



PRODUCT SPECIFICATIONS



80% AFUE

HEATING INPUT: 70,000-115,000 BTU/H



* To receive the Lifetime Heat Exchanger Limited Warranty, Lifetime Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. Full warranty details available at www.amana-hac.com.

AMV8/ADV8

TWO-STAGE, VARIABLE SPEED GAS FURNACE

The Amana® brand AMV8/ADV8 two-stage, variable-speed multi-position, gas furnaces provide exceptional indoor comfort and quiet operation. With their two-stage gas valves and variable-speed circulator blowers, these furnaces provide comfort all season long.

Standard Features

- Patented MillionAir™ stainless-steel, dual-diameter tubular heat exchanger with Lifetime Limited Unit Replacement Warranty* for as long as the original registered homeowner owns their home
- Two-stage gas valve operates on two-stage or single-stage thermostats
- Efficient and quiet variable-speed circulator motor gently ramps up or down according to heating or cooling demand
- SureStart™ Silicon Nitride igniter designed for long igniter life
- Furnace control board with self-diagnostics, color-coded low-voltage terminals, and provisions for electronic air cleaner and 120-volt or 24-volt humidifiers
- Low constant fan allows homeowner to activate very low speed to efficiently circulate air throughout the home. This setting costs as little as a 100-watt light bulb to operate.
- Quiet, two-speed induced draft blower
- All models comply with California NOx emissions standards



Cabinet Features

- Fully insulated, heavy-gauge steel cabinet with durable baked-enamel finish
- Designed for multi-position installation: upflow, horizontal left or right
- Removable bottom for side- or bottom-return applications
- Convenient left or right connection for gas/electric service
- Coil and furnace fit flush for most installations

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NOMENCLATURE

	A	M	V	8	70	3	B	X	A	
	1	2	3	4	5,6,7	8	9	10	11	
Brand	A Amana® Brand								Revisions	A Initial Release B 1st Revision C 2nd Revision
Airflow Direction	C Downflow/Horizontal D Dedicated Downflow H High Airflow K Dedicated Upflow M Upflow/Horizontal								NOx	N Natural Gas X Low NOx
Description	V Two-Stage/Variable-speed H Two-Stage/Multi-speed S Single-Stage/Multi-speed								Cabinet Width	A 14" B 17½" C 21" D 24½"
AFUE	95 95% 9 90%+ 8 80%								Maximum CFM @ 0.5" ESP	3 1,200 4 1,600 5 2,000
									MBTU/h	045: 45,000 115: 115,000 070: 70,000 140: 140,000 090: 90,000

SPECIFICATIONS

	AMV8 0704BXB	AMV8 0905CXB	AMV8 1155CXB	ADV8 0703BXB	ADV8 0905CXB	ADV8 1155CXB
HEATING CAPACITY						
High Fire Input (BTU/h) ¹	70,000	90,000	115,000	70,000	90,000	115,000
High Fire Output (BTU/h) ¹ (below)						
Natural Gas	57,000	74,000	93,000	57,400	73,600	92,000
LP Gas	49,000	64,000	82,000	49,252	64,246	85,961
Low Fire Input (BTU/h) ¹	52,500	67,500	86,000	52,500	67,500	86,000
Low Fire Output (BTU/h) ¹ (below)						
Natural Gas	42,000	54,000	69,000	42,000	54,000	69,000
LP Gas	42,000	54,000	69,000	43,096	55,409	70,595
AFUE ²	80	80	80	80	80	80
Available AC @ 0.5" ESP	1.5 - 3.0	2.0 - 5.0	2.0 - 5.0	1.5 - 3.0	2.0 - 5.0	2.0 - 5.0
Temperature Rise Range (° F)	20 - 50	25 - 55	25 - 55	20 - 50	20 - 50	25 - 55
CIRCULATOR BLOWER						
Size (D x W)	10" x 8"	10" x 10"	10" x 10"	10" x 8"	10" x 10"	10" x 10"
Horsepower @ 1750 RPM	¾	¾	¾	½	¾	¾
Speed	Variable	Variable	Variable	Variable	Variable	Variable
Vent Diameter ¹	4"	4"	4"	4"	4"	4"
No. of Burners	3	4	5	3	4	5
Disposable Filter Size (in ²)	576	460	460	576	460	460
ELECTRICAL DATA						
Min. Circuit Ampacity ³	11.7	11.7	11.7	10.4	12.8	12.8
Max. Overcurrent Device (amps) ⁴	15	15	15	15	15	15
Ship Weight (lbs)	152	178	194	156	182	202

¹ Natural Gas BTU/h. For altitudes above 2,000', reduce input rating 4% for each 1,000' above sea level.

² DOE AFUE based upon Isolated Combustion System (ICS)

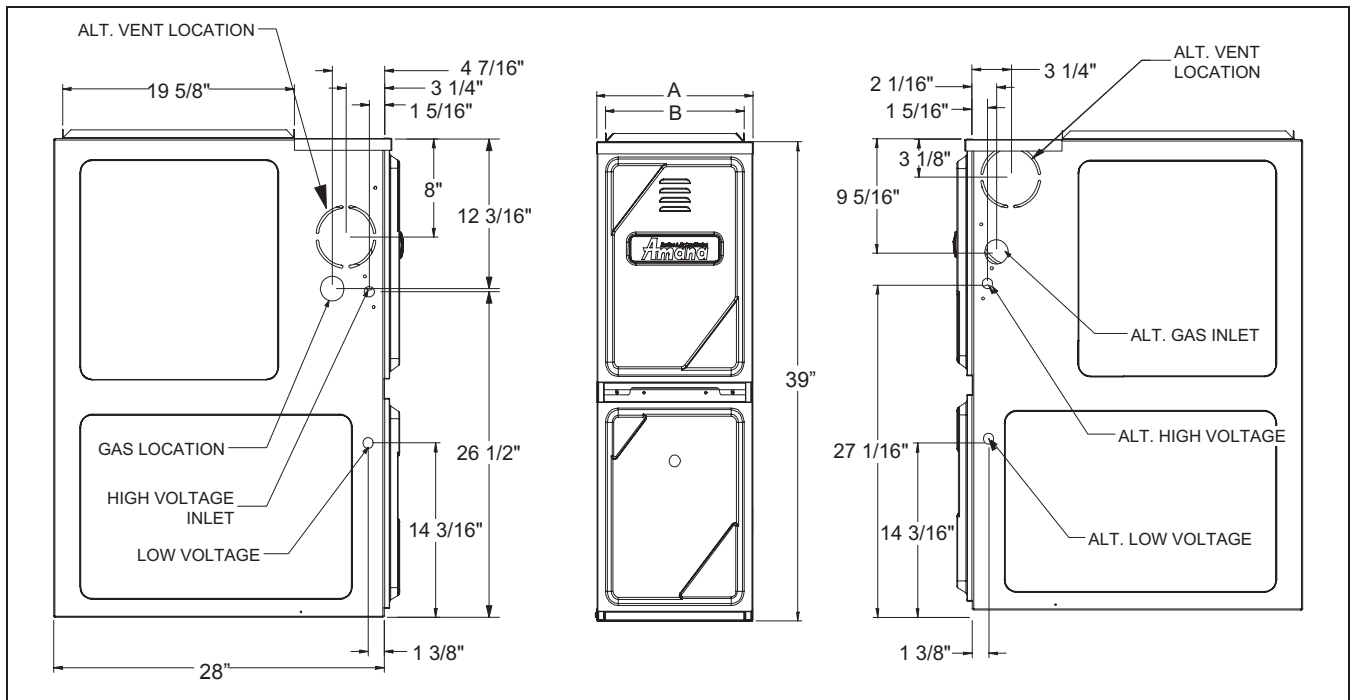
³ Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

⁴ Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.

AMV8 DIMENSIONS



MODEL	W	D	H
AMV80704BXB	17 1/2"	28"	39"
AMV80905CXB	21"	28"	39"
AMV81155CXB	21"	28"	39"

A	B
17 1/2"	16"
21"	19 1/2"
21"	19 1/2"

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

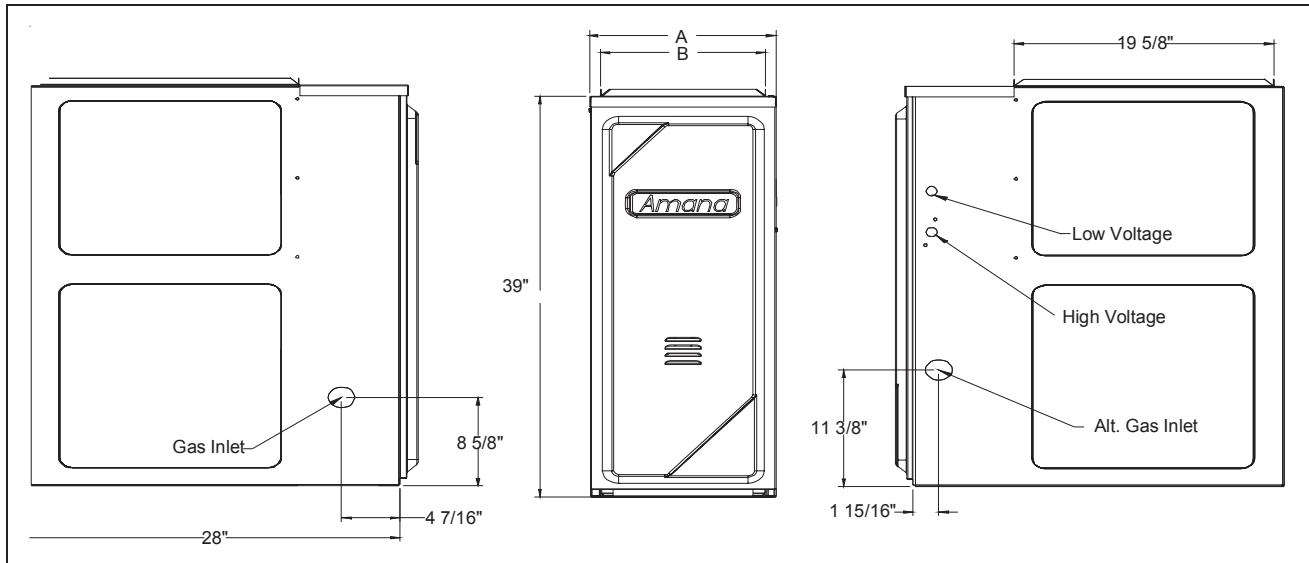
SIDES	REAR	FRONT ¹	VENT ²		TOP
			SW	B	
1	0	3	6	1	1

Approved for line contact in the horizontal position.

¹ 24" clearance for serviceability recommended.

² Single Wall Vent (SW) to be used only as a connector. Refer to the venting tables outlined in the Installation Manual for additional venting requirements.

ADV8 DIMENSIONS



MODEL	A	B
ADV80703BXB	14"	12½"
ADV80905CXB	21"	19½"
ADV81155CXB	21"	19½"

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

SIDES	REAR	FRONT ¹	VENT ²		TOP
			SW	B	
1	0	3	6	1	1

NOTES

Approved for line contact in the horizontal position.

¹ 24" clearance for serviceability recommended.

² Single Wall Vent (SW) to be used only as a connector. Refer to the venting tables outlined in the Installation Manual for additional venting requirements.

AMV8 PERFORMANCE DATA

HIGH- OR SINGLE-STAGE COOLING SPEEDS — AMV8

AMV80704BXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	540
	Normal	600
	Plus (+)	660
B	Minus (-)	720
	Normal	800
	Plus (+)	880
C	Minus (-)	990
	Normal	1,100
	Plus (+)	1,210
D	Minus (-)	1,260
	Normal	1,400
	Plus (+)	1,540

AMV80905CXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	720
	Normal	800
	Plus (+)	880
B	Minus (-)	990
	Normal	1,100
	Plus (+)	1,210
C	Minus (-)	1,260
	Normal	1,400
	Plus (+)	1,540
D	Minus (-)	1,620
	Normal	1,800
	Plus (+)	1,980

AMV81155CXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	720
	Normal	800
	Plus (+)	880
B	Minus (-)	990
	Normal	1,100
	Plus (+)	1,210
C	Minus (-)	1,260
	Normal	1,400
	Plus (+)	1,540
D	Minus (-)	1,620
	Normal	1,800
	Plus (+)	1,980

LOW-STAGE COOLING SPEEDS — AMV8

AMV80704BXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	361†
	Normal	390
	Plus (+)	429
B	Minus (-)	468
	Normal	520
	Plus (+)	572
C	Minus (-)	644
	Normal	715
	Plus (+)	787
D	Minus (-)	819
	Normal	910
	Plus (+)	1,001

AMV80905CXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	563†
	Normal	563†
	Plus (+)	572
B	Minus (-)	644
	Normal	715
	Plus (+)	787
C	Minus (-)	819
	Normal	910
	Plus (+)	1,001
D	Minus (-)	1,053
	Normal	1,170
	Plus (+)	1,287

AMV81155CXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	563†
	Normal	563†
	Plus (+)	572
B	Minus (-)	644
	Normal	715
	Plus (+)	787
C	Minus (-)	819
	Normal	910
	Plus (+)	1,001
D	Minus (-)	1,053
	Normal	1,170
	Plus (+)	1,287

* Motor CFM maximum † Motor CFM minimum

NOTES

- These charts are for furnaces installed at 0' - 2,000'. At higher altitudes, a properly de-rated unit will have the same temperature rise at a particular CFM, while the ESP at that CFM will be lower.
- THE INSTALLATION IS TO BE ADJUSTED TO OBTAIN A TEMPERATURE RISE WITHIN THE RANGE LISTED ON THE FURNACE NAMEPLATE.
- Propane gas installations will have a high-stage rise approximately 4° lower than shown in the tables.

AMV8 PERFORMANCE DATA (CONT.)

COOLING-BASED CONTINUOUS FAN – AMV8

AMV80704BXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	361†
	Normal	361†
	Plus (+)	370
B	Minus (-)	403
	Normal	448
	Plus (+)	493
C	Minus (-)	554
	Normal	616
	Plus (+)	678
D	Minus (-)	706
	Normal	784
	Plus (+)	862

AMV80905CXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	563†
	Normal	563†
	Plus (+)	563†
B	Minus (-)	563†
	Normal	616
	Plus (+)	678
C	Minus (-)	706
	Normal	784
	Plus (+)	862
D	Minus (-)	907
	Normal	1,008
	Plus (+)	1,109

AMV81155CXB		
COOLING SPEED TAP	ADJUST TAP	CFM @ .1" TO .8" W.C. ESP
A	Minus (-)	563†
	Normal	563†
	Plus (+)	563†
B	Minus (-)	563†
	Normal	616
	Plus (+)	678
C	Minus (-)	706
	Normal	784
	Plus (+)	862
D	Minus (-)	907
	Normal	1,008
	Plus (+)	1,109

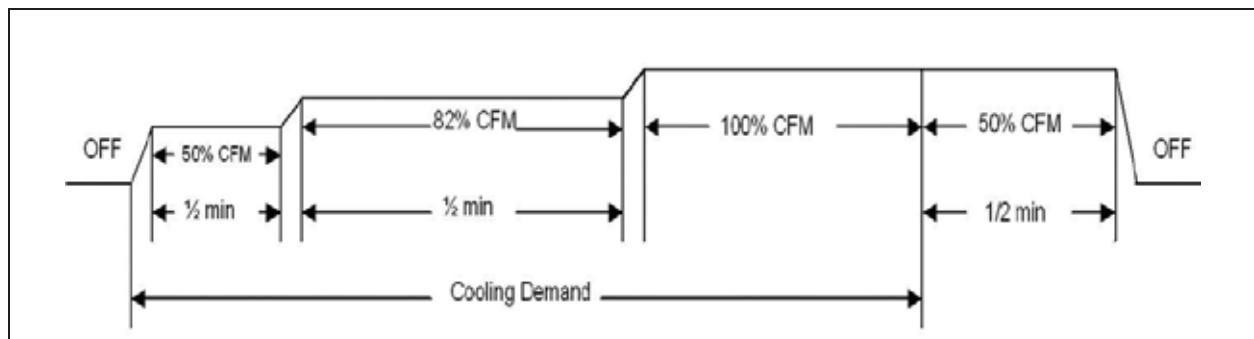
* Motor CFM maximum
 † Motor CFM minimum

NOTES:

- These charts are for furnaces installed at 0' - 4,500'. At higher altitudes, a properly de-rated unit will have the same temperature rise at a particular CFM, while the ESP at that CFM will be lower.
- THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE WITHIN THE RANGE LISTED ON THE FURNACE NAMEPLATE.
- Propane gas installations will have a high-stage rise approximately 4° lower than shown in the tables.

AUTO-COMFORT MODE

During Auto-Comfort mode, the furnace ramps up to 50% of the demand for half a minute. It then ramps to 82% of the full cooling demand airflow and operates there for approximately 7½ minutes. The motor then steps up to the full demand airflow. This mode spends a half minute at 50% airflow OFF delay.



AMV8 PERFORMANCE DATA (CONT.)

HEATING SPEEDS

AMV80704BXB (RISE RANGE: 20° - 50 °F)				
HEATING SPEED TAP	ADJUST TAP	LOW STAGE CFM ¹	HIGH STAGE CFM ¹	RISE °F
A	Minus (-)	810	1,077	48
	Normal	900	1,197	43
	Plus(+)	990	1,317	39
B	Minus (-)	900	1,197	43
	Normal	1,000	1,330	39
	Plus(+)	1,100	1,463	35
C	Minus (-)	990	1,317	39
	Normal	1,100	1,463	35
	Plus(+)	1,210	1,609	32
D	Minus (-)	1,080	1,436	36
	Normal	1,200	1,596	32
	Plus(+)	1,320	1650*	29

¹ @ .1" to .5" w.c. ESP

* Motor CFM maximum

AMV80905CXB (RISE RANGE: 25° - 55°F)				
HEATING SPEED TAP	ADJUST TAP	LOW STAGE CFM ¹	HIGH STAGE CFM ¹	RISE °F
A	Minus (-)	945	1,257	53
	Normal	1,050	1,397	48
	Plus(+)	1,155	1,536	43
B	Minus (-)	1,035	1,377	48
	Normal	1,150	1,530	43
	Plus(+)	1,265	1,682	40
C	Minus (-)	1,125	1,496	44
	Normal	1,250	1,663	40
	Plus(+)	1,375	1,829	36
D	Minus (-)	1,215	1,616	41
	Normal	1,350	1,796	37
	Plus(+)	1,485	1,975	34

† Motor CFM minimum

AMV81155CXB (RISE RANGE: 25° - 55°F)				
HEATING SPEED TAP	ADJUST TAP	LOW STAGE CFM ¹	HIGH STAGE CFM ¹	RISE °F
A	Minus (-)	1,170	1,556	55
	Normal	1,300	1,729	49
	Plus(+)	1,430	1,902	45
B	Minus (-)	1,215	1,616	53
	Normal	1,350	1,796	47
	Plus(+)	1,485	1,975	43
C	Minus (-)	1,260	1,676	51
	Normal	1,400	1,862	46
	Plus(+)	1,540	2000*	41
D	Minus (-)	1,373	1,825	47
	Normal	1,525	2000*	42
	Plus(+)	1,678	2000*	38

¹ @ .1" to .5" w.c. ESP

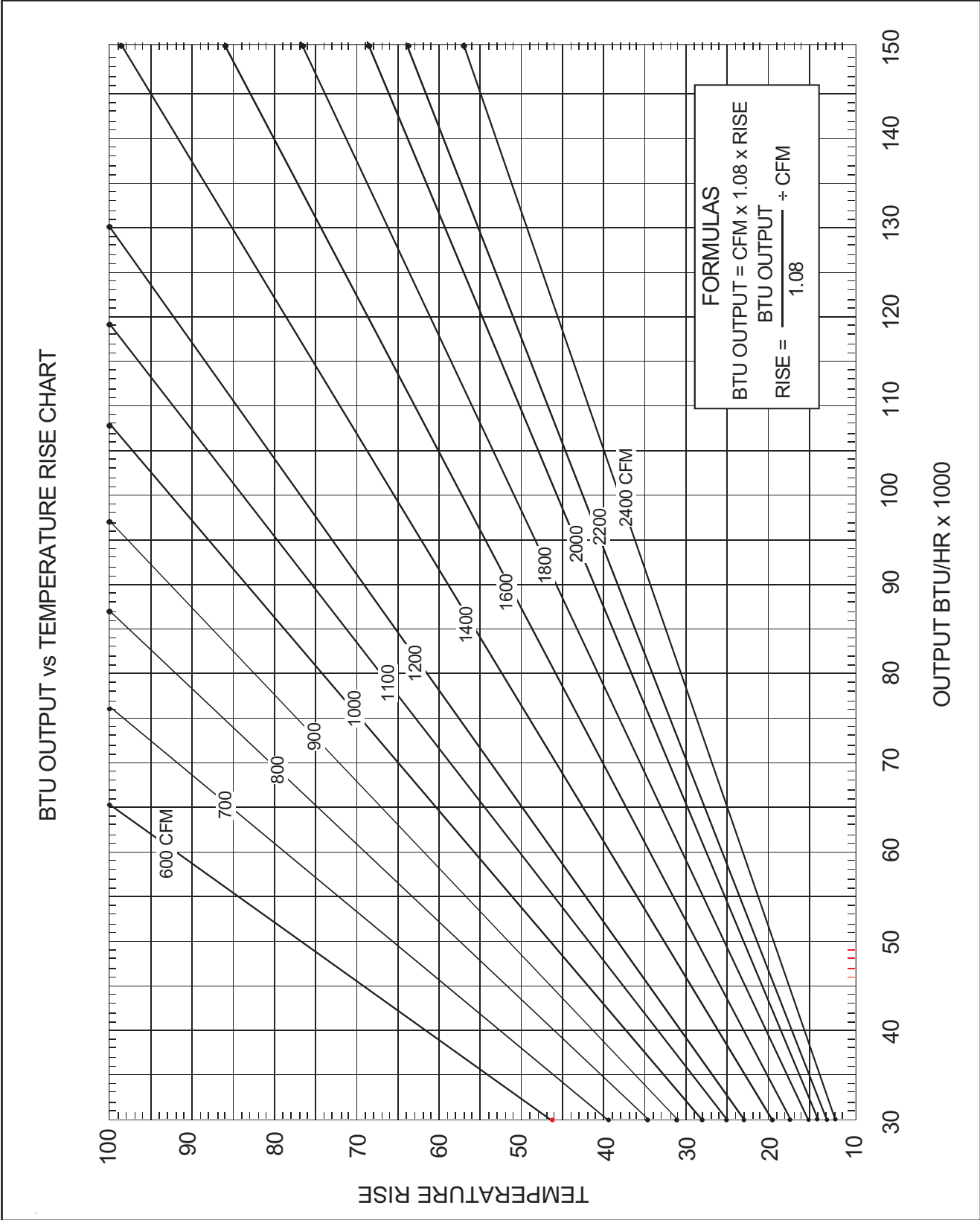
* Motor CFM maximum

† Motor CFM minimum

NOTES

- These charts are for furnaces installed at 0' - 4,500'. At higher altitudes, a properly de-rated unit will have the same temperature rise at a particular CFM, while the ESP at that CFM will be lower.
- The installation must be adjusted to obtain a temperature rise within the range listed on the furnace nameplate.
- Do not operate above .5" w.c. ESP in heating mode.
- Propane gas installations will have a high-stage rise approximately 4° lower than shown in the tables.

AMV8 TEMPERATURE RISE CHART



ADV8 PERFORMANCE DATA

HIGH- OR SINGLE-STAGE COOLING SPEEDS

ADV80703BXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	540
	Normal	600
	Plus (+)	660
B	Minus (-)	720
	Normal	800
	Plus (+)	880
C	Minus (-)	900
	Normal	1,000
	Plus (+)	1,100
D	Minus (-)	1,080
	Normal	1,200
	Plus (+)	1,320

ADV80905CXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	720
	Normal	800
	Plus (+)	880
B	Minus (-)	990
	Normal	1,100
	Plus (+)	1,210
C	Minus (-)	1,260
	Normal	1,400
	Plus (+)	1,540
D	Minus (-)	1,620
	Normal	1,800
	Plus (+)	1,980

ADV81155CXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	765
	Normal	850
	Plus (+)	935
B	Minus (-)	1,035
	Normal	1,150
	Plus (+)	1,265
C	Minus (-)	1,305
	Normal	1,450
	Plus (+)	1,595
D	Minus (-)	1,665
	Normal	1,850
	Plus (+)	2000*

LOW-STAGE COOLING SPEEDS

ADV80703BXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	351†
	Normal	390
	Plus (+)	429
B	Minus (-)	468
	Normal	520
	Plus (+)	572
C	Minus (-)	585
	Normal	650
	Plus (+)	715
D	Minus (-)	702
	Normal	780
	Plus (+)	858

ADV80905CXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	468
	Normal	520
	Plus (+)	572
B	Minus (-)	644
	Normal	715
	Plus (+)	787
C	Minus (-)	819
	Normal	910
	Plus (+)	1,001
D	Minus (-)	1,053
	Normal	1,170
	Plus (+)	1,287

ADV81155CXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	563†
	Normal	563†
	Plus (+)	619
B	Minus (-)	673
	Normal	748
	Plus (+)	822
C	Minus (-)	848
	Normal	943
	Plus (+)	1,037
D	Minus (-)	1,082
	Normal	1,203
	Plus (+)	1,323

¹ @ .1" to .8" W.C. ESP

* Motor CFM maximum

† Motor CFM minimum

NOTES

- These charts are for furnaces installed at 0' - 4,500'. At higher altitudes, a properly de-rated unit will have the same temperature rise at a particular CFM, while the ESP at that CFM will be lower.
- THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE WITHIN THE RANGE LISTED ON THE FURNACE NAMEPLATE.
- Propane gas installations will have a high-stage rise approximately 4° lower than shown in the tables.

ADV8 PERFORMANCE DATA (CONT.)

COOLING-BASED CONTINUOUS FAN

ADV80703BXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	302
	Normal	336
	Plus (+)	370
B	Minus (-)	403
	Normal	448
	Plus (+)	493
C	Minus (-)	504
	Normal	560
	Plus (+)	616
D	Minus (-)	605
	Normal	672
	Plus (+)	739

ADV80905CXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	403
	Normal	448
	Plus (+)	493
B	Minus (-)	554
	Normal	616
	Plus (+)	678
C	Minus (-)	706
	Normal	784
	Plus (+)	862
D	Minus (-)	907
	Normal	1,008
	Plus (+)	1,109

ADV81155CXB		
COOLING SPEED TAP	ADJUST TAP	CFM ¹
A	Minus (-)	563†
	Normal	563†
	Plus (+)	563†
B	Minus (-)	580
	Normal	644
	Plus (+)	708
C	Minus (-)	731
	Normal	812
	Plus (+)	893
D	Minus (-)	932
	Normal	1,036
	Plus (+)	1,140

¹ @ .1" to .8" W.C. ESP

* Motor CFM maximum

† Motor CFM minimum

NOTES:

- These charts are for furnaces installed at 0' - 4,500. At higher altitudes, a properly de-rated unit will have the same temperature rise at a particular CFM, while the ESP at that CFM will be lower.
- THE INSTALLATION MUST BE ADJUSTED TO OBTAIN A TEMPERATURE RISE WITHIN THE RANGE LISTED ON THE FURNACE NAMEPLATE.
- Propane gas installations will have a high-stage rise approximately 4° lower than shown in the tables.

ADV8 PERFORMANCE DATA (CONT.)

HEATING SPEEDS

ADV80703BXB (RISE RANGE: 20° - 50°F)				
HEATING SPEED TAP	ADJUST TAP	LOW-STAGE CFM ¹	HIGH-STAGE CFM ¹	RISE °F
A	Minus (-)	720	958	---
	Normal	800	1,064	49
	Plus(+)	880	1,170	44
B	Minus (-)	810	1,077	48
	Normal	900	1,197	43
	Plus(+)	990	1,317	39
C	Minus (-)	900	1,197	43
	Normal	1,000	1,330	39
	Plus(+)	1,100	1,463	35
D	Minus (-)	990	1,317	39
	Normal	1,100	1,463	35
	Plus(+)	1,210	1,609	32

ADV80905CXB (RISE RANGE: 20° - 50°F)				
HEATING SPEED TAP	ADJUST TAP	LOW-STAGE CFM ¹	HIGH-STAGE CFM ¹	RISE °F
A	Minus (-)	945	1,257	---
	Normal	1,050	1,397	48
	Plus(+)	1,155	1,536	43
B	Minus (-)	1,035	1,377	48
	Normal	1,150	1,530	43
	Plus(+)	1,265	1,682	40
C	Minus (-)	1,125	1,496	44
	Normal	1,250	1,663	40
	Plus(+)	1,375	1,829	36
D	Minus (-)	1,215	1,616	41
	Normal	1,350	1,796	37
	Plus(+)	1,485	1,975	34

¹ @ .1" to .5" w.c. ESP

* Motor CFM maximum

† Motor CFM minimum

ADV81155CXB (RISE RANGE: 25° - 55°F)				
HEATING SPEED TAP	ADJUST TAP	LOW-STAGE CFM ¹	HIGH-STAGE CFM ¹	RISE °F
A	Minus (-)	1,215	1,616	52
	Normal	1,350	1,796	47
	Plus(+)	1,485	1,975	43
B	Minus (-)	1,260	1,676	51
	Normal	1,400	1,862	46
	Plus(+)	1,540	2000*	41
C	Minus (-)	1,305	1,736	49
	Normal	1,450	1,929	44
	Plus(+)	1,595	2000*	40
D	Minus (-)	1,418	1,885	45
	Normal	1,575	2000*	40
	Plus(+)	1,733	2000*	37

¹ @ .1" to .5" w.c. ESP

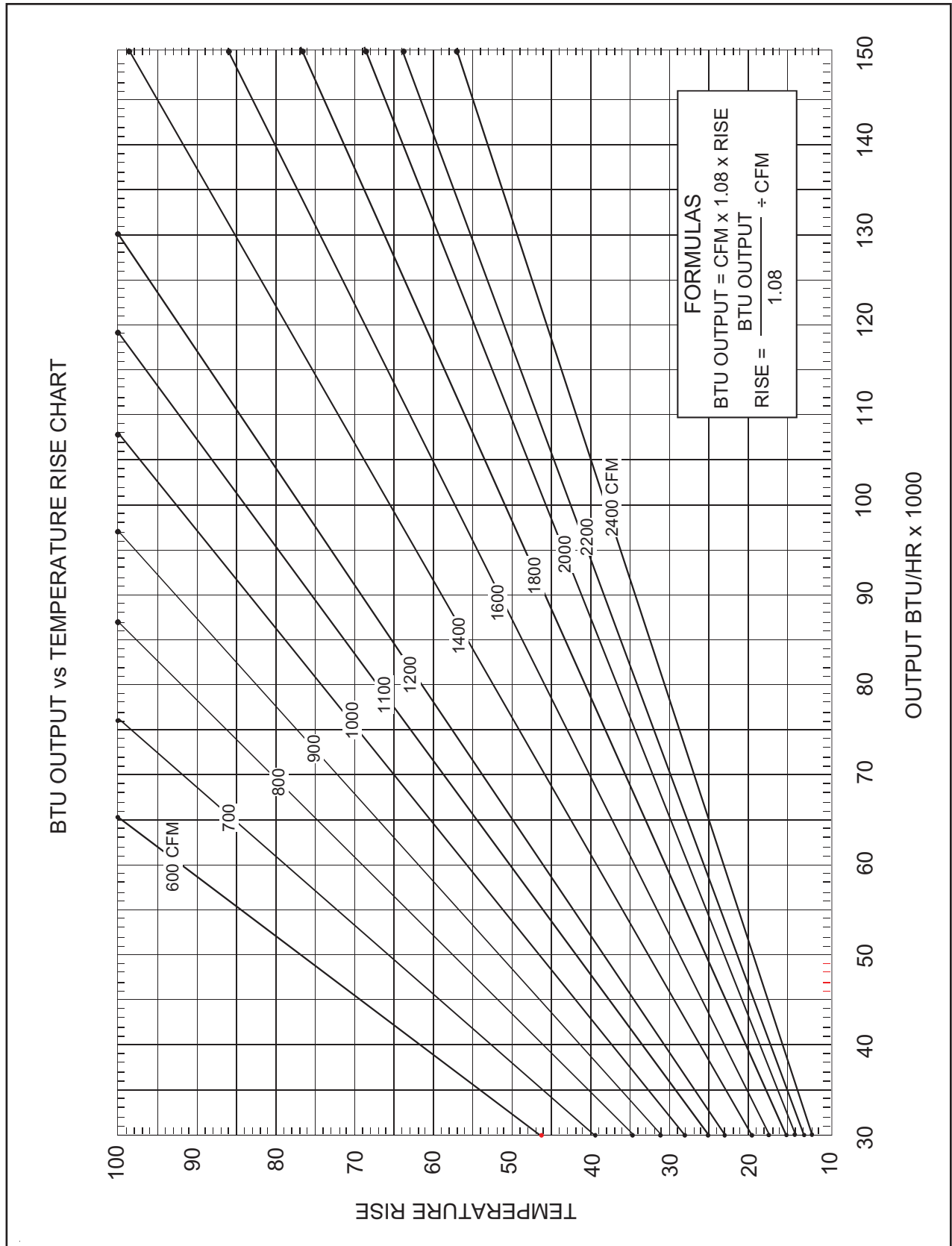
* Motor CFM maximum

† Motor CFM minimum

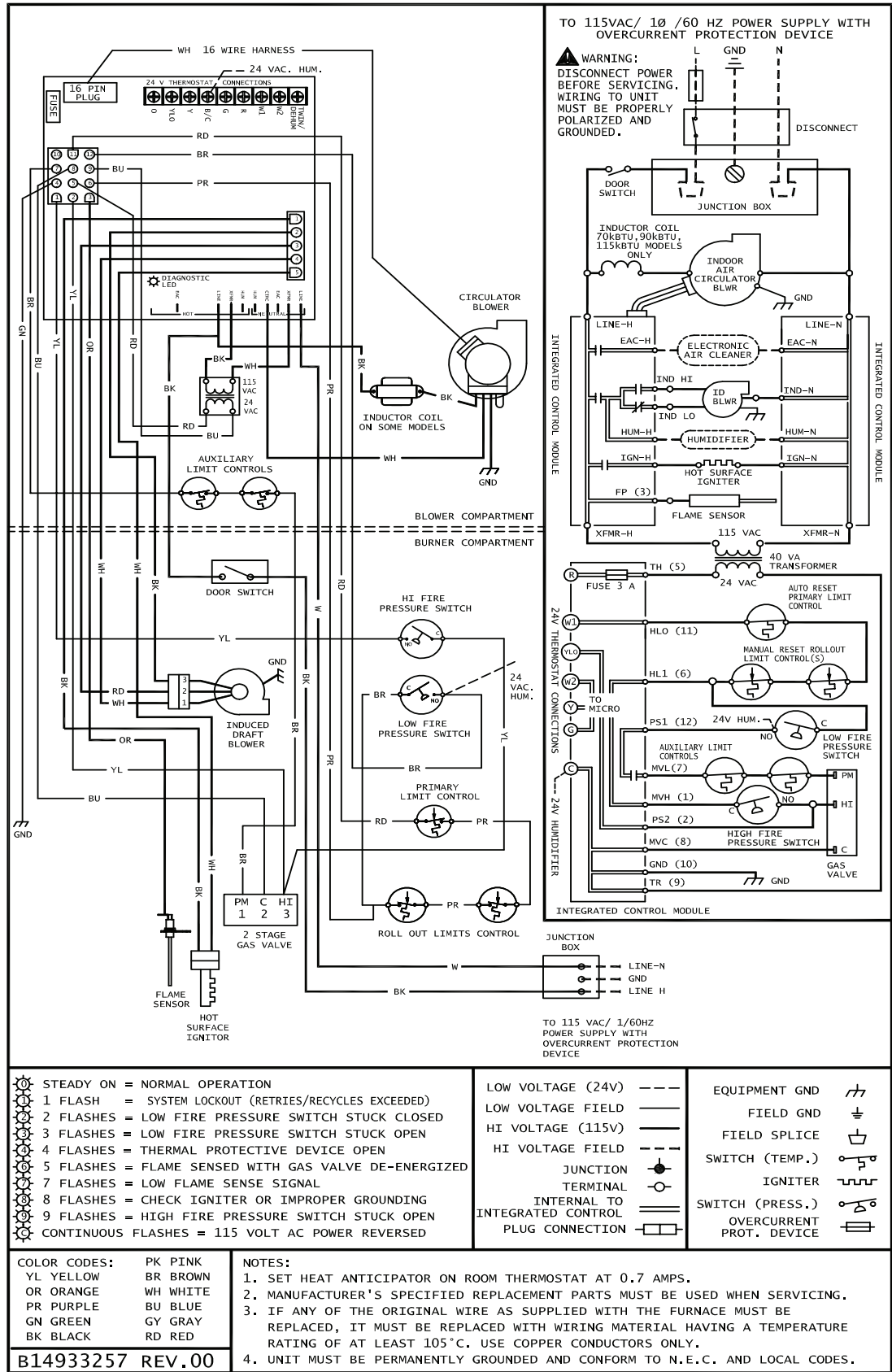
NOTES

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- The installation must be adjusted to obtain a temperature rise within the range listed on the furnace nameplate.
- Do not operate above .5" w.c. ESP in heating mode.
- Propane gas installations will have a high-stage rise approximately 4° lower than shown in the tables.

ADV8 TEMPERATURE RISE CHART



AMV8 WIRING DIAGRAM

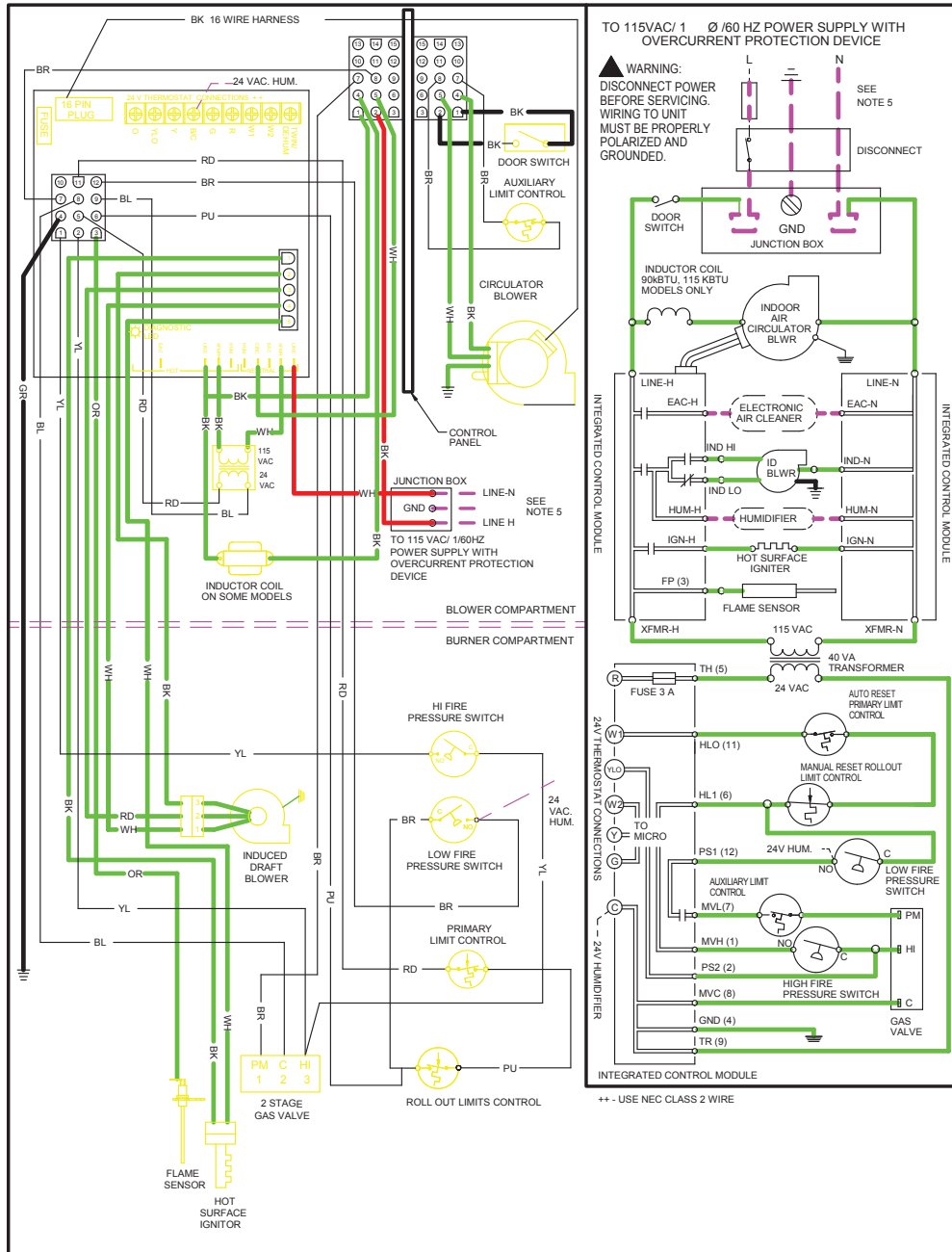


High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

ADV8 WIRING DIAGRAM



High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

- STEADY ON = NORMAL OPERATION
- FLASH = SYSTEM LOCKOUT (RETRIES/RECYCLES EXCEEDED)
- FLASHES = LOW FIRE PRESSURE SWITCH STUCK CLOSED
- FLASHES = LOW FIRE PRESSURE SWITCH STUCK OPEN
- FLASHES = THERMAL PROTECTIVE DEVICE OPEN
- FLASHES = FLAME SENSED WITH GAS VALVE DE-ENERGIZED
- FLASHES = LOW FLAME SENSE SIGNAL
- FLASHES = CHECK IGNITER OR IMPROPER GROUNDING
- FLASHES = HIGH FIRE PRESSURE SWITCH STUCK OPEN
- CONTINUOUS FLASHES = 115 VOLT AC POWER REVERSED

FACTORY WIRING			
LINE VOLTAGE	—	SWITCH (TEMP.)	
LOW VOLTAGE	—	IGNITER	
FIELD WIRING			
HIGH VOLTAGE	- -	SWITCH (PRESS.)	
LOW VOLTAGE	- -	OVERCURRENT PROT. DEVICE	

COLOR CODES:	PK PINK
YL YELLOW	BR BROWN
OR ORANGE	WH WHITE
BL BLUE	PU PURPLE
GR GREEN	GY GRAY
BK BLACK	RD RED

0140F00081P REV.0

- NOTES:
1. SET HEAT ANTICIPATOR ON ROOM THERMOSTAT AT 0.7 AMPS.
 2. MANUFACTURER'S SPECIFIED REPLACEMENT PARTS MUST BE USED WHEN SERVICING.
 3. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE FURNACE MUST BE REPLACED, IT MUST BE REPLACED WITH WIRING MATERIAL HAVING A TEMPERATURE RATING OF AT LEAST 105 °C. USE COPPER CONDUCTORS ONLY.
 4. UNIT MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C. AND LOCAL CODES.
 5. USE COPPER CONDUCTORS ONLY

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring

ACCESSORIES

MODEL	DESCRIPTION	AMV8 0704BXB	AMV8 0905CXB	AMV8 1155CXB	ADV8 0703BXB	ADV8 0905CXB	ADV8 1155CXB
LPM-03B	LP Conversion Kit (Gas Valve)	√	√	√	√	√	√
LPM-05	LP Conversion Kit (Springs & Orifice)	√	√	√	√	√	√
AFE18-60A	Fossil Fuel Kit (must be used in a dual-fuel application with a compatible thermostat)	√	√	√	√	√	√
ASAS	Electronic Air Cleaners (* = -10, -11, -12 or -18)	√	√	√	√	√	√
AMU	Media Air Cleaners (* = 1620, 2020, 1625 or 2025)	√	√	√	√	√	√

THERMOSTATS

A two-stage thermostat should be used with the AMV8 furnace. Two-stage thermostats control which firing rate is used depending on the temperature difference between the set point and the room temperature. A properly used two-stage thermostat and furnace will maintain a much tighter control of temperature than a conventional single-stage thermostat and furnace. Two-stage furnaces have “W1” and “W2” terminals. If the thermostat has “Y1” and “Y2” cooling connections and a single-stage cooling system is used, connect “Y” on the furnace control to “Y1” on the thermostat. The table below describes two-stage thermostats that have been configured for use with this furnace.

MODEL	TWO-STAGE THERMOSTAT DESCRIPTION	COLOR
1213411	Digital, Non-Programmable, 2-stage, 2 Heat/2 Cool	White
1213407	Digital, Programmable, 2-stage, 2 Heat/1 Cool	White
1213406*	Programmable, 3-stage, Manual or Automatic Changeover	Beige

* For use in dual-fuel applications with a heat pump in a fossil fuel application. It is not for use with the GMV8 as a sole heating source.

