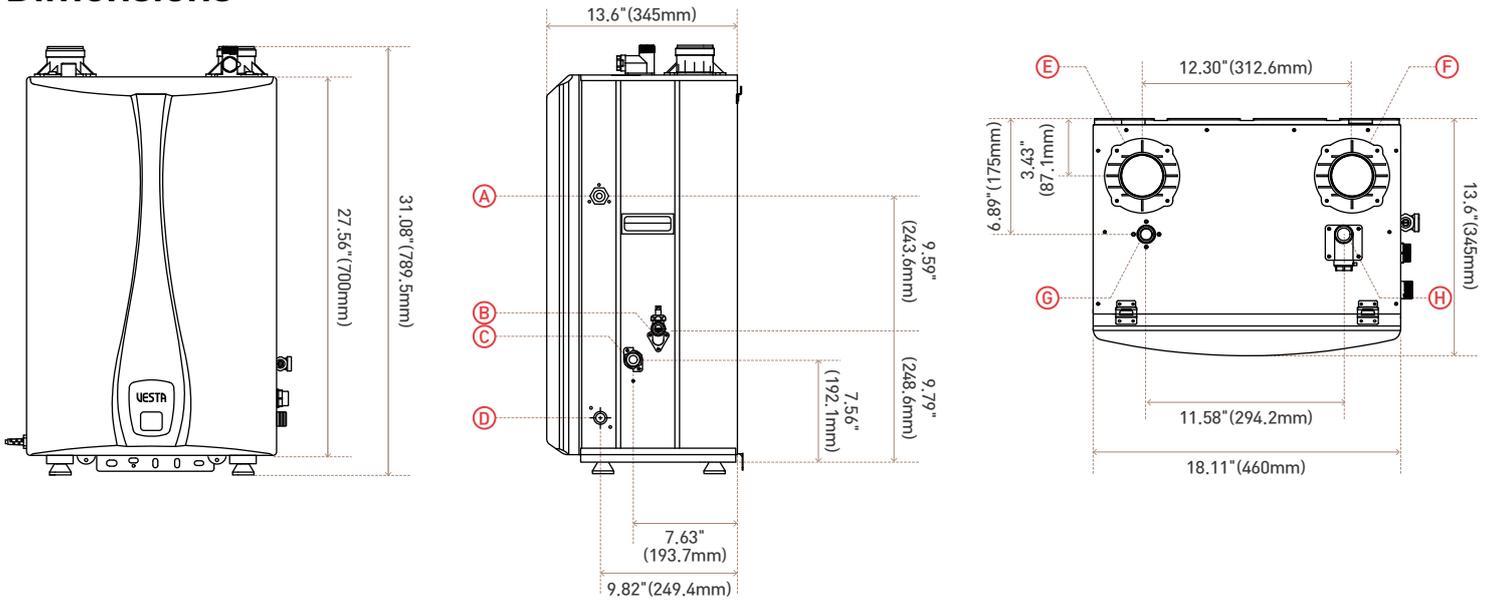


## CUBE Hybrid VH Series

Condensing Gas Water heater

[Specification Sheet]

### Dimensions



	A	B	C	D	E	F	G	H
<b>Description</b>	Pressure relief valve connector	Drain valve	Condensate drain	Gas inlet	Intake	Exhaust	Hot water outlet	Cold water inlet
<b>Diameter</b>	3/4" (Female)	3/4"	3/4"	3/4"	2"	2"	3/4"	3/4"

### Specification Sheet

MODEL		VH-150	VH-199
<b>Heat Capacity (Input)</b>	Nature Gas / Propane	38,000-150,000 BTU/H	38,000-199,000 BTU/H
<b>Thermal Efficiency</b>	Nature Gas (Propane)	96% (98%)	94% (97%)
<b>Energy Factor</b>	Nature Gas (Propane)	0.96	0.95
<b>Flow Rate (DHW)</b>	35°F (19°C) Temp Rise	8.0 GPM (31 LPM)	10.6 GPM (41 LPM)
	45°F (25°C) Temp Rise	6.3 GPM (24 LPM)	8.2 GPM (31 LPM)
	77°F (43°C) Temp Rise	4.0 GPM (16 LPM)	5.3 GPM (21 LPM)
<b>Dimension (W x H x D)</b>		18.1" x 27.6" x 13.6" (460mm x 700mm x 345mm)	
<b>Weight</b>		92lbs (42kg)	
<b>Installation</b>		Indoor wall-hung or Floor standing	
<b>Venting Type</b>		Forced draft direct vent	
<b>Ignition</b>		Electronic ignition	
<b>Water Pressure</b>		15 psi ~ 150 psi	
<b>Supply Pressure</b>	Nature Gas	3.5" ~ 0.5" WC	
	Propane	8" ~ 13" WC	
<b>Manifold Pressure</b>	Nature Gas (Min. -Max.)	-0.02" WC ~ -0.15" WC	-0.02" WC ~ -0.25" WC
	Propane (Min. -Max.)	-0.01" WC ~ -0.1" WC	-0.01" WC ~ -0.15" WC
<b>Reserve Tank</b>		3 Gallons (11 Liters)	
<b>Minimum Flow Rate</b>		0 GPM	
<b>Temperature Range</b>		98°F ~ 140°F (37°C ~ 60°C)	
<b>Ultra Low NOx</b>		YES	
<b>Connection Sizes</b>	Cold water inlet	3/4" NPT	
	Hot water outlet	3/4" NPT	
	Gas inlet	3/4" NPT	
	Condensate Drain	3/4" NPT	
<b>Power Supply</b>	Main supply	120V AC, 60Hz / use less than 5 amp	
	Maximum Power Consumption	57W	95W
<b>Materials</b>		Heat Exchanger: Stainless steel	
<b>Venting</b>	<b>Exhaust</b>	2" or 3" PVC, CPVC, Polypropylene	
		2" or 3" Special gas vent type BH (Class II, A/B/C)	
	<b>Intake</b>	2" or 3" PVC, CPVC, Polypropylene	
		2" or 3" Special gas vent type BH (Class II, A/B/C)	
<b>Vent Clearances</b>		0" to combustibles	
<b>Length</b>	2"	50ft (15m)	
	3"	100ft (30m)	
<b>Safety devices</b>		Flame rod, APS, Over heat preventer, Surge pressure regulation valve Exhaust temperature high limit sensor, Power surge fuse	