

**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.

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

**MEA 84-02-E
Report of Material and Equipment Acceptance Division**

Manufacturer – York International Corporation, P.O. Box 19014, Wichita 67204-9014.

Trade Name(s) – York, Luxaire, Fraser-Johnston, Coleman, Evcon, Basis, Custom, Choice.

Product – Gas fired furnaces.

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

Prescribed Test(s) - RS 14-6 (ANSI Z21.27).

Laboratory – CSA International.

Test Report(s) – No. 169849-1005149 dated October 30, 1998.

Description – Gas fired forced air furnaces, designed for indoor installation only.

Unit comprises main burners, heat exchanger assembly, temperature limit control, induced draft system, and ignition system which includes hot surface ignition, an igniter, a flame sensor, pressure regulator and manual valve. Units, with model numbers and input rating capacities are listed below.

Units approved and their rating are as follows:

Character	RESIDENTIAL MODELS:
G	G= Natural gas
8	Nominal Efficiency = 80% AFUE
C	Design type C= Clam tube heat exchanger
050	Input x 1000Btu/h
12	Cooling Airflow: CFM x 100
MU	Type of Unit: MU = Multiposition assembled as upflow
MD	MD = Multiposition assembled as downflow
UH	UH = Up flow / Horizontal
B,C,D	Casing size (width) B=17-17.5", C=20-21", D=23-24.5"
1	Voltage Code 1 = 115 VAC, 60 Hz
1	Generation level 1= first release, etc.
*	Alpha suffix letter from A to Z denoting a customer variation

FG 8 B 050 12 MU 11+

Character	RESIDENTIAL MODELS:
F	Gas Furnace
G	G= Natural gas
8	Nominal Efficiency = 80%
B,C,D	Casing size (width) B=17-17.5", C=20-21", D=23-24.5"
050	Input x 1000Btu/h
12	Cooling Airflow: CFM x 100
MU	Airflow Direction Type MU= Multiposition assembled as upflow
UH	UH= Up flow / Horizontal
1	Voltage Code 1= 115 VAC, 60Hz.
1	Generation level 1= first release, etc.
*	Alpha suffix letter from A to Z denoting a customer variation

Trade Name: COLEMAN-EVCON

G8C05012(MU,MD)B11+	50,000
G8C07512(MU,MD)B11+	75,000
G8C07516(MU,MD)C11+	75,000
G8C10016(MU,MD)C11+	100,000
G8C10020(MU,MD)D11+	100,000
G8C12520(MU,MD)D11+	125,000
G8C15020(UH)D11+	150,000

Trade Names: BASIS, CUSTOM, CHOICE

FG8B05012MU11A	50,000
FG8B07512MU11A	75,000
FG8C07516MU11A	75,000
FG8C10016MU11A	100,000
FG8D10020MU11A	100,000
FG8D12520MU11A	125,000
FG8D15020UH11A	150,000

GAS PRESSURES

The manifold pressure is 3.5 in. w.c on natural gas

The minimum supply pressure is 5.0 in. w.c. on natural gas

ELECTRICAL RATINGS

115 Volts; less than 12.0 Amps; 60 Hz

INSTALLATION CLEARANCES (Upflow or Horizontal)

For indoor installation in an alcove or closet with the following minimum clearances to combustible construction:

A -	Top	1 in.
B -	Front	2 in.
C -	Flue	6 in.
D -	Back	0 in.
EL-	Left Side	1 in.
ER-	Right Side	1 in.
F -	Floor	Combustible

Recommendation - That the above described direct vent forced air furnaces, be accepted for indoor installation with minimum clearances given above, when using natural gas only, under the follows 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 cooling system must be MEA accepted.
3. This acceptance does not include any vent damper device, which may be added to the installation.
4. All shipments and deliverers 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.
5. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance 6/20/02

Examined by Supan M. Javed