

**CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS**

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

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

**MEA 409-92-E Vol. II  
Report of Material and Equipment Acceptance Division**

**Manufacturer – Sterling Gas Fired Products, Div. of Mestek, Inc., 260 North Elm Street, Westfield, Massachusetts 01085.**

**Trade Name – Beacon/Morris.**

**Product – Gas fired duct furnaces.**

**Pertinent Code Sections – 27-800, 27-825, RS 14-2 (ANSI Z223.1).**

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

**Laboratory – CSA International Inc.**

**Test Report – CSA File 1172396 dated August 18, 2003.**

**Description – Gas fired, duct furnaces, BM (D,S) and BME (D,S) designed for commercial and industrial use for indoor installation. Unit comprises heat exchanger assembly, main burner, continuous ignition system, intermittent ignition system comprising pilot burner, igniter, electrode and flame sensor, combination gas pressure regulator and induced draft assembly. Units are provided with temperature limit control set at 180 degrees Fahrenheit, maximum. Units, with model numbers and input heating ratings, are listed below:**

<b>Model Number</b>	<b>Input Rate</b>
BM (D,S) and BME (D,S) 100	100,000
BM (D,S) and BME (D,S) 125	125,000
BM (D,S) and BME (D,S) 150	150,000
BM (D,S) and BME (D,S) 175	175,000
BM (D,S) and BME (D,S) 200	200,000
BM (D,S) and BME (D,S) 225	225,000
BM (D,S) and BME (D,S) 250	250,000
BM (D,S) and BME (D,S) 300	300,000
BM (D,S) and BME (D,S) 350	350,000
BM (D,S) and BME (D,S) 400	400,000

- Notes:
1. All models may have suffix M indicating minimum input rating 50% of the normal altitude ratings.
  2. Units shall be installed as suspended appliance with the following minimum clearances in combustible construction: top- 6 inches; flue - 6 inches; sides - 6 inches; bottom - 21 inches.

Recommendation - That the above described duct furnaces be accepted for indoor installation with minimum clearances given above, when using 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 a cooling system, then the cooling system must be MEA accepted.
3. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.
4. 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 are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance JAN 30/04

Examined by S Derkshon