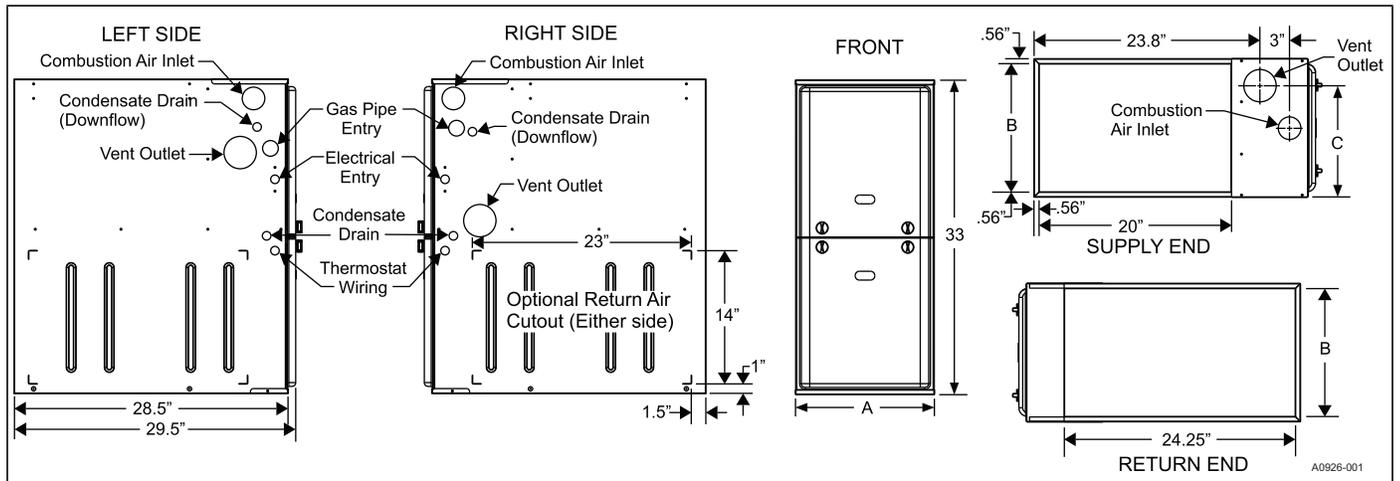


SUBMITTAL DATA SHEET

96% TWO STAGE VARIABLE SPEED ECM RESIDENTIAL MULTI-POSITION GAS FURNACES MODELS: TM9V*C

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

DIMENSIONS - INCHES



BTUH (kW) Input	Nominal CFM	Cabinet Size	Cabinet Dimensions (Inches)			Approximate Operating Weights Lbs
			A	B	C	
TM9V040A10MP12C	1000	A	14-1/2	13-3/8	11-3/4	113
TM9V060B12MP12C	1200	B	17 1/2	16 3/8	13 1/4	122
TM9V080B12MP12C	1200	B	17 1/2	16 3/8	13 1/4	126
TM9V080C16MP12C	1600	C	21	19 7/8	16 1/2	136
TM9V100C16MP12C	1600	C	21	19 7/8	18 1/4	142
TM9V100C20MP12C	2000	C	21	19 7/8	18 1/4	145
TM9V120D20MP12C	2000	D	24 1/2	23 3/8	21 3/4	156

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	
<input type="checkbox"/> Fuses <input type="checkbox"/> Circuit Breaker _____	AMPS
Unit Weight	
Total Unit Weight _____	LBS

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.



FEATURES

- Two stage heating operation includes two stage gas valve, two stage inducer operation and variable speed 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.
- ECM variable speed 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 amp requirement for easy replacement application.
- All models are convertible to use propane (LP) gas.
- Electronic Hot Surface Ignition saves fuel cost with increased dependability and reliability.
- 100% shut off main gas valve for extra safety.
- 24V, 40 VA control transformer and blower relay 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 ductblaster 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.
- These models may be connected as part of a communicating control system using a 4-wire connection bus.
- Polyflue polypropylene venting approved.

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 026-30228-000).

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. For optimum performance and installation, refer to the UPGNET "Low Voltage Wiring Diagram" document to select and apply controls.