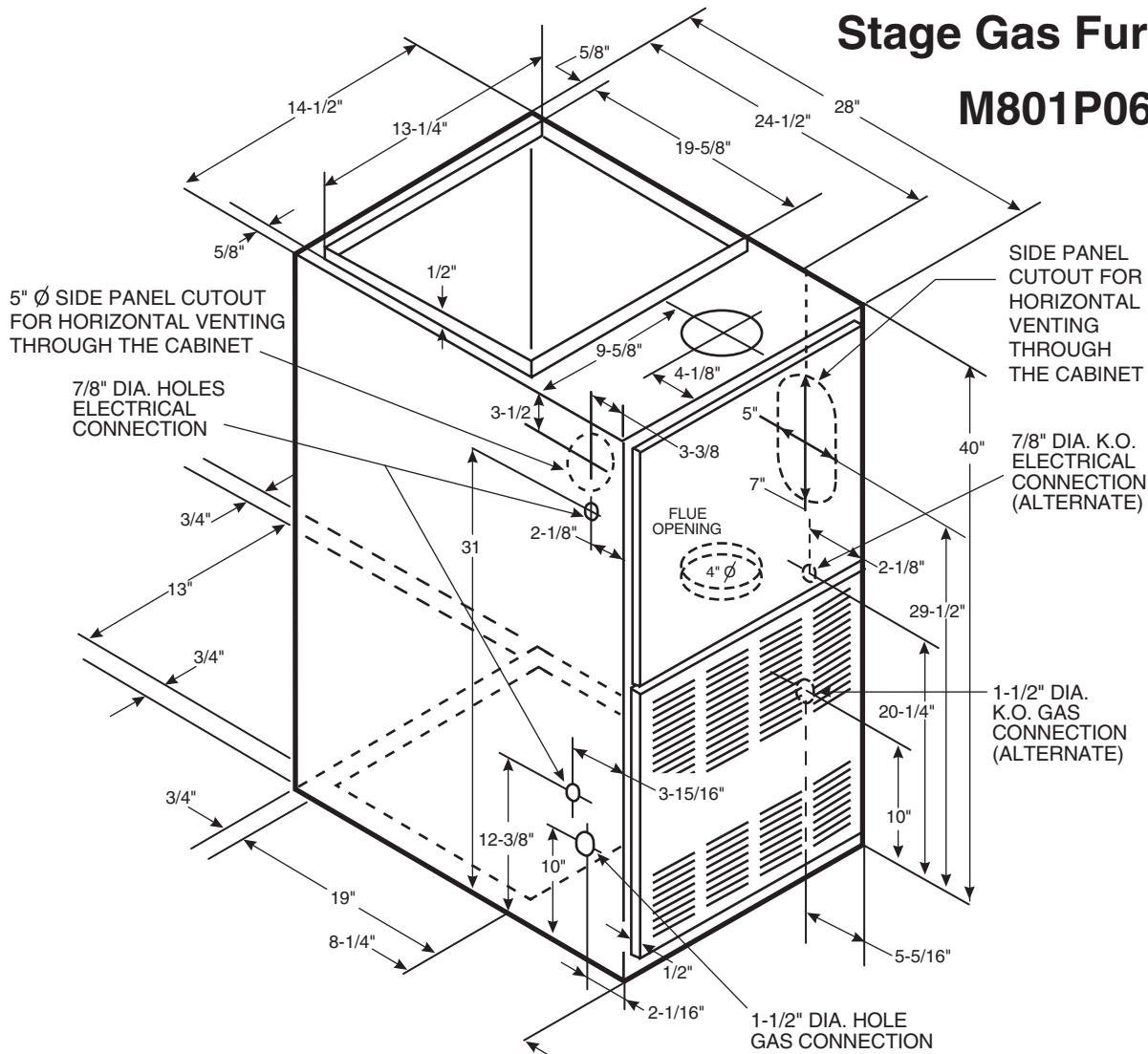


TAG: _____

SUBMITTAL

Downflow/ Horizontal Induced Draft Single Stage Gas Furnace

M801P060AD24AA



FURNACE AIRFLOW (CFM) VS. STATIC PRESSURE (ins. w.g.)

MODEL	SPEED TAP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
M801P060AD24AA	4-HIGH - Black	1200	1155	1111	1056	1001	924	848	774	701
	3-MED - HIGH - Blue	1025	988	951	905	859	797	735	646	558
	2-MED - LOW - Yellow	838	808	779	742	704	646	588	502	415
	1-LOW - Red	722	689	656	618	579	528	478	376	275

CFM VS. TEMPERATURE RISE

MODEL	CFM (CUBIC FEET PER MINUTE)									
	500	600	700	800	900	1000	1100	1200	1300	1400
M801P060AD24AA			63	56	49	44	40			

PRODUCT SPECIFICATIONS ^①

MODEL	M801P060AD24AA
TYPE	Downflow/Horizontal
RATINGS ^②	
Input BTUH ^③	60,000
Capacity BTUH (ICS) ^③	48,000
Temp. rise (Min.-Max.) °F.	35 - 65
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	10 x 7
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance Table
Motor HP	1/5
R.P.M.	1075
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	
Drive - No. Speeds	Centrifugal
Motor HP - RPM	Direct - 1
Volts/Ph/Hz	1/50 - 3180
FLA	115/1/60
FILTER — Furnished?	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity
VENT — Size (in.)	2 - 14x20 - 1in.
	4 Round

HEAT EXCHANGER	
Type - Fired	Alum. Steel
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	3 — 45
L.P. Gas Qty. — Drill Size	3 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	3
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	5.5
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
Crated (In.)	H x W x D
	41-3/4 x 16-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	129 / 119

^① Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3.

^② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level.

For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.

^③ Based on U.S. government standard tests.

^④ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

Mechanical Specifications

NATURAL GAS MODELS - Central Heating furnace designs are certified to ANSI Z21.47 / CSA 2.3 for both natural and L.P. gas. Limit setting and rating data were established and approved under standard rating conditions using American National Standards Institute standards.

SAFE OPERATION - The Integrated System Control has solid state devices, which continuously monitor for presence of flame, when the system is in the heating mode of operation. Slow opening, dual solenoid combination gas valve and regulator provide extra safety and quieter operation.

QUICK HEATING— Durable, cycle tested, heavy gauge **aluminized steel heat exchanger** quickly transfers heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide discharge of gas fumes to the outside, allows common venting with hot water heater.

BURNERS - Multiport Inshot burners will give years of quiet and efficient service. All models can be converted to **L.P. gas** without changing burners.

INTEGRATED SYSTEM CONTROL - Exclusively designed operational program provides total control of furnace limit sensors, blowers, gas valve, flame control and includes self diagnostics for ease of service.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient airflow range for most heating and cooling requirements, will switch from heating to cooling speeds on demand from room thermostat. The blower door safety switch will prevent or terminate furnace operation when the blower door is removed. (Fan relay and 35VA control transformer is standard).

STYLING - Heavy gauge steel and “wrap-around” cabinet construction is used in the cabinet with baked-on enamel finish for strength and beauty. The heat exchanger section of the cabinet is completely lined with foil faced fiberglass insulation. This results in quiet and efficient operation due to the excellent acoustical and insulating qualities of fiberglass.

FEATURES AND GENERAL OPERATION - The High Efficiency Gas Furnaces employs a Silicon Nitride Hot Surface Ignition system, which eliminates the waste of a constant burning pilot. The integrated system control lights the main burners upon a demand for heat from the room thermostat. Complete front service access.

- Low energy power venter
- Vent proving pressure switch.

Since the manufacturer has a policy of continuous product and product data improvement, it reserves the right to change specifications and design without notice.

Technical Literature - Printed in U.S.A.

Ingersoll Rand
11819 N. Pennsylvania Street
Carmel, IN 46032



Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M801P060AD24-SUB-1
Supersedes	New