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 for natural gas should be 7" and that for propane should be 11" w.c. Nominal manifold gas pressure is 3.5" for natural gas and 10" w.c. for propane at high fire and 1.6" for Natural gas and 4.0" for Propane on low fire.
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	Maximum Over Current Protection
	Low	Med-Lo	Med-Hi	High		
TM9T060B12MP11	713	872	1082	1243	14	15
TM9T080B12MP11	854	1008	1179	1370	14	15
TM9T080C16MP11	838	1250	1465	1671	14	15
TM9T100C16MP11	819	1224	1477	1706	14	15
TM9T100C20MP11	1183	1430	1712	1934	12	20
TM9T120D20MP11	1190	1430	1739	1977	12	20

Models	Input Rate		Total Unit Amps	Air Temp. Rise Max Input °F	Air Temp. Rise Min Input °F	Time For 1 ft³ Natural Gas (1030 Btu/Ft³) Seconds (On Max. Rate)
	Max	Min				
TM9T060B12MP11	60,000	39,000	10.0	35 - 65	35 - 65	62
TM9T080B12MP11	80,000	52,000	10.0	45 - 75	20 - 50	46
TM9T080C16MP11	80,000	52,000	11.5	45 - 75	25 - 55	46
TM9T100C16MP11	100,000	65,000	11.5	35 - 65	35 - 65	37
TM9T100C20MP11	100,000	65,000	17.0	45 - 75	20 - 50	37
TM9T120D20MP11	120,000	72,000	17.0	45 - 75	35 - 65	31

† Other airflows are available. see Tech Guide for all CFM options.

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 4 Flashes	Potential fault codes / conditions.

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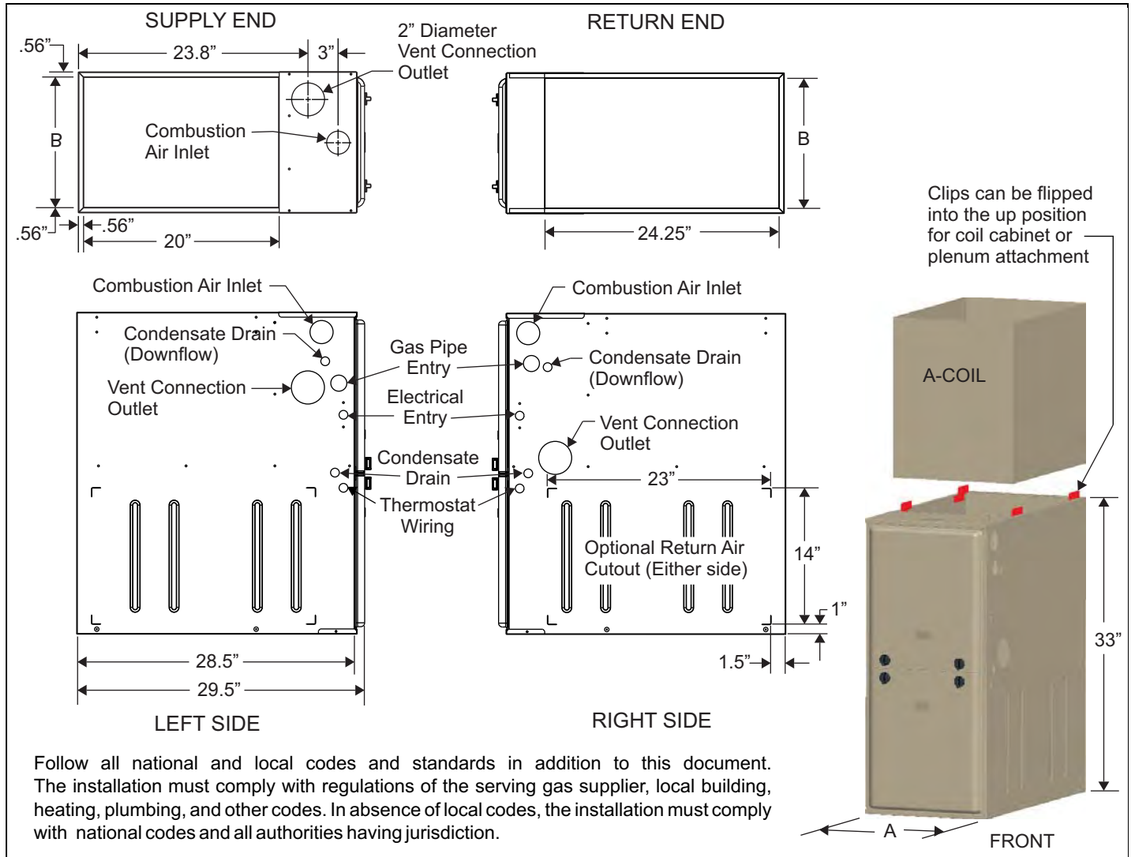
1083297-URG-A-0114
Supersedes: 505310-URG-C-0413

York International Corp.
5005 York Drive
Norman, OK 73069

QUICK REFERENCE GUIDE

96% TWO STAGE PSC 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.

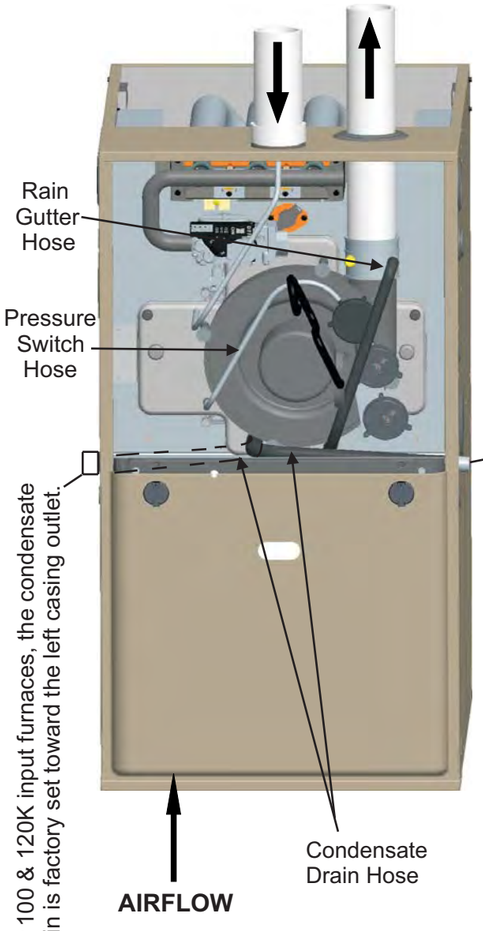
Application	Upflow	Downflow	Horizontal
Top	1"	0"	0"
Vent	0"	0"	0"
Rear	0"	0"	0"
Side	0"	0"	1"
Front[1]	0"	0"	0"
Floor	Combustible	Combustible[2]	Combustible
Closet	Yes	Yes	Yes
Line Contact	No	No	Yes

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

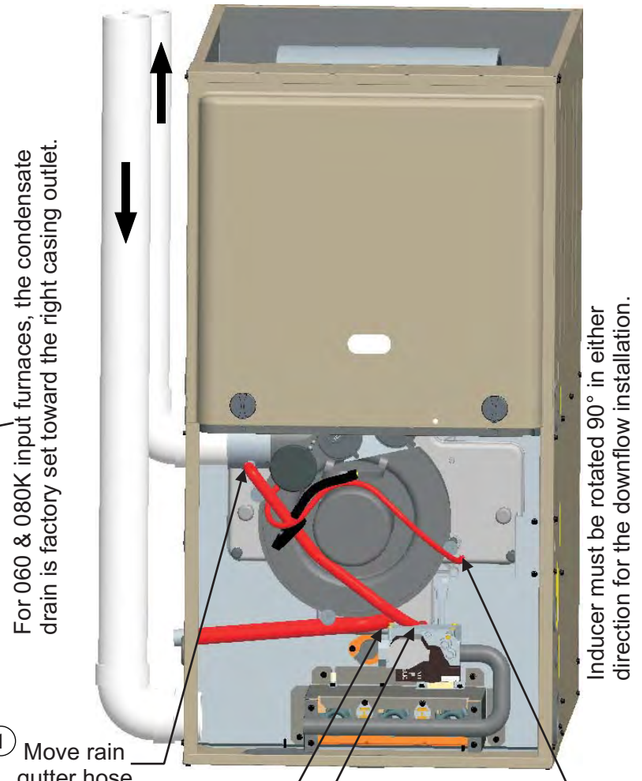
MOST COMMON INSTALLATION CONFIGURATIONS (MORE OPTIONS AVAILABLE WITH INDUCER ROTATION, WHICH IS COVERED IN THE INSTALLATION MANUAL)

MULTI-POSITION CONFIGURATION INFORMATION:

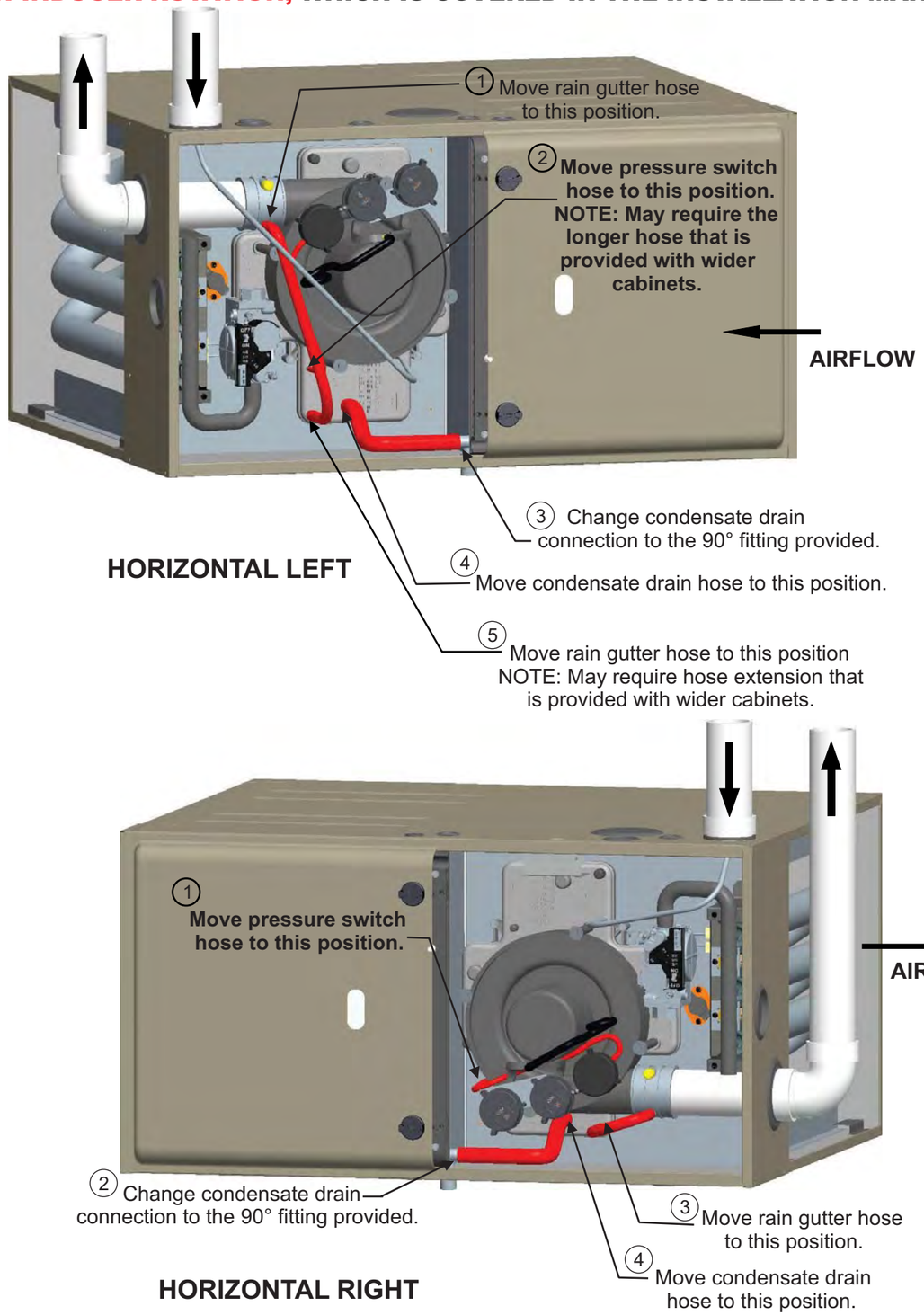
Ensure that all PVC venting has at least 1/4” per foot slope towards the furnace.
Furnace is multi-position and may be installed in any of the configurations shown.
The furnace condensate pan is self priming and contains an internal trap.
Do not install an external condensate trap.
When drain hose routing 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.



UPFLOW



DOWNFLOW



HORIZONTAL LEFT

HORIZONTAL RIGHT

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