



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 68-08-E

Manufacturer: Rupp Air Management Systems, Div. of Captive-Aire Systems
101 Industrial Parkway
West Union, IA 52175

Trade Name(s): Rupp Air Management Systems

Product: Direct gas-fired construction heaters
MEA Index #410 – Construction Heaters

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

Prescribed Test(s): RS 14-6 (ANSI Z83.7)

Laboratory: Intertek Testing Services (ITS)

Test Report(s): ITS Report No. 3-10678-002 issued August 19, 2002.

Description: Direct gas-fired construction heaters, Series HTC, utilizing a burner in the air stream such that the products of combustion are diluted in the fresh air passing through the heaters. The units described herein consist of an air-handling enclosure with provisions for all inlet air to be taken directly from the outdoors. Units have a single, forward curved blower powered by up to a 40 HP motor. Blower size and motor horsepower determine unit airflow ratings. Units are equipped with a gas-fired line burner and appropriate gas control devices. Gas input rate is determined by the length of the burner and the manifold pressure. The product is intended to be temporarily connected to the electrical and gas supply source. Units with model numbers and input heating ratings are listed on the following page.

| Model No. | Input Rating (Btu/hr) | SCFM (Maximum) | SCFM (Minimum) |
|-----------|-----------------------|----------------|----------------|
| HTC550 | 18,333 – 50,000 | 4,500 | 2,500 |
| HTC825 | 27,500 – 825,000 | 12,000 | 5,000 |
| HTC1100 | 36,667 – 1,100,000 | 12,000 | 5,000 |
| HTC1400 | 45,833 – 1,375,000 | 12,000 | 5,000 |
| HTC1650 | 55,000 – 1,650,000 | 16,000 | 9,000 |
| HTC2000 | 66,667 – 2,000,000 | 16,000 | 9,000 |
| HTC2200 | 73,333 – 2,200,000 | 16,000 | 9,500 |
| HTC2750 | 91,667 – 2,750,000 | 22,000 | 12,000 |
| HTC3300 | 110,000 – 3,300,000 | 22,000 | 12,000 |
| HTC4500 | 150,000 – 4,500,000 | 35,000 | 20,000 |

Terms and Conditions: The above direct gas-fired, construction heaters are accepted with the following conditions:

1. Heaters are for heating buildings or structures under construction only where flammable gases or vapors are not generally present.
2. Heaters shall be fired by natural gas with rigid gas piping installation only.
3. Heaters shall be installed in well-ventilated spaces.
4. Minimum installed clearances to combustible construction shall be as follows:
Top – 6 inches, front – 24 inches; sides – 6 inches; bottom – 0 inches.
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 heaters shall not be operated in high-wind and dusty conditions and must be installed in such a way that it is not directly exposed to water spray.
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.

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 April 9, 2008
Examined By Srin Derphindam