

Specifications

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

| MODEL | | VRC-80 | VRC-100 | VRC-120 | VRC-140 |
|------------------------------|-----------------------------|--|--|----------------------|----------------------|
| Heat Capacity (Input) | Space Heating | 19,900–80,000 BTU/H | 19,900–100,000 BTU/H | 19,900–120,000 BTU/H | 19,900–140,000 BTU/H |
| | Domestic Hot Water | 19,900–155,000 BTU/H | 19,900–180,000 BTU/H | 19,900–199,000 BTU/H | 19,900–199,000 BTU/H |
| Flow Rate (DHW) | 45°F (25°C) Temp Rise | 6.0GPM(23LPM) | 6.9GPM(26LPM) | 7.7GPM(29LPM) | 7.7GPM(29LPM) |
| | 67°F (37°C) Temp Rise | 4.0GPM(15LPM) | 4.7GPM(18LPM) | 5.2GPM(20LPM) | 5.2GPM(20LPM) |
| AFUE | Natural Gas (propane) | 95.0%(95.0%) | 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(Hydronic/DHW) | | 12~30psi/15~150 psi | | | |
| Supply Pressure | Natural Gas | 3.5" – 10.5" WC | | | |
| | Propane | 8" – 13" WC | | | |
| Minimum Flow Rate (DHW) | | 0.5GPM(2.0LPM) | | | |
| Temperature Range | Space Heating | 80°F – 180°F(27°C – 82°C) | | | |
| | DHW | 86°F – 140°F(30°C – 60°C) | | | |
| Connection Sizes | Space heating Supply/Return | 1" NPT | | | |
| | 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 | | | |
| 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 | | | |