



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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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 309-99-E Vol. 3

Manufacturer: Rinnai Corporation, 2-26 Fukuzumi-cho, Nakagawa, Nagoya, Japan

Trade Name(s): Rinnai DV1146

Product: Direct vent, fan-type wall furnace

Pertinent Code Section(s): 27-800, 27-825, 27-826, 27-886, RS 14-2 (ANSI A223.1)

Prescribed Test(s): RS 14-6 (ANSI Z21.86)

Laboratory: CSA International

Test Report(s): CSA Report 189893-1183546, dated November 5, 2006

Description: Direct vent, gas-fired fan-type wall furnace designed for indoor installation. Unit is comprised of a power vent system, a sealed combustion chamber and heat exchanger assembly, a direct ignition system consisting of igniter, flame sensor, ignition module, combination gas-pressure regulator and controls. Unit is provided with overheat & fan switch, and a pressure switch. Model number, with input heating rating, is listed below:

Model No.	Input Heating Rating (BTUH)
RHFE-263FAII-N	4,600 – 11,000

Units shall be wall-hung direct vented with the following specifications:

- A) Minimum exhaust vent – 1 ft; minimum exhaust intake pipe – 1 ft. & no elbows
- B) Maximum exhaust vent – 13 ft; maximum intake pipe – 13.1 ft & 2 elbows

Vent Kits

- S – 3” to 4½” ; 2 x 4 studded walls
- A – 4½” to 9½” ; 2 x 6 wood studded walls
- B – 9½” to 15¾” ; wood / brick walls
- C – 15¾” to 23⅝” ; brick / block walls
- D – 23⅝” to 31½” ; special

Terms and Conditions: The above-described direct-vent wall furnace is accepted for through-the-wall installation under the following conditions:

1. Furnaces shall be installed by a licensed plumber only, who shall ensure that installation is provided with required unobstructed vent opening and that all Gas Company requirements for this type of installation are strictly enforced.
2. Minimum installed clearances from combustible construction shall be as follows:

Top:	10 inches
Front-alcove:	40 inches
Rear:	0 inches
Left/Right:	2 inches
Vent:	0 inches
3. Units shall be fired with natural gas only.
4. If steel flue tube passes through a combustible wall, it must pass through double metal thimble two (2) inches larger than the tube.
5. Units shall not be installed behind doors, in an alcove or at locations where curtains or drapes can come into contact with them.
6. Gas-pressure regulator shall be installed and gas inlet pressure shall be adjusted by the installer to give inlet pressure at the burner orifice, as recommended by the manufacturer.
7. Furnaces shall not be operated until installation is approved for such operation by the Gas Company and the model has been approved by the Gas Appliance Approval Committee.
8. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
9. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided 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 20, 2007

Examined By Simon Derphudam