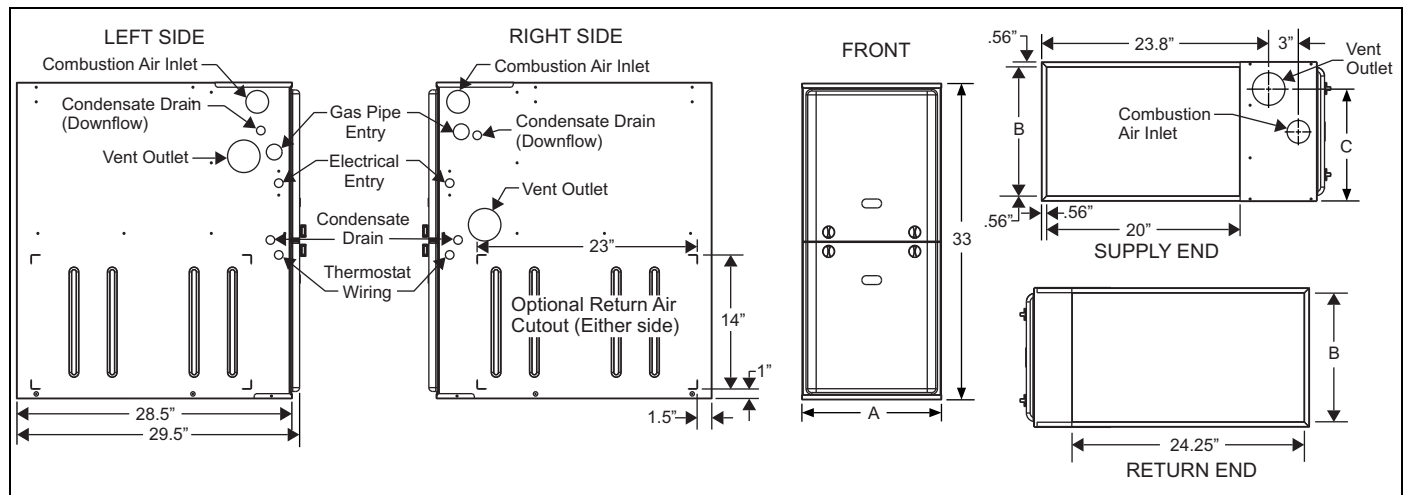


# SUBMITTAL DATA SHEET

## 96% TWO STAGE STANDARD ECM RESIDENTIAL MULTI-POSITION GAS FURNACES MODELS: TM9Y

JOB NAME:		LOCATION:		
PURCHASER:		ORDER NO:		
ENGINEER:				
SUBMITTED TO:	FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:		DATE:		
UNIT DESIGNATION:		SCHEDULE NO.		MODEL NO.

### DIMENSIONS - INCHES



Model	Nominal CFM	Cabinet Size	Cabinet Dimensions (Inches)			Approximate Operating Weights
			A	B	C	Lbs
TM9Y040A10MP11	1000	A	14-1/2	13-3/8	11-3/4	113
TM9Y060B12MP11	1200	B	17-1/2	16-3/8	13-1/4	119
TM9Y080B12MP11	1200	B	17-1/2	16-3/8	14-3/4	123
TM9Y080C16MP11	1600	C	21	19-7/8	16-1/2	130
TM9Y100C16MP11	1600	C	21	19-7/8	18-1/4	136
TM9Y100C20MP11	2000	C	21	19-7/8	18-1/4	143
TM9Y120D20MP11	2000	D	24-1/2	23-3/8	21-3/4	154

Due to continuous product improvements, specifications are subject to change without notice. Installation and conversions of these furnaces must be made by qualified distributor, dealer, or contractor personnel.

### PRODUCT DATA

#### Heating Performance

Input Capacity \_\_\_\_\_ MBH

Output Capacity \_\_\_\_\_ MBH

Air Temp. Rise \_\_\_\_\_ °F

#### Supply Air Blower Performance

Total Supply Air \_\_\_\_\_ CFM

Total External Static Pressure \_\_\_\_\_ IWG

Blower Speed (circle) \_\_\_\_\_ HI MH ML L

Motor Rating \_\_\_\_\_ HP

#### Electrical Data

Power Supply \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Total Unit Ampacity \_\_\_\_\_ AMPS

Minimum Wire Size \_\_\_\_\_ AWG

Maximum Overcurrent Device

☐ Fuses ☐ Circuit

Breaker \_\_\_\_\_ AMPS

#### Unit Weight

Total Unit Weight \_\_\_\_\_ LBS



## **FEATURES**

- Two stage heating operation includes two stage gas valve, two stage inducer operation and constant torque standard ECM blower operation. Adjustable delay timer allows two stage operation with a single stage thermostat.
- Easily applied in upflow, horizontal left or right, or downflow installation with minimal conversion necessary.
- Compact, easy to install, ideal height 33" tall cabinet.
- Standard ECM constant torque drive for cooling SEER enhancement, improved comfort with optional airflow delay profiles, and continuous fan options for IAQ performance.
- Easy access to controls to connect power/control wiring.
- Built-in, high level self diagnostics with fault code display.
- Low unit current draw requirement for easy replacement application.
- All models are convertible to use propane (LP) gas.
- Electronic Hot Surface Ignition saves fuel use with increased dependability and reliability.
- 100% shut off main gas valve for extra safety.
- 24V, 40 VA control transformer and integrated furnace control supplied for add-on cooling.
- Hi-tech tubular aluminized steel primary heat exchanger with stainless steel tube/aluminum fin secondary heat exchanger for outstanding efficiency.
- Solid removable bottom panel allows easy conversion.
- Airflow leakage less than 1% of nominal airflow for duct blaster conditions.
- No knockouts to deal with, making installation easier.
- Movable duct connector flanges for application flexibility.
- Quiet inducer operation, burner, and blower operation.
- Inducer rotates for easy conversion of venting options.
- Fully supported blower assembly for easy access and removal of blower.
- External air filters used for maximum flexibility in meeting customers IAQ needs.
- Insulated blower compartment for thermal and acoustic performance.
- 1/4 turn knobs provided for easy independent door removal.
- Internal condensate trap design (patent pending) provides condensate management options and is self priming to prevent nuisance problems.
- Protection included from air intake, exhaust vent or condensate blockage.
- Venting applications maybe installed as either 2 pipe sealed combustion or single pipe vent using indoor combustion air.

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## **FIELD INSTALLED ACCESSORIES**

**Propane (LP) Conversion Kit** - This accessory conversion kit may be used to convert natural gas (N) units for propane (LP) operation.

S1-1NP0347 - All Models

**Concentric Vent Termination** - For use through rooftop, side-wall. Allows combustion air to enter and exhaust to exit through single common hole. Eliminates unsightly elbows for a cleaner installation.

S1-1CT0302 (2") & S1-1CT0302-636 (2")

S1-1CT0303 (3") & S1-1CT0303-636 (3")

**Sidewall Vent Termination Kit** - For use on sidewall, two-pipe installations only. Provide a more attractive termination for locations where the terminal is visible on the side of the home.

S1-1HT0901 (3")

S1-1HT0902 (2")

**Condensate Neutralizer Kit** - Neutralizer cartridge has a 1/2" plastic tube fittings for installation in the drain line. Calcium carbonate refill media is also available from the Source 1 Parts (P/N S1-02630228000).

S1-1NK0301

**Side Return Filter Racks** -

S1-1SR0200 - All Models

S1-1SR0402 - All Models

**Bottom Return Filter Racks** - 1BR05xx series are galvanized steel filter racks. 1BR06xx are pre-painted steel filter racks to match the appearance of the furnace cabinet.

S1-1BR0514 or 1BR0614 - For 14-1/2" cabinets

S1-1BR0517 or 1BR0617 - For 17-1/2" cabinets

S1-1BR0521 or 1BR0621 - For 21" cabinets

S1-1BR0524 or 1BR0624 - For 24-1/2" cabinets

**Combustible Floor Base Kit** - For installation of these furnaces in downflow applications directly onto combustible flooring material. These kits are required to prevent potential overheating situations. tible floor base kit provides access for combustible airflow.

S1-1CB0514 - For 14-1/2" cabinets

S1-1CB0517 - For 17-1/2" cabinets

S1-1CB0521 - For 21" cabinets

S1-1CB0524 - For 24-1/2" cabinets

**High Altitude Pressure Switches** - For installation where the altitude is less than 5,000 feet it is not required that the pressure switch be changed. For altitudes above 5,000 feet, see kits below.

S1-1PS3308 - All Models

**Thermostats** - Compatible thermostat controls are available through accessory sourcing.