



Air Conditioning & Heating

## PRODUCT SPECIFICATIONS



**GMVC95: UP TO 95% AFUE**  
**GCVC9: UP TO 93% AFUE**

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



\*To receive the Lifetime Heat Exchanger Limited Warranty, 10-Year 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.goodmanmfg.com](http://www.goodmanmfg.com).

# GMVC95/GCVC9

## MULTI-POSITION, TWO-STAGE/VARIABLE-SPEED GAS FURNACE

The Goodman® brand GMVC95/GCVC9 Two-Stage, Variable-Speed Gas Furnaces feature a patented aluminized-steel tubular heat exchanger and durable Silicon Nitride Hot Surface Ignition system.

### Standard Features

- Patented dual-diameter tubular heat exchanger with Lifetime Limited Warranty\* for as long as the original registered homeowner owns their home plus 10-Year Limited Unit Replacement Warranty\*
- Two-stage gas valve operates with two-stage or single-stage thermostats
- ComfortNet™ ready
- Efficient and quiet variable-speed circulator motor gently ramps up or down according to heating or cooling demand
- 120V 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
- 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
- Foil-faced insulation lines the heat exchanger
- Easy-to-install top venting is standard; alternate flue/vent located on the right (GMVC95)
- Designed for multi-position installation – GMVC95: upflow, horizontal left or right; GCVC9: downflow, horizontal left or right
- Airtight solid bottom for side return applications and easy-cut tabs for effortless removal in bottom air inlet applications
- Convenient left or right connection for gas and electric service
- Coil and furnace fit flush for most installations

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NOMENCLATURE

	G	M	V	C	95	070	4	C	X	A	A	
	1	2	3	4	5,6	7,8,9	10	11	12	13	14	
<b>Brand</b>	Goodman® Brand or Distinctions™										<b>Revisions</b>	
											A Initial Releases (Major & Minor)	
											B 1st Revisions (Major & Minor)	
											C 2nd Revisions	
<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 E Two-Stage/X-13 Motor										<b>Cabinet Width</b>	
											A 14"	
											B 17½"	
											C 21"	
											D 24½"	
<b>SystemType</b>	C ComfortNet™ Communicating System										<b>Maximum CFM @ 0.5" ESP</b>	
											3 1200 5 2000	
											4 1600	
<b>AFUE</b>	95 95% 9 90%+ 8 80%										<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**

	GMVC95 0453BXAA	GMVC95 0704CXAA	GMVC95 0905DXAA	GMVC95 1155DXAA	GCVC9 0704CXAA	GCVC9 0905DXAA	GCVC9 1155DXAA
<b>Heating Capacity</b>							
High Fire Input <sup>1</sup>	46,000	69,000	92,000	115,000	69,000	92,000	115,000
High Fire Output <sup>1</sup>	45,000	67,000	90,000	109,000	65,000	87,000	109,000
Low Fire Input <sup>1</sup>	32,000	48,000	64,000	80,000	48,000	64,000	80,000
Low Fire Output <sup>1</sup>	30,800	46,400	61,700	77,400	45,000	60,100	77,400
AFUE <sup>2</sup>	95	95	95	95	93	93	93
Tons 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	2.0 - 5.0
Temperature Rise Range (°F)	30 - 60	30 - 60	30 - 60	30 - 60	30 - 60	30 - 60	40-70
<b>Circulator Blower</b>							
Size (D x W)	10" x 8"	10" x 10"	11" x 10"	11" x 10"	10" x 10"	11" x 10"	11" x 10"
Horsepower @ 1050 RPM	½	¾	1	1	¾	1	1
Speed	Variable		Variable		Variable		
Vent Diameter <sup>3</sup>	2"	2"	3"	3"	2"	3"	3"
No. of Burners	2	3	4	5	3	4	5
Disposable Filter (in <sup>2</sup> )	288	384	480	486	384	480	486
<b>Electrical Data</b>							
Min. Circuit Ampacity (amps) <sup>4</sup>	11.3	14.1	17.9	17.9	14.1	17.9	17.9
Max. Overcurrent Protection <sup>5</sup>	15 amps	15 amps	20 amps	20 amps	15 amps	20 amps	20 amps
<b>Ship Weight (lbs)</b>	133	135	172	175	135	172	175

<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.

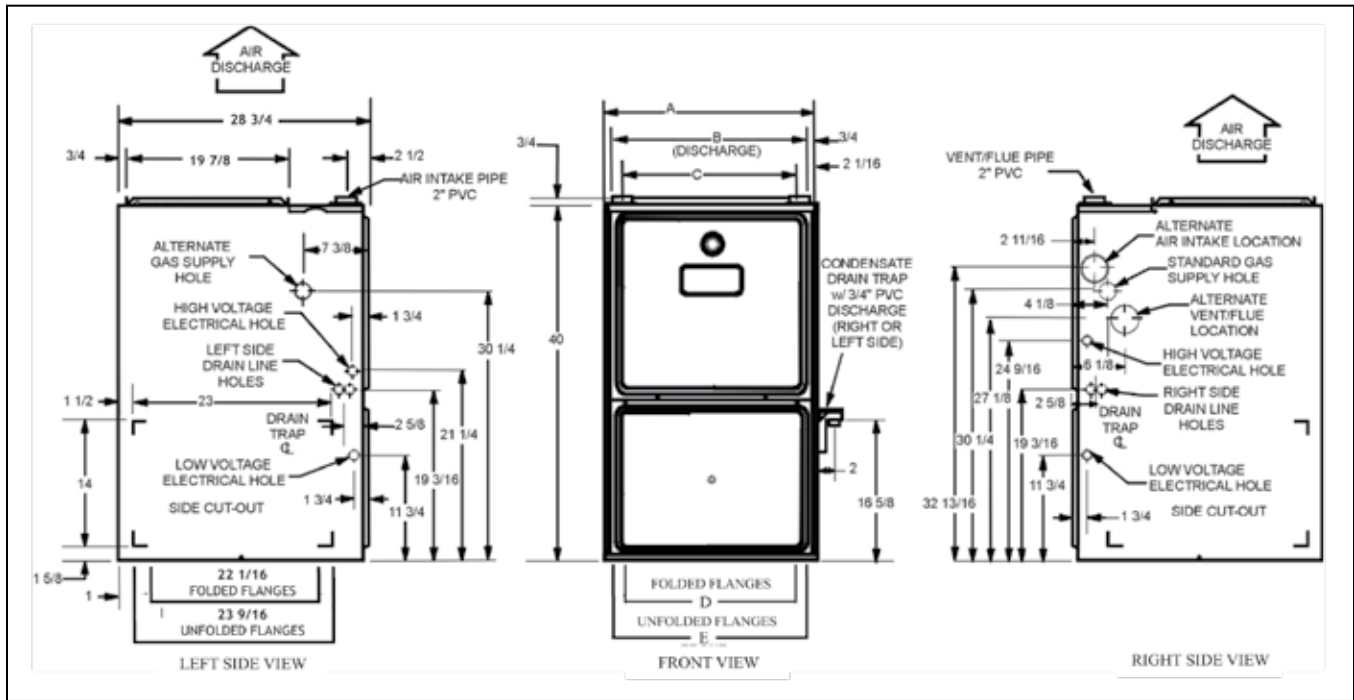
<sup>4</sup> Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

<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:**

- 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.

# GMVC95 DIMENSIONS



Model	A	B	C	D	E
GMVC950453BXAA	17½"	16"	13⅞"	12⅞"	13⅝"
GMVC950704CXAA	21"	19½"	16⅞"	16	17½"
GMVC950905DXAA	24½"	23"	20⅝"	19⅜"	20⅞"
GMVC951155DXAA	24½"	23"	20⅝"	19⅞"	20⅞"

**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

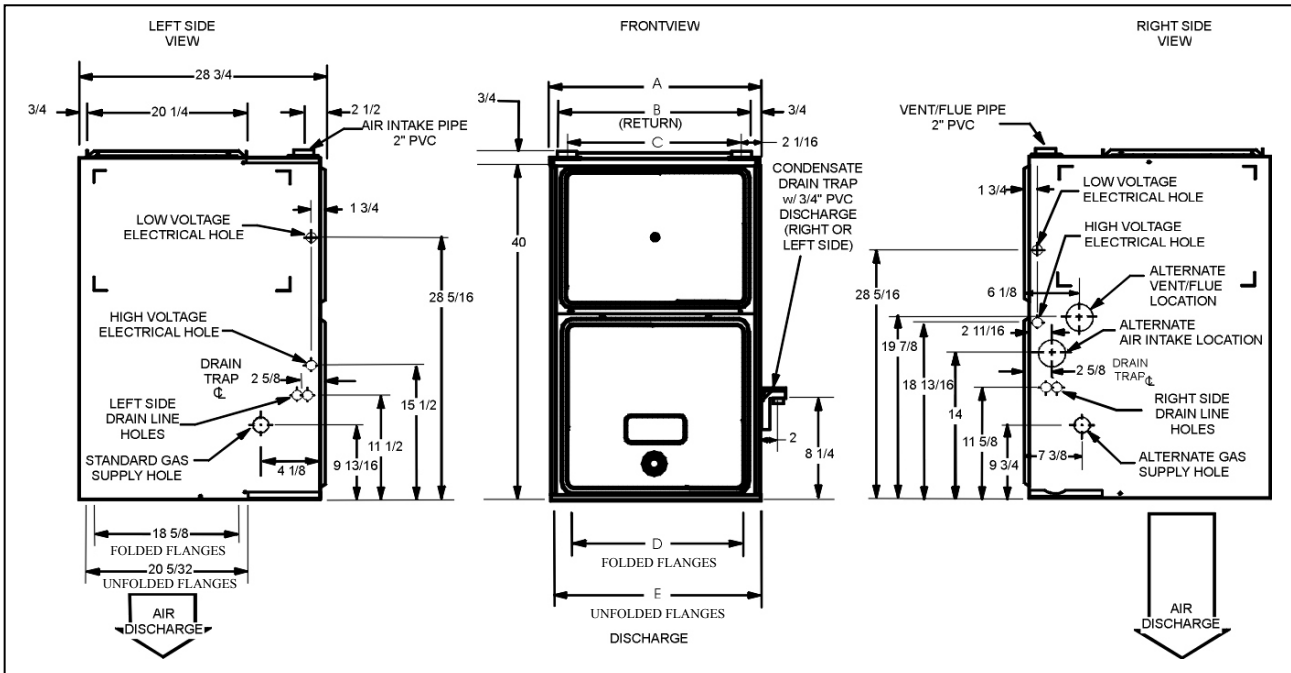
Position	Sides	Rear	Front	Bottom	Flue	Top
Upflow	0"	0"	3"	C	0"	1"
Horizontal	6"	0"	3"	C	0"	6"

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.**

# GCVC9 DIMENSIONS



Model	A	B	C	D	E
GCVC90704CXAA	21"	19½"	16⅞"	18"	19½"
GCVC90905DXAA	24½"	23"	20⅝"	21½"	23"
GCVC91155DXAA	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 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
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.**

# GMVC95 AIRFLOW SPECIFICATIONS

## HIGH- OR SINGLE-STAGE COOLING SPEEDS

GMVC950453BXAA			GMVC950704CXAA			GMVC950905DXAA			GMVC951155DXAA		
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 (-)	585	A	Minus (-)	585	A	Minus (-)	720	A	Minus (-)	720
	Normal	650		Normal	650		Normal	800		Normal	800
	Plus (+)	715		Plus (+)	715		Plus (+)	880		Plus (+)	880
B	Minus (-)	810	B	Minus (-)	810	B	Minus (-)	945	B	Minus (-)	945
	Normal	900		Normal	900		Normal	1050		Normal	1050
	Plus (+)	990		Plus (+)	990		Plus (+)	1155		Plus (+)	1155
C	Minus (-)	990	C	Minus (-)	1195	C	Minus (-)	1305	C	Minus (-)	1305
	Normal	1100		Normal	1325		Normal	1450		Normal	1450
	Plus (+)	1210		Plus (+)	1460		Plus (+)	1595		Plus (+)	1595
D	Minus (-)	1080	D	Minus (-)	1440	D	Minus (-)	1800	D	Minus (-)	1800
	Normal	1200		Normal	1600		Normal	2000		Normal	2000
	Plus (+)	1320		Plus (+)	1760		Plus (+)	2200		Plus (+)	2200

<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

GMVC950453BXAA			GMVC950704CXAA			GMVC950905DXAA			GMVC951155DXAA		
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 (-)	390	A	Minus (-)	390	A	Minus (-)	480	A	Minus (-)	480
	Normal	435		Normal	435		Normal	535		Normal	535
	Plus (+)	480		Plus (+)	480		Plus (+)	590		Plus (+)	590
B	Minus (-)	545	B	Minus (-)	545	B	Minus (-)	635	B	Minus (-)	635
	Normal	605		Normal	605		Normal	705		Normal	705
	Plus (+)	665		Plus (+)	665		Plus (+)	775		Plus (+)	775
C	Minus (-)	665	C	Minus (-)	800	C	Minus (-)	875	C	Minus (-)	875
	Normal	735		Normal	890		Normal	970		Normal	970
	Plus (+)	810		Plus (+)	975		Plus (+)	1070		Plus (+)	1070
D	Minus (-)	725	D	Minus (-)	965	D	Minus (-)	1205	D	Minus (-)	1205
	Normal	805		Normal	1070		Normal	1340		Normal	1340
	Plus (+)	885		Plus (+)	1180		Plus (+)	1475		Plus (+)	1475

<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.

# GMVC95 AIRFLOW SPECIFICATIONS (CONT.)

## HEATING SPEEDS

GMVC950453BXAA (Rise Range: 30° - 60°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	505	720	56
	Normal	560	800	51
	Plus (+)	615	880	46
B	Minus (-)	565	810	50
	Normal	630	900	45
	Plus (+)	695	990	41
C	Minus (-)	630	900	45
	Normal	700	1000	40
	Plus (+)	770	1100	37
D	Minus (-)	695	990	41
	Normal	770	1100	37
	Plus (+)	845	1210	33

GMVC950704CXAA (Rise Range: 30° - 60°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	790	1125	54
	Normal	875	1250	49
	Plus (+)	960	1375	44
B	Minus (-)	850	1215	50
	Normal	945	1350	45
	Plus (+)	1040	1485	41
C	Minus (-)	915	1305	47
	Normal	1015	1450	42
	Plus (+)	1115	1595	38
D	Minus (-)	975	1395	44
	Normal	1085	1550	39
	Plus (+)	1195	1705	36

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

GMVC950905DXAA (Rise Range: 30° - 60°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	1010	1440	56
	Normal	1120	1600	51
	Plus (+)	1230	1760	46
B	Minus (-)	1070	1530	53
	Normal	1190	1700	48
	Plus (+)	1310	1870	43
C	Minus (-)	1135	1620	50
	Normal	1260	1800	45
	Plus (+)	1385	1980	41
D	Minus (-)	1195	1710	47
	Normal	1330	1900	43
	Plus (+)	1465	2090	39

GMVC951155DXAA (Rise Range: 35° - 65°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	1165	1665	61
	Normal	1295	1850	55
	Plus (+)	1425	2035	50
B	Minus (-)	1195	1710	59
	Normal	1330	1900	53
	Plus (+)	1465	2090	48
C	Minus (-)	1230	1755	58
	Normal	1365	1950	52
	Plus (+)	1500	2145	47
D	Minus (-)	1260	1800	56
	Normal	1400	2000	51
	Plus (+)	1540	2200	46

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

# GCVC9 AIRFLOW SPECIFICATIONS

## HIGH- OR SINGLE-STAGE COOLING SPEEDS

GCVC90704CXAA		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	585
	Normal	650
	Plus (+)	715
B	Minus (-)	810
	Normal	900
	Plus (+)	990
C	Minus (-)	1195
	Normal	1325
	Plus (+)	1460
D	Minus (-)	1440
	Normal	1600
	Plus (+)	1760

GCVC90905DXAA		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	720
	Normal	800
	Plus (+)	880
B	Minus (-)	945
	Normal	1050
	Plus (+)	1155
C	Minus (-)	1305
	Normal	1450
	Plus (+)	1595
D	Minus (-)	1800
	Normal	2000
	Plus (+)	2200

GCVC91155DXAA		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	720
	Normal	800
	Plus (+)	880
B	Minus (-)	945
	Normal	1050
	Plus (+)	1155
C	Minus (-)	1305
	Normal	1450
	Plus (+)	1595
D	Minus (-)	1800
	Normal	2000
	Plus (+)	2200

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

## LOW-STAGE COOLING SPEEDS

GCVC90704CXAA		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	390
	Normal	435
	Plus (+)	480
B	Minus (-)	545
	Normal	605
	Plus (+)	665
C	Minus (-)	800
	Normal	890
	Plus (+)	975
D	Minus (-)	965
	Normal	1070
	Plus (+)	1180

GCVC90905DXAA		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	480
	Normal	535
	Plus (+)	590
B	Minus (-)	635
	Normal	705
	Plus (+)	775
C	Minus (-)	875
	Normal	970
	Plus (+)	1070
D	Minus (-)	1205
	Normal	1340
	Plus (+)	1475

GCVC91155DXAA		
Cooling Speed Tap	Adjust Tap	CFM <sup>1</sup>
A	Minus (-)	480
	Normal	535
	Plus (+)	590
B	Minus (-)	635
	Normal	705
	Plus (+)	775
C	Minus (-)	875
	Normal	970
	Plus (+)	1070
D	Minus (-)	1205
	Normal	1340
	Plus (+)	1475

<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.



## GCVC9 AIRFLOW SPECIFICATIONS (CONT.)

GCVC90704CXAA (Rise Range: 30° - 60°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	790	1125	54
	Normal	875	1250	49
	Plus (+)	960	1375	44
B	Minus (-)	850	1215	50
	Normal	945	1350	45
	Plus (+)	1040	1485	41
C	Minus (-)	915	1305	47
	Normal	1015	1450	42
	Plus (+)	1115	1595	38
D	Minus (-)	975	1395	44
	Normal	1085	1550	39
	Plus (+)	1195	1705	36

GCVC90905DXAA (Rise Range: 30° - 60°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	1010	1440	56
	Normal	1120	1600	51
	Plus (+)	1230	1760	46
B	Minus (-)	1070	1530	53
	Normal	1190	1700	48
	Plus (+)	1310	1870	43
C	Minus (-)	1135	1620	50
	Normal	1260	1800	45
	Plus (+)	1385	1980	41
D	Minus (-)	1195	1710	47
	Normal	1330	1900	43
	Plus (+)	1465	2090	39

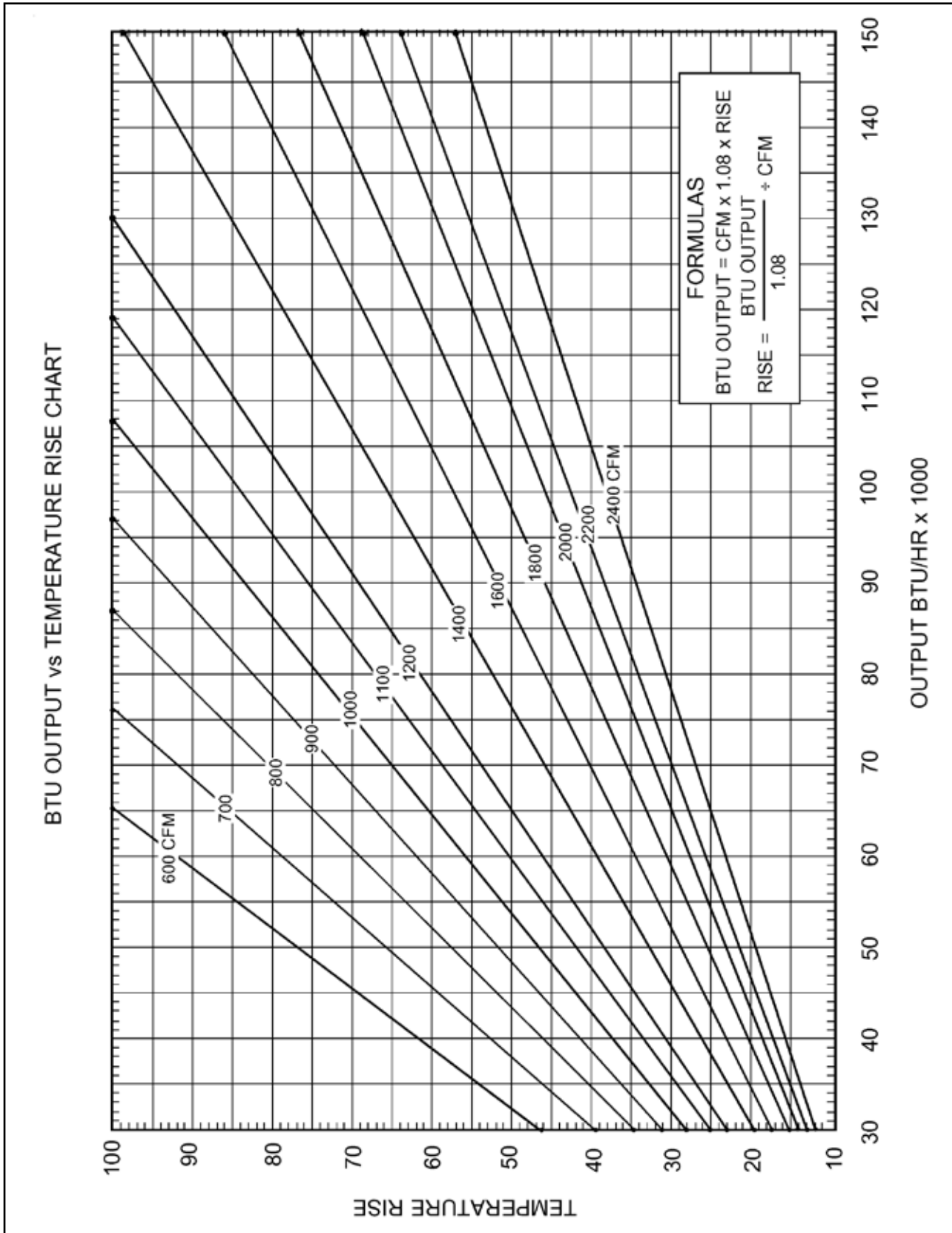
GCVC91155DXAA (Rise Range: 40° - 70°F)				
Cooling Speed Tap	Adjust Tap	Low-Stage CFM <sup>1</sup>	High-Stage CFM <sup>1</sup>	Rise (°F)
A	Minus (-)	1135	1620	62
	Normal	1260	1800	56
	Plus (+)	1385	1980	51
B	Minus (-)	1195	1710	59
	Normal	1330	1900	53
	Plus (+)	1465	2090	48
C	Minus (-)	1260	1800	56
	Normal	1400	2000	51
	Plus (+)	1540	2200	46
D	Minus (-)	1325	1890	54
	Normal	1470	2100	48
	Plus (+)	1615	2310	44

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

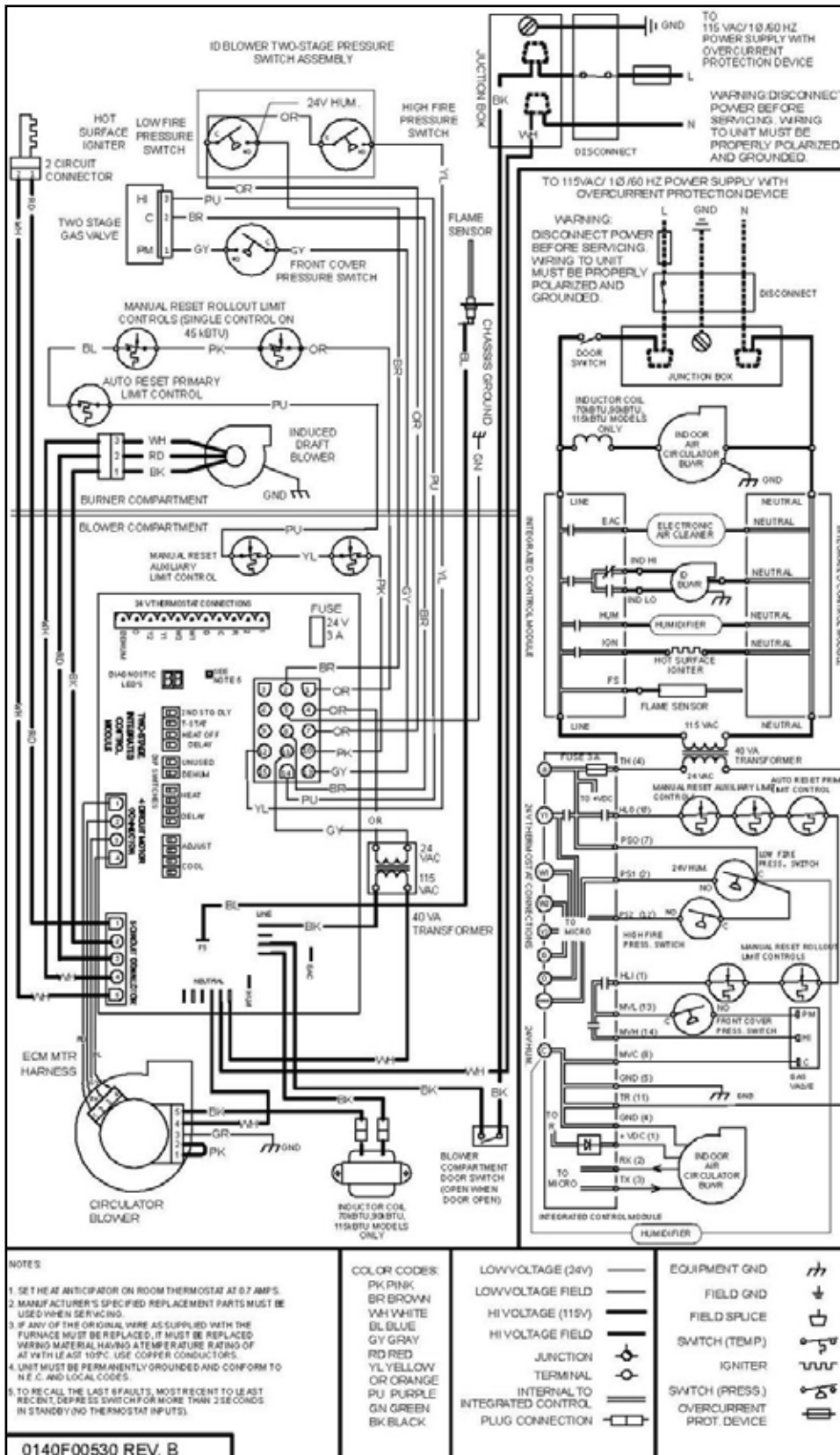
**Notes:**

- These charts are for furnaces installed at 0 - 2000 feet. At higher altitudes, a properly derated 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 above table.

# GMVC95/GCVC9 TEMPERATURE RISE CHART



# GMVC95/GCVC9 WIRING DIAGRAM

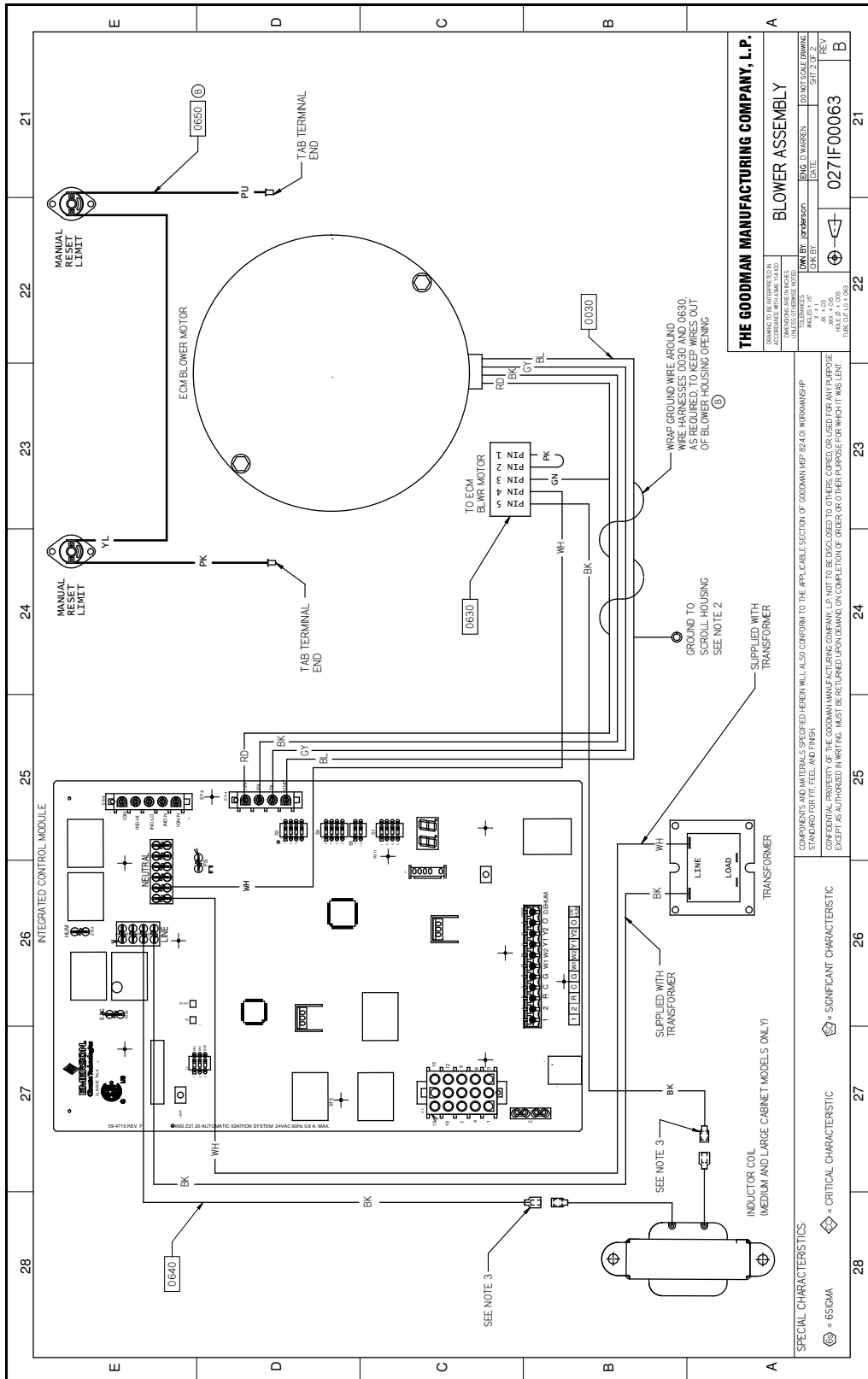


**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



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

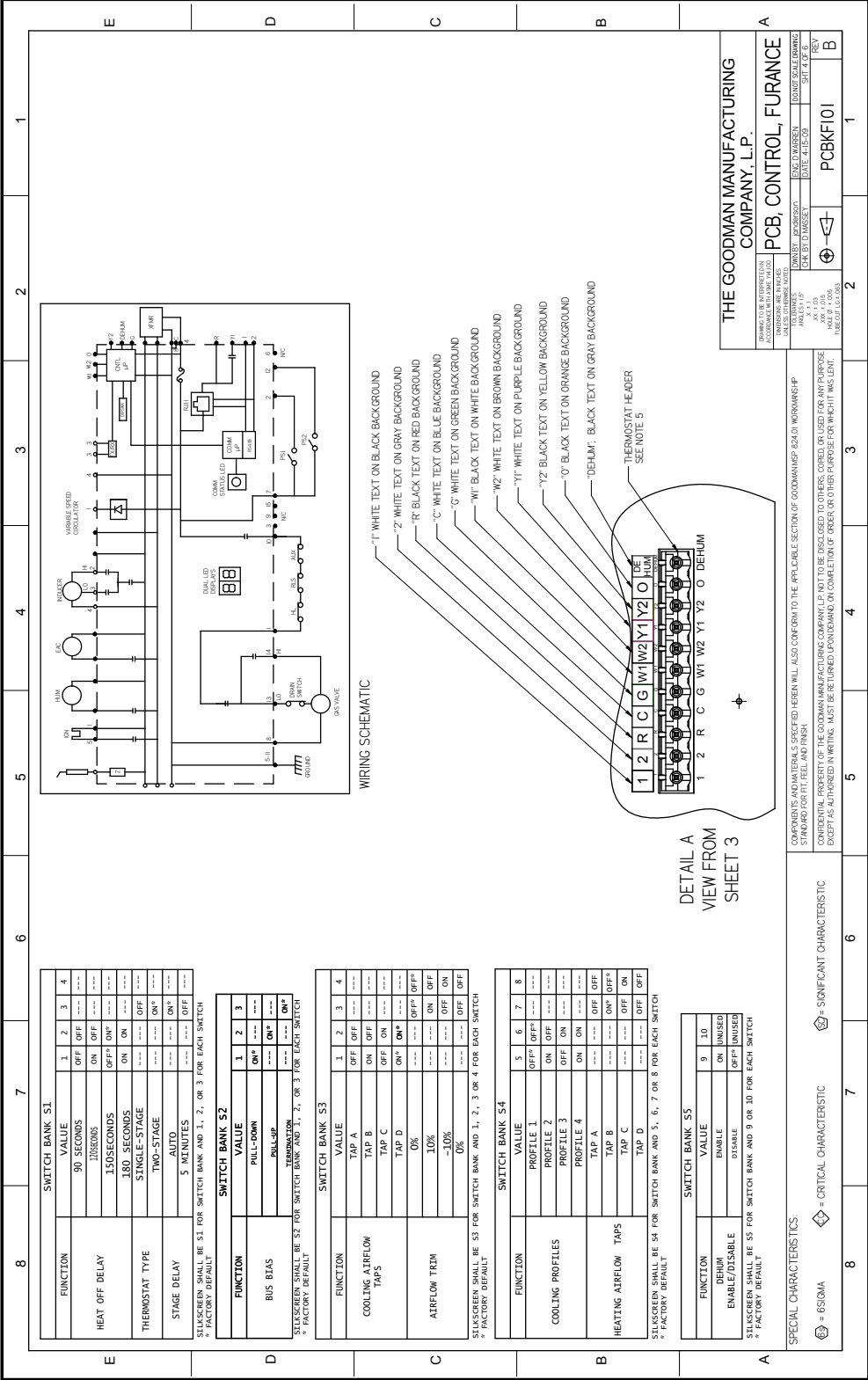
SCHEMATICS



Blower Assembly Schematic: AMVC95/ACVC9 Furnaces

Note: 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.)



THE GOODMAN MANUFACTURING COMPANY, L.P.  
 PCB, CONTROL, FURANCE

DATE: 12-15-20  
 DRAWN: J. J. DAVENPORT  
 CHECKED: J. J. DAVENPORT  
 DATE: 12-15-20  
 DESIGNED: J. J. DAVENPORT  
 DATE: 12-15-20

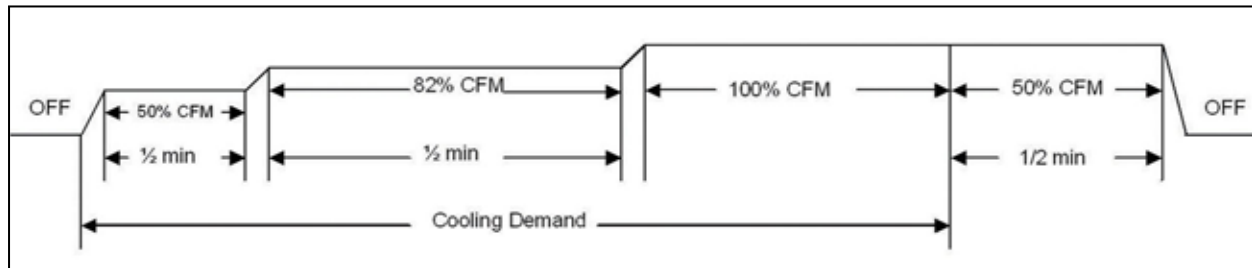
PCBKFI01

Typical Schematic: MV95/ACV9 — WR50C51-289 Integrated Ignition Control

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

## 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.



## 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

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

## THERMOSTATS

A two-stage thermostat should be used with the GMVC95/GCVC9 furnaces. 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 accompanying table describes two-stage thermostats that have been configured for use with these furnaces.

Model	Description
CHT90-120	Cooling/Heating, Mechanical
CH70TG	Cooling/Heating, Digital, Non-programmable
CHSATG	Cooling/Heating, Mechanical
CTK01AA	ComfortNet communicating control (2-stage cool/3-stage heat; programmable/non-programmable; dual-fuel support)
H20TWR	Heating Only, Mechanical

## ACCESSORIES

Model	Description	GMVC95 0453BX*	GMVC95 0704CX*	GMVC95 0905DX*	GMVC95 1155DX*	GVCV9 0704CX*	GVCV9 0905DX*	GVCV9 1155DX*
LPM-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	
GSAS	Electronic Air Cleaners (-10, -11, -12 or -18)	√	√	√	√	√	√	
GMU	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'.

## PRODUCT SPECIFICATIONS

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## NOTES

