

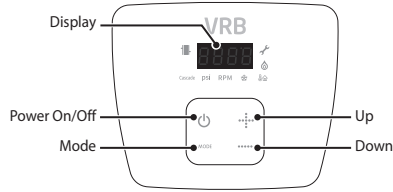
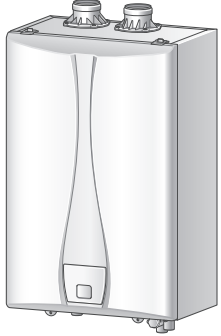


REVOLUTION CONDENSING HOT WATER BOILER

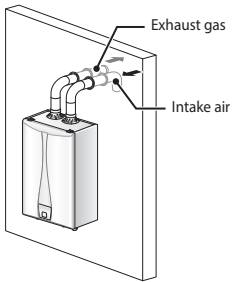
VRB - 80, 110, 130

Specification Sheet

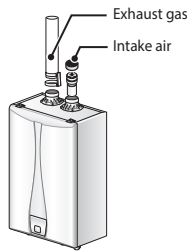
VRB Model (Condensing high efficiency boiler)



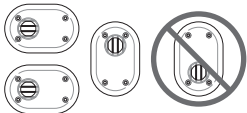
Venting Options



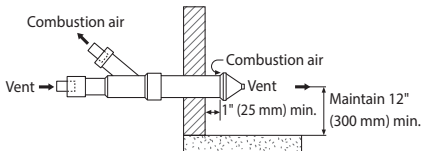
Direct Vent (Indoor)



Non-Direct Vent (Indoor)



Direct Vent Termination (Indoor)

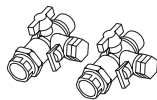


Direct Vent Concentric Termination (Indoor)

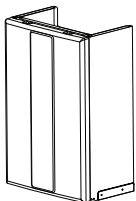
Optional accessories



Cascade communication cable (3130846)



Plumb easy valve set (2040172)



Pipe Cover (3160248S)

- Certified design according to ANSI Z21.13 - CSA 4.9-2017 standards for indoor residential applications
- Gas Input Ranges
VRB-80 - 80,000 to 19,900 BTU/h
VRB-110 - 110,000 to 19,900 BTU/h
VRB-130 - 130,000 to 19,900 BTU/h
- Dual Primary and Secondary Stainless Steel Heat Exchangers for optimum efficiency and durability
- Compatible with 2" PVC vent up to 60ft** and 3" PVC vent up to 150 ft** (**with no elbows)
- Built-in Control Panel - allows adjustment of temperature and boiler functions including Outdoor Reset Curve setting, heating setback, Integrated Low Water Safety Control, water fill pressure, and output capacity.
- Outdoor Temperature Sensor(included) – the unit controls will sense outdoor ambient temperature and adjust the boiler operation for maximum comfort and efficiency
- Available with Wi-Fi Control
- Temperature Options - hydronic heating temperature setting range from 82°F up to 180°F
- Cascade Compatible for up to 15 units.
- Outdoor Reset Sensor - when installed with an VRB model, the unit controls will sense outdoor ambient temperatures and adjust the boiler operation for maximum comfort and efficiency
- AFUE Ratings VRB-80 / 110 / 130 - 95.0% (NG/LP)
- Compatible with Natural Gas(NG) and Propane (LPG)*** (***)requires installation of included Field Conversion Kit by a qualified service agency)
- Certified by CSA, ASME
- 15-Year Heat Exchanger and 5-Year Parts Warranty (Residential) 10-Year Heat Exchanger and 3-Year Parts Warranty (Commercial)



Job Name: _____

Location: _____

Engineer: _____

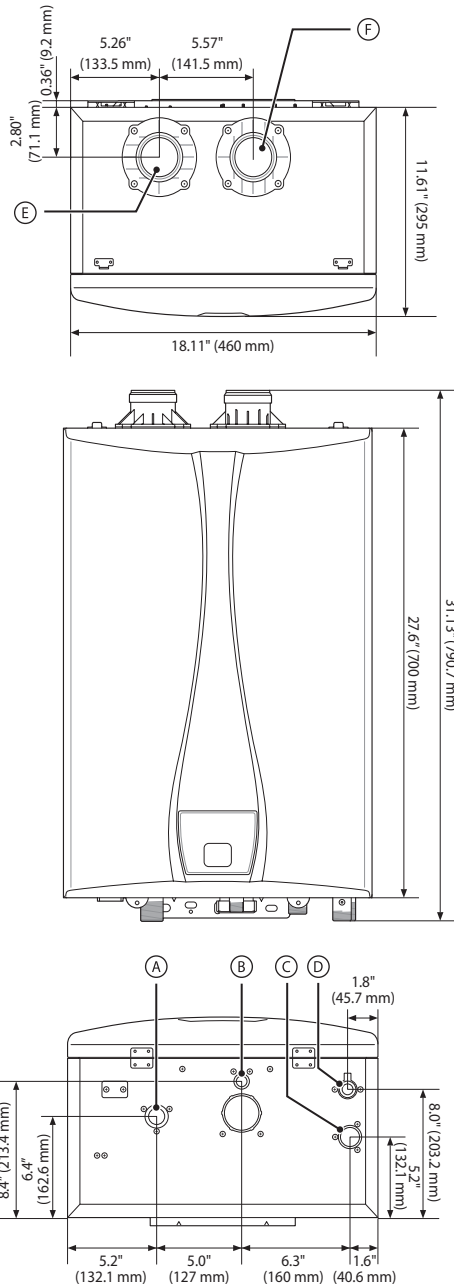
Wholesaler: _____

Contractor: _____

Model No.: _____

Submit to: _____

Dimensions



	Description	Diameter
(A)	Space Heating Return	1" NPT
(B)	Condensate Outlet	1/2" NPT
(C)	Space Heating Supply	1" NPT
(D)	Gas Inlet	3/4" NPT
(E)	Exhaust Vent	2"
(F)	Air Intake	2"

Specification

MODEL		VRB-80	VRB-110	VRB-130
Heat Capacity (Input)	Space Heating	19,900–80,000 BTU/H	19,900–110,000 BTU/H	19,900–130,000 BTU/H
AFUE	Natural Gas (propane)	95.0%(95.0%)	95.0%(95.0%)	95.0%(95.0%)
Dimensions (W x D x H)		18.1" x 27.6" x 11.6" (460 mm x 700 mm x 295 mm)		
Installation Type		Indoor wall-hung		
Venting Type		Forced draft direct vent		
Ignition		Electronic ignition		
Water Pressure		12~30psi		
Supply Pressure	Natural Gas	3.5" – 10.5" WC		
	Propane	8" – 13" WC		
Temperature Range	Space Heating	82°F – 180°F (27°C – 82°C)		
Connection Sizes	Space Heating Supply	1" NPT		
	Space Heating Return	1" NPT		
	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/Intake	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special gas vent type BH (Class II, A/B/C)		
	Length	2"	60ft(18.3m)	
		3"	150ft(45.7m)	
Vent Clearances		0" to combustibles		
Safety Devices		Flame rod, APS, Over heat preventer, Low water cut off switch Exhaust temperature high limit sensor, Power surge fuse		

Gas-fired, Condensing, wall-mounted boiler(s) shall be direct vent VRB Series models as manufactured by Vesta DS, Inc. and are certified by CSA Group to the latest edition of ANSI standard Z21.13/ CSA 4.9. Boilers(s) shall have a 15-year limited Heat Exchanger warranty and 5-year limited Parts warranty (10-year Heat Exchanger and 3-year Parts for commercial use) per Vesta.DS, Inc Limited Warranty. Unit(s) shall be designed to burn natural gas and can be used with propane when a Field Conversion Kit is installed. Boilers(s) shall be vented with 2" PVC/CPVC vent pipe at a distance not to exceed 60' (or equivalent) with each elbow equal to 8' of pipe length or 3" PVC/CPVC vent pipe at a distance of 150' (or equivalent) with each elbow equal to 5' of pipe length. Boiler(s) is rated for 30 PSI for Heating. Gas supply pressure shall be 3.5" to 10.5" WC for natural gas and 8.0" to 13.0" WC for propane. Unit(s) shall have a steel case, dual stainless-steel heat exchangers, eco premixed burner, negative pressure gas valve, TDR Damper, 3/4" inlet gas connection, and 1" brass inlet/outlet heating connections. The VRB-80, VRB-110 and VRB-130 models weighs 66 lbs. Unit(s) shall include features such as an adjustment for different vent lengths, & temperature lockout. The Boilers(s) shall be controlled by an internal circuit board that monitors the Heating inlet and outlet temperatures with installed thermistors. Unit(s) shall include safety features such as flame sensor system, high limit sensors, overhear prevention device, freeze protection mode, and fan motor rotation detector. The Boilers(s) exceeds the energy efficiency requirements of ASHRAE 90.1-2013.

* VESTA.DS reserves the right to change specifications at any time without prior notice.