



NYC Department of Buildings
 280 Broadway, New York, NY 10007
 Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 327-02-E Vol. 7

Manufacturer: Rinnai Corporation, 2-26 Fukuzumi-cho, Nakagawa, Nagova, JAPAN

Trade Name(s): Rinnai

Product: Instantaneous, gas-fired, direct-vent hot water heaters

Pertinent Code Section(s): 27-800, RS 16 (P107.26), RS 14-2 (ANSI Z223.1)

Prescribed Test(s): RS 14-6 (ANSI Z21.10.3)

Laboratory: CSA International

Test Report(s): CSA Report: 242121-1991263, dated November 19, 2007.

Description: Direct-vent, wall-mounted, instantaneous, gas-fired hot water heater, designed for indoor installation. Unit is comprised of burner, ignition module, flame sensor igniter, combination control valve; combustion air blower wheel and temperature limit control. Units, with model numbers and input heating ratings, are listed below:

Model No.	Input Heating Rating Range (Btu/h)
REU-VA2528FFUD(A)-USN (Indoor)	15,000 – 180,000
REU-VA2528WD(A)-USN (Outdoor)	15,000 – 180,000

Notes:

1. Model designations are as follows: DN – Direct vent; WD – Outside wall installation.

2. Indoor units are direct-vented with the following conditions:

Vent Specifications:

Equivalent Length, feet

Vent System	Max. + Elbows	Min.	Inches of Each Elbow
Ubbink	41	6	6
Heat-Fab	41	6	6

Wall Thickness: Maximum = 20 inches, Minimum = 4 inches.

Material Specification:

Manufacturer	Metal Fab, ProTech	Heat Fab
Air Intake Pipe	4 inch diameter PVC, CPVC	4 inch diameter AL29-4C
Vent Pipe	4 inch diameter AL29-4C	4 inch diameter AL29-4C

Terms and Conditions: The above-described water heaters are accepted under the following conditions:

1. For **indoor** installation, minimum clearances to combustible and non-combustible construction are:

Left Side: 2 inches
 Right Side: 2 inches
 Rear: 0 inches
 Front: 24 inches
 Top: 12 inches
 Floor: 12 inches
 Vent: 4 inches

2. For **outdoor** installation, minimum clearances to combustible and non-combustible construction are:

Left Side: 6 inches
 Right Side: 6 inches
 Rear: 0 inches
 Front: 24 inches
 Top: 12 inches
 Floor: 12 inches

3. Units shall be fired by natural gas only.
4. Heaters shall not be installed in any enclosed space with a volume of less than 100 cubic feet.
5. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
6. Units shall be installed and used in compliance with the Energy Conservation Construction Code of New York State.
7. All shipments and deliveries of such equipment shall be accompanied by a metal tag, suitably placed, certifying that the equipment shipped or delivered are equivalent to that tested and accepted for use, as provided for in Section 27-131 of the New York City Building Code.

Note: In accordance with Section 27-131 (d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance March 18, 2008

Examined By Simon Desphanden