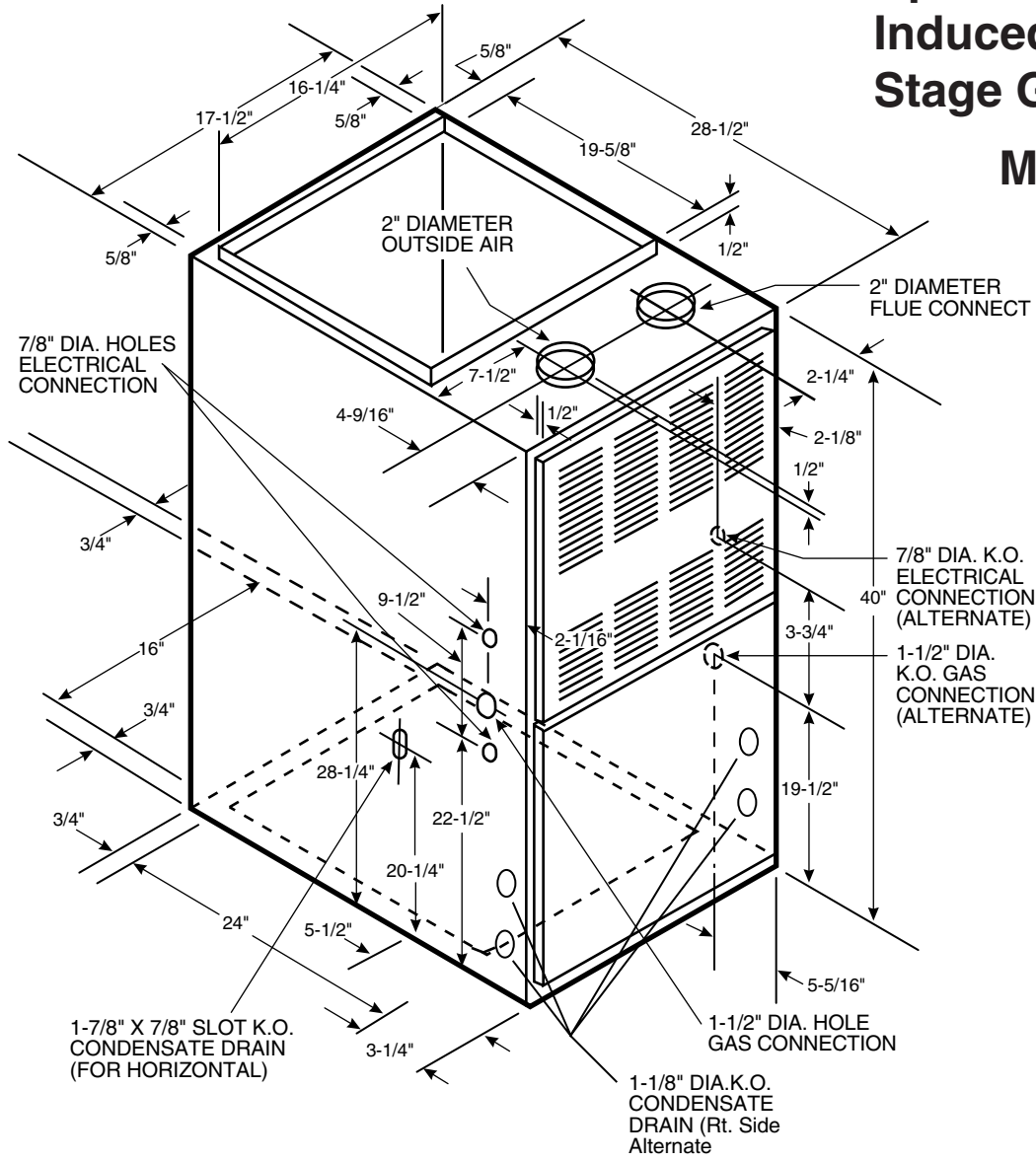


TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P040BU24AA



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
M951P040BU24AA	4 - HIGH - Black	1043	992	930	885	812	740	647	518	457
	3 - MED.-HIGH - Blue	940	895	841	791	726	650	559	420	390
	2 - MED.-LOW - Yellow	837	798	752	705	649	560	438	305	279
	1 - LOW - Red	729	694	657	600	545	478	376	220	178

CFM VS. TEMPERATURE RISE									
MODEL	Cubic Feet Per Minute (CFM)								
	600	700	800	900	1000	1100	1200	1300	1400
M951P040BU24AA	59	50	44	39	35				

PRODUCT SPECIFICATIONS ^①

MODEL	M951P040BU24AA
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	40,000
Capacity BTUH (ICS) ^③	38,000
Temp. rise (Min.-Max.) °F.	30 - 60
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	9 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 Direct - 1
Motor HP - RPM	1/55 - 3000
Volts/Ph/Hz	115/1/60
FLA	1.0
FILTER — Furnished?	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity 1 - 17x25 - 1in.
VENT — Size (in.)	
	2 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	2 — 45
L.P. Gas Qty. — Drill Size	2 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	2
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	5.2
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	139 / 129

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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



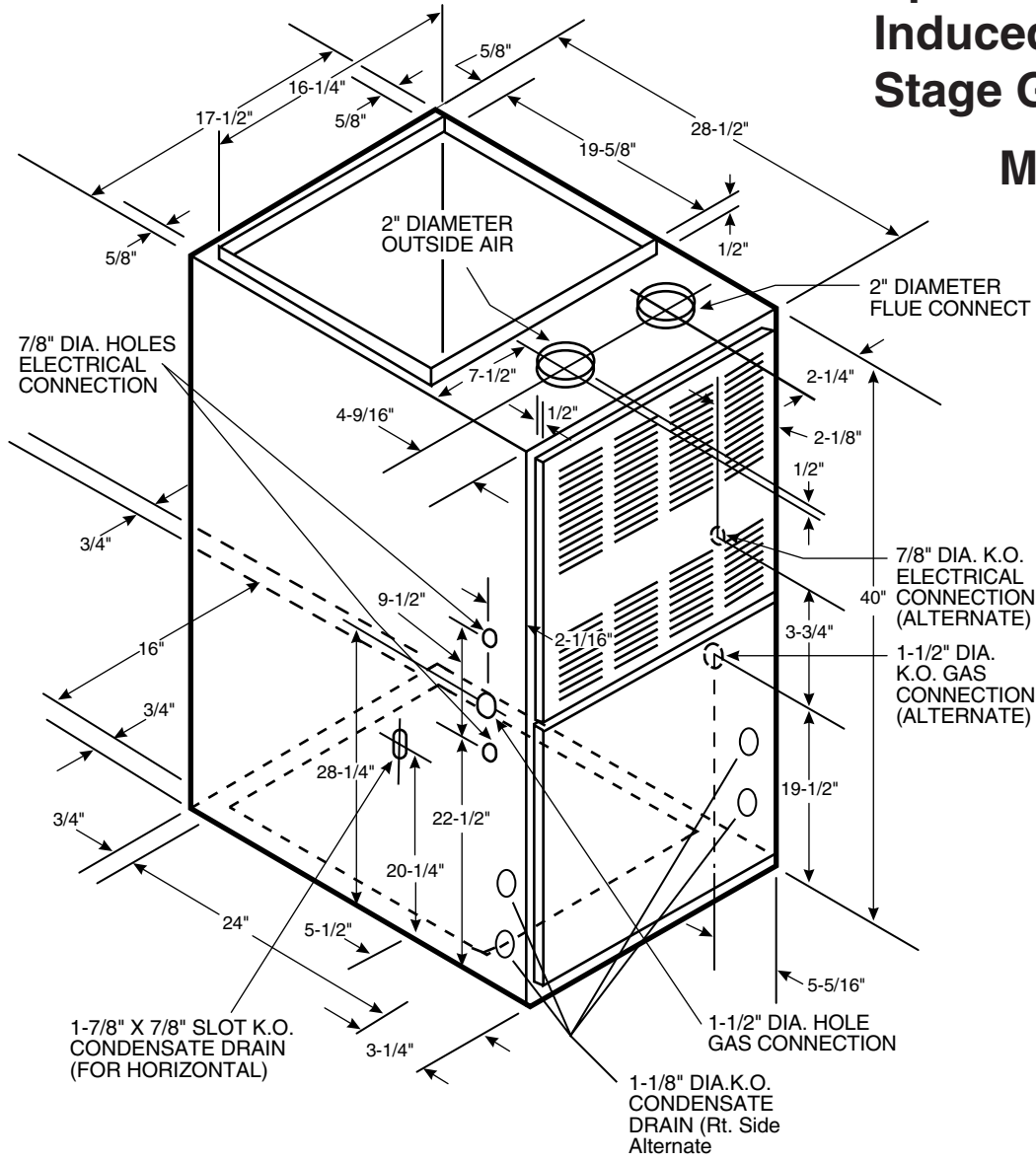
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P040BU24-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P060BU36AA



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
M951P060BU36AA	4 - HIGH - Black	1359	1313	1264	1204	1144	1079	1004	919	812
	3 - MED.-HIGH - Blue	1232	1199	1161	1116	1065	1004	934	852	744
	2 - MED.-LOW - Yellow	1077	1054	1027	994	953	904	845	768	666
	1 - LOW - Red	926	913	895	871	836	792	733	670	570

CFM VS. TEMPERATURE RISE

MODEL	Cubic Feet Per Minute (CFM)												
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
M951P060BU36AA				59	53	48	44	41	38				

PRODUCT SPECIFICATIONS ^①

MODEL	M951P060BU36AA
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	60,000
Capacity BTUH (ICS) ^③	57,000
Temp. rise (Min.-Max.) °F.	30 - 60
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	1/3
R.P.M.	1075
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/15 - 3450
Volts/Ph/Hz	115/1/60
FLA	1.75
FILTER — Furnished?	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 17x25 - 1in.
VENT — Size (in.)	2 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- 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)	9.2
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	1/2
DIMENSIONS	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	150 / 140

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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



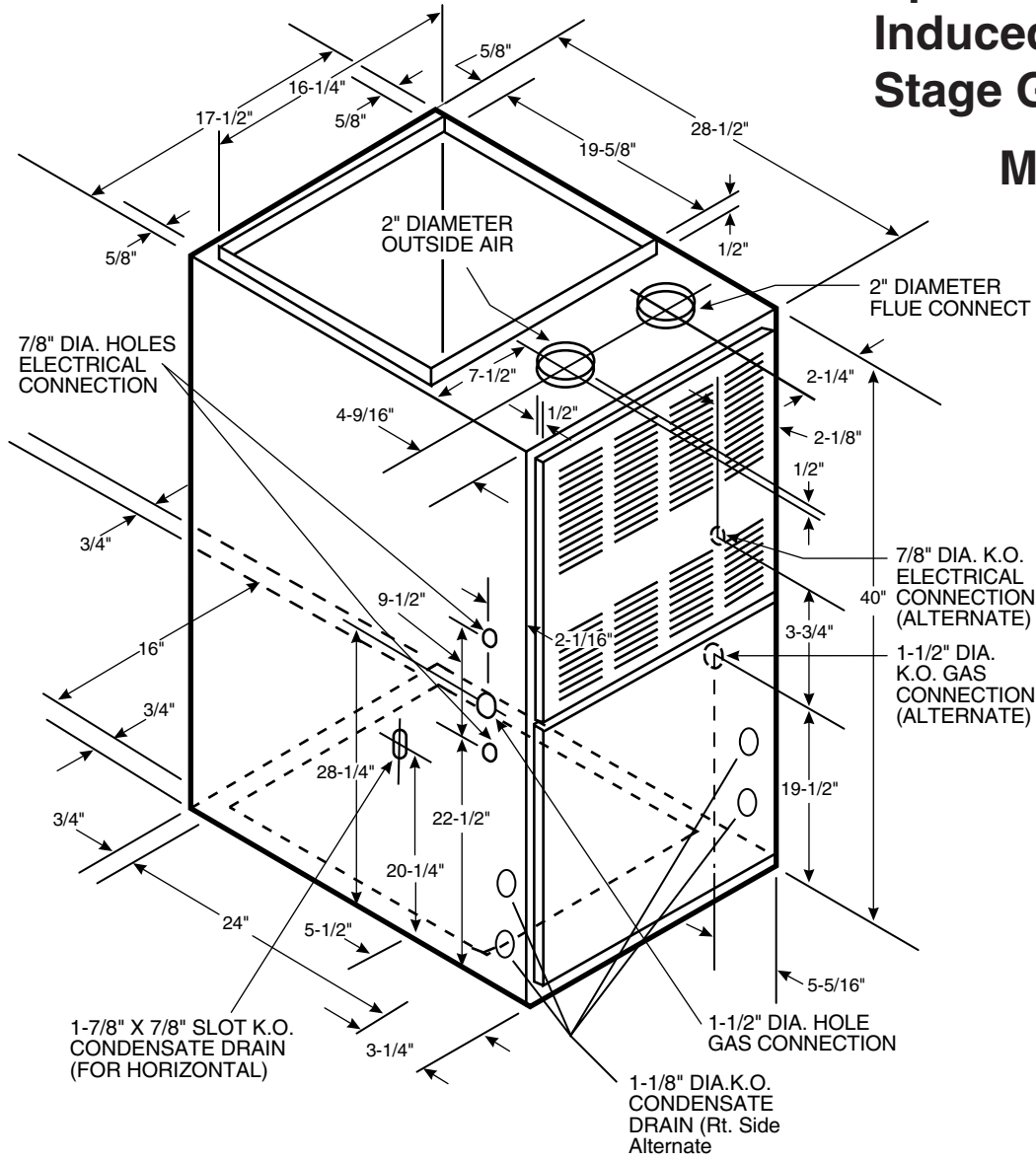
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P060BU36-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P080BU42AA



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
M951P080BU42AA	4 - HIGH - Black	1646	1611	1573	1530	1477	1421	1360	1289	1200
	3 - MED.-HIGH - Blue	1366	1356	1337	1311	1280	1243	1197	1139	1060
	2 - MED.-LOW - Yellow	1175	1159	1145	1130	1108	1081	1045	993	929
	1 - LOW - Red	1004	994	997	982	963	943	907	866	824

CFM VS. TEMPERATURE RISE														
MODEL	Cubic Feet Per Minute (CFM)													
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
M951P080BU42AA						64	59	54	50	47	44	41		

PRODUCT SPECIFICATIONS ^①

MODEL	M951P080BU42AA
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	80,000
Capacity BTUH (ICS) ^③	76,000
Temp. rise (Min.-Max.) °F.	35 - 65
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	11 x 8
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
COMBUSTION FAN - Type	
Drive - No. Speeds	Centrifugal Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity 1 - 17x25 - 1in.
VENT — Size (in.)	
	3 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	4 — 45
L.P. Gas Qty. — Drill Size	4 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	4
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	10.2
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	158 / 148

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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.

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Carmel, IN 46032



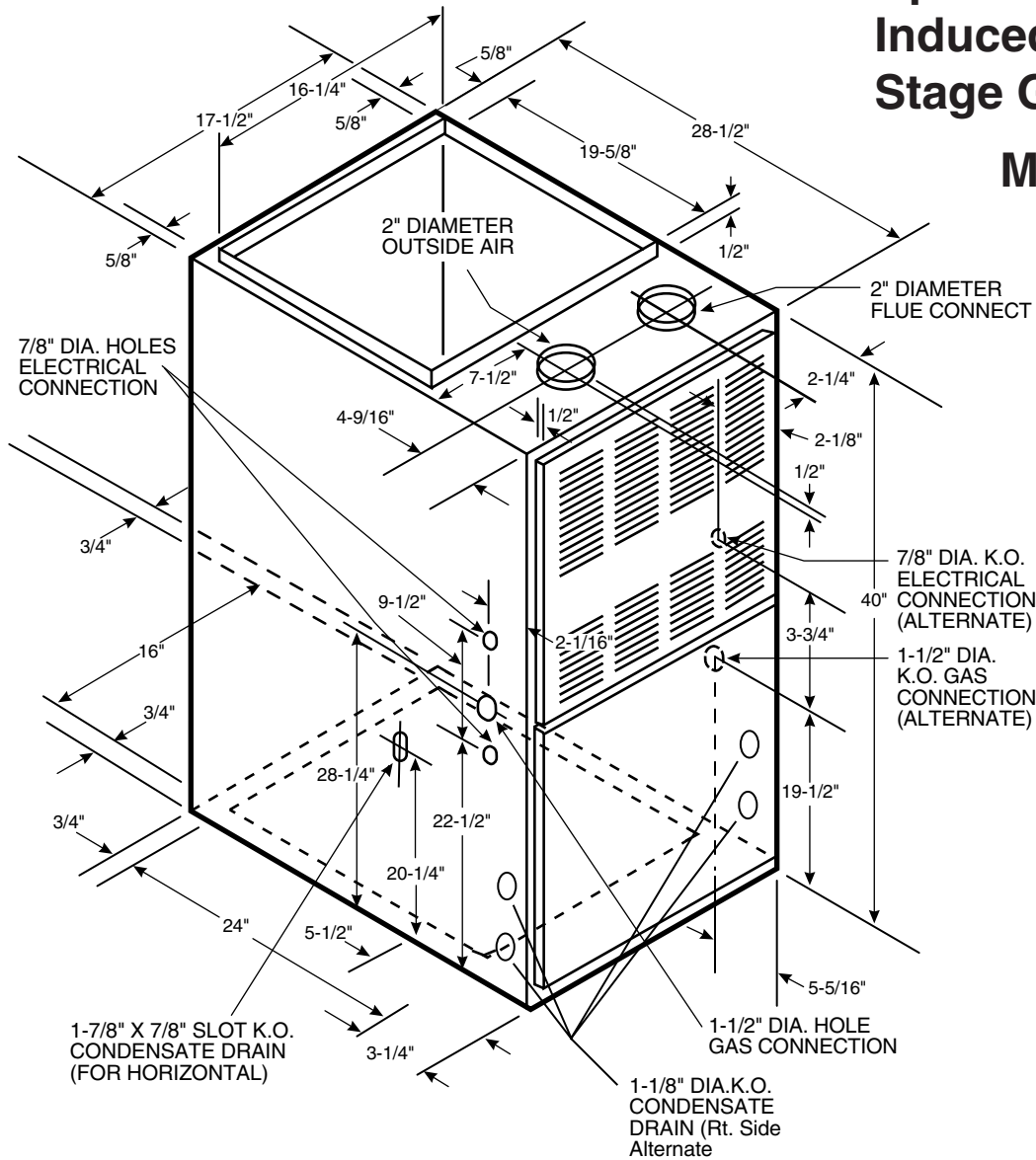
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P080BU42-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P080BU42AB



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
M951P080BU42AB	4 - HIGH - Black	1646	1611	1573	1530	1477	1421	1360	1289	1200
	3 - MED.-HIGH - Blue	1366	1356	1337	1311	1280	1243	1197	1139	1060
	2 - MED.-LOW - Yellow	1175	1159	1145	1130	1108	1081	1045	993	929
	1 - LOW - Red	1004	994	997	982	963	943	907	866	824

CFM VS. TEMPERATURE RISE

MODEL	Cubic Feet Per Minute (CFM)													
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
M951P080BU42AB						64	59	54	50	47	44	41		

PRODUCT SPECIFICATIONS ^①

MODEL	M951P080BU42AB
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	77,000
Capacity BTUH (ICS) ^③	73,150
Temp. rise (Min.-Max.) °F.	35 - 65
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	11 x 8
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
COMBUSTION FAN - Type	
Drive - No. Speeds	Centrifugal Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity 1 - 17x25 - 1in.
MIN VENT — Size (in.)	
	2 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	4 — 45
L.P. Gas Qty. — Drill Size	4 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	4
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	10.2
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	158 / 148

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

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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



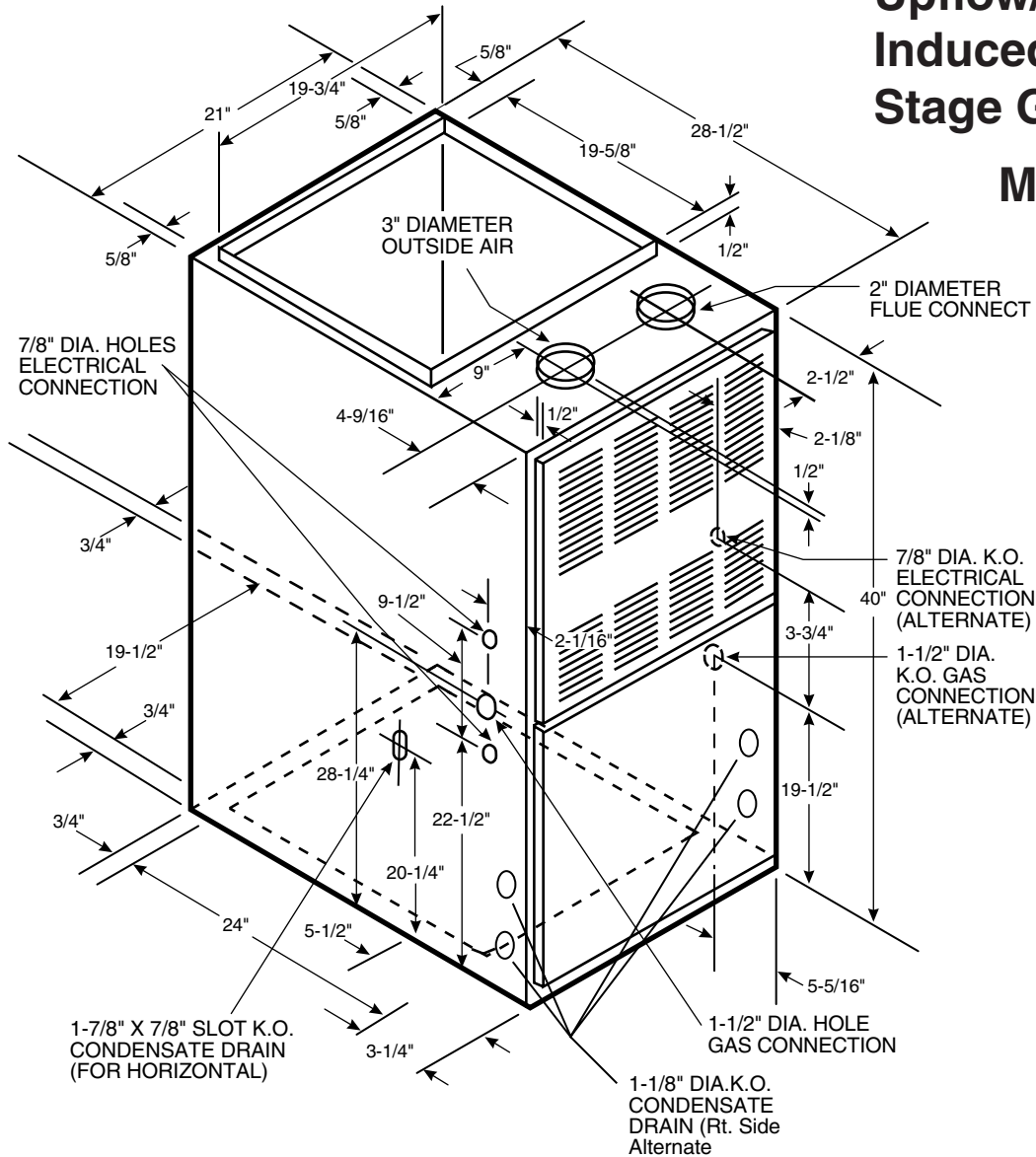
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	08/12
File No.	M951P080BU42-SUB-1A
Supersedes	M951P080BU42-SUB-1

TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P100CU48AA



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
M951P100CU48AA	4 - HIGH - Black	1982	1912	1836	1761	1679	1593	1496	1389	1267
	3 - MED.-HIGH - Blue	1892	1832	1765	1696	1621	1538	1446	1342	1205
	2 - MED.-LOW - Yellow	1759	1712	1660	1604	1536	1465	1383	1275	1149
	1 - LOW - Red	1593	1557	1521	1485	1433	1370	1294	1182	1068

CFM VS. TEMPERATURE RISE														
MODEL	Cubic Feet Per Minute (CFM)													
	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
M951P100CU48AA			68	63	59	55	52	49	46	44				

PRODUCT SPECIFICATIONS ^①

MODEL	M951P100CU48AA
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	97,000
Capacity BTUH (ICS) ^③	92,150
Temp. rise (Min.-Max.) °F.	35 - 65
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	10 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
COMBUSTION FAN - Type	
	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	
	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 20x25 - 1in.
VENT — Size (in.)	
	3 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	5 — 45
L.P. Gas Qty. — Drill Size	5 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	5
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	12.5
Max. Overcurrent Protection (Amps)	20
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 23 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	171 / 160

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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



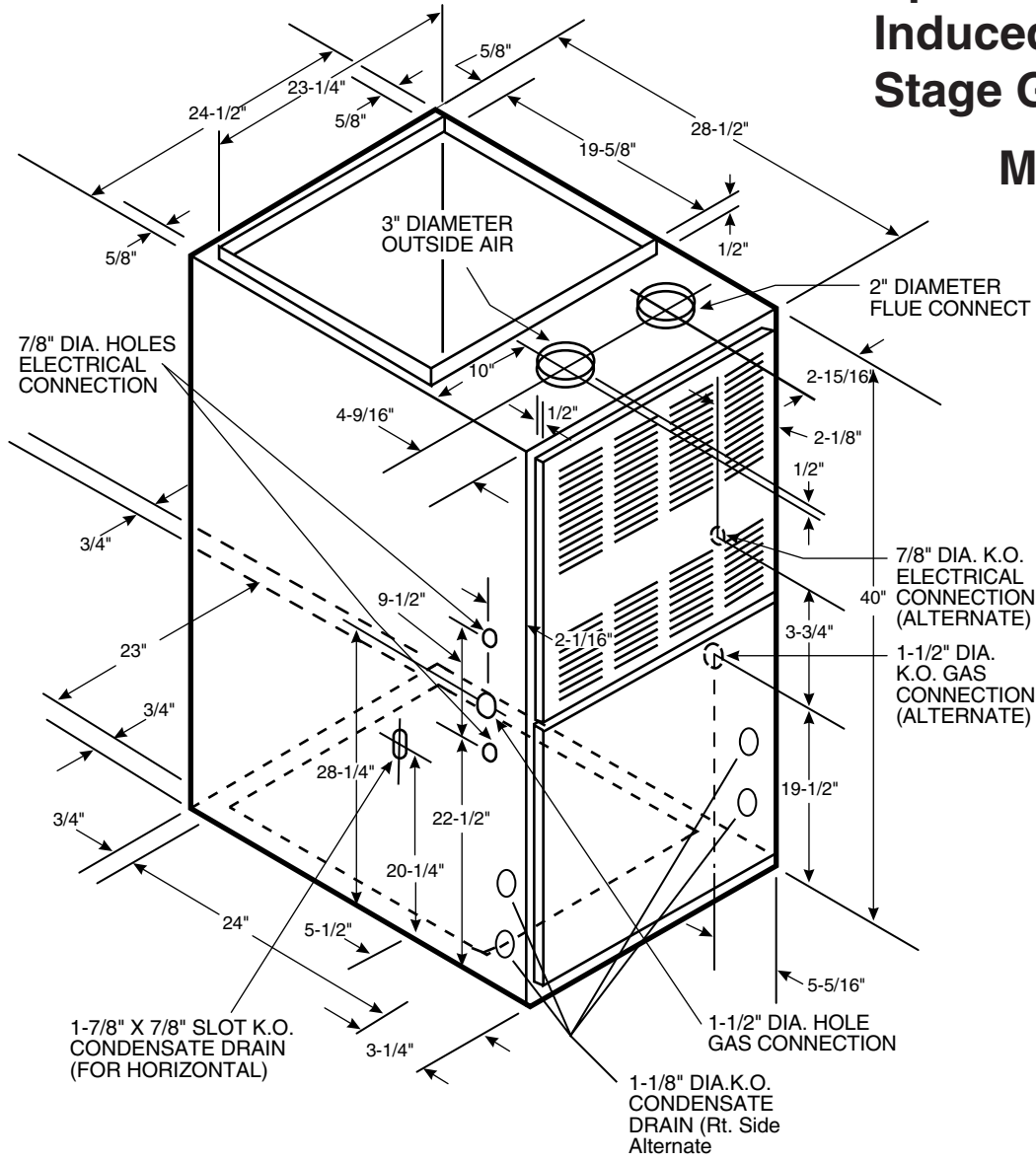
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P100CU48-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P100DU60AA



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
M951P100DU60AA	4 - HIGH - Black	2339	2287	2235	2168	2100	2021	1941	1858	1773
	3 - MED.-HIGH - Blue	2045	2021	1996	1947	1897	1836	1774	1701	1629
	2 - MED.-LOW - Yellow	1719	1703	1693	1671	1649	1607	1565	1498	1431
	1 - LOW - Red	1436	1430	1430	1414	1398	1372	1344	1287	1230

CFM VS. TEMPERATURE RISE														
MODEL	Cubic Feet Per Minute (CFM)													
	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
M951P100DU60AA			68	63	59	55	52	49	46	44	42	40	38	37

PRODUCT SPECIFICATIONS ^①

MODEL	M951P100DU60AA
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	97,000
Capacity BTUH (ICS) ^③	92,150
Temp. rise (Min.-Max.) °F.	35 - 65
BLOWER DRIVE	DIRECT
Diameter - Width (In.)	11 x 10
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance Table
Motor HP	3/4
R.P.M.	1100
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 24x25 - 1in.
VENT — Size (in.)	3 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	5 — 45
L.P. Gas Qty. — Drill Size	5 — 56
GAS VALVE	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	Multiport Inshot
Number	5
POWER CONN. — V/Ph/Hz ^④	115/1/60
Ampacity (In Amps)	12.9
Max. Overcurrent Protection (Amps)	20
PIPE CONN. SIZE (IN.)	1/2
DIMENSIONS	H x W x D
Crated (In.)	41-3/4 x 26-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	197 / 185

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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



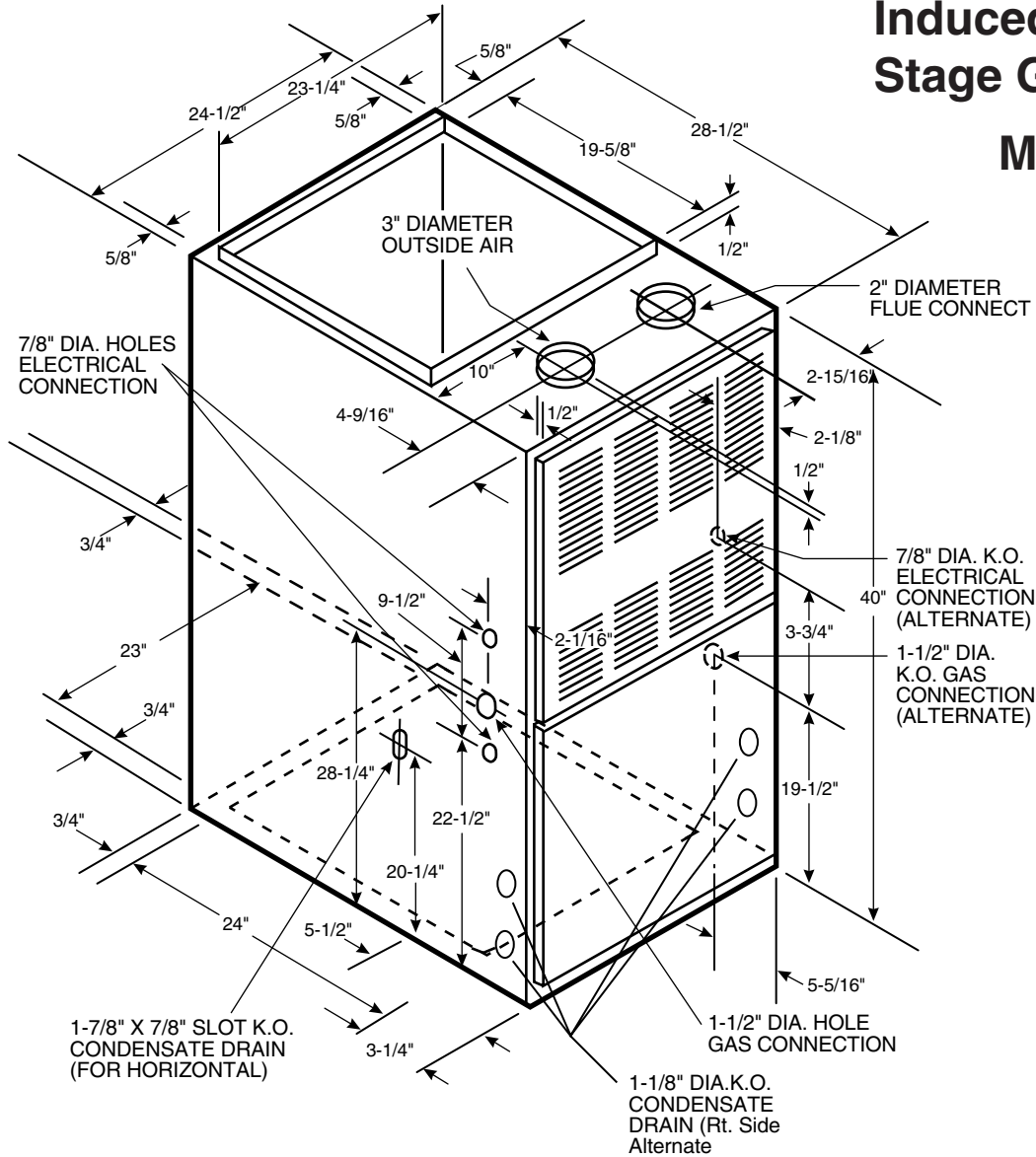
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P100DU60-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Upflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P120DU60AA



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
M951P120DU60AA	4 - HIGH - Black	2380	2334	2287	2241	2193	2118	2043	1956	1870
	3 - MED.-HIGH - Blue	2042	2029	2016	1984	1952	1892	1830	1771	1712
	2 - MED.-LOW - Yellow	1695	1690	1684	1668	1652	1627	1601	1545	1489
	1 - LOW - Red	1402	1404	1406	1397	1387	1358	1328	1285	1242

CFM VS. TEMPERATURE RISE												
MODEL	Cubic Feet Per Minute (CFM)											
	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
M951P120DU60AA			70	66	62	59	56	53	50	48	46	44

PRODUCT SPECIFICATIONS ^①

MODEL	M951P120DU60AA
TYPE	Upflow/Horizontal
RATINGS ^②	
Input BTUH ^③	110,000
Capacity BTUH (ICS) ^③	104,500
Temp. rise (Min.-Max.) °F.	40 - 70
BLOWER DRIVE	DIRECT
Diameter - Width (In.)	11 x 10
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance Table
Motor HP	3/4
R.P.M.	1100
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 24x25 - 1in.
VENT — Size (in.)	3 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	6 — 45
L.P. Gas Qty. — Drill Size	6 — 56
GAS VALVE	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	Multiport Inshot
Number	6
POWER CONN. — V/Ph/Hz ^④	115/1/60
Ampacity (In Amps)	12.9
Max. Overcurrent Protection (Amps)	20
PIPE CONN. SIZE (IN.)	1/2
DIMENSIONS	H x W x D
Crated (In.)	41-3/4 x 26-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	205 / 193

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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



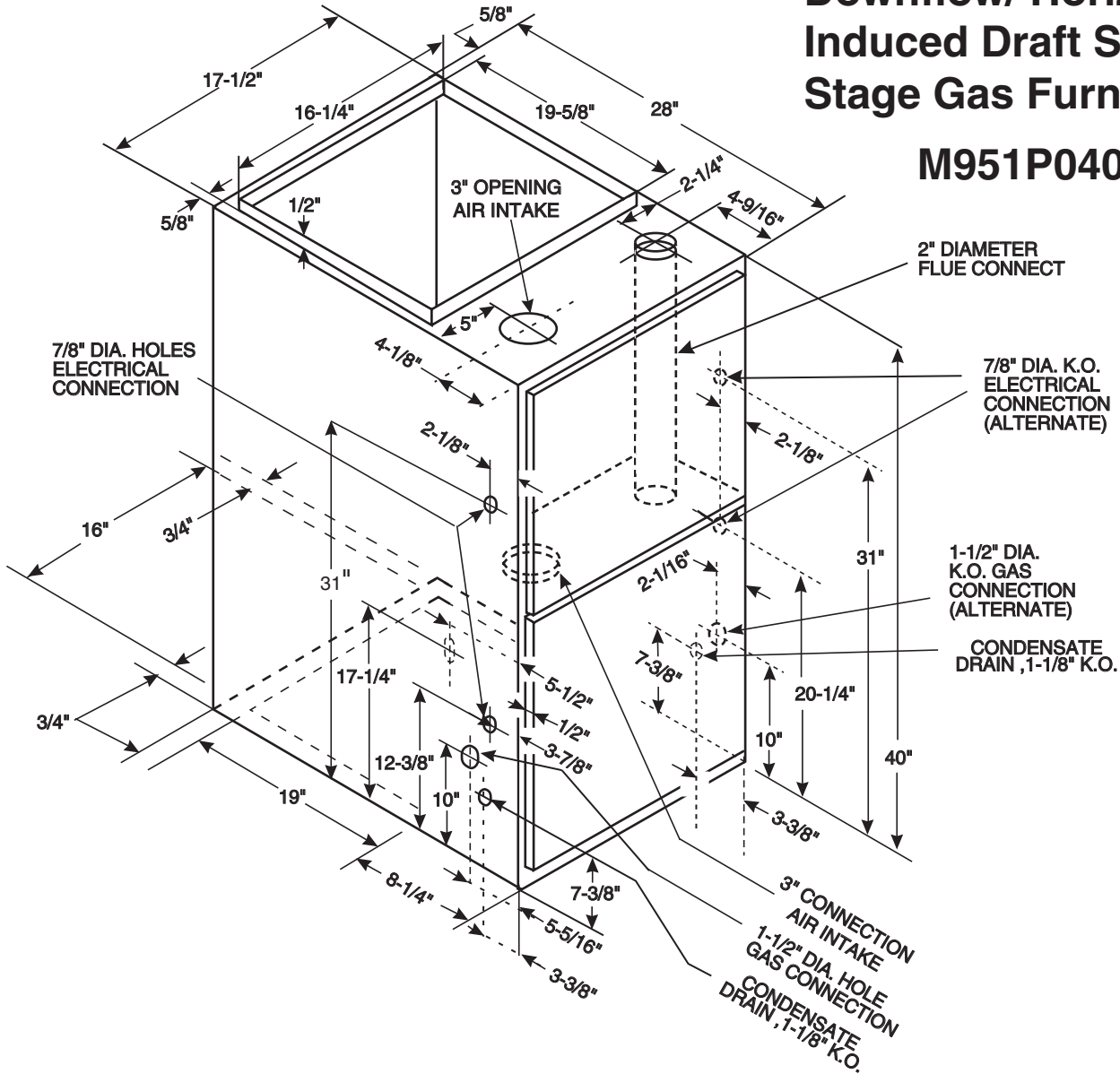
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P120DU60-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Downflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P040BD24AA



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
M951P040BD24AA	4 - HIGH - Black	998	965	922	870	807	735	653	561	459
	3 - MED.-HIGH - Blue	856	832	797	751	695	628	550	462	363
	2 - MED.-LOW - Yellow	753	728	694	650	596	533	460	378	286
	1 - LOW - Red	647	617	581	538	490	435	375	308	235

CFM VS. TEMPERATURE RISE

MODEL	Cubic Feet Per Minute (CFM)									
	600	700	800	900	1000	1100	1200	1300	1400	1500
M951P040BD24AA	59	50	44	39	35					

PRODUCT SPECIFICATIONS ^①

MODEL	M951P040BD24AA
TYPE	Downflow/Horizontal
RATINGS ^②	
Input BTUH ^③	40,000
Capacity BTUH (ICS) ^③	38,000
Temp. rise (Min.-Max.) °F.	30 - 60
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.	1080
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	
	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/55 - 3000
Volts/Ph/Hz	115/1/60
FLA	1.14
FILTER — Furnished?	
	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	2 - 14x20 - 1in.
VENT — Size (in.)	
	2 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	2 — 45
L.P. Gas Qty. — Drill Size	2 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	2
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	4.8
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	145 / 135

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY - The multispeed, direct drive blower motor, with sufficient air-flow 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



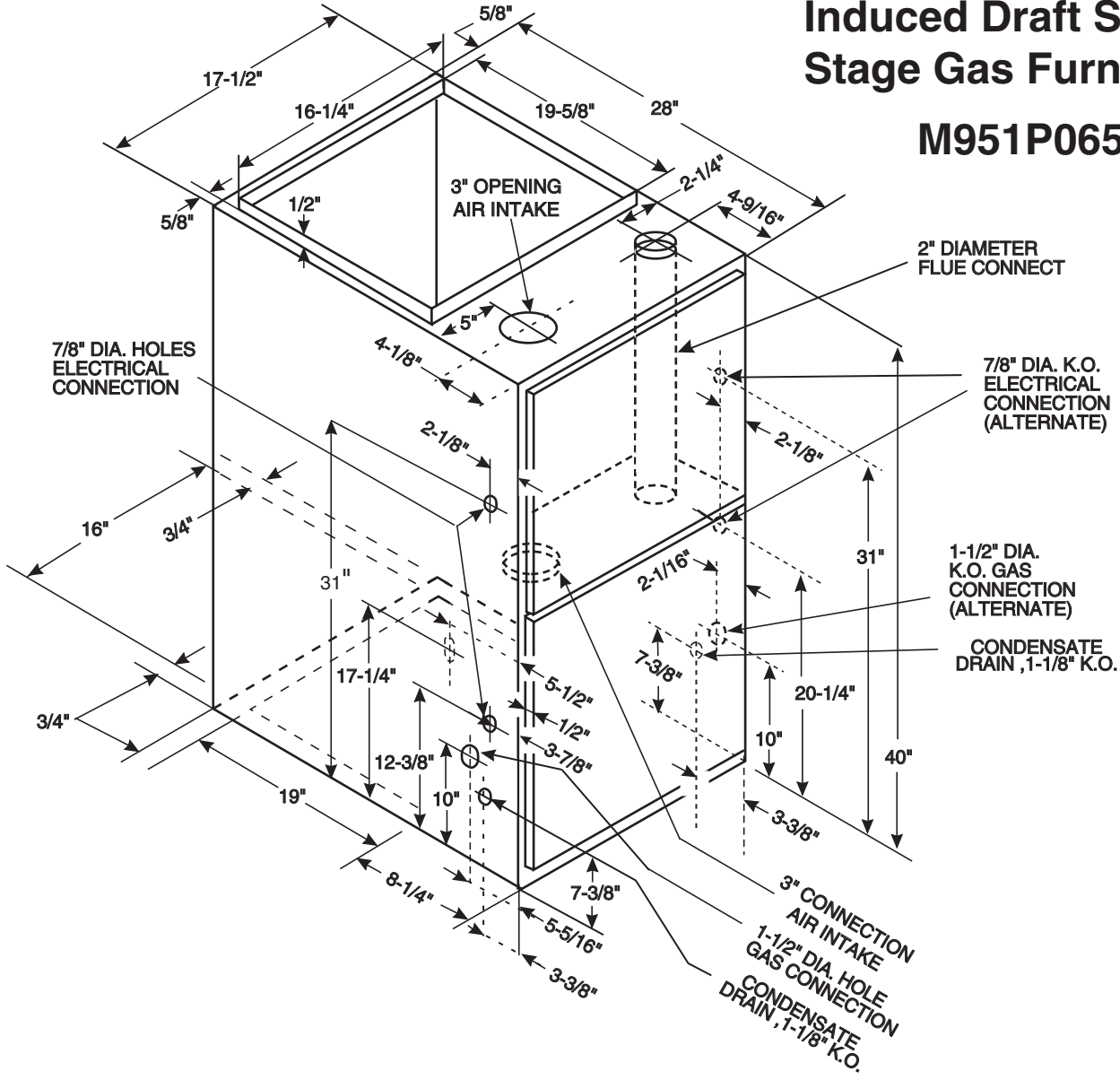
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P040BD24-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Downflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P065BD42AA



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
M951P065BD42AA	4 - HIGH - Black	1501	1453	1402	1344	1283	1216	1145	1068	986
	3 - MED.-HIGH - Blue	1442	1393	1341	1285	1227	1166	1103	1037	968
	2 - MED.-LOW - Yellow	1346	1308	1263	1212	1155	1092	1024	950	869
	1 - LOW - Red	1225	1197	1160	1116	1062	1001	931	853	766

CFM VS. TEMPERATURE RISE													
MODEL	Cubic Feet Per Minute (CFM)												
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	
M951P065BD42AA		75	66	59	53	48	44	41	38	35			

PRODUCT SPECIFICATIONS ^①

MODEL	M951P065BD42AA
TYPE	Downflow/Horizontal
RATINGS ^②	
Input BTUH ^③	60,000
Capacity BTUH (ICS) ^③	57,000
Temp. rise (Min.-Max.) °F.	25 - 55
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	11 x 8
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
COMBUSTION FAN - Type	
Drive - No. Speeds	Centrifugal Direct - 1
Motor HP - RPM	1/25 - 3200
Volts/Ph/Hz	115/1/60
FLA	1.35
FILTER — Furnished?	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity 2 - 14x20 - 1in.
VENT — Size (in.)	
	2 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas. Qty. — Drill Size	4 — 48
L.P. Gas Qty. — Drill Size	4 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	4
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	11.4
Max. Overcurrent Protection (Amps)	15
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	158 / 148

^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.

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^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

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



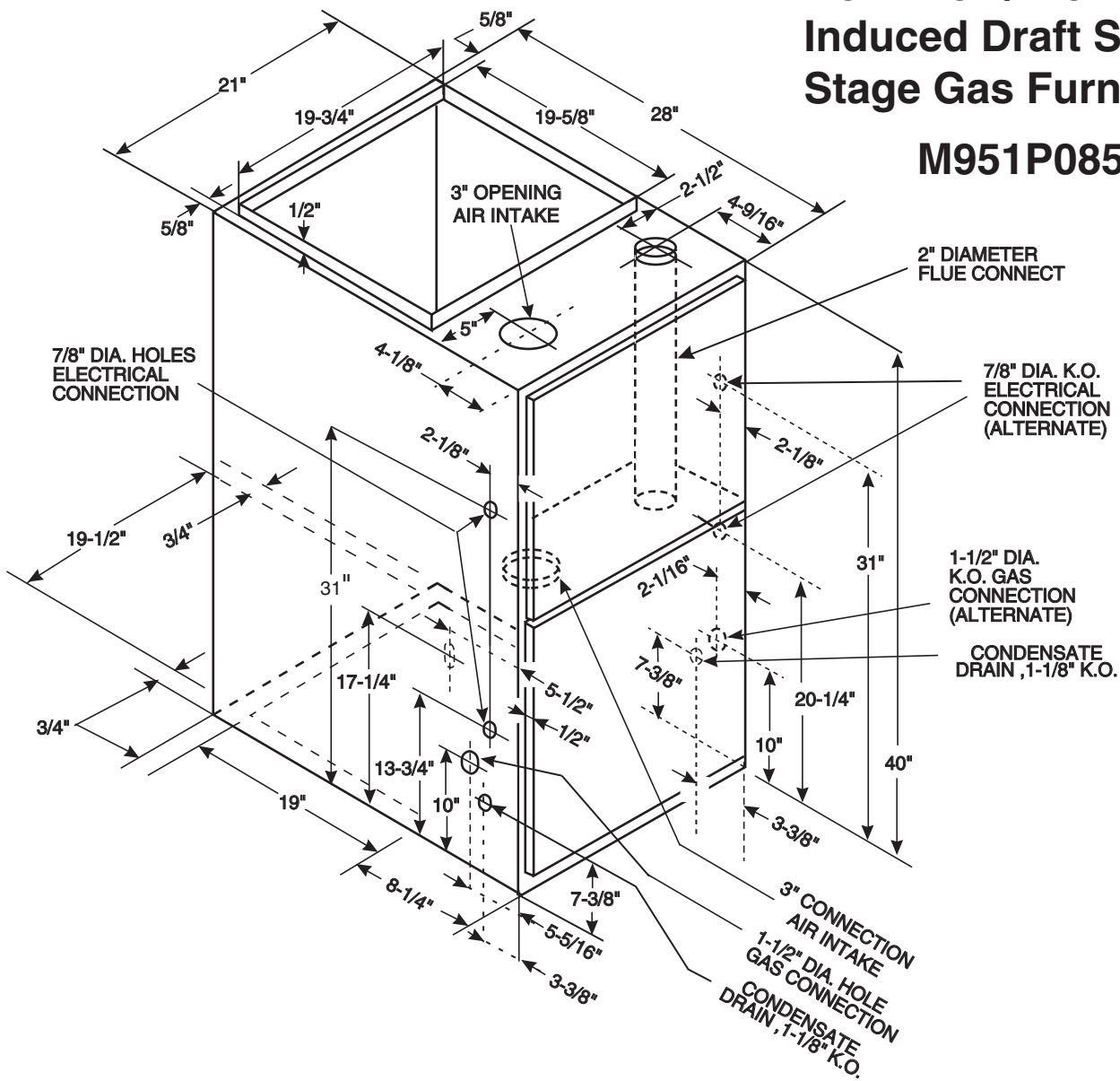
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P065BD42-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Downflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P085CD48AA



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
M951P085CD48AA	4 - HIGH - Black	1835	1772	1709	1637	1566	1485	1405	1313	1222
	3 - MED.-HIGH - Blue	1726	1674	1622	1557	1492	1416	1340	1252	1164
	2 - MED.-LOW - Yellow	1581	1539	1498	1440	1383	1321	1258	1172	1085
	1 - LOW - Red	1401	1374	1346	1308	1269	1209	1148	1075	1001

CFM VS. TEMPERATURE RISE														
MODEL	Cubic Feet Per Minute (CFM)													
	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
M951P085CD48AA		70	64	59	54	50	47	44	41	39	37			

PRODUCT SPECIFICATIONS ^①

MODEL	M951P085CD48AA
TYPE	Downflow/Horizontal
RATINGS ^②	
Input BTUH ^③	80,000
Capacity BTUH (ICS) ^③	76,000
Temp. rise (Min.-Max.) °F.	30 - 60
BLOWER DRIVE	
	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
COMBUSTION FAN - Type	
Drive - No. Speeds	Centrifugal Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	
Type Recommended	No
Hi Vel. (No.-Size-Thk.)	High Velocity 2 - 16x20 - 1in.
VENT — Size (in.)	
	2.5 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas. Qty. — Drill Size	5 — 48
L.P. Gas Qty. — Drill Size	5 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	5
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	12.5
Max. Overcurrent Protection (Amps)	20
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 23 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	171 / 160

^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 ex-changer and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no in-door air for combustion.

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 pro-vides total control of furnace limit sensors, blowers, gas valve, flame control and in-cludes self diagnostics for ease of service. The built-in, selectable "Cooling Fan Off" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

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.

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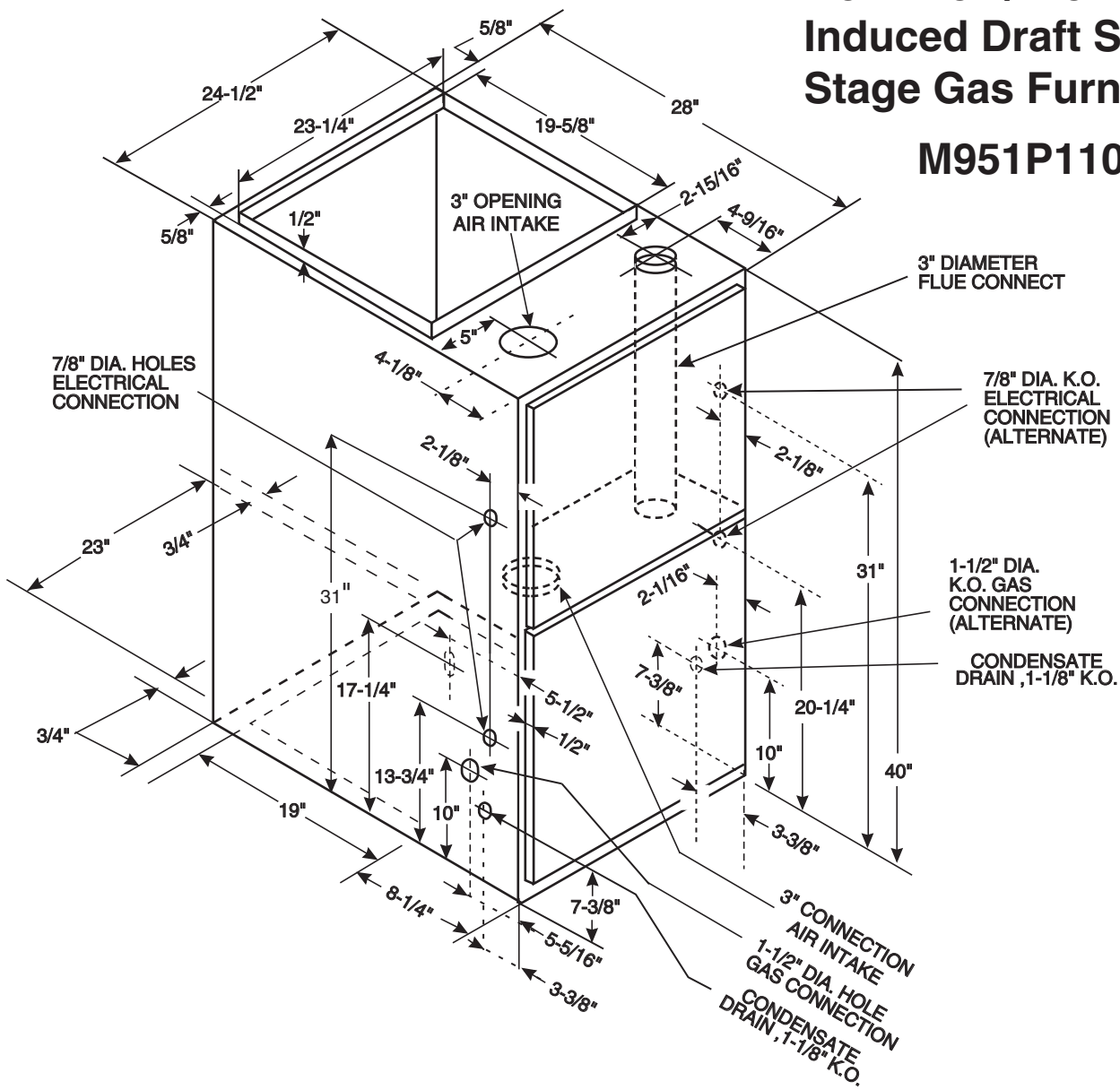
Library	Ameristar
Product Section	Furnaces
Product	Furnace
Model	M801
Literature Type	Submittal
Sequence	-
Date	07/12
File No.	M951P085CD48-SUB-1
Supersedes	New

TAG: _____

SUBMITTAL

Downflow/ Horizontal Induced Draft Single Stage Gas Furnace

M951P110DD60AA



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
M951P110DD60AA	4 - HIGH - Black	2147	2074	2000	1941	1881	1807	1732	1655	1576
	3 - MED.-HIGH - Blue	1995	1940	1885	1827	1767	1699	1631	1547	1462
	2 - MED.-LOW - Yellow	1712	1681	1649	1602	1555	1505	1455	1381	1307
	1 - LOW - Red	1424	1408	1392	1367	1341	1296	1251	1188	1124

CFM VS. TEMPERATURE RISE													
MODEL	Cubic Feet Per Minute (CFM)												
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
M951P110DD60AA		88	81	74	69	65	60	57	54	51	48	46	

PRODUCT SPECIFICATIONS ^①

MODEL	M951P110DD60AA
TYPE	Downflow/Horizontal
RATINGS ^②	
Input BTUH ^③	110,000
Capacity BTUH (ICS) ^③	104,500
Temp. rise (Min.-Max.) °F.	35 - 65
BLOWER DRIVE	
	DIRECT
Diameter - Width (In.)	11 x 10
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance Table
Motor HP	3/4
R.P.M.	1100
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	
	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
FLA	0.71
FILTER — Furnished?	
	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	2 - 16x20 - 1in.
VENT — Size (in.)	
	2.5 Round

HEAT EXCHANGER	
Type - Fired	Aluminized Steel - Type I
- Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat. Gas Qty. — Drill Size	6 — 48
L.P. Gas Qty. — Drill Size	6 — 56
GAS VALVE	
	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	
	Multiport Inshot
Number	6
POWER CONN. — V/Ph/Hz ^④	
	115/1/60
Ampacity (In Amps)	12.9
Max. Overcurrent Protection (Amps)	20
PIPE CONN. SIZE (IN.)	
	1/2
DIMENSIONS	
	H x W x D
Crated (In.)	41-3/4 x 26-1/2 x 30-1/2
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	205 / 193

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Date	07/12
File No.	M951P110DD60-SUB-1
Supersedes	New