



# 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 484-06-E

**Manufacturer:** Empire Comfort Systems, Inc., 918 Freeburg Avenue, Belleville, IL 62220

**Trade Name(s):** Housewarmer

**Product:** Gas-fired, direct-vented wall furnace

**Pertinent Code Section(s):** 27-800, 27-886, RS 14-2 (ANSI Z223.1)

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

**Laboratory:** Canadian Standards Association (CSA)

**Test Report(s):** CSA Report 1777088, dated August 1, 2006

**Description:** Direct-vented wall furnaces, Housewarmer Series, are intended for residential installation or aftermarket permanently located manufactured (mobile) homes. The models are equipped with an atmospheric-type main gas burner, which is ignited by a proved gas pilot of the continuous type. The continuous type gas pilot is ignited by a piezo igniter, provided in the construction of the wall furnace. Units, with model numbers and input heating ratings, are listed below:

Model Number	Input Heating Rating, Btuh
HW075DVN-(1 – 99)	7,500
HW130DVN-(1 – 99)	13,000
HW180DVN-(1 – 99)	18,000

Units are direct-vented (concentric) and are to be installed on wall from 4 inches to 11.75 inches thick.

Installation: Minimum clearances from combustible construction: Sides – 2 inches (51 mm); Rear – 0 inches (0 mm); Ceiling – 20 inches (508 mm); Floor – 5 inches (127 mm); Vent - install according to manufacturer’s instructions.

**Terms and Conditions:** The above-described direct-vent, gas-fired through-wall furnace units are accepted with the following conditions:

1. Units shall be fired by natural gas only with the firing rate as indicated above.
2. Furnace shall be installed by a licensed plumber only, who shall insure that the installation is provided with required unobstructed vent opening and that all the Gas Company's requirements for this type of installation are strictly enforced.
3. If steel flue tube passes through a combustible wall, it must pass through a double metal thimble two inches larger than the flue.
4. Units shall not be installed behind doors, in an alcove or at locations where curtains or drapes can come into contact with them.
5. Gas pressure regulator shall be installed and gas inlet pressure shall be adjusted by the installer to give inlet pressure at the burner orifice recommended by the manufacturer.
6. Furnace shall not be operated until installation is approved for such operation by the Gas Appliance Approval Committee of the New York City Department of Health and Mental Hygiene.
7. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
8. 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 that tested and acceptable for use, as provided for in sub-article 27-131 of the New York City Building Code.
9. Units shall be installed in accordance with the Energy Conservation Construction Code of New York State.

**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 8, 2007

Examined By Steven Derphudom