NOTES:

1. Refer to the condensate management and drain hose plumbing for different configurations in this document. No hose clamps are needed for the condensate pan hook 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. 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.
6. Inlet gas pressure should be 7" w.c. for natural gas and 11" w.c. for propane. Nominal manifold gas pressure is 3.5" w.c. for natural gas and 10" w.c. for propane at max. input.
7. If thermoplastic evaporator 'A' coil drain pans are to be installed in the up-flow/horizontal configuration, then extra 2" minimum spacing may be needed to ensure against drain pan distortion.
8. External filters required on all configurations.
9. Electrical entry is available on both sides of the casing.
10. All 33", 95% furnaces are approved for single-pipe and 2-pipe systems. For single pipe systems it is recommended to install the combustion air coupling provided and install approximately 18" of PVC pipe on the furnace.
11. Do not install an external condensate trap on these furnaces, as it will prevent the unit from operating correctly.

Models	Airflow CFM (Bottom Return without Filters) 0.5" ESP (Nominal)				Minimum Wire Size awg @ 75' One-Way	Total Unit Amps	Maximum Over Current Protection
	Low	Med-Low	Med-High	High			
TM9E040A10MP11	620	770	1040	1100	14	9.5	15
TM9E060B12MP11	398	599	1010	1197	14	9.5	15
TM9E080B12MP11	403	657	1024	1221	14	9.5	15
TM9E080C16MP11	457	988	1404	1558	14	9.5	15
TM9E100C16MP11	464	1015	1414	1570	14	9.5	15
TM9E100C20MP11	660	1170	1629	1989	14	10.9	15
TM9E120D20MP11	671	1189	1659	2036	14	10.9	15

Models	Maximum Vent Equivalent [1]			Factory Heating Speed Setting [2]	Temperature Rise Range	Time For 1 ft^3 Natural Gas (1030 Btu/Ft^3) Seconds On (Rate)
	2"	3"	4"			
TM9E040A10MP11	65'	90'	150'	High	45°F-75°F	92
TM9E060B12MP11	65'	90'	150'	High	40°F-70°F	62
TM9E080B12MP11	65'	90'	150'	High	50°F-80°F	46
TM9E080C16MP11	65'	90'	150'	High	40°F-70°F	46
TM9E100C16MP11	30'	90'	150'	High	45°F-75°F	37
TM9E100C20MP11	30'	90'	150'	High	50°F-80°F	37
TM9E120D20MP11	30'	90'	150'	High	50°F-80°F	30

1. For venting purposes, one 90° sweep elbow is equal to 5 ft. of venting length, one 90° standard elbow is equal to 10 equivalent feet of vent length. Vent termination elbows are not included in these calculations, minimum required vent length is 15 ft.
2. Must be changed if not in rise range.

LED INDICATOR

Indication	Condition
Slow Green Flash	Normal operation.
Slow Amber Flash	Normal operation with call for heat.
Any Red Flash	Fault condition.
Any Rapid Flash	Potential fault codes / conditions.

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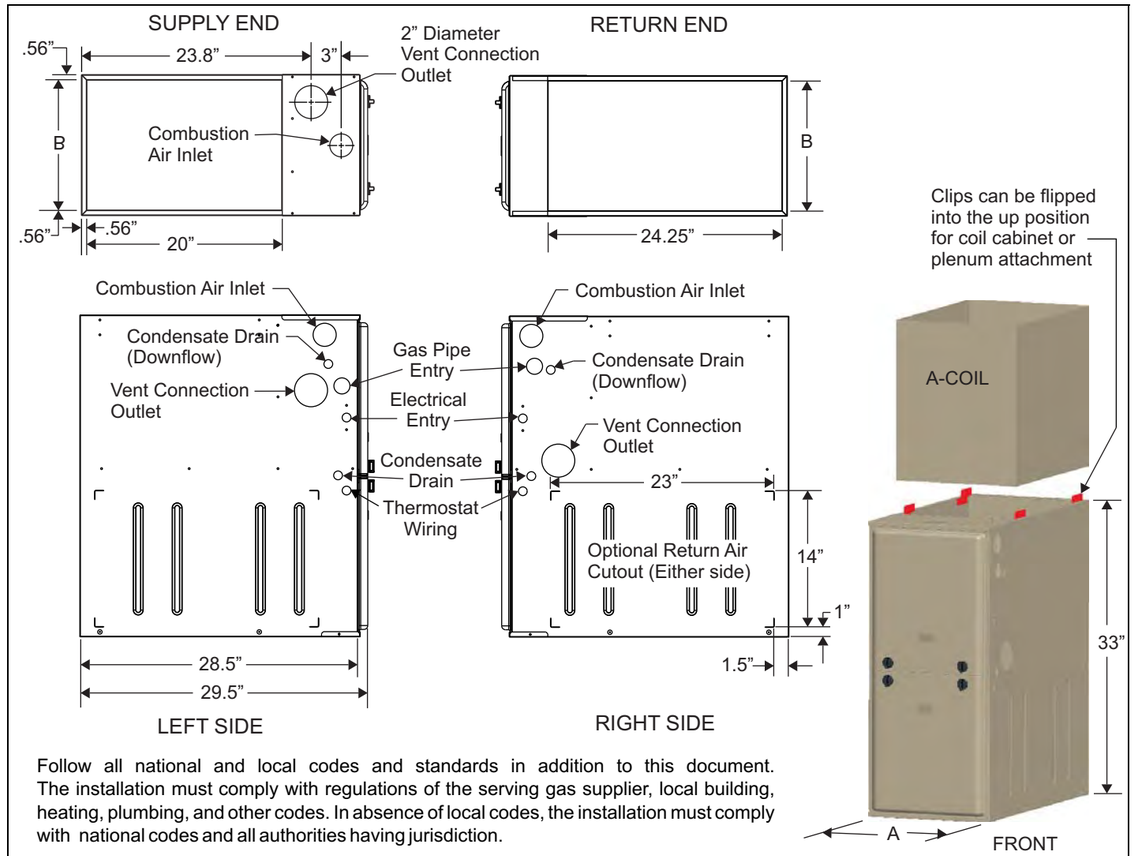
1104909-URG-A-0214
Supersedes: 1083300-URG-A-0114

York International Corp.
5005 York Drive
Norman, OK 73069

QUICK REFERENCE GUIDE

95% STANDARD ECM SINGLE STAGE 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.

	Cabinet Size	A (in)	B (in)
DIMENSIONS:	All 'A' Cabinet Furnaces	14-1/2"	13-3/8"
	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.

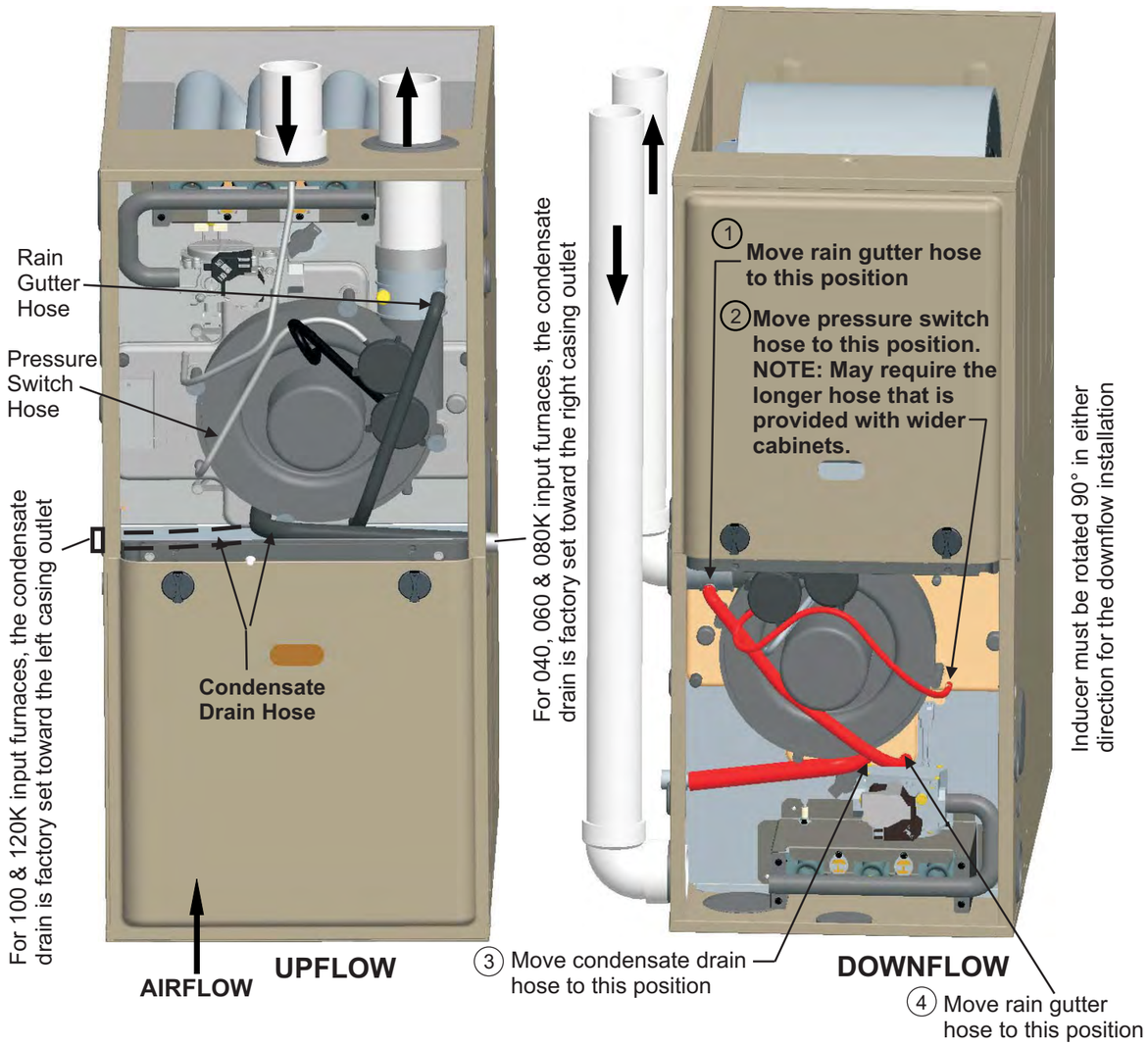
Application	Upflow	Downflow	Horizontal
Top	1"	0"	0"
Vent	0"	0"	0"
Rear	0"	0"	0"
Side	0"	0"	1"
Front[1]	0"	0"	0"
Floor	Combustible	Combustible[2]	Combustible
Closet	Yes	Yes	Yes
Line Contact	No	No	Yes

1. 24" clearance in front and 18" on side recommended for service access.
2. For combustible floors only when used with special subbase.

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.

