



# AF80

## Gas Furnace – Mid Efficiency



### Features

- Heavy-gauge, pre-painted cabinet provides corrosion protection
- Multi-position for upflow, counterflow or horizontal applications
- Vertical venting or horizontal with power venter
- Individual balancing of each blower wheel to each furnace and Aire-Flo whisper-quiet burners all contribute to extremely quiet operation
- Crimp-Tite™ heat exchanger for reliable, efficient operation
- Run-tested at the factory to ensure reliable performance
- Time Delay/Off for A/C SEER enhancement
- Electronic air cleaner, humidifier and continuous fan connections
- Three-speed blower motor
- Diagnostic sleeve allows troubleshooting while the unit is running, saving time and money.
- Integrated furnace control with diagnostics and 115V HSI system
- Twinning compatible
- Certified to ANSI and CSA standards
- Five amp fused low voltage circuit protection
- Common LP kit for all Aire-Flo gas furnaces

### Efficiency:

80% AFUE

### Warranty:

20-year limited—heat exchanger

5-year limited—parts

### Capacity:

1-1/2- to 5-ton

50,000–125,000 BTUH

# AF80 Gas Furnace – Mid Efficiency

## Unit Specifications

	<b>AF80MPA050B3</b>	<b>AF80MPA075B3</b>	<b>AF80MPA100B4</b>	<b>AF80MPA125B5</b>
Gas	Natural (Lp with Conversion Kit)	Natural (Lp with Conversion Kit)	Natural (Lp with Conversion Kit)	Natural (Lp with Conversion Kit)
Input Rate (BTU per Hour)	50,000	75,000	100,000	125,000
Heating Capacity (BTU per Hour)	40,000	60,000	80,000	100,000
AFUE (Isolated Comb. System)	80%	80%	80%	80%
Temperature Rise	45-75°F	45-75°F	45-75°F	45-75°F
Volts/Phase/Hertz	115/1/60	115/1/60	115/1/60	115/1/60
Static Pressure (Certified Max.)	Certified for 0.50" W.C. Maximum External Static	Certified for 0.50" W.C. Maximum External Static	Certified for 0.50" W.C. Maximum External Static	Certified for 0.50" W.C. Maximum External Static
Blower Motor Horsepower	1/3	1/3	1/2	1/2
Blower Wheel Size (Diameter x Width)	10 x 6	10 x 6	12 x 9	12 x 12
Number of Heat Exchangers	2	3	4	4
Flue Size (Diameter)	4"	4"	4"	4"
Limit Control, Snap Disk Style	170°F	170°F	190°F	190°F
Gas Valve/Ignition Control	Integrated Furnace Control with 115 VAC HSI Systems	Integrated Furnace Control with 115 VAC HSI Systems	Integrated Furnace Control with 115 VAC HSI Systems	Integrated Furnace Control with 115 VAC HSI Systems
Transformer	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted
Maximum Outlet Temperature	180°F	180°F	180°F	180°F
Shipping Weights	105	113	141	141

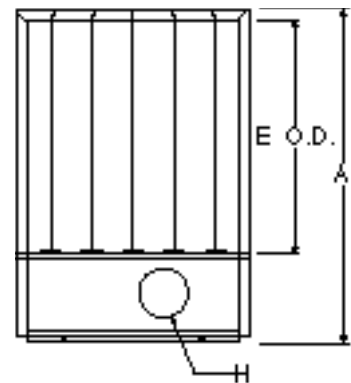
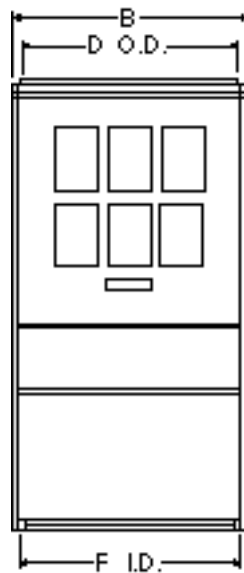
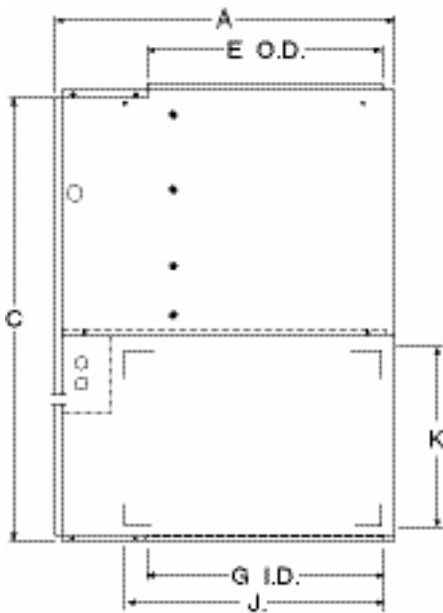
	<b>AF80MPA075B4</b>	<b>AF80MPA100B5</b>
Gas	Natural (Lp with Conversion Kit)	Natural (Lp with Conversion Kit)
Input Rate (BTU per Hour)	75,000	100,000
Heating Capacity (BTU per Hour)	60,000	80,000
AFUE (Isolated Comb. System)	80%	80%
Temperature Rise	30-60°F	30-60°F
Volts/Phase/Hertz	115/1/60	115/1/60
Static Pressure (Certified Max.)	Certified for 0.50" W.C. Maximum External Static	Certified for 0.50" W.C. Maximum External Static
Blower Motor Horsepower	1/2	1/2
Blower Wheel Size (Diameter x Width)	12 x 9	12 x 12
Number of Heat Exchangers	3	4
Flue Size (Diameter)	4"	4"
Limit Control, Snap Disk Style	170°F	190°F
Gas Valve/Ignition Control	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted
Transformer	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted	40 Va. 115 VAC Primary, 24 VAC Secondary, Foot-Mounted
Maximum Outlet Temperature	180°F	180°F
Shipping Weights	134	159
LP Conversion Kit Accessory	68L72	68L72



## General Layout

	AF80MPA050B3	AF80MPA075B3	AF80MPA075B4	AF80MPA100B4	AF80MPA100B5	AF80MPA125B5
Unit Dimensions	Cabinet Length (A)	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"
	Cabinet Width (B)	13-1/2"	13-1/2"	17"	17"	20-1/2"
	Cabinet Height (C)	38-1/4"	38-1/4"	38-1/4"	38-1/4"	38-1/4"
	Supply Duct Opening (D)	11-1/2"	11-1/2"	15"	15"	18-1/2"
	Supply Duct Opening (E)	20-3/8"	20-3/8"	20-3/8"	20-3/8"	20-3/8"
	Return Duct Opening* (F)	11-5/8"	11-5/8"	15-1/8"	15-1/8"	18-5/8"
	Return Duct Opening* (G)	21-3/8"	21-3/8"	21-3/8"	21-3/8"	21-3/8"
	Flue Diameter (H)	4"	4"	4"	4"	4"
	Side Return Cut-Out (J)	23-1/4"	23-1/4"	23-1/4"	23-1/4"	23-1/4"
	Side Return Cut-Out (K)	15"	15"	15"	15"	15"

\*Bottom door removed



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68L70 (12/05)

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