

GMVS80-U

HEATING INPUT: 60,000 - 80,000 BTU/H



Multi-Position, Ultra-Low NO	
GAS FURNACI	
80% AFUL	

Contents

SINGLE-STAGE, VARIABLE-SPEED ECM,





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Standard Features

- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Heavy-duty stainless-steel dualdiameter tubular heat exchanger
- Single-stage gas valve
- Durable Hot-surface igniter
- · Quiet, modulating draft inducer
- Self-diagnostic control board
- Variable-speed ECM blower motor
- Eligible for installation in California's South Coast
 Air Quality Management District (SCAQMD) and San
 Joaquin Valley Air Pollution Control District (SJVUAPCD).
 This furnace complies with the 14 ng/J NOx emission
 limit in SCAQMD Rule 1111 and SJVUAPCD Rule 4905.
- EMI line filter kit must be installed. (It is intended for field installation only on "VS" model, Bluetooth® capable Ultra Low NOx Gas Furnaces. The purpose of the EMI Filter is to reduce electromagnetic interference between the furnace and other electrical devices)
- AHRI Certified; ETL Listed

Cabinet Features

- Installation: upflow, horizontal left or right
- Convenient left or right connection for gas and electrical service
- Heavy-gauge steel cabinet with durable baked-enamel finish
- Foil faced insulated heat exchanger









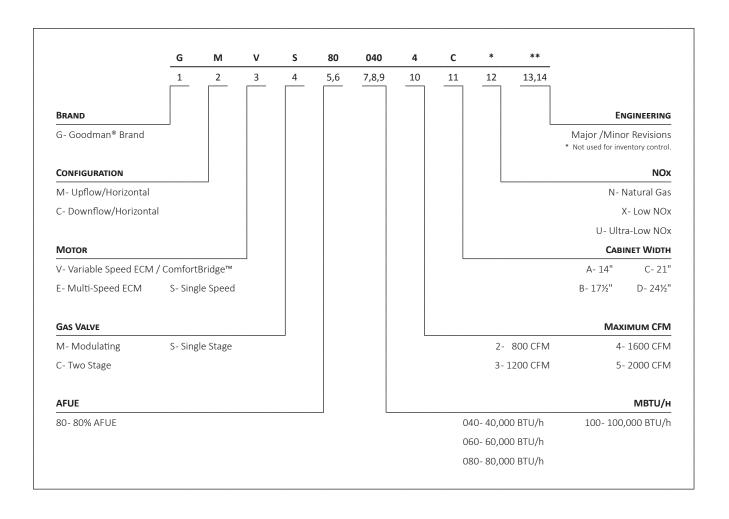








^{*} Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), 10-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.



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	GMVS80 0604BUA*	GMVS80 0805CUA*
HEATING CAPACITY		
Input	60,000	80,000
Natural Gas Output	48,000	64,000
AFUE 1	80	80
Available AC @ 0.5" ESP	1.5 - 4.0	2.0 - 5.0
Temperature Rise Range (°F)	20 - 50	35 - 65
CIRCULATOR BLOWER		
Size (D x W)	10" x 8"	10" x 10"
Horsepower	3/4	3/4
Speed	Variable	Variable
Vent Diameter ²	4"	4"
No. of Burners	1 Burner, 3 tubes	1 Burner, 4 tubes
Minimum Filter Size	(1) 16 x 25 (side or bottom)	(1) 20 x 25 (bottom) or (2) 16 x 25 (side)
ELECTRICAL DATA		
Min. Circuit Ampacity ³	11.6	11.6
Max. Overcurrent Device (amps) ⁴	15	15
SHIP WEIGHT (LBS)	112	127

¹ For Use With Natural Gas Only. For altitudes + 4500' above sea level, see installation manual.

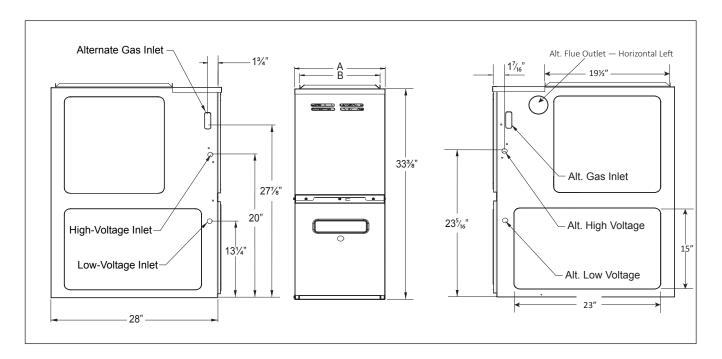
NOTES

- 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.

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.



Model	A	В
GMVS800604BU*	17½"	16"
GMVS800805CU*	21"	19½"

NOTES

• Line voltage wiring can enter through the right or left side of furnace. Low-voltage wiring can enter through the right or left side of furnace.

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

SIDES	Bran	Frout1	VE	NT ²	ТОР
	REAR	FRONT ¹	sw	В	IOP
1"	0"	3"	6"	1"	1"

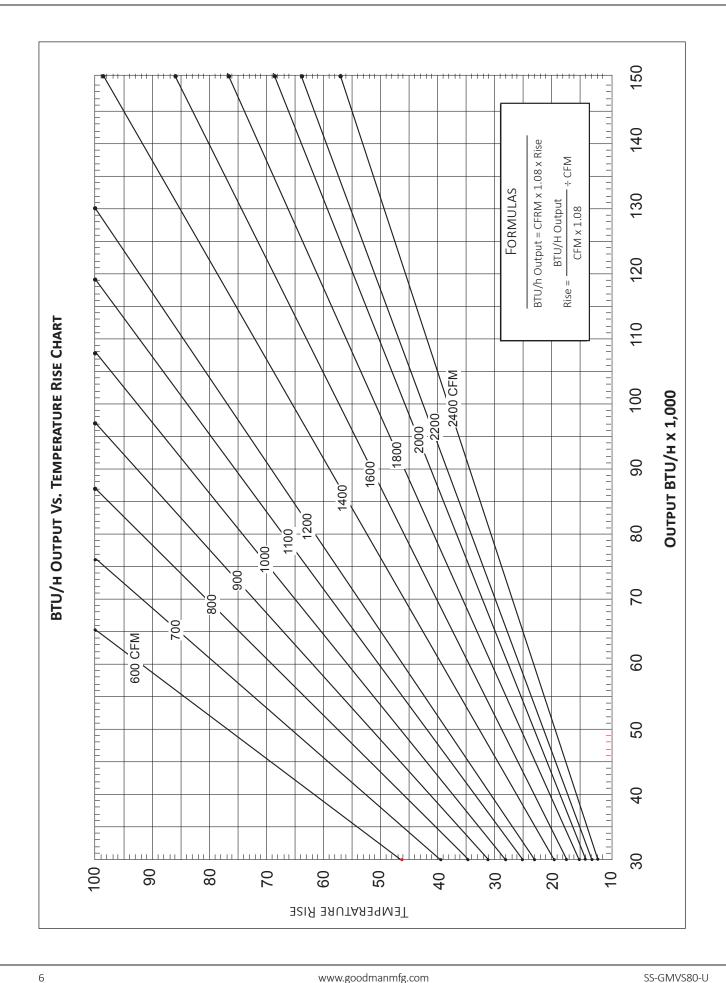
¹ 24" clearance for serviceability recommended.

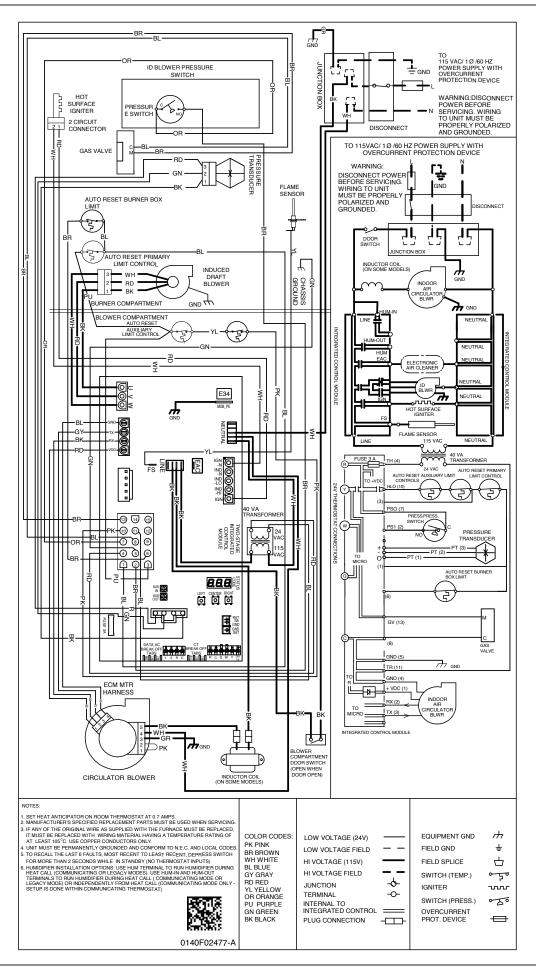
Note: GMVS80 approved for line contact in the horizontal position.

² Single Wall Vent (SW) to be used only as a connector. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

MODEL / TEMP RISE RANGE (MID RISE)	GMVS800604BU 20-50 (35)		GMVS80 35-65	
	CFM	RISE	CFM	RISE
Recommended CFM & Expected Temperature Rise	1524	35	1760 (MAX CAPABLE CFM)	40
Minimum Recommended Heating CFM & Expected Temperature Rise	1067	50	1422	50
Maximum Recommended Heating CFM & Expected Temperature Rise	1760 (MAX CAPABLE CFM)	25	1760 (MAX CAPABLE CFM)	40

Note: To Set Heating CFM Using Push Buttons; 1) Scroll using Left or Right push buttons until gAF appears on the 7 segment display. 2) Press & release center button & display will show current heating airflow expressed as a percentage of max CFM.3) Press & release Left or Right button until desired percentage appears. 4) Press & release center button once more to select the displayed percentage. 5) CFM may be trimmed further by using the gTF menu.





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.

MARNING ✓

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

MODEL	DESCRIPTION
MVK-01 ²	Masonry Vent Kit
TK-400	Twinning Kit

² Upflow applications only

MINIMUM FILTER SIZES

Model#	GMVS80 0604BU*	GMVS80 0805CU*
Filter Size (in²)	(1) 16 x 25 (Side or Bottom)	(2) 16 x 25 (Side) or (1) 20 x 25 (Bottom) ¹

Note: Larger filters may be used; filters may also be centrally located.

¹ Use 2-16 x 25 filters on side returns or 20 x 25 filter on bottom return if furnace is connected to a cooling unit over 4 tons nominal capacity.