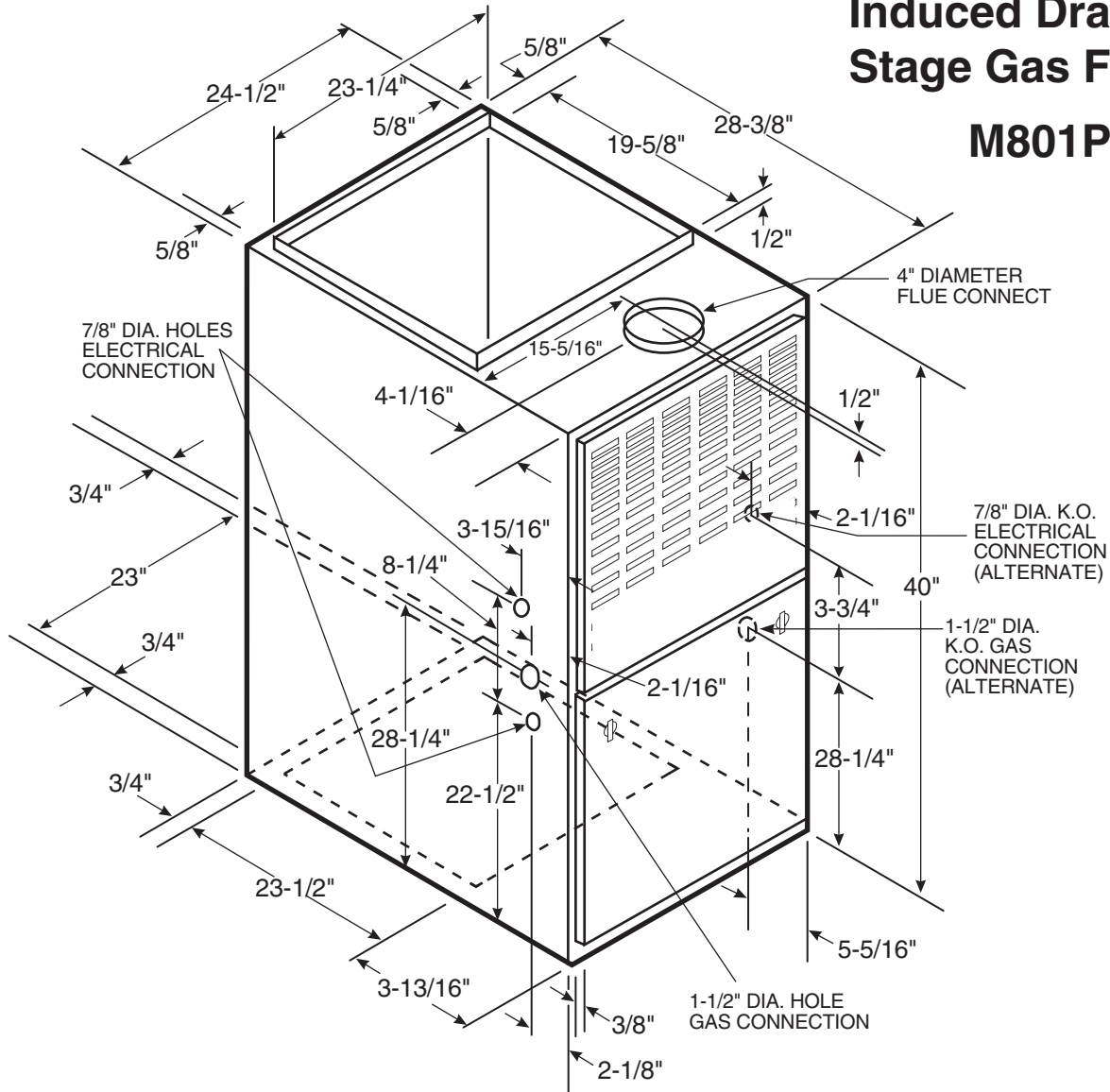


TAG: \_\_\_\_\_

### SUBMITTAL

### Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

**M801P120DU60AA**



FURNACE AIRFLOW (CFM) VS. EXTERNAL STATIC PRESSURE (IN. W.C.)										
MODEL	SPEED TAP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
M801P120DU60AA	4-HIGH - Black	2135	2101	2066	2036	2005	1923	1840	1750	1659
	3-MED - HIGH - Blue	1906	1881	1856	1817	1777	1724	1671	1602	1533
	2-MED - LOW - Yellow	1646	1632	1617	1596	1575	1535	1494	1427	1360
	1-LOW - Red	1423	1415	1407	1391	1375	1338	1300	1246	1192

CFM VS. TEMPERATURE RISE												
MODEL	CFM (CUBIC FEET PER MINUTE)											
	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
M801P120DU60AA			59	56	52	49	47	44	42	40		

## PRODUCT SPECIFICATIONS <sup>①</sup>

MODEL	M801P120DU60AA
TYPE	Upflow / Horizontal
<b>RATINGS</b> <sup>②</sup>	
Input BTUH <sup>③</sup>	120,000
Capacity BTUH (ICS) <sup>③</sup>	96,000
Temp. rise (Min.-Max.) °F.	30 - 60
<b>BLOWER DRIVE</b>	
	Direct
Diameter - Width (In.)	11 x 10
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance Table
Motor HP	1/2
R.P.M.	1075
Volts / Ph / Hz	115/1/60
<b>COMBUSTION FAN - Type</b>	
Drive - No. Speeds	Centrifugal
Motor HP - RPM	Direct - 1
Volts / Ph / Hz	1/50 - 3180
FLA	115/1/60
<b>FILTER — Furnished?</b>	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity
<b>VENT — Size (in.)</b>	1 - 24x25 - 1 in.
	4 Round

<b>HEAT EXCHANGER</b>	
Type - Fired	Alum. Steel
- Unfired	
Gauge (Fired)	20
<b>ORIFICES — Main</b>	
Nat. Gas Qty. — Drill Size	6 — 45
L.P. Gas Qty. — Drill Size	6 — 56
<b>GAS VALVE</b>	
	Redundant - Single Stage
<b>PILOT SAFETY DEVICE</b>	
Type	Hot Surface Ignition
<b>BURNERS — Type</b>	
Number	Multiport Inshot
	6
<b>POWER CONN. — V / Ph / Hz</b> <sup>④</sup>	
	115/1/60
Ampacity (In Amps)	13.4
Max. Overcurrent Protection (Amps)	20
<b>PIPE CONN. SIZE (IN.)</b>	
	1/2
<b>DIMENSIONS</b>	
	H x W x D
Crated (In.)	41-3/4 x 26-1/2 x 30-1/2
<b>WEIGHT</b>	
Shipping (Lbs.) / Net (Lbs.)	186 / 174

<sup>①</sup> Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3.

<sup>②</sup> 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.

<sup>③</sup> Based on U.S. government standard tests.

<sup>④</sup> 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.	M801P120DU60-SUB-1
Supersedes	New