

SUBMITTAL DATA SHEET

INDUCED DRAFT MID EFFICIENCY UPFLOW/HORIZONTAL GAS FURNACES MODELS: GY8S160E30UH21

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

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

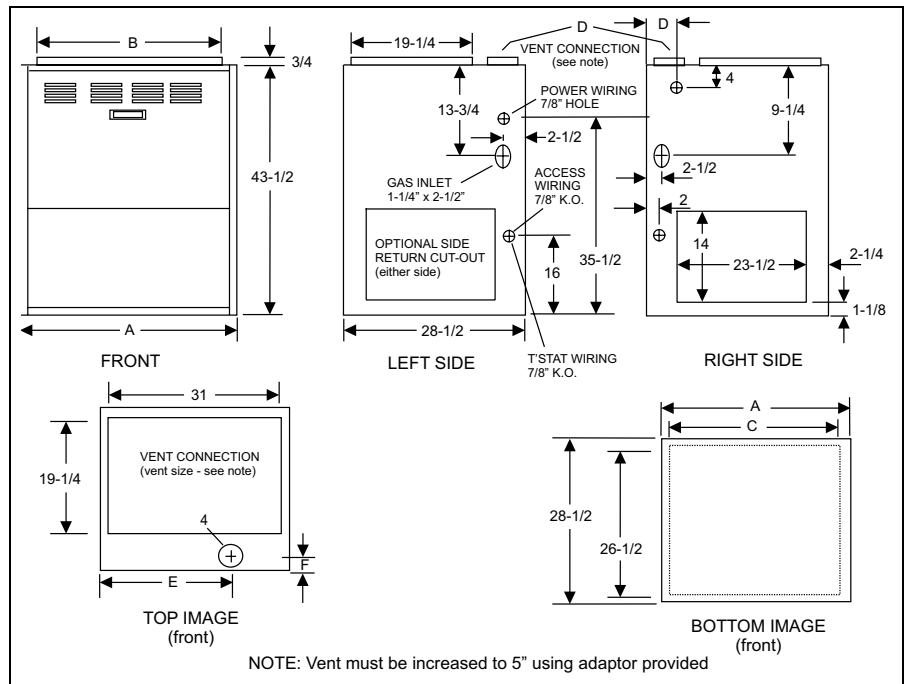
Electrical Data

Power Supply _____ / _____ / _____
 Total Unit Ampacity _____ AMPS
 Minimum Wire Size _____ AWG
 Maximum Overcurrent Device
 Fuses Circuit Breaker _____ AMPS

Unit Weight

Total Unit Weight _____ LBS

DIMENSIONS - INCHES



Model Number	CFM	Cabinet Dimension					
		A	B	C	D	E	F
GY8S160E30UH21	3500	32 1/4	31	30 1/4	4.0	19 1/8	3 3/4



FEATURES

- Easily applied in upflow/horizontal left or horizontal right installation with no conversion necessary.
- Electronic hot surface ignition with high reliability and dependability.
- 100% shut off main gas valve for added safety.
- Rollout safety control.
- Large belt-drive blower for high CFM and static capability.
- 1-1/2 HP ball bearing motor.
- Reliable hot surface igniter.
- Aluminized steel tubular heat exchanger for long term durability.
- High quality inducer motor for quiet operation.
- Standard terminals for controlling humidifiers and EAC's or other commercial application requirements.
- 40 VA control transformer fuse protected.
- Easy to connect power and control wiring.
- Efficiency ratings of 78 AFUE attained by using tubular heat exchangers.
- Cooling relay supplied for easy installation of add-on cooling.
- Adjustable fan-off settings to eliminate "cold-blow".
- Compact 43-1/2 in. height allows installation in small space confines.
- Equipped with timer relay providing motor protection if operated on continuous blower or if unit is "twinned".
- 208/230 volt operation, convertible for 115 volt.
- Model is propane convertible.
- Attractive pre-paint finished steel cabinet for durability and corrosion resistance.

FIELD INSTALLED ACCESSORIES

ACCESSORIES

Propane Conversion Kit – 1NP0349

This accessory conversion kit may be used to convert natural gas units for propane (LP) operation. Conversion must be made by qualified distributor or dealer personnel.

High Altitude Pressure Switch Kits – 1PS0301

This accessory kit may be used to convert unit for high altitude operation. Conversion must be made by qualified distributor or dealer personnel. Please see form 650.74-N1V for detailed instructions

Accessories Non-Electrical	
Description	Model No.
LP Conversion Kit	1NP0349B
High Altitude Conversion Kit (All Altitudes above 2000 ft.)	1PS0301
Bottom Filter Kit	1BR0432
Side Return Filter Kit	1SR0402

External Side Return Filter Rack - 1SR0402 (Upflow)

Provides a 16 x 25 cleanable, high velocity type filter and attaches to the furnace side panel and the return air duct. The filter is easily replaced. Package contains six filter racks with filters.

External Bottom Filter Rack or Horizontal End Return – 1BR0432

Application of "High Velocity" rack provides opening for (2) 16" x 29" filters (not supplied). Attached to the end of the furnace and provides duct flanges. Will accept up to 2" filters.

Furnace Twinning Control – 2TC03700124 & 2TS03700106 (Both Required)

This twinning control accessory allows proper operation of two furnaces when the units are installed on a common duct system in a commercial application. This allows a greater system CFM and heating capacity to be attained than would be available from a single furnace. Belt drive furnace also requires application of a

Furnace Twinning Sensor - 2TS03700106

UNIT CLEARANCES TO COMBUSTIBLES (ALL SURFACES IDENTIFIED WITH THE UNIT IN A VERTICAL POSITION)

APPLICATION	TOP	FRONT	REAR	LEFT SIDE	RIGHT SIDE	FLUE	FLOOR/BOTTOM	CLOSET	ALCOVE	ATTIC	LINE CONTACT
UPFLOW	1	6	0	0	3	6	COMBUSTIBLE	YES	YES	YES	NO
UPFLOW B-VENT	1	3	0	0	0	1	COMBUSTIBLE	YES	YES	YES	NO
HORIZONTAL	1	6	0	0	3	6	COMBUSTIBLE	NO	YES	YES	YES ¹
HORIZ. B-VENT	1	3	0	0	0	1	COMBUSTIBLE	NO	YES	YES	YES ¹

1. Line contact only permitted between lines formed by the intersection of the rear panel and side panel (top in horizontal position) of the furnace jacket and building joists, studs or framing.
2. All dimensions are in inches.

NOTES:
