

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 184-03-E
Report Materials and Equipment Acceptance Division

Manufacturer – Concepts & Designs, Inc., 2100 Park Drive, Owatonna, MN 55060.

Trade Name – Concepts & Designs.

Product – Direct gas fired unit heaters.

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

Prescribed Tests – RS 14-6 (ANSI Z83.4).

Laboratory - Intertek Testing Services.

Test Report – No. 523195, dated December 3, 1992, revised February 27, 2003.

Description – Gas fired make-up heaters, designed for indoor or outdoor installation for horizontal, upflow and downflow discharge, to supply make-up air to non-residential spaces. Units consist of direct gas-fired burner, ignition system, flame safeguard and combination gas pressure regulator, high temperature limit control, air flow switch, centrifugal blower(s) and modulating dampers. Units, with model numbers, air flow range and input heating rating are listed below:

Model Number	Maximum CFM	Maximum Temp. Rise	Maximum Input (BTU/HR)
DF	2750	65/65	193,050
DF	4500	65/65	315,900
DF	7000	100/100	756,000
DF	10,000	120/120	1,296,000
DF	15,000	120/120	1,944,000
DF	25,000	120/120	3,240,000
DF	32,000	120/120	4,147,200
DF	40,000	120/120	5,184,000
DF	55,000	100/100	5,940,000
DF	65,000	80/80	5,616,000
DF	75,000	65/65	5,265,000
DF	100,100	65/65	7,020,000
DF	125,000	65/65	8,775,000

Note: Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.

Recommendation - That the above described direct fired gas make-up air heater be accepted for operation on natural gas only, under the following conditions:

1. Heaters shall not be operated until installation is approved for such operation by the Gas Company.
2. 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 for in Section 27-131 of the Building Code.
3. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance

7/21/03

Examined by

Shyam M. Dussad