



# 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 235-95-E Vol.3

**Manufacturer:** EMPIRE COMFORT SYSTEMS, INC  
918 Freeburg Avenue,  
Belleville, Illinois 62222

**Trade Name(s):** EMPIRE

**Product:** Direct vent wall furnaces

**Pertinent Code Section(s):** 27-800, 27-825, 27-886 ,RS 14-2

**Prescribed Test(s):** RS 14-6 (ANSI Z21.44)

**Laboratory:** American Gas Association Laboratories Inc.

**Test Report(s):** C1745010, dated August 28, 1995 and May28, 1995.

**Description** – Direct vent fan type wall furnaces, DV series, designed for indoor installation. Unit comprises a sealed contusion chamber and heat exchanger assembly, a ignition system consisting of hot surface igniting ignition module flame sensor, combination gas pressure regulator and controls. Unit with model number and input heating rating, is listed below:

Model No.	Input Heating Rating BTUH
DV-20E(AC)-(1-99)	20,000
DV-40E(AC)-(1-99)	40,000
DV-55E(AC)-(1-99)	55,000

**Notes:** 1. Unit may be installed on combustible floors with combustible flooring with the following minimum clearances from combustible construction: ceiling-10 inches; rear-0 inches; side wall-3 inches (18 inches right side for servicing).

2. Units shall be installed with the inlet air and vent assembly through a wall measuring from 2 inches to 32 inches thick.

3. The furnaces are for indoor installation, with a minimum vent length of two (2) inches and a maximum of fifteen (15) feet plus three (3) 90degree silicone elbows. All models may be installed with Extended Vent Terminal Kit No. DVT-2, optional Condensate Drain Kit No. DV-1108, and option Floor Pad Kit No.DVP-1. In addition, Model No. DV-(20, 40) E may be installed with Intake/Exhaust Extension Nos. DVE-1 and DVE-2

**Terms and Conditions:** -That the above described direct vent gas fired wall furnaces be accepted for through-the-wall installation only, for operation on natural gas only, under the following conditions:

1. Furnaces shall be installed by a license plumber only, who shall insure that the installation is provided with required unobstructed vent opening and that all Gas Company requirements for this type of installation are strictly enforced.
2. If steel flue tube passes through a combustible wall, it must pass through a double metal thimble two inches larger than the flue.
3. Units shall not be installed behind doors, in an alcove or at locations where curtains or drapes can come into contact with them.
4. Gas pressure regulator shall be installed and gas inlet pressure shall be adjusted by the installer to give inlet pressure at the burner office recommended by the manufacturer.
5. 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 of the New York City Department of Health.
6. Approval of all electrical equipment, apparatus, materials and installation.
7. All shipments and deliveries of such equipment shall have a metal tag permanently affixed to the units and suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance April 10, 2006

Examined by Siem Derphiden