

**GAS FURNACES**

**PRODUCT SPECIFICATIONS**



**AMV9: UP TO 96% AFUE**

**ACV9: UP TO 93% AFUE**

**HEATING INPUT: 46,000–115,000 BTU/h**

Amana® brand AMV9/ACV9 multi-position, two-stage, variable-speed gas furnaces provide exceptional indoor comfort and quiet operation. With their two-stage gas valve, variable-speed circulator blower, 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.
- Dual-certified for sealed combustion direct vent (2-pipe) or non-direct vent (1-pipe) applications
- Easy-to-install top venting is standard; alternate flue/vent locations available
- 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 — AMV9: upflow, horizontal left or right ACV9: downflow, horizontal left or right
- Airtight solid bottom for side return applications & easy-cut tabs for effortless removal in bottom air inlet applications
- Convenient left or right connection for gas/electric service
- Coil and furnace fit flush for most installations

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\*To receive the 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](http://www.amana-hac.com).

**NOMENCLATURE**

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

**Important EnergyStar Notice:** EnergyStar ratings are dependent upon conditions beyond equipment installation. Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet EnergyStar criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

**SPECIFICATIONS**

	AMV9 0453BXB	AMV9 0704CXB	AMV9 0905DXB	AMV9 1155DXB	ACV9 0704CXB	ACV9 0905DXB
<b>Heating Capacity</b>						
High Fire Input (BTU/h) <sup>1</sup>	46,000	69,000	92,000	115,000	69,000	92,000
High Fire Output (BTU/h) <sup>1</sup>	45,000	67,000	90,000	109,000	65,000	87,000
Low Fire Input (BTU/h) <sup>1</sup>	32,000	48,000	64,000	80,000	48,000	64,000
Low Fire Output (BTU/h) <sup>1</sup>	30,800	46,400	61,700	77,400	45,000	60,000
AFUE <sup>2</sup>	96	95.5	95.7	95.8	93	93
Available AC @ 0.5" ESP	1.5 - 3.0	1.5 - 4.0	2.0 - 5.0	2.0 - 5.0	1.5 - 4.0	2.0 - 5.0
Temperature Rise Range (° F)	30 - 60	30 - 60	30 - 60	35 - 65	30 - 60	30 - 60
<b>Circulator Blower</b>						
Size (D x W)	10" X 7"	10" X 10"	11" X 10"	11" X 10"	10" X 10"	11" X 10"
Horsepower @ 1750 RPM	½	¾	1	1	¾	1
Speed	Variable	Variable	Variable	Variable	Variable	Variable
Vent Diameter <sup>3</sup>	2"	2"	3"	3"	2"	2"
No. of Burners	2	3	4	5	3	4
<b>Filter Size (in<sup>2</sup>)</b>						
Permanent	288	384	480	486	320*	427*
Disposable	576	768	960	972	641*	854*
<b>Electrical Data</b>						
Min. Circuit Ampacity <sup>4</sup>	15	15	15	15	15	15
Max. Overcurrent Device (amps) <sup>5</sup>	10.4	12.8	14.6	14.6	12.8	14.6
Ship Weight (lbs)	133	135	172	175	135	172

<sup>1</sup> Natural Gas BTU/h

<sup>2</sup> DOE AFUE based upon Isolated Combustion System (ICS)

<sup>3</sup> Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.

<sup>4</sup> 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.

<sup>5</sup> 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.

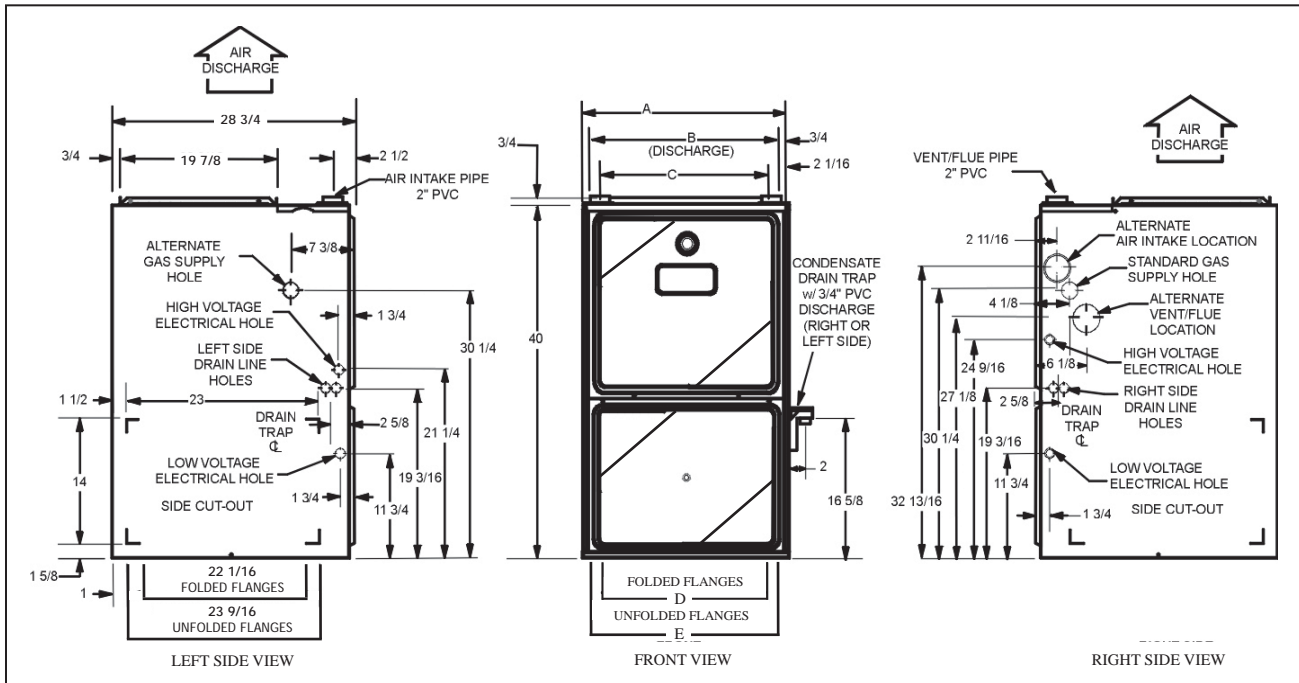
**Notes:**

1. All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.

2. Gas Service Connection ½" FPT

3. Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.

# AMV9 DIMENSIONS



Model	A	B	C	D	E
AMV90453BXB	17 1/2"	16"	13 1/8"	12 1/8"	13 5/8"
AMV90704CXB	21"	19 1/2"	16 1/8"	16"	17 1/2"
AMV90905DXB	24 1/2"	23"	20 5/8"	19 3/8"	20 7/8"
AMV91155DXB	24 1/2"	23"	20 5/8"	19 3/8"	20 7/8"

**Notes:**

- Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.
- Line voltage wiring can enter through the right or left side of the furnace. Low-voltage wiring can enter through the right or left side of furnace.
- Conversion kits for high-altitude natural gas operation are available. Contact your Goodman distributor or dealer for details.
- Installer must supply following gas line fittings, according to which entrance is used:  
**Left**—Two 90° elbows, one close nipple, straight pipe  
**Right**—Straight pipe to reach gas valve
- For bottom return: Failure to unfold flanges may reduce airflow by up to 18%. This could result in performance and noise issues.

## MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

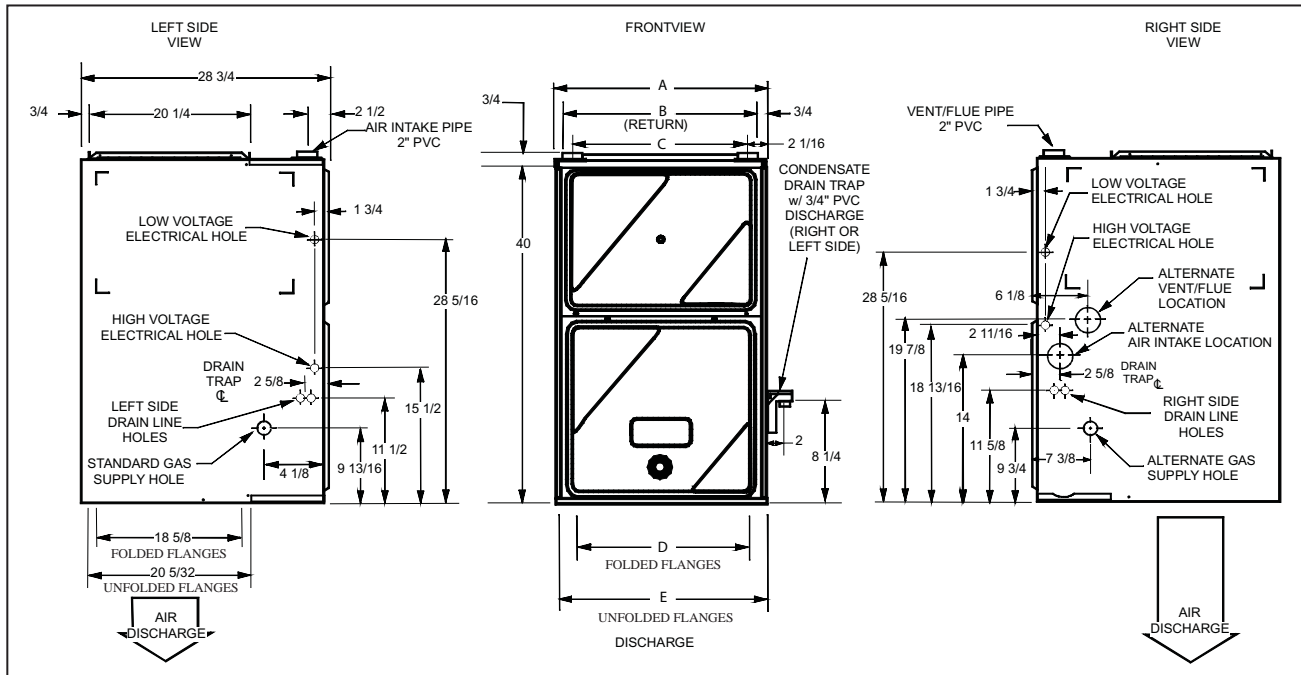
Position	Sides	Rear	Front	Bottom	Flue	Top
Upflow	0"	0"	3"	C	0"	1"
Horizontal	6"	0"	3"	C	0"	6"

C = If placed on combustible floor, the floor MUST be wood ONLY.

**Notes:**

- For servicing or cleaning, a 24" front clearance is required.
- Unit connections (electrical, flue and drain) may necessitate greater clearances than the minimum clearances listed above.
- **In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.**

# ACV9 DIMENSIONS



Model	A	B	C	D	E
ACV90704CXB	21"	19½"	16⅜"	18"	19½"
ACV90905DXB	24½"	23"	20⅝"	21½"	23"

**Notes:**

- Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.
- Line voltage wiring can enter through the right or left side of the furnace. Low-voltage wiring can enter through the right or left side of furnace.
- Conversion kits for high-altitude natural gas operation are available. Contact your Amana distributor or dealer for details.
- Installer must supply following gas line fittings, according to which entrance is used:  
**Left**—Two 90° Elbows, one close nipple, straight pipe  
**Right**—Straight pipe to reach gas valve

## MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

Position	Sides	Rear	Front	Bottom	Flue	Top
Downflow	0"	0"	3"	NC	0"	1"
Horizontal	6"	0"	3"	C	0"	6"

C = If placed on combustible floor, the floor MUST be wood ONLY.

NC = For installation on non-combustible floors only. A combustible floor sub-base must be used for installations on combustible flooring.

**Notes:**

- For servicing or cleaning, a 24" front clearance is required.
- Unit connections (electrical, flue and drain) may necessitate greater clearances than the minimum clearances listed above.
- In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.

# AMV9 AIRFLOW SPECIFICATIONS

## HIGH- OR SINGLE-STAGE COOLING SPEEDS

AMV90453BXB			AMV90704CXB			AMV90905DXB			AMV91155DXB		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>	Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>	Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>	Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	540	A	Minus (-)	540	A	Minus (-)	720	A	Minus (-)	720
	Normal	600		Normal	600		Normal	800		Normal	800
	Plus (+)	660		Plus (+)	660		Plus (+)	880		Plus (+)	880
B	Minus (-)	720	B	Minus (-)	720	B	Minus (-)	990	B	Minus (-)	990
	Normal	800		Normal	800		Normal	1,100		Normal	1,100
	Plus (+)	880		Plus (+)	880		Plus (+)	1,210		Plus (+)	1,210
C	Minus (-)	900	C	Minus (-)	990	C	Minus (-)	1,260	C	Minus (-)	1,260
	Normal	1,000		Normal	1,100		Normal	1,400		Normal	1,400
	Plus (+)	1,100		Plus (+)	1,210		Plus (+)	1,540		Plus (+)	1,540
D	Minus (-)	1,080	D	Minus (-)	1,286	D	Minus (-)	1,620	D	Minus (-)	1,620
	Normal	1,200		Normal	1,429		Normal	1,800		Normal	1,800
	Plus (+)	1,320		Plus (+)	1,572		Plus (+)	1,980		Plus (+)	1,980

<sup>1</sup> @ .1" to .8" W.C. ESP

**Notes:**

- All furnaces ship as high speed for cooling. Installer must adjust blower speed as needed.
- For most jobs, about 400 CFM per ton when cooling is desirable.
- Do not operate above .5" w.c. ESP in heating mode. Operating CFM between .5" and .8" w.c. is tabulated for cooling purposes only.

## LOW-STAGE COOLING SPEEDS

AMV90453BXB			AMV90704CXB			AMV90905DXB			AMV91155DXB		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>	Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>	Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>	Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	380*	A	Minus (-)	378*	A	Minus (-)	513*	A	Minus (-)	514*
	Normal	390		Normal	390		Normal	520		Normal	520
	Plus (+)	429		Plus (+)	429		Plus (+)	572		Plus (+)	572
B	Minus (-)	468	B	Minus (-)	468	B	Minus (-)	644	B	Minus (-)	644
	Normal	520		Normal	520		Normal	715		Normal	715
	Plus (+)	572		Plus (+)	572		Plus (+)	787		Plus (+)	787
C	Minus (-)	585	C	Minus (-)	644	C	Minus (-)	819	C	Minus (-)	819
	Normal	650		Normal	715		Normal	910		Normal	910
	Plus (+)	715		Plus (+)	787		Plus (+)	1,001		Plus (+)	1,001
D	Minus (-)	702	D	Minus (-)	836	D	Minus (-)	1,053	D	Minus (-)	1,053
	Normal	780		Normal	929		Normal	1,170		Normal	1,170
	Plus (+)	858		Plus (+)	1,022		Plus (+)	1,287		Plus (+)	1,287

<sup>1</sup> @ .1" to .8" W.C. ESP

**Notes:**

- All furnaces ship as high speed for cooling. Installer must adjust blower speed as needed.
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# AMV9 AIRFLOW SPECIFICATIONS (CONT.)

## HEATING SPEEDS

AMV90453BXB (Rise Range: 30° - 60°F)				
Heating Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	495	713	57
	Normal	550	792	51
	Plus (+)	605	871	46
B	Minus (-)	540	778	52
	Normal	600	864	47
	Plus (+)	660	950	43
C	Minus (-)	585	842	48
	Normal	650	936	43
	Plus (+)	715	1,030	39
D	Minus (-)	630	907	45
	Normal	700	1,008	40
	Plus (+)	770	1,109	36

AMV90704CXB (Rise Range: 30° - 60°F)				
Heating Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	756	1,089	56
	Normal	840	1,210	50
	Plus (+)	924	1,331	46
B	Minus (-)	828	1,192	51
	Normal	920	1,325	46
	Plus (+)	1,012	1,457	42
C	Minus (-)	900	1,296	47
	Normal	1,000	1,440	42
	Plus (+)	1,100	1,584	38
D	Minus (-)	972	1,400	43
	Normal	1,080	1,555	39
	Plus (+)	1,188	1,711	35

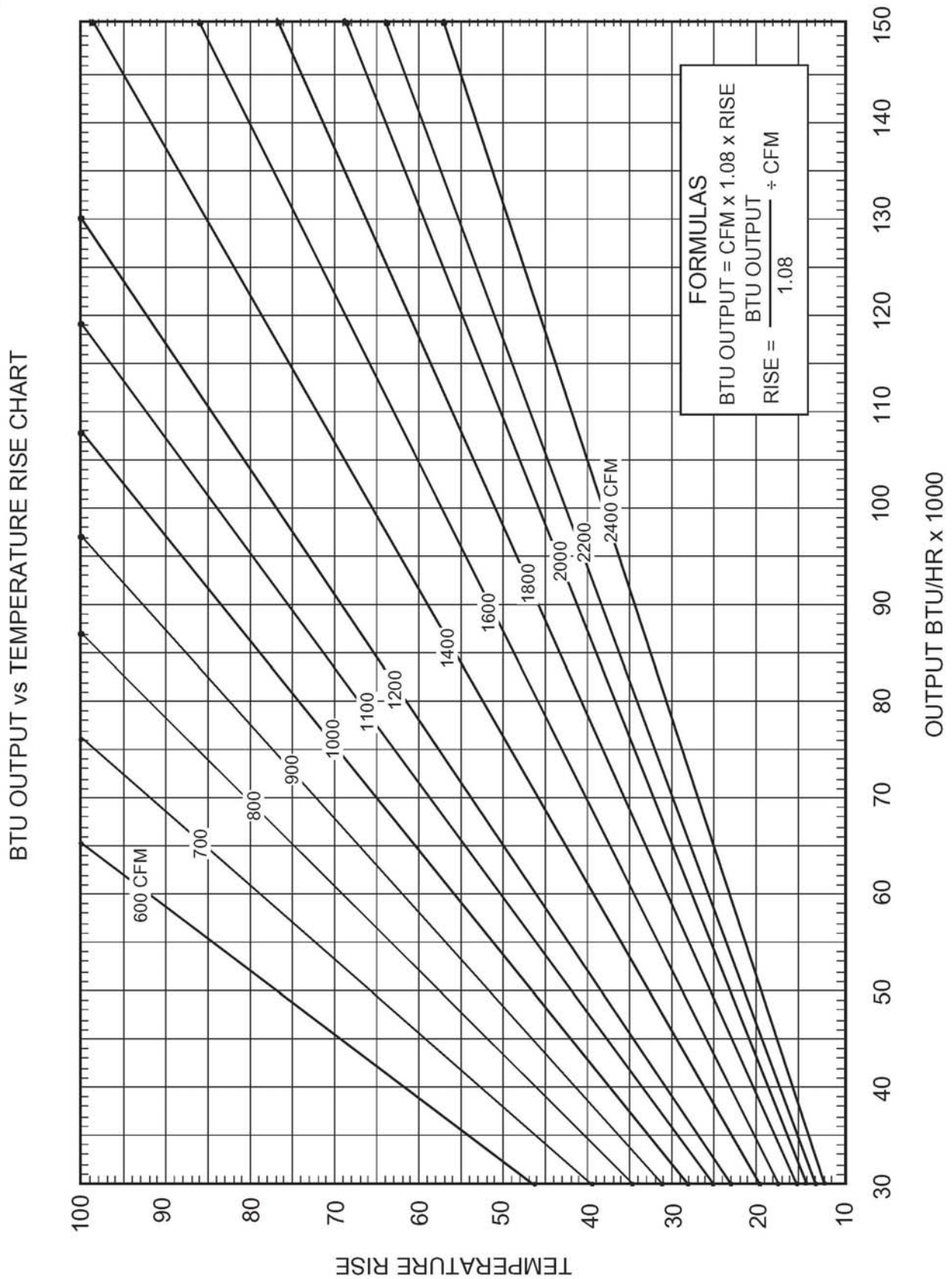
<sup>1</sup> @ .1" to .5" W.C. ESP

AMV90905DXB (Rise Range: 30° - 60°F)				
Heating Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	1,013	1,458	56
	Normal	1,125	1,620	50
	Plus (+)	1,238	1,782	45
B	Minus (-)	1,076	1,549	52
	Normal	1,195	1,721	47
	Plus (+)	1,315	1,893	43
C	Minus (-)	1,139	1,639	49
	Normal	1,265	1,822	44
	Plus (+)	1,392	2,004	40
D	Minus (-)	1,202	1,730	47
	Normal	1,335	1,922	42
	Plus (+)	1,469	2,115	38

AMV91155DXB (Rise Range: 30° - 60°F)				
Heating Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	1,107	1,594	63
	Normal	1,230	1,771	57
	Plus (+)	1,353	1,948	52
B	Minus (-)	1,139	1,639	62
	Normal	1,265	1,822	56
	Plus (+)	1,392	2,004	50
C	Minus (-)	1,170	1,685	60
	Normal	1,300	1,872	54
	Plus (+)	1,430	2,059	49
D	Minus (-)	1,202	1,730	58
	Normal	1,335	1,922	53
	Plus (+)	1,469	2,115	48

<sup>1</sup> @ .1" to .5" W.C. ESP

# AMV9 AIRFLOW SPECIFICATIONS (CONT.)





# ACV9 AIRFLOW SPECIFICATIONS

## HIGH- OR SINGLE-STAGE COOLING SPEEDS

ACV90704CXB		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
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 (-)	1,286
	Normal	1,429
	Plus (+)	1,572

ACV90905DXB		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
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

<sup>1</sup> @ .1" to .8" W.C. ESP

**Notes:**

- All furnaces ship as high speed for cooling. Installer must adjust blower speed as needed.
- For most jobs, about 400 CFM per ton when cooling is desirable.
- Do not operate above .5" w.c. ESP in heating mode. Operating CFM between .5" and .8" w.c. is tabulated for cooling purposes only.

## LOW-STAGE COOLING SPEEDS

ACV90704CXB		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	378*
	Normal	390
	Plus (+)	429
B	Minus (-)	468
	Normal	520
	Plus (+)	572
C	Minus (-)	644
	Normal	715
	Plus (+)	787
D	Minus (-)	836
	Normal	929
	Plus (+)	1,022

ACV90905DXB		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	513*
	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

<sup>1</sup> @ .1" to .8" W.C. ESP

**Notes:**

- All furnaces ship as high speed for cooling. Installer must adjust blower speed as needed.
- For most jobs, about 400 CFM per ton when cooling is desirable.
- Do not operate above .5" w.c. ESP in heating mode. Operating CFM between .5" and .8" w.c. is tabulated for cooling purposes only.

## PRODUCT SPECIFICATIONS

# ACV9 AIRFLOW SPECIFICATIONS (CONT.)

### ACV9 HEATING SPEEDS

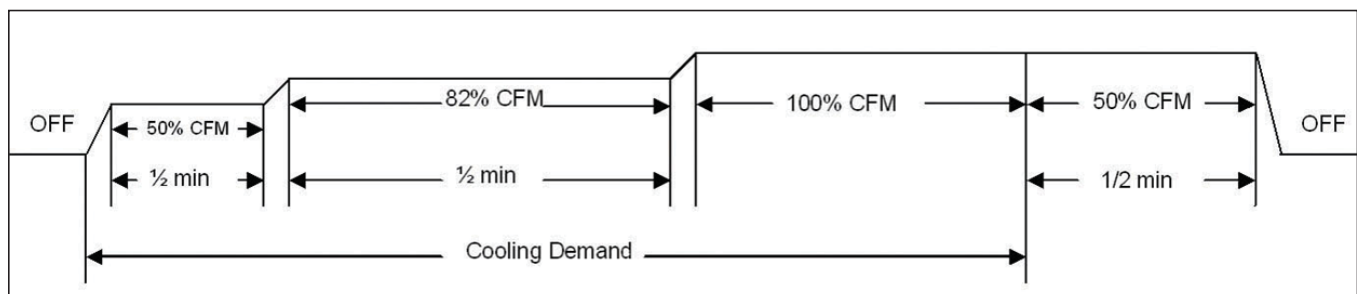
ACV90704CXB (Rise Range: 30° - 60°F)				
Heating Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	747	1,076	56
	Normal	830	1,195	50
	Plus (+)	913	1,315	46
B	Minus (-)	824	1,186	51
	Normal	915	1,318	46
	Plus (+)	1,007	1,449	42
C	Minus (-)	900	1,296	47
	Normal	1,000	1,440	42
	Plus (+)	1,100	1,584	38
D	Minus (-)	978	1,408	43
	Normal	1,085	1,562	39
	Plus (+)	1,194	1,719	35

ACV90905DXB (Rise Range: 30° - 60°F)				
Heating Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	999	1,439	56
	Normal	1,110	1,598	50
	Plus (+)	1,221	1,758	46
B	Minus (-)	1,067	1,536	52
	Normal	1,185	1,706	47
	Plus (+)	1,303	1,876	43
C	Minus (-)	1,134	1,633	49
	Normal	1,260	1,814	44
	Plus (+)	1,386	1,996	40
D	Minus (-)	1,202	1,730	46
	Normal	1,335	1,922	42
	Plus (+)	1,469	2,115	38

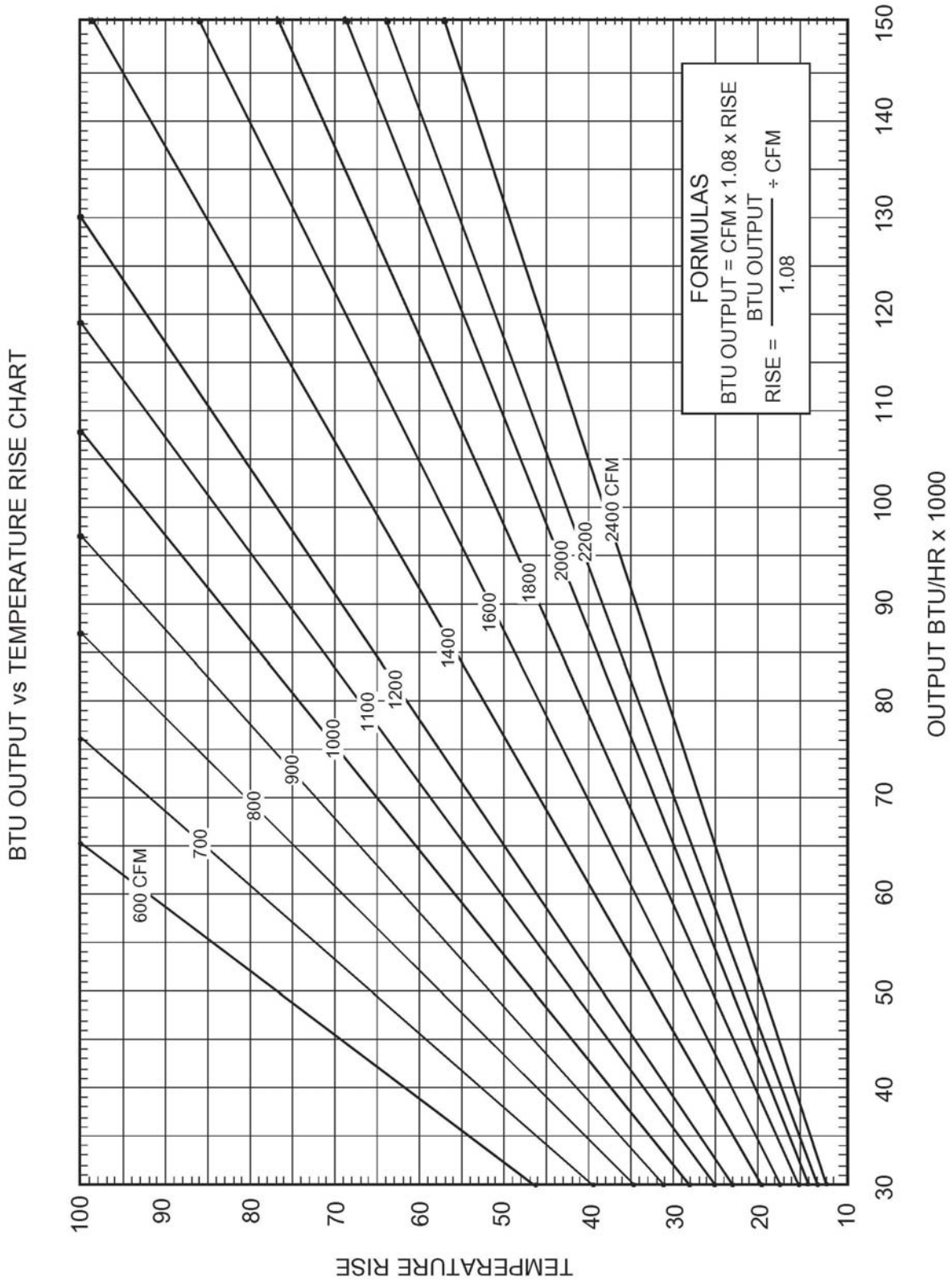
<sup>1</sup> @ .1" to .5" W.C. ESP

## AUTO-COMFORT MODE

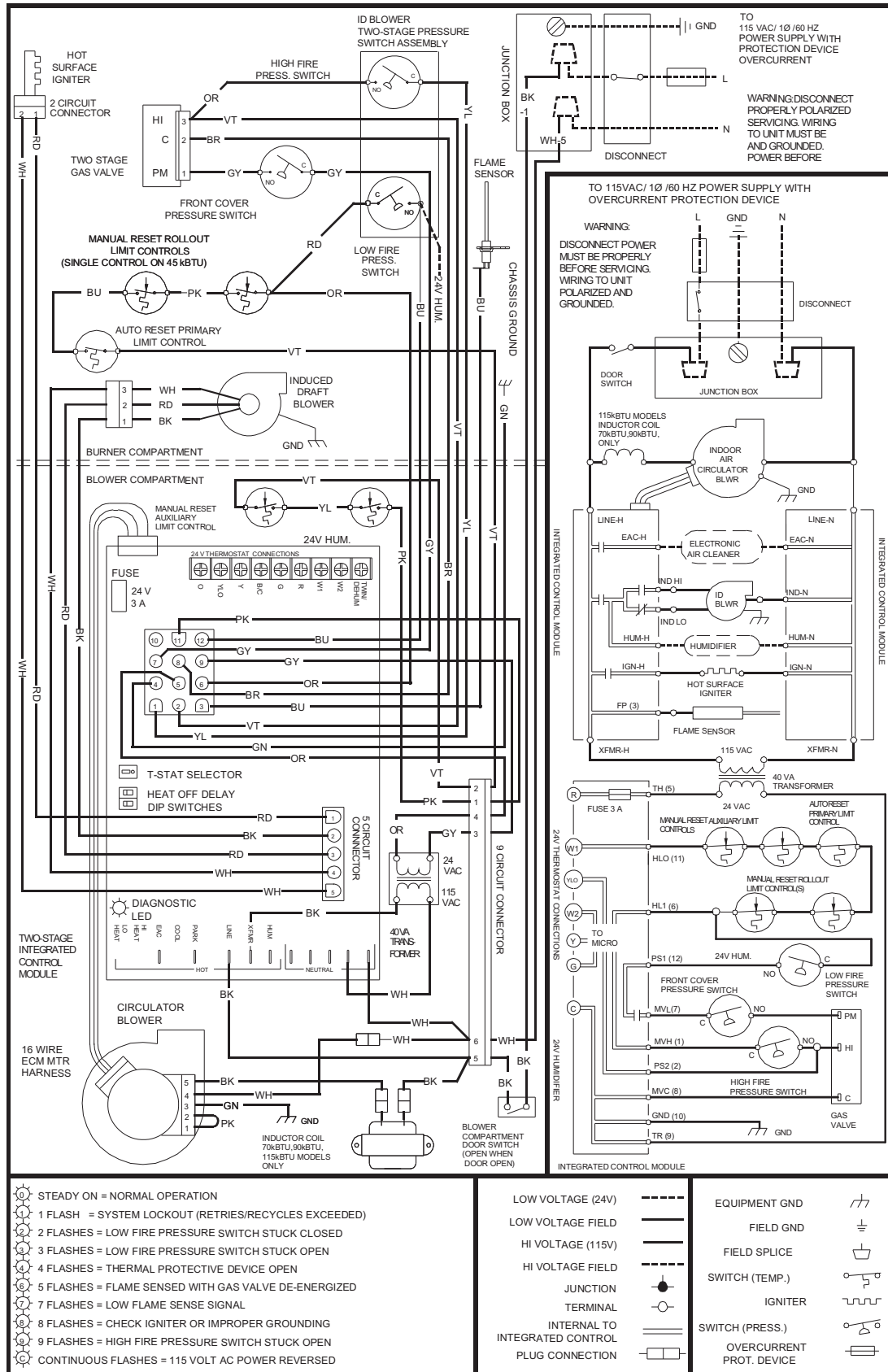
During Auto-Comfort mode, the furnace ramps up to 50% of the demand for half a minute. It then ramps to 82% of the full cooling demand airflow and operates there for approximately 7½ minutes. The motor then steps up to the full demand airflow. This mode spends a half minute at 50% airflow OFF delay.



# ACV9 AIRFLOW SPECIFICATIONS (CONT.)



# WIRING DIAGRAM



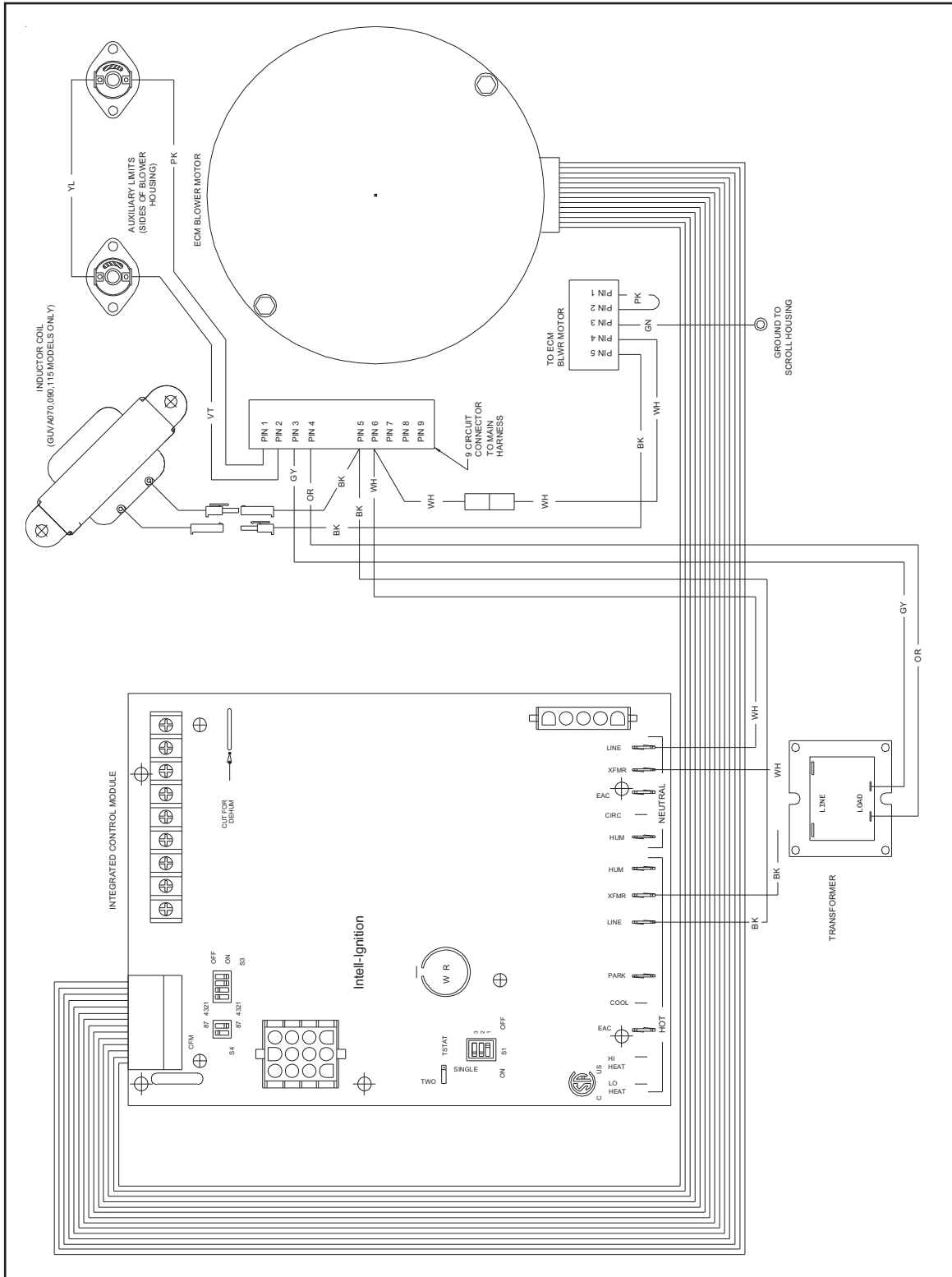
**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



**WARNING**

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

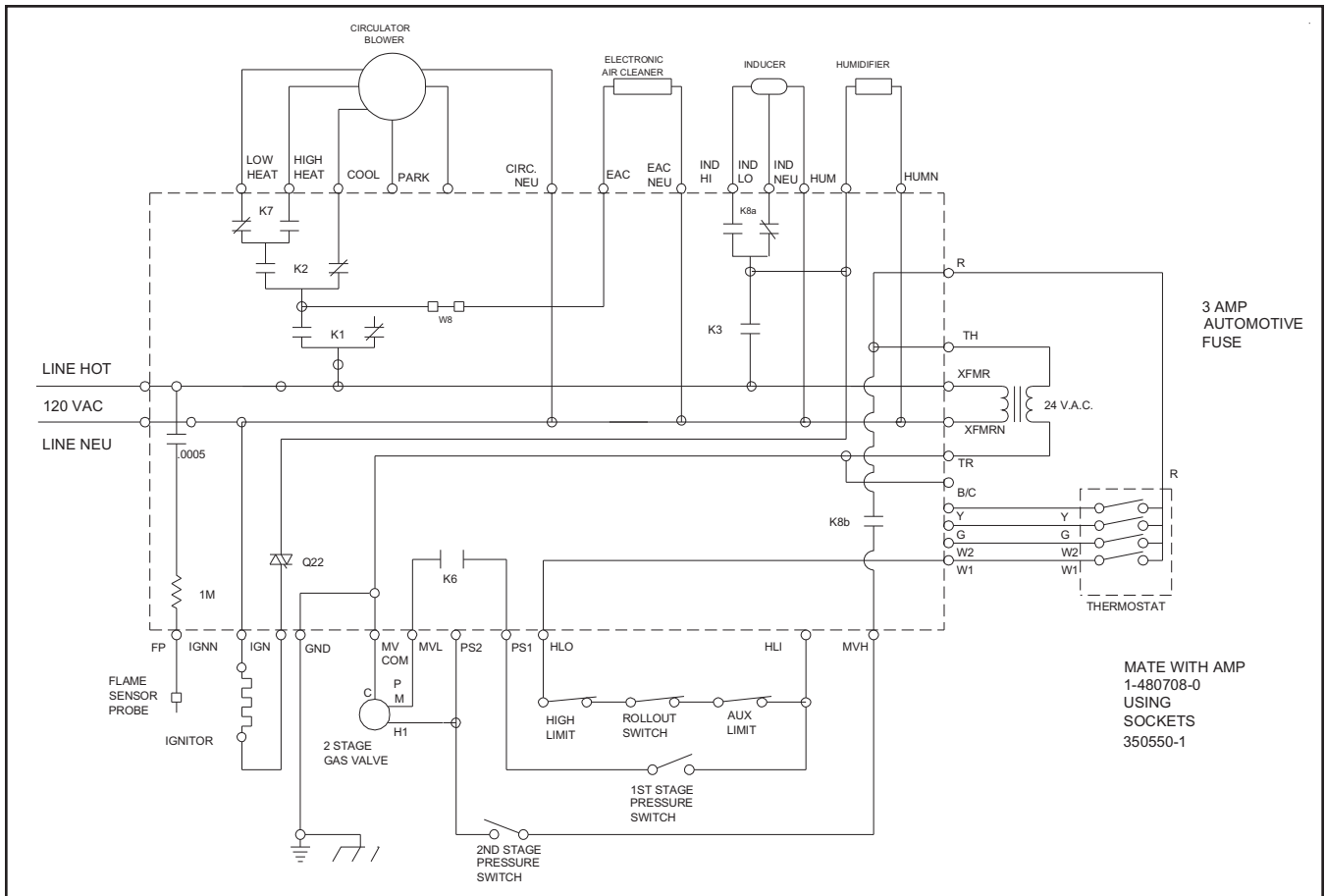
SCHEMATICS



Blower Assembly Schematic  
AMV9\*\*\*/ ACV9\*\*\* Model Furnaces

This schematic is for reference only. Not all wiring is as shown above.  
Refer to the appropriate wiring diagram for the unit being serviced.

SCHEMATICS (CONT.)



Typical Schematic  
 AMV9\*\*\*/ ACV9\*\*\* Model Furnaces  
 WR 50V61-289 Integrated Ignition Control  
 This schematic is for reference only. Not all wiring is as shown above.  
 Refer to the appropriate wiring diagram for the unit being serviced.

## STANDARD ALTITUDE INSTALLATIONS

Gas	Altitude	Kit	Orifice	Manifold Pressure		Pressure Switch Change
				High Stage	Low Stage	
Natural	0-7000 Changeover	None	#43	3.5" W.C.	1.9" W.C.	None
Propane	0-7000	LPM-03B & LPM-05	#55	10.0: W.C.	6.0" W.C.	None

**Notes:**

- For installation in Canada, gas furnaces are certified only to 4,500 ft.
- For ACVA installations above 7,000 ft., please refer to your Amana distributor for required kit(s).

## 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.

## PRODUCT SPECIFICATIONS

### ACCESSORIES

Model	Description	AMV90453BXB	AMV90704CXB	AMV90905DXB	AMV91155DXB	ACV90704CXB	ACV90905DXB
LPB-03B	LP Conversion Kit (gas valve)	1	1	1	1	1	1
LPM-05	LP Conversion Kit (springs & orifice)	1	1	1	1	1	1
ASAS	Electronic Air Cleaners (-10, -11, -12 or -18)	✓	✓	✓	✓	✓	✓
AMU	Media Air Cleaners (1620, 2020, 1625 or 2025)	✓	✓	✓	✓	✓	✓
DEHUM1	Dehumidistat	✓	✓	✓	✓	✓	✓
HAPS28	High-Altitude Pressure Switch Kit	2	2				
HAPS29	High-Altitude Pressure Switch Kit			2	2		
HAPS 31	High-Altitude Pressure Switch Kit					2	2
HALP11	High-Altitude Propane Gas Kit	2	2	2	2		
HALP 13	High-Altitude Propane Gas Kit					2	2
HANG 13	High-Altitude Natural Gas Kit	3	3	3	3		
HANG 14	High-Altitude Natural Gas Kit	4	4	4	4		
HANG 16	High-Altitude Natural Gas Kit					2	2
EFR01	External Filter Rack	✓	✓	✓	✓	✓	✓
DCVK-20	Horizontal/Vertical Concentric Vent Kit (2")	✓	✓	✓		✓	
DCVK-30	Horizontal/Vertical Concentric Vent Kit (3")	✓	✓	✓	✓	✓	✓
CFB21	Downflow Floor Base					✓	
CFB24	Downflow Floor Base						✓
017K00000S	Flush-mount vent kit	✓	✓	✓	✓	✓	✓

1- All Models up to 7,000'

2- 7,001' to 11,000'

3- 7,001' to 9,000'

4- 9,001' to 11,000'

**Note:**

All installations above 7,000' require a pressure switch change.

For installation in Canada, gas furnaces are certified only to 4,500'.

