

## High efficiency condensing boiler

- High efficient condensing Heating boiler - AFUE 95%
- Utilizes existing ½" gas pipe up to 24'
- Negative pressure gas valve provides constant performance at the low gas pressure situation
- 2" PVC vent up to 60' (3" venting: up to 150')
- Full stainless steel heat exchanger construction
- Simple conversion to propane - LP orifice is already in the box
- Environmentally friendly Low NOx combustion system - SCAQMD 1146.2 compliant
- Exhaust gas temperature sensor ensures safe operation
- Up to 15-year heat exchanger, 5-year parts and 1-year labor limited warranty



Designed for 2" venting  
(Up to 60')

Exhaust gas Temperature Sensor



Eco-friendly Low NOx  
Metal Fiber Burner



Dual Stainless Steel  
Heat Exchanger



Fully modulating Turbo Fan

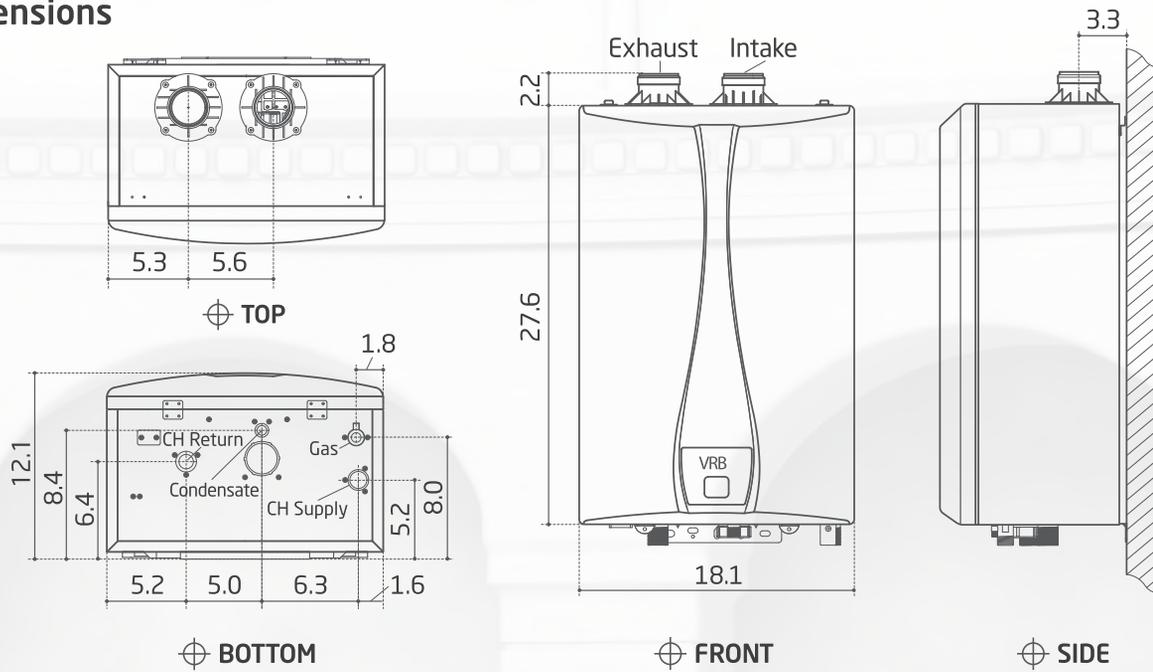


Easy field conversion  
from NG to LP

Negative Pressure Gas Valve  
for Maximum Efficiency



## Dimensions



## 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 %)
Dimension (W X H X D)		18.1" X 27.6" X 11.6" (460 mm X 700 mm X 295 mm)		
Installation		Indoor wall-mount		
Venting Type		Forced draft direct vent		
Ignition		Electronic ignition		
Water Pressure		12 ~ 30 psi		
Supply Pressure	Natural Gas	3.5" ~ 10.5" WC		
	Propane	8" ~ 13" WC		
Temperature Range	Space Heating	120 °F ~ 180 °F (50 °C ~ 82 °C)		
Connection Size	CH Supply	1" NPT		
	CH Return	1" NPT		
	Gas Inlet	3/4" NPT		
Power Supply	Main Supply	120 V AC, 60Hz / use less than 5amp		
Materials	Primary Heat Exchanger	Stainless steel		
	Secondary Heat Exchanger	Stainless steel		
Venting	Exhaust / 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		
		Length	2"	60 ft (18.3 m)
3"	150 ft (45.7 m)			
Safety Device		Flame rod, APS, Overheat preventer, Low water cut off switch Exhaust temperature high limit sensor, Power surge fuse		