

**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 83-02-E**

**Report of Material and Equipment Acceptance Division**

Manufacturer – York International Corporation, P.O. Box 19014, Wichita 67204-9014.  
Trade Name(s) – Luxaire, Fraser-Johnston, Coleman, Coleman-Evcon, York, Airpro, Choice, Custom.

Product – Gas fired furnaces.

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

Prescribed Test(s) - RS 14-6 (ANSI Z21.64).

Laboratory – CSA International.

Test Report(s) – No. 169849-1017529 dated November 7, 2001.

Description – Gas fired forced air furnaces, designed for indoor installation only.  
Unit consists of induced draft system, a direct drive blower assembly, main burner, aluminized steel heat exchanger assembly and secondary heat exchanger, an intermittent ignition system comprising flame sensor, spark igniter, ignition module and combination gas pressure regulator. They are provided with temperature limit control.

**PRODUCT COVERED:**

P\*DU(A,B,C), FL8(A,B,C), G8(D,V), L8(D,V), P\*HU(A,B,C,D), (G,L)8T, multi-position non-condensing gas-fired forced air furnaces.

Character	Description
G, L	Product Category: G = Furnace L = Low Nox
8	Efficiency: 8 = 80% (Non-Condensing)
T D V	Design Type: T = Tubular D = Deluxe (2 Stage) V = Variable Speed Blower
000	Nominal Input (MBTUH)
00	Cooling Airflow: CFM x 100
UH	Unit Type: UH = Up flow / Horizontal
X	Cabinet Size: A = 14-1/2, B = 17-1/2, C = 21, D = 24-1/2
1	Voltage Code: 1 = 115/1/60
1	Product Generation: 1 = First
*	Alpha Suffix Letter from A-Z denotes customer variations

Character	Description
F	Product Category: F = Furnace
L	Type of Gas: L = Low Nox Version (Natural Gas Only)
8	Efficiency: 8 = 80% (Non-Condensing)
X	Cabinet Size: A = 14-1/2, B = 17-1/2, C = 21, D = 24-1/2
000	Nominal output (MBTUH)
00	Cooling Airflow: CFM x 100
UH	Unit Type: UH = Up flow / Horizontal
1	Voltage Code: 1 = 115/1/60
1	Product Generation: 1 = First
*	Alpha Suffix Letter from A-Z denotes customer variations

## MODEL NUMBER BREAKDOWN

Character	Description
P	Product Category: P = Furnace
4	Product Generation: 4 = Fourth
HU	Product Identifier: HU = Upflow, 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
P	Product Category: P = Furnace
1	Product Generation: 1 = First
2	Product Generation: 2 = Second
DU	Product Identifier: DU = Up flow, Non-Condensing, Deluxe (2 Stage)
X	Cabinet Size: A = 14-1/2, B = 17-1/2, C = 21, D = 24-1/2
00	Cooling Airflow: CFM x 100
N,V,L	Type of Gas: N = Natural; V= Variable speed blower; L = Low NOx
000	Nominal Output (MBTUH)
01	Voltage Code
L	Both Lox-Nox and Variable Speed
*	Alpha Suffix letter from A-Z denotes customer variations

INPUT RATING - BTU PER HOUR

**Trade Name: York - (P1DU) Luxaire / Fraser-Johnson / Coleman-Evcon / Coleman / AirPro – (L8D) (G8D)(G8V)**

<u>Model Number</u>	<u>Maximum</u>	<u>Minimum</u>
P1DUA12N04801* P1DUA12L04801*	57,000	42,000
L8D06012UHA11*G8D06012UHA11*	57,000	42,000
P1DUA12N06401* P1DUA12V06401*	80,000	59,000
P1DUB16N06401* P1DUA12L06401*	80,000	59,000
L8D08012UHA11* P1DUB16L06401*	80,000	59,000
L8D08016UHB11*G8V08012VHA11*	80,000	59,000
G8D08012UHA11*G8D08016UHB11*	80,000	59,000
P2DUA12V06401L L8V08012UHA11	80,000	59,000
P1DUB12N08001*P1DUC20V08001*	100,000	65,000
P1DUC20N08001*P1DUC20L08001*	100,000	65,000
L8D10020UHC11*P1DUB16V08001*	100,000	65,000
G8D10012UHB11*G8D10020UHC11*	100,000	65,000
G8V10016UHB11*G8V10020UHC11*	100,000	65,000
P2DUB16V08001L L8V10016UHB11	100,000	65,000
P2DUC20V08001L L8V10020UHC11	100,000	65,000
P1DUC16N09601*P1DUC20N09601*	120,000	78,000
P1DUC20V09601*P1DUC20L09601*	120,000	78,000
L8D12020UHC11*G8V12020UHC11*	120,000	78,000
G8D12016UHC11*G8D12020UHC11*	120,000	78,000
P2DUC20V09601L L8V12020UHC11	120,000	78,000

L8D Series Models are Low Nox Construction and Natural Gas Usage Only

- \*Alpha Suffix Letter from A-Z denotes customer variations
- The P1DU models with the variable speed blowers, denoted with suffix "V" for Natural Gas

**Trade Name: York**

P4HUA12N03201* P4HUA12L03201*	40,000
P4HUA12N04801* P4HUA12L04801*	57,000
P4HUA12N06401* P4HUA12L06401*	80,000
P4HUB16N06401* P4HUB16L06401*	80,000
P4HUC20N06401* P4HUC20L06401*	80,000
P4HUB12N08001* P4HUB12L08001*	100,000
P4HUB16N08001* P4HUB16L08001*	100,000
P4HUC20N08001* P4HUC20L08001*	100,000
P4HUC16N09201* P4HUC16L09201*	115,000
P4HUC20N09201* P4HUC20L09201*	115,000
P4HUD20N10401* P4HUD20L10401*	130,000

P4HU models using the letter: L: - Identifies Low Nox construction, these models are natural gas usage only.

- Alpha Suffix Letter from A-Z denotes customer variations
- Model Designation letter "L" Low-Nox.

**Trade Name: Custom / Choice / Basis, Basis by Luxaire / Choice by York  
Custom – Evcon**

FL8A04012UH12*	40,000
FL8A06012UH12*	57,000
FL8A08012UH12* FL8B08016UH12*	80,000
FL8B10016UH12* FL8C10020UH12*	100,000
FL8C11520UH12*	115,000

All "FL" models use Natural Gases only.

All "FL" models have Low-Nox construction (Prefix "L") and are for use on Natural Gas only

\*Last digit of suffix letter (a-z) indicates customer variations.

**Trade Name: Fraser-Johnston, Luxaire, Coleman – Evcon, Airpro Coleman**

(G,L)8T04012UHA11* L8T04012UHA11*	40,000
(G,L)8T06012UHA11* L8T06012UHA11*	57,000
(G,L)8T06012UHA11*L8T06012UHA11*	80,000
(G,L)8T0812UHA11*L8T08012UHA11*	80,000
(G,L)8T08016UHB11*L8T08016UHB11*	80,000
(G,L)8T08020UHC11*	
(G,L)8T10012UHB11*	100,000
(G,L)8T10016UHB11*8T10016UHB11*	100,000
(G,L)8T10020UHC11*L8T10020UHC11*	100,000
(G,L)8T11516UHC11*	115,000
(G,L)8T11520UHC11*L8T11520UHC11*	115,000
(G,L)8T13020UHD11*	130,000

- Alpha Suffix Letter from A-Z denotes customer variations

## ELECTRICAL RATINGS

For single stage/ two 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)

For variable speed units:

115 Volts; 60 Hz; 1 phase; 7.5/2.0 amps or 14.5/2.0 amps or 14.5/3.0 amps.

## INSTALLATION CLEARANCES

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

### (Upflow )

A -	Top	1 in.
B -	Front	6 in.
C -	Flue	6 in.
D -	Back	0 in.
EL-	Left Side	0 in.
ER-	Right Side	3 in.
F.-	Floor	Combustible
G-	Line Contact	No

### (Upflow with B-Vent)

A -	Top	1 in.
B -	Front	3 in
C -	Flue	1 in.
D -	Back	0 in.
EL-	Left Side	0 in.
ER-	Right Side	0 in.
F -	Floor	Combustible
G-	Line Contact	No

(Horizontal)

A -	Top	1 in.
B -	Front	6 in.
C -	Flue	6 in.
D -	Back	0 in.
EL-	Left Side	0 in.
ER-	Right Side	3 in.
F -	Floor	Combustible
G-	Line Contact	Yes

(Horizontal with B-Vent)

A -	Top	1 in.
B -	Front	3 in
C -	Flue	1 in.
D -	Back	0 in.
EL-	Left Side	0 in.
ER-	Right Side	0 in.
F -	Floor	Combustible
G-	Line Contact	Yes

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 Suzanne M. Massey