



## **Rinnai 2532W Series Water Heater Engineering Specifications**

### **Rinnai Continuum REU-V2532W Water Heater Engineering Specification for Residential Use**

Water Heater(s) shall be outdoor, wall mounted, instantaneous, multiple point-of-use, gas fired, water heater(s) design certified to the ANSI Z21.10.3 standard for gas fired water heaters. (Each) Water Heater shall produce no more than 55 ppm NOx emissions when tested in accordance with the Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). Said water heater(s) shall be configured to operate with \_\_\_\_\_ (natural/propane) gas and a 120 volt/60 Hz AC power source. Unit(s) shall have a BTU input range of 15,000 BTU/hr to 199,000 BTU/hr, a minimum recovery efficiency rating of 84%, a minimum hot water outlet capacity of 6.7 gallon per minute (with a 50 °F temperature rise), and a minimum operating flow rate of 0.6 gallon per minute (with a 50 °F temperature rise). Water Heater(s) shall be microprocessor controlled and utilize a direct electronic ignition system (with no standing pilot), fully modulating gas control valve, turbine flow meter, automatic electro-mechanical water flow control valve, and water temperature thermistors to maintain outlet water temperature between  $\pm 2$  °F of setpoint temperature. Unit(s) shall incorporate the following internal safety devices: flame failure lockout, boiling protection lockout, thermal overheat protection, internal freeze protection for ambient temperatures as low as  $-30$  °F, and lockout protection in the event of a blocked flue. Water Heater(s) shall be provided with a remote temperature thermostat with an adjustable setpoint range of 96 °F to 120 °F, but shall be capable of utilizing optional remote temperature thermostat controller(s) to provide an adjustable setpoint range of 96 °F to 140 °F. Unit(s) shall also be capable of storing and displaying up to 9 diagnostic maintenance codes, via the display on the remote temperature thermostat controller(s). Water Heater(s) shall have a copper heat exchanger warranted against material defects or workmanship for a period of 10 years from the date of purchase or 3 years from date of purchase when used as a circulating water heater within a hot water circulation loop. Unit(s) shall have stainless steel burners, solid brass water flow control valve, and solid brass inlet and outlet water connections. These and all other parts shall be warranted against material defects or workmanship for a period of 5 years from the date of purchase or 3 years from date of purchase when used as a circulating water heater within a hot water circulation loop.

### **Rinnai Integrity REU-V2532W-C Water Heater Engineering Specification for Commercial and Space Heating Use**

Water Heater(s) shall be outdoor, wall mounted, instantaneous, multiple point-of-use, gas fired, direct vent, water heater(s) design certified to the ANSI Z21.10.3 standard for gas fired water heaters. (Each) Water Heater shall produce no more than 55 ppm NOx emissions when tested in accordance with the Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). Said water heater(s) shall be configured to operate with \_\_\_\_\_ (natural/propane) gas and a 120 volt/60 Hz AC power source. Unit(s) shall have a BTU input range of 15,000 BTU/hr to 199,000 BTU/hr, a minimum recovery efficiency rating of 84%, a minimum hot water outlet capacity of 6.7 gallon per minute (with a 50 °F temperature rise), and a minimum operating flow rate of 0.6 gallon per minute (with a 50 °F temperature rise). Water Heater(s) shall be microprocessor controlled and utilize a direct electronic ignition system (with no standing pilot), fully modulating gas control valve, turbine flow meter, automatic electro-mechanical water flow control valve, and water temperature thermistors to maintain outlet water temperature between  $\pm 2$  °F of setpoint temperature. Unit(s) shall incorporate the following internal safety devices: flame failure lockout, boiling protection lockout, thermal overheat protection, internal freeze protection for ambient temperatures as low as  $-30$  °F, and lockout protection in the event of a blocked flue. Water Heater(s) shall utilize a remote temperature thermostat controller to provide an adjustable setpoint range of 96 °F to 180 °F. Unit(s) shall also be capable of storing and displaying up to 9 diagnostic maintenance codes, via the display on the remote temperature thermostat controller. Water Heater(s) shall have an internally coated copper heat exchanger, warranted against material defects or workmanship for a minimum period of 5 years from the date of purchase. Unit(s) shall have stainless steel burners, solid brass water flow control valve, and solid brass inlet and outlet water connections. These and all other parts shall be warranted against material defects or workmanship for a minimum period of 5 years from the date of purchase.

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