

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 82-02-E

Report of Material and Equipment Acceptance Division

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

Trade Name(s) – York, Airpro, Coleman, Coleman-Evcon.

Product – Gas fired furnaces.

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

Prescribed Test(s) - RS 14-6 (ANSI Z21.47).

Laboratory – CSA International.

Test Report(s) – No. 169849-1103209 dated November 7, 2001.

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

Units 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 ratings are model nos. P*DN (A,B,C,D),G8D, P*DD (A,B,C), (G,L)8T Series.

MODEL NUMBER BREAKDOWN

Character	Description
P	Product Category: P = Furnace
1	Product Generation: 1 = First
4	Product Generation: 4 = Fourth
DN	Product Identifier: Down-flow, Non-Condensing
DD	Product Identifier: Down-flow , Deluxe 2 stage, Non-Condensing
X	Cabinet Size: A = 14-1/2", B = 17-1/2", C = 21", D = 24-1/2"
00	Cooling Airflow: CFM x 100
N, L	Type of Gas: N = Natural ; L= Low Nox version.
000	Nominal Output (MBTUH)
01	Voltage Code
*	Alpha Suffix Letter from A-Z denotes customer variations

Character	Description
G	Product Category: G = Furnace
8	Efficiency: 8 = 80%
T D	Design Type: T = Tubular D = Deluxe (2 Stage)
000	Nominal Input (MBTUH)
00	Cooling Airflow: CFM x 100
DN	Product Identifier D = Downflow, Non-Condensing, N = Natural Gas
X	Cabinet Size: A = 14-1/2", B = 17-1/2", C = 21", D = 24-1/2"
1	Voltage Code:
1	Product Generation: 1 = First
*	Alpha Suffix Letter from A-Z denotes customer variations

INPUT RATING - BTU PER HOUR

Trade Name: York Diamond 80 Series

<u>Model Number</u>	<u>Max Input</u>	<u>Minimum Input</u>
P4DNA08(N,L)03201*	40,000	
P4DNA12(N,L)04801*	57,000	
P4DNA12(N,L)06401*	80,000	
P4DNB16(N,L)06401*	80,000	
P4DNB12(N,L)08001*	100,000	
P4DNC20(N,L)08001*	100,000	
P4DNC16(N,L)09201*	115,000	
P4DNC20(N,L)09201*	115,000	
P4DND20(N,L)10401*	130,000	

Trade Name: Fraser-Johnson, Luxaire, Coleman-Evcon, AirPro, Coleman

(G,L)8T04012DNA11*	40,000
(G,L)8T06012DNA11*	57,000
(G,L)8T08012DNA11*	80,000
(G,L)8T08016DNB11*	80,000
(G,L)8T10012DNB11*	100,000
(G,L)8T10020DNC11*	100,000
(G,L)8T11520DNC11*	115,000
(G,L)8T13020DND11*	130,000

Trade Name: York

P1DDA12N04801*	57,000	42,000
P1DDA12N06401*	80,000	59,000
P1DDB16N06401*	80,000	59,000
P1DDB12N08001*	100,000	65,000
P1DDC20N09601*	120,000	78,000

Trade Name: Fraser-Johnson, Luxaire, Coleman-Evcon, AirPro, Coleman

G8D06012DNA11*I	57,000	42,000
G8D08012DNA11*	80,000	59,000
G8D08016DNB11*	80,000	59,000
G8D10012DNB11*	100,000	65,000
G8D12020DNC11*	120,000	78,000

* Alpha suffix letter from A-Z denoting customer variation

GAS PRESSURES

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

The low fire manifold pressure is 1.5 in. w.c. on natural gas

The minimum supply pressure is 4.5 in. w.c. on natural gas (single stage units)

The maximum supply pressure is 13.9 in. w.c. on natural gas (single stage units)

115 Volts; 60 Hz ; 1 phase; 12.0 Amps (1/2 or 3/4 HP) or 14.0 Amps (1.0 HP) or 9 Amp. (less than 1/2 HP)

INSTALLATION CLEARANCES

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

Downflow

A -	Top	1 in.
B -	Front	6 in.
C -	Vent	6 in.
D -	Back	0 in.
EL-	Left Side	0 in.
ER-	Right Side	3 in.
F -	Floor	1 in. (Special floor base (or A/C coil)required for use on combustible floors
G-	Line Contact	No

Downflow with B-Vent

A -	Top	1 in.
B -	Front	3 in
C -	Vent	1 in.
D -	Back	0 in.
EL-	Left Side	0 in.
ER-	Right Side	0 in.
F -	Floor	1 in. (Special floor base (or A/C coil)required for use on combustible floors
G-	Line Contact	No

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. No automatic flue damper device shall be installed in conjunction with these units.
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 Shymon. Prasad