



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

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 271-07-E

**Manufacturer:** Rheem Manufacturing Co., P.O. Box 17010, Fort Smith, AR 72917-7010

**Trade Name(s):** Thermal Zone

**Product:** Gas-fired furnaces

**Pertinent Code Section(s):** 27-800, 27-825, RS 14-2 (ANSI Z223.1a)

**Prescribed Test(s):** RS 14-6 (ANSI Z21.47)

**Laboratory:** Canadian Standards Association International

**Test Report(s):** Report No. 1499522, dated May 9, 2007

**Description:** High efficiency upflow gas-fired furnaces for indoor-residential installation. Unit is comprised of induced draft (power exhaust), aluminized steel main burner, heat exchanger assembly, pressure switch, intermittent ignition system comprising of pilot burner and igniter (electrode), flame sensor ignition module and combination gas-pressure regulator. Units, with model numbers and input heating ratings, are listed below:

Model No.	Input Ratings (Btu/hr)
TZ91UP45	45,000
TZ91UP60	60,000
TZ91UP75	75,000
TZ91UP90	90,000
TZ91UP105	105,000
TZ91UP125	120,000

**Terms and Conditions:** The above-described high-efficiency, upflow gas-fired furnaces are accepted for residential use under the following conditions:

1. Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.
2. Furnaces shall be installed indoors only.
3. Furnaces shall use natural gas only.
4. If utilized for residence heating, the circulatory air system shall have (a) one register or grilled without a damper or, (b) dampers and shutters within the system shall be constructed or controlled so as to prevent closure beyond 80 percent of the gross duct area at all times.
5. If furnace is installed in combination with a cooling system, then the cooling system shall be MEA-accepted.
6. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
7. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
8. 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 accepted for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance 11/8/07

Examined By Suzanne Brown