## NOTES:

1. If the furnace is equipped with NOx screens and is to be used with LP (propane) gas, the screens must be removed prior to start-up.
2. Drip leg in the gas line must be installed.
3. The furnace controls require correct polarity on the power supply and a proper ground.
4. Y & G must be connected to the control board for cooling operation.
5. External filters required on all configurations.
6. Electrical or gas entry is available on both casing sides.
7. To measure total static pressure add supply duct pressure to the return duct pressure, add pressure drop across the 'A' coil, and add pressure drop across the filter. Ignore negative signs on the readings.
8. Inlet gas pressure for natural gas should be 7" and for propane should be 11" w.c. Nominal manifold gas pressure is 3.5" for natural gas and 10" w.c. for propane at max. input.
9. For downflow application the vent blower must be rotated 90 left or right as shown.

| Models | Airflow CFM (Bottom Return without Filters) 0.5" ESP (Nominal)# | | | | Minimum Wire Size awg @ 75' One-Way | Maximum Over Current Protection |
|---|---|---|---|---|---|---|
| | *L-A** | *ML-A** | *MH-A** | *H-B** | | |
| (T,Y,C,L)P9C060B12MP12C | 600 | 690 | 1000 | 1305 | 14 | 15 |
| (T,Y,C,L)P9C080B12MP12C | 600 | 680 | 1000 | 1290 | 14 | 15 |
| (T,Y,C,L)P9C080C16MP12C | 850 | 905 | 1175 | 1670 | 14 | 15 |
| (T,Y,C,L)P9C100C16MP12C | 870 | 910 | 1160 | 1655 | 14 | 15 |
| (T,Y,C,L)P9C100C20MP12C | 960 | 1155 | 1605 | 2215 | 12 | 20 |
| (T,Y,C,L)P9C120D20MP12C | 960 | 1160 | 1595 | 2180 | 12 | 20 |

| Models | Input Rate | | Total Unit Amps | Air Temp. Rise Max Input °F | Air Temp. Rise Min Input °F | Time For 1 $ft^3$ Natural Gas (1030 Btu/$Ft^3$) Seconds (On Max. Rate) |
|---|---|---|---|---|---|---|
| | Max | Min | | | | |
| (T,Y,C,L)P9C060B12MP12C | 60,000 | 21,000 | 7.0 | 40-70 | 20-50 | 62 |
| (T,Y,C,L)P9C080B12MP12C | 80,000 | 28,000 | 7.5 | 40-70 | 20-50 | 46 |
| (T,Y,C,L)P9C080C16MP12C | 80,000 | 28,000 | 10.0 | 40-70 | 20-50 | 46 |
| (T,Y,C,L)P9C100C16MP12C | 100,000 | 35,000 | 10.0 | 40-70 | 20-50 | 37 |
| (T,Y,C,L)P9C100C20MP12C | 100,000 | 35,000 | 12.0 | 45-75 | 25-55 | 37 |
| (T,Y,C,L)P9C120D20MP12C | 120,000 | 42,000 | 12.0 | 45-75 | 25-55 | 30 |

#Other airflows are available. see Tech guide for all CFM options.
* Cool Tap
** Adjust Tap

## LED INDICATOR

| Indication | Condition |
|---|---|
| Slow Green Flash | Normal operation in standby mode. |
| Slow Amber Flash | Normal operation with call for cooling. |
| Two Amber Flashes | Normal operation with call for heat. |
| Three Amber Flashes | Normal operation, burner is on at end of thermostat cycle. |
| Six Amber Flashes | Normal operation with call for heat pump heating. |
| Any Red Flash | Fault condition. |

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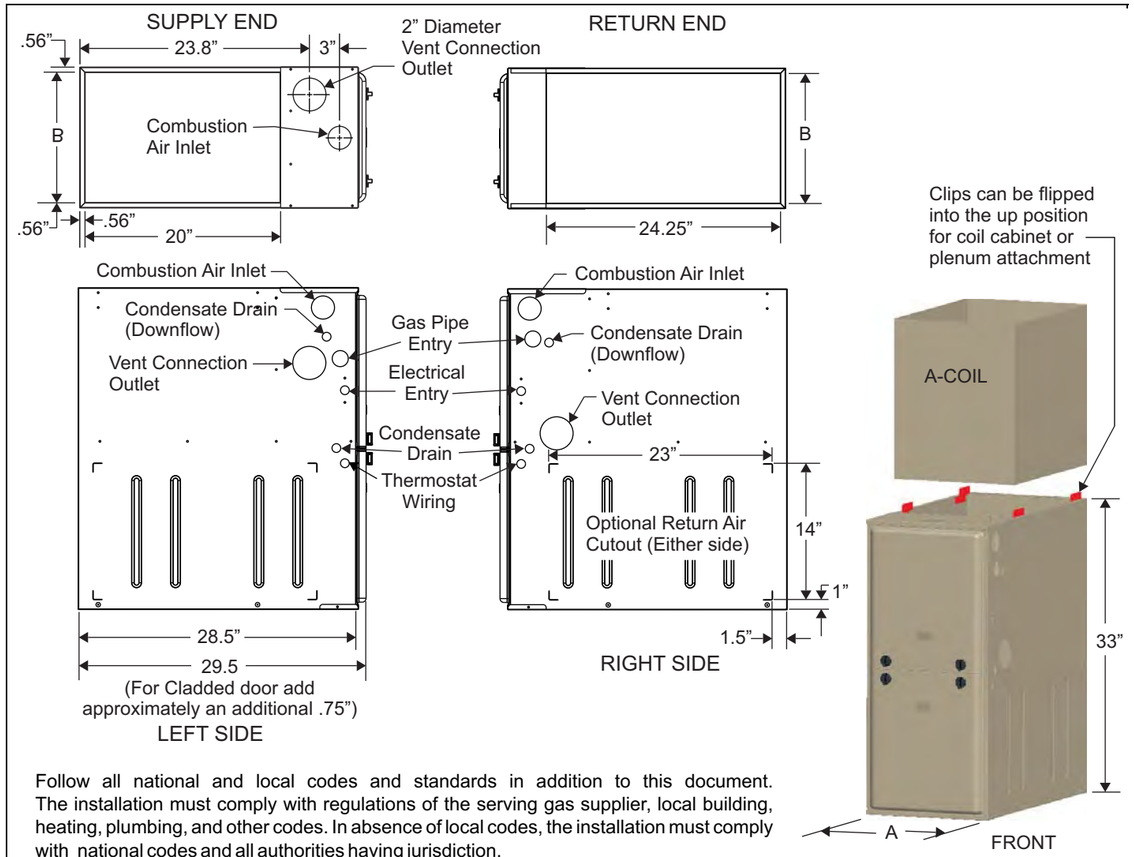
1083298-URG-A-0114
Supersedes: 531519-URG-B-0413

**York International Corp.**
**5005 York Drive**
**Norman, OK 73069**

# QUICK REFERENCE GUIDE

## UP TO 98% MODULATING ECM MULTI-POSITION RESIDENTIAL GAS FURNACES (33" TALL)

**This document does not replace the installation instructions, which must be referred to for detailed information.**




Follow all national and local codes and standards in addition to this document. The installation must comply with regulations of the serving gas supplier, local building, heating, plumbing, and other codes. In absence of local codes, the installation must comply with national codes and all authorities having jurisdiction.

| DIMENSIONS: | Cabinet Size | A (in) | B (in) |
|---|---|---|---|
| | All 'B' Cabinet Furnaces | 17-1/2" | 16-3/8" |
| | All 'C' Cabinet Furnaces | 21" | 19-7/8" |
| | All 'D' Cabinet Furnaces | 24-1/2" | 23-3/8" |

**CLEARANCES:** All furnaces approved for alcove and attic installation.

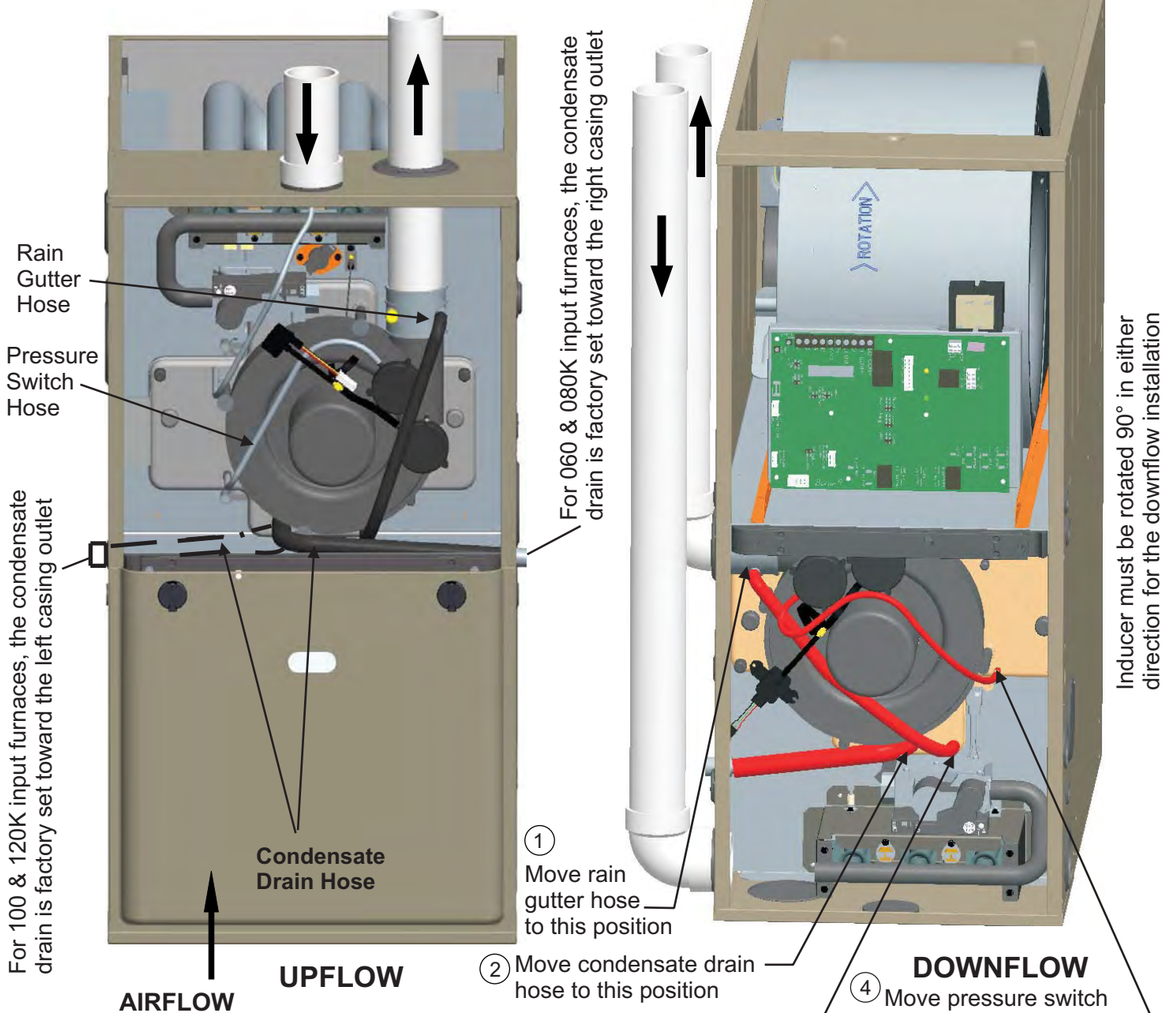
| Application | Upflow | Downflow | Horizontal |
|---|---|---|---|
| Top | 1" | 0" | 0" |
| Vent | 0" | 0" | 0" |
| Rear | 0" | 0" | 0" |
| Side | 0" | 0" | 1" |
| Front* | 0" | 0" | 0" |
| Floor | Combustible | Combustible† | Combustible |
| Closet | Yes | Yes | Yes |
| Line Contact | No | No | Yes |

*. 24" clearance in front and 18" on side recommended for service access.
†. For combustible floors only when used with special sub-base.

MOST COMMON INSTALLATION CONFIGURATIONS (MORE OPTIONS AVAILABLE WITH INDUCER ROTATION, WHICH IS COVERED IN THE INSTALLATION MANUAL)

**MULTI-POSITION CONFIGURATION INFORMATION:**

Ensure that all PVC venting has at least 1/4” per foot slope towards the furnace.
Furnace is multi-position and may be installed in any of the configurations shown.
The furnace condensate pan is self priming and contains an internal trap.
**Do not install an external condensate trap**.
When drain hose routing changes are required (shown in red), be sure to cap all unused openings.
If rerouting hoses - excess length should be cut off so that no sagging loops will collect and hold condensate, which will cause the furnace to not operate.




**In upflow and downflow installation - Condensate drain hose may go out either side.**

