



# 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 565-06-E

**Manufacturer:** AEI Corporation, 2641 Dubridge Avenue, Irvine, CA 92606-5001, Tele. (949) 474-3070  
www.aeigrillsandheaters.com

**Trade Name(s):** Patio Comfort

**Product:** Portable natural gas infra-red, outdoor patio heaters

**Pertinent Code Section(s):** 27-800, 27-826, RS 14-2 (ANSI Z223.1)

**Prescribed Test(s):** RS 14-6 (ANSI Z83.6, CSA International Requirement 5.90 U.S.)

**Laboratory:** CSA International Inc.

**Test Report(s):** CSA File No. 1730632, dated October 10, 2006.

**Description:** Natural gas-fired infra-red outdoor patio heaters as tabulated below are portable and may be used in residential or commercial occupancies. Unit is equipped with natural gas heater head, stainless steel burner, pilot burner, thermocouple, Piezo igniter/electrode assembly, gas-pressure regulator, 66" post, base reflector, M.B. Sturgis (ANSI Z21.54 approved) stainless steel over-braid hose connectors with quick disconnect and M.B. Sturgis (ANSI Z21.90 approved) gas convenience outlet. Units, with model numbers and input ratings, are listed below:

Model No.	Input Rating Btu/Hr.
NPC05-SS	41,500
NPC05-AB	41,500

**Terms and Conditions:** The above infrared patio heaters are accepted under the following conditions:

1. Heaters shall be fired by natural gas only.
2. Minimum installed clearances from combustible construction shall be as follows:  
Side – 27 inches; rear – 27 inches; ceiling – 24 inches; below – 80 inches
3. Heaters shall be installed outdoors only.
4. Heaters shall be installed in accordance with manufacturer's instructions and all rules and regulations of the New York City Building Code and the Fire Department requirements.
5. All installations/connections shall be approved and tested by the Plumbing Division of the New York City Department of Buildings.
6. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
7. The portable unit shall be installed in a heavy, tip-proof movable base for safety and stability.
8. The outdoor heaters shall not be operated in rain, high-wind or dusty conditions.
9. Where flexible-hose gas connectors are used, the following conditions shall be complied with:
  - a) Such flexible hose connectors shall be MEA-approved for portable outdoor gas-fired appliances according to RS 14-6 (ANSI Z21.54).
  - b) All hose connectors shall be ANSI Z21.90 compliant (i.e. they incorporate a two-step connection process whereby connection/disconnection requires that a gas flow valve be closed before connection/disconnection can be made).
  - c) Outside connection point shall comply with ANSI Z21.90, Standard for Gas Outlets, and shall be in lockable receptacles made of corrosion-resistant metallic material suitable for outdoor use. Receptacles shall be recessed and locked closed when not in use.
  - d) Such connection shall be made in accordance with Terms and Conditions of the MEA approval and the manufacturer's recommendations, and all rules and regulations of New York City Building Code and the Fire Department.
  - e) Connector hose guides must be provided on the base of the heater and directly below the gas outlet according to manufacturer's specifications.

- f) The maximum length of the flexible gas hose shall be in compliance with the manufacturer's recommendations and in no event shall such length exceed 8 feet.
- g) Hoses shall not be a tripping hazard and must be protected by bridging in compliance with LL58 of 1987 and RS 4-6 of the Building Code, both to allow accessibility and protect the hose from damage.
- h) The owner or operator of such outdoor heaters shall obtain a Fire Department permit prior to operation of the equipment. Such equipment shall be subject to annual inspection by the Fire Department.
- i) Only a designated employee who holds an FDNY Certificate of Fitness shall connect or disconnect the outdoor heaters.

10. 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 August 3, 2007

Examined By Srin Derkhdam