

Notes:

- See the information about condensate management and drain hose plumbing for different configurations provided in this document. No hose clamps are needed for the condensate pan hook up.
  - Install a drip leg in the gas line.
  - The furnace controls require correct polarity on the power supply and a proper ground.
  - Connect **Y** and **G** to the control board for cooling operation.
  - Measure the supply air static pressure after the furnace before the indoor coil. Record this positive number. Measure the return air static pressure after the filter. Record this negative number. Treat the negative number as a positive number and add it to the recorded supply static pressure reading to get the total system external static pressure.
- The inlet gas pressure must be 7 in. W.C. for natural gas and 11 in. W.C. for propane. The nominal manifold gas pressure is 3.5 in. W.C. for natural gas and 10 in. W.C. for propane at maximum input.
  - If a third-party indoor coil containing a thermoplastic drain pan is used in the upflow or horizontal position, an extra 2 in. minimum spacing may be needed to ensure against drain pan distortion.
  - Use external filters for all configurations.
  - Electrical entry is available on both sides of the casing.
  - All 33 in. 96% furnaces are approved for two-pipe systems. For single-pipe systems, it is best practice to install the combustion air coupling provided and install approximately 18 in. of PVC pipe on the furnace.
  - Do not install an external condensate trap on these furnaces as it prevents the furnaces from operating correctly.

Model	Airflow CFM (bottom return without filters)					Total unit (A)	Recommended fuse or circuit breaker (A)
	0.5 in. ESP (nominal)						
	Red wire (low)	Yellow wire (medium low)	Gray wire (medium)	Blue wire (medium high)	Black wire (high)		
RG19026A08	395	480	504	632	813	6.5	15
RG19040A10	541	610	771	839	1035	8.8	15
RG19060A10	604	776	839	1019	1124	8.8	15
RG19060B12	649	894	1051	1189	1243	8.8	15
RG19080B12	651	859	992	1182	1304	8.8	15
RG19080C16	557	787	1044	1226	1607	10.8	20
RG19080C20	1173	1392	1516	1771	2001	14.6	20
RG19100C16	637	853	1006	1218	1602	10.8	20
RG19100C20	1138	1394	1498	1720	2006	14.6	20
RG19120D20	1190	1468	1629	1779	2005	14.6	20

**Note:** Not all blower speeds are suitable for heating operation. Refer to the installation instructions for correct heating speed selection.

Model	Maximum vent equivalent <sup>1</sup> (ft)			Temperature rise range (°F)	Time for 1 ft <sup>3</sup> natural gas (1030 Btu/ft <sup>3</sup> ) seconds on (rate)	Gas pipe connection, NPT (in.)
	2 in.	3 in.	4 in.			
RG19026A08	65	90	150	25 to 55	143	1/2
RG19040A10	65	90	150	30 to 60	92	1/2
RG19060A10	65	90	150	35 to 65	62	1/2
RG19060B12	65	90	150	30 to 60	62	1/2
RG19080B12	55	90	150	40 to 70	46	1/2
RG19080C16	55	90	150	40 to 70	46	1/2
RG19080C20	55	90	150	30 to 60	46	1/2
RG19100C16	45	90	150	40 to 70	37	1/2
RG19100C20	45	90	150	35 to 65	37	1/2
RG19120D20	n/a	90	150	45 to 75	30	1/2

1. For venting purposes, one 90° sweep elbow is equal to 5 ft of venting length, and one 90° standard elbow is equal to 10 equivalent ft of vent length. Note that 3 vent elbows are included in these calculations. The minimum required vent length is 5 ft.

LED indicator

Indication	Condition
Slow green flash	Standby, normal operation, fan only, and call for cooling
Slow amber flash	Normal operation with call for heat
Any red flash	Fault condition
Four amber flashes	Y call without G call
Rapid amber flashes	Amber LED light turns 1/10 s on and 1/10 s off indicating low flame signal warning

NOTICE

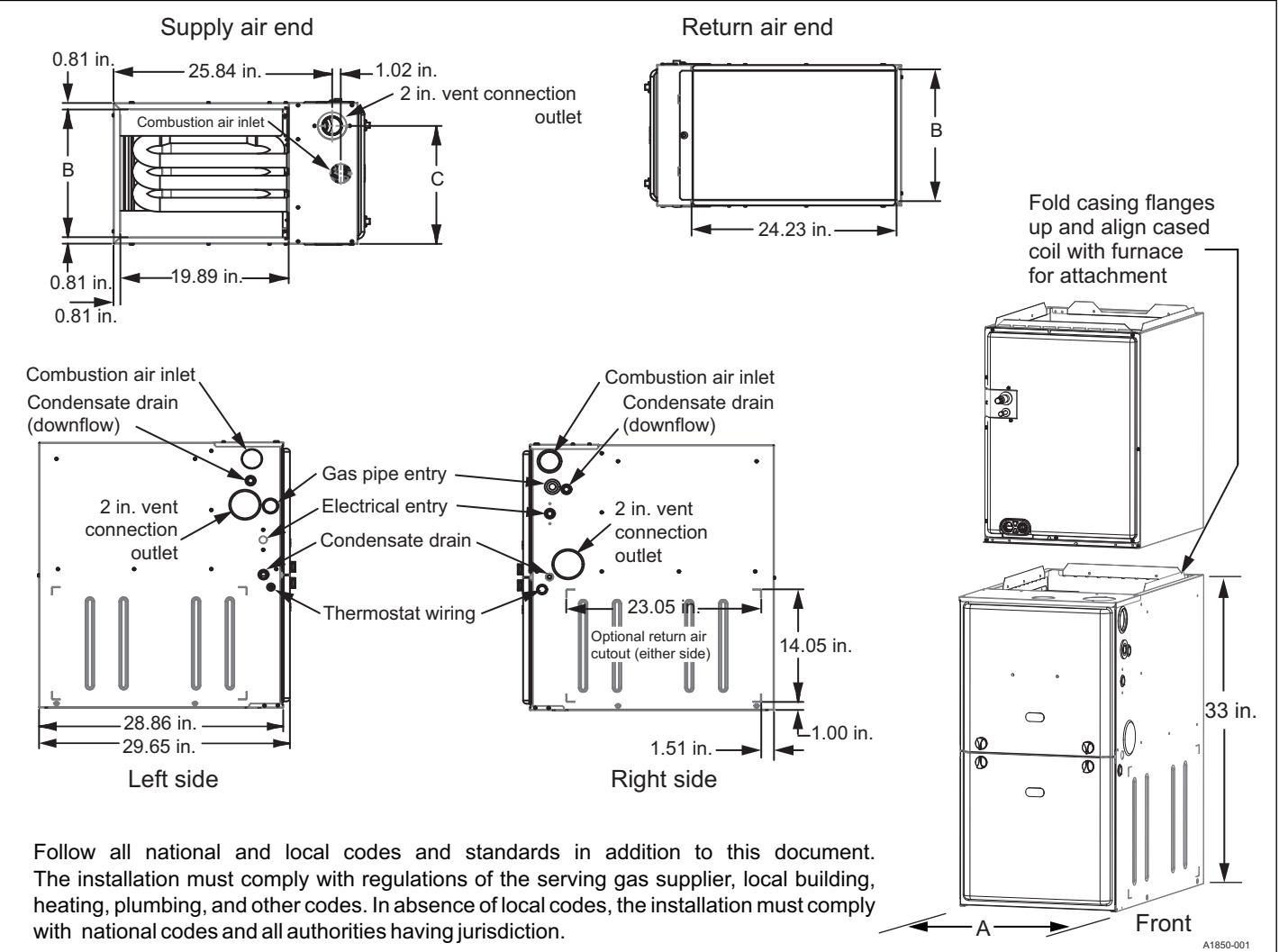
RG19026A08 units cannot be converted to use LP gas.

York International Corp.  
5005 York Drive  
Norman, OK 73069

Quick Reference Guide

Condensing Standard ECM Single-Stage Multi-Position Residential Gas Furnaces (33 in. tall) - RG19 Series

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.)	C (in.)
	All A cabinet furnaces	14.5	13.4	11.7
	All B cabinet furnaces	17.5	16.4	14.7
	All C cabinet furnaces	21.0	19.8	18.2
	All D cabinet furnaces	24.5	23.4	21.7

Clearances

Application	Upflow (in.)	Downflow (in.)	Horizontal (in.)
Top (in.)	1	0	0
Vent (in.)	0	0	0
Rear (in.)	0	0	0
Side (in.)	0	0	1
Front <sup>1</sup> (in.)	0	0	0
Floor	Combustible	Combustible <sup>2</sup>	Combustible
Closet	Yes	Yes	Yes
Line contact	No	No	Yes

1. Ensure to leave a 24 in. clearance in front and a 18 in. clearance on side for service access.  
2. A special sub-base is required for downflow applications on combustible floors.  
**Note:** All furnaces are approved for alcove and attic installation.

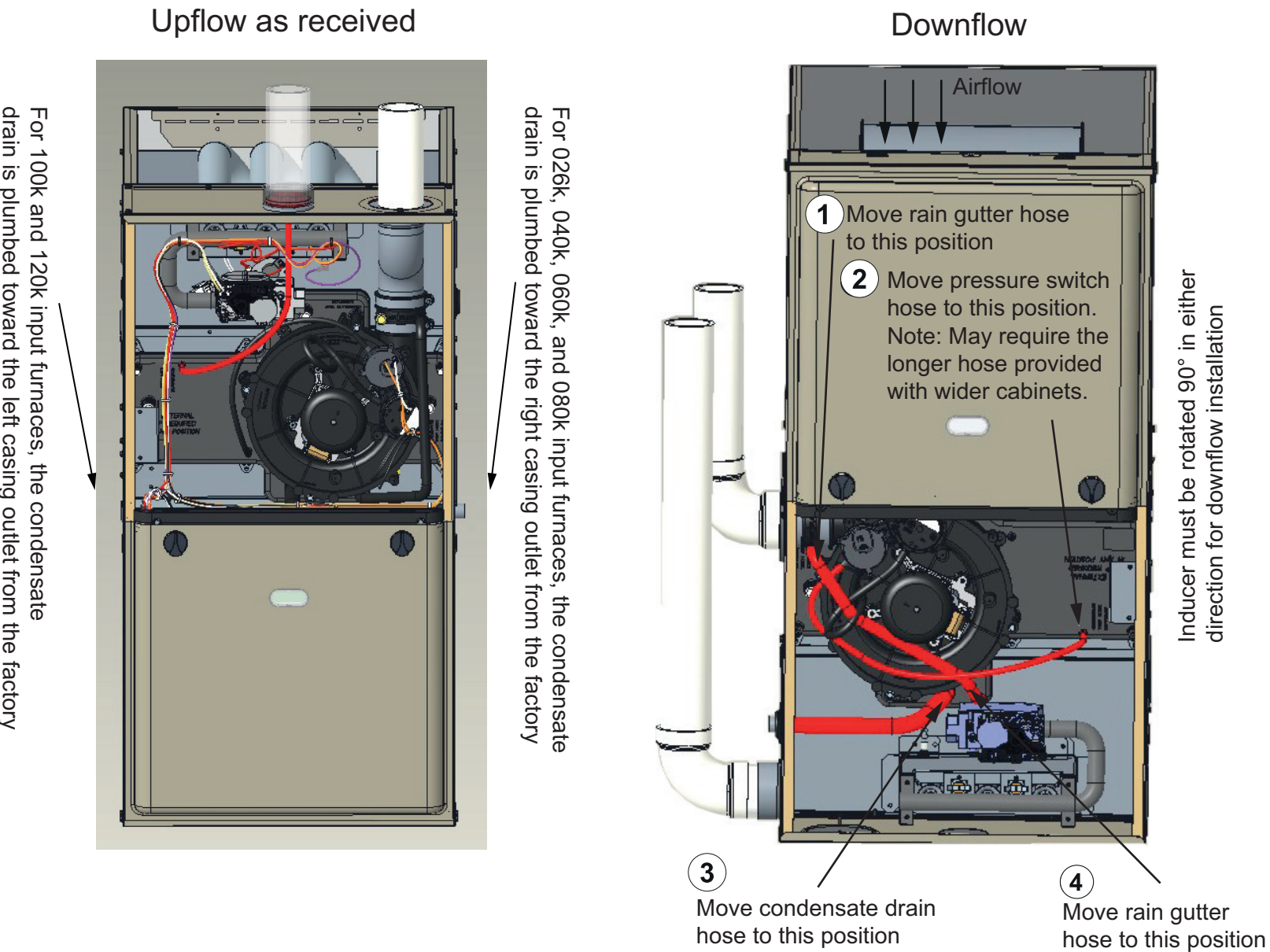
The most common installation configurations are shown below. More options are available with inducer rotation, which is covered in the installation manual.

**Multi-position configuration information:**

Ensure that all PVC venting has at least 1/4 in/ft slope towards the furnace.  
The furnace is multi-position and can be installed in any of the configurations shown.  
The furnace condensate is self-priming and contains an internal trap.

**Do not install an external condensate trap.**

When drain hose routing changes are required, you must cap all unused openings.  
If rerouting hoses, cut off excess length so that no sagging loops collect and hold condensate, causing the furnace not to operate.



In upflow and downflow installations, condensate drain hose may go out either side

