

**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 Materials and Equipment Acceptance (MEA) Division.

Richard C. Visconti, R.A., Acting Commissioner  
MEA 133-00-E

Report of Material and Equipment Acceptance Division

Manufacturer– Modine Manufacturing Company, 1500 Dekoven Avenue, Racine, Wisconsin 53403.

Trade Name – Modine, WeatherHawk.

Product – Gas fired duct furnaces.

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

Prescribed Tests– RS 14-6(ANSI Z83.9).

Laboratory – CSA International Laboratories.

Test Report(s) – CSA File No. 112654-104686 dated February 2, 2000.

Description – Self-contained power exhausted gas fired duct furnace/make up air unit designed to indirectly heat air via sheet metal heat exchanger mounted outdoors on rail type mounting base. Typically applied to HVAC systems for comfort heating and suitable for use in commercial or light industrial buildings. Available in 11 model sizes with input ranges from 75,000 to 400,000 (Btu/Hr) and operates on natural gas. Units are comprised of aluminized steel heat exchanger, aluminized steel burner with separator strip, power exhauster assembly, combination gas valve, intermittent pilot ignition system, and temperature limit control. Units, with model numbers and input heating ratings are listed below:

Model No.	Max.	Min.	No. of tubes and burners
HFP75	75,000	30,000	5
HFP100	100,000	40,000	6
HFP125	125,000	50,000	6
HFP150	150,000	60,000	8
HFP175	175,000	70,000	8
HFP200	200,000	80,000	8
HFP225	225,000	90,000	8
HFP250	250,000	100,000	10
HFP300	300,000	120,000	10
HFP350	350,000	140,000	14
HFP400	400,000	160,000	14

Notes: 1. Model numbers may have prefixes HBP, HPP or HCP.

2. Minimum installed clearances from combustible construction shall be as follows"

Top - 1"

Non-Access Side - 6"

Access Side - HFP75 - 18"; HFP100-125 - 20"; HFP150-175 - 25";  
HFP200-225 - 27"; HFP250-300 - 30"; HFP350-400 - 41".

Front & Rear - HFP75 - 3"; HFP100-125 - 3"; HFP150-175 - 3"; HFP200-  
225 - 4"; HFP250-300 - 5"; HFP350-400 - 11".

Left & Right Sides - 0"

For installation on combustible flooring.

May be installed downstream from a refrigeration system.

Recommendation - That the above described gas fired power vented duct furnaces designed for indoor installation, be accepted for use with natural gas only, under the following conditions:

1. If utilized for residence heating, the circulatory air system shall have (a) one register or grille without closable shutters and the duct leading thereto shall be without a damper or (b) dampers and shutters within the system shall be constructed or controlled so as to prevent closure beyond 80 percent of the gross duct area at all times.
2. If furnace is installed in combination with cooling system then heating/cooling system shall be MEA accepted.
3. This acceptance does not include any vent damper device, which may be added to the installation.
4. Provision for combustion air and ventilation air shall be made in accordance with Section 27-807 and other applicable Code requirements.
5. 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 those tested and accepted for use, as provided for in Section 27-131 of the Building Code.
6. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance JUN 28 2000

Examined By S. Dierfeldt