

# QUICK REFERENCE GUIDE

## 95.5% SINGLE STAGE MULTI-POSITION (shipped in downflow configuration) MANUFACTURED HOUSING GAS FURNACES (33" TALL)

### NOTES:

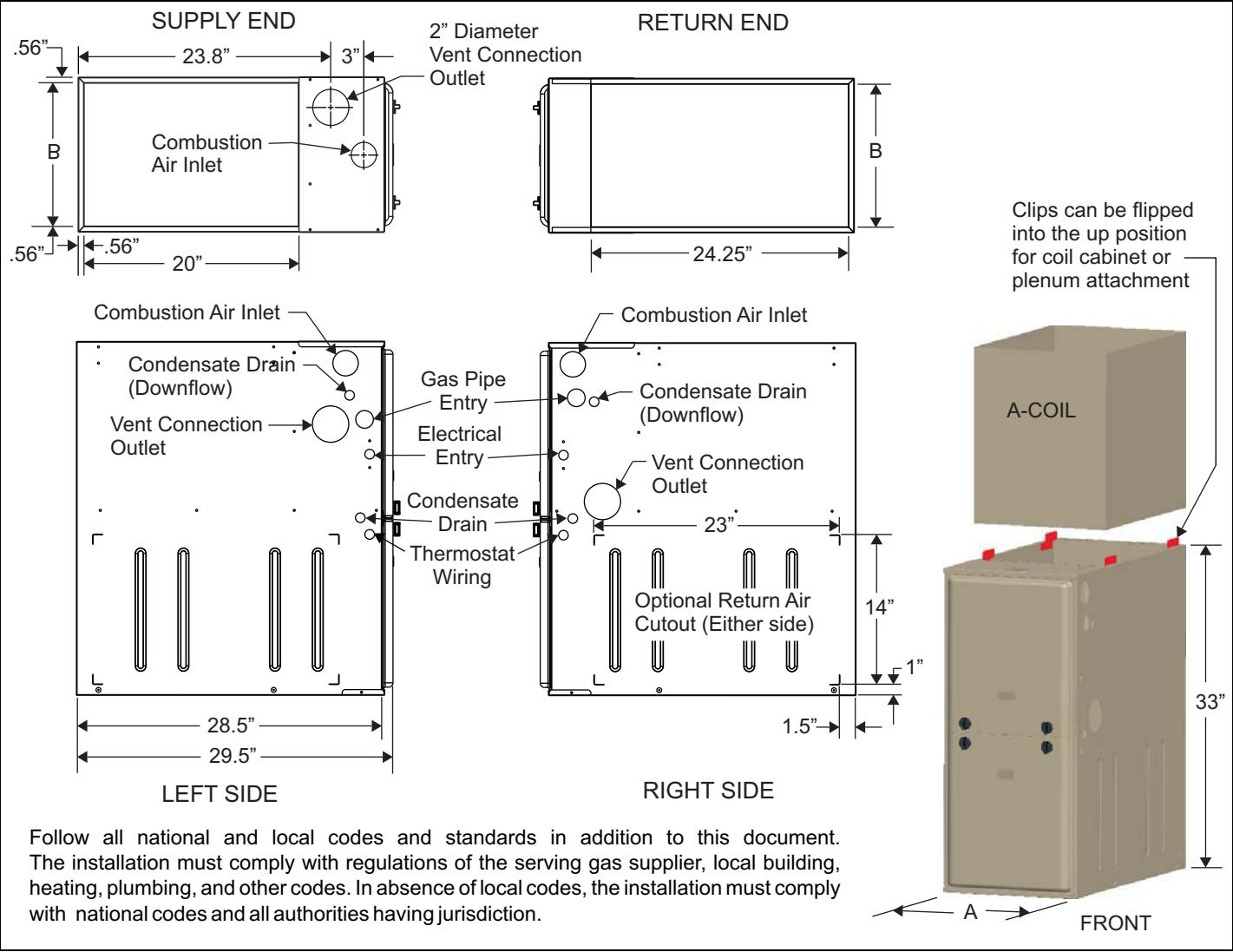
1. Refer to the condensate management and drain hose plumbing for different configurations in this document. No hose clamps are needed for the condensate pan hook up.
2. Drip leg in the gas line must be installed.
3. The furnace controls require correct polarity on the power supply and a proper ground.
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.
7. If thermoplastic evaporator 'A' coil drain pans are to be installed in the up-flow 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 manufactured housing 33", 95% furnaces are approved for 2-pipe systems only.
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)				Minimum Wire Size awg @ 75' One-Way	Total Unit Amps	Maximum Over Current Protection
	0.5" ESP (Nominal)						
	Low	Med-Lo	Med-Hi	High			
MG9S060B12MP11	713	872	1082	1243	14	10.0	15
MG9S080B12MP11	854	1008	1179	1370	14	10.0	15
MG9S080C16MP11	838	1250	1465	1671	14	11.5	15
MG9S100C16MP11	819	1224	1477	1706	14	11.5	15
MG9S100C20MP11	1183	1430	1712	1934	12	17.0	20
MG9S120D20MP11	1190	1430	1739	1977	12	17.0	20

Models	Maximum Vent Equivalent <sup>1</sup>		Factory Heating Speed Setting <sup>2</sup>	Temperature Rise Range	Time For 1 ft <sup>3</sup> Natural Gas (1030 Btu/Ft <sup>3</sup> ) Seconds On (Rate)
	2"	3"			
MG9S060B12MP11	65'	90'	Med-Hi	30°F-60°F	62
MG9S080B12MP11	65'	90'	High	35°F-65°F	46
MG9S080C16MP11	65'	90'	High	35°F-65°F	46
MG9S100C16MP11	30'	90'	High	35°F-65°F	37
MG9S100C20MP11	30'	90'	Med-Hi	35°F-65°F	37
MG9S120D20MP11	30'	90'	Med-Hi	35°F-65°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.

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



### CLEARANCES

Application	Upflow	Downflow
Top	1"	0"
Vent	0"	0"
Rear	0"	0"
Side	0"	0"
Front*	0"	0"
Floor	Combustible	Combustible <sup>1</sup>
Closet	Yes	Yes
Line Contact	No	No

1. For combustible floors only when used with special sub-base.
- \* 24" clearance in front and 18" on side recommended for service access.
- All furnaces approved for alcove and attic installation.

### 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"

### LED INDICATOR

- Slow Green Flash
- Normal operation
- Slow Amber Flash
- Normal operation with call for heat
- Any Red Flash = Fault condition
- Any Rapid 4 Flash = Potential fault codes / conditions



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

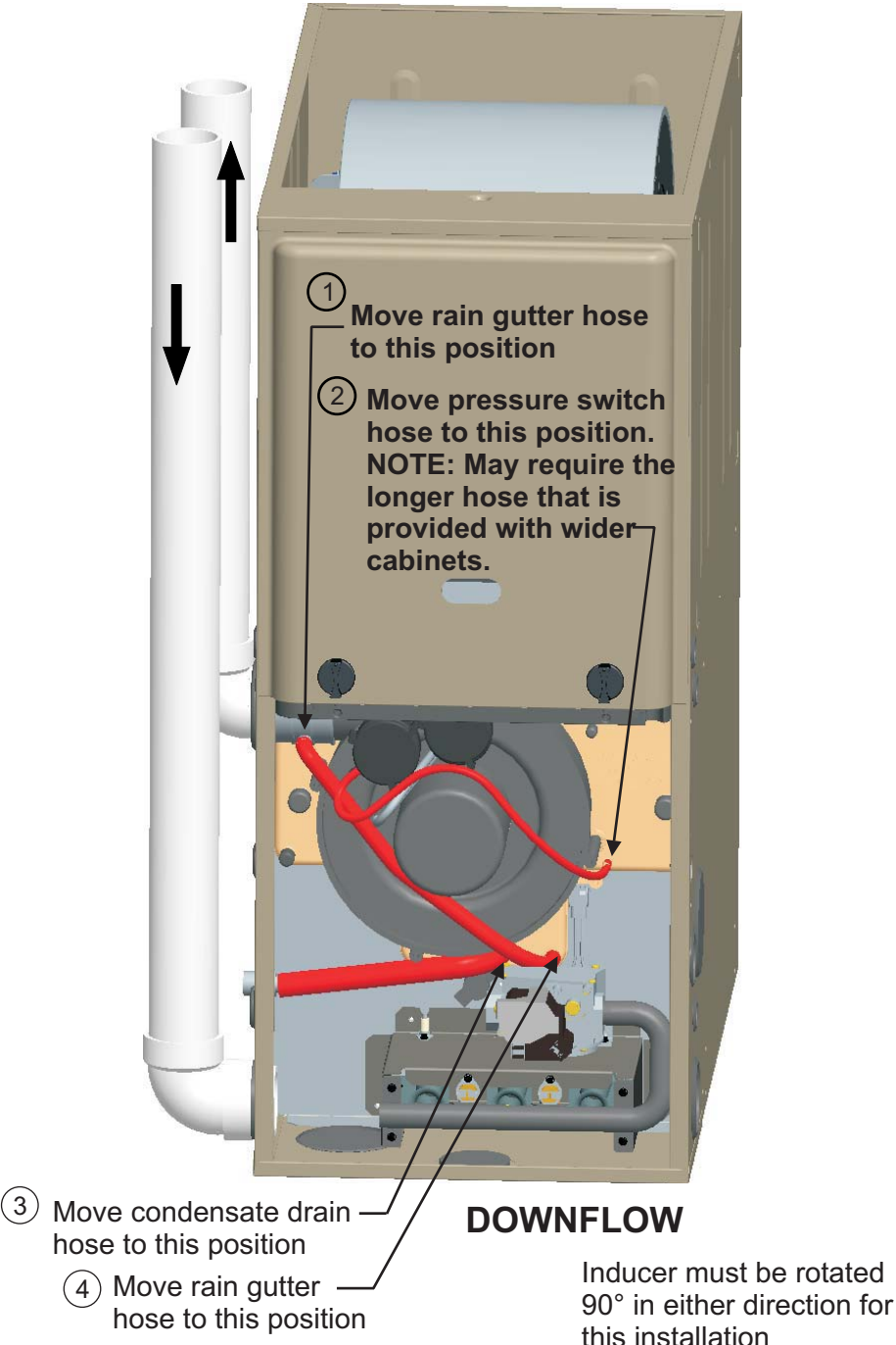
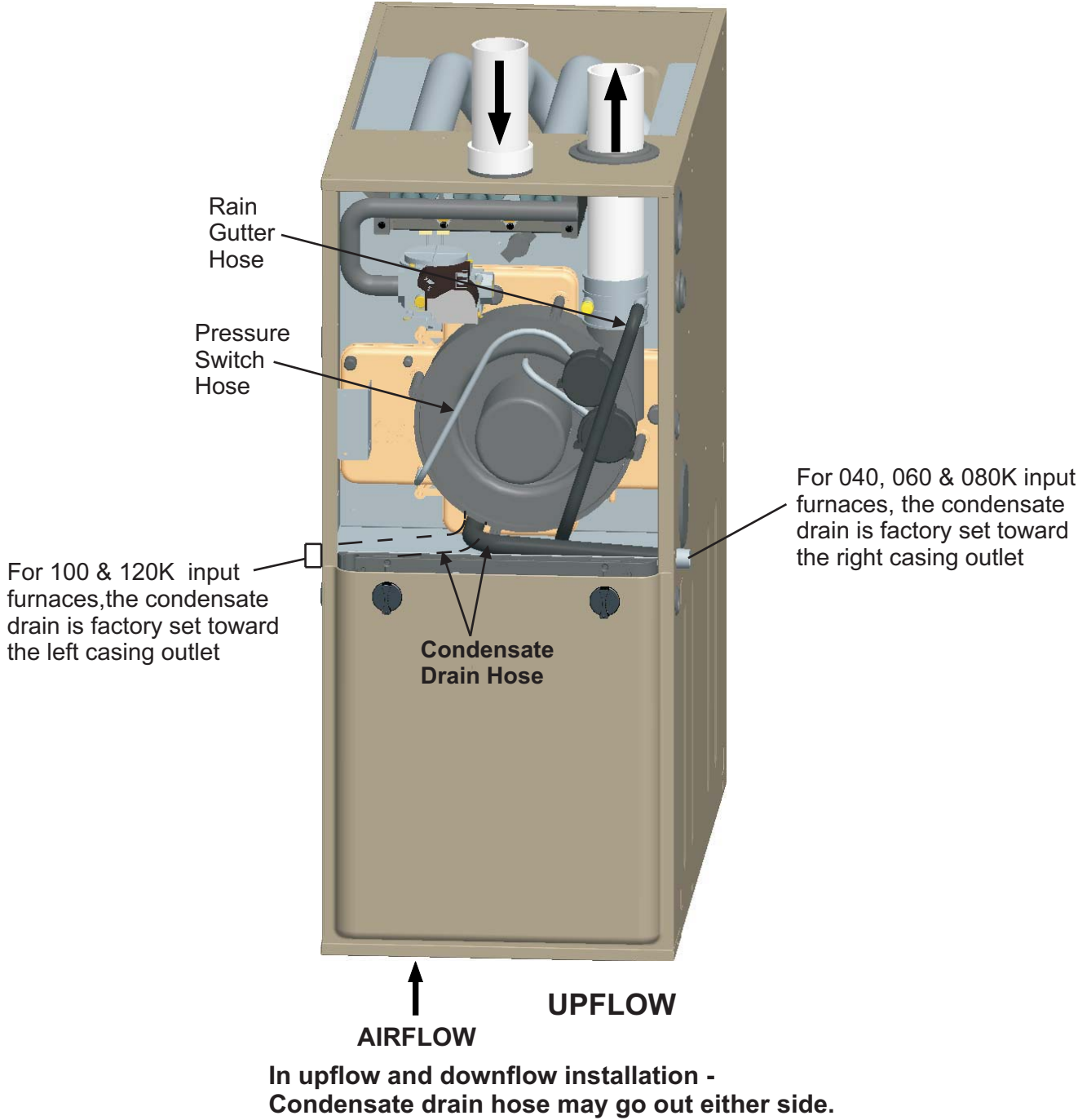
**MULTI-POSITION CONFIGURATION INFORMATION:**

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.



**SHIPPED IN DOWNFLOW CONFIGURATION**