



Gas Furnaces AF80

TECHNICAL SPECIFICATIONS

- Heavy-gauge, pre-painted cabinet provides corrosion protection
- Multi-position for up-flow, counter-flow or horizontal applications
- Vertical venting or horizontal venting with field supplied power venter
- Crimped, aluminized steel heat exchanger and secondary stainless steel condensing heat exchanger for longer life
- Run-tested at the factory to ensure reliable performance
- Time Delay for A/C SEER enhancement
- Powered air cleaner, humidifier and continuous fan connections
- Three-speed blower motor
- Diagnostic door for easy troubleshooting
- 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

80% AFUE
50,000 to 125,000 Btuh Input
1.5 to 5 Tons Add-On Cooling

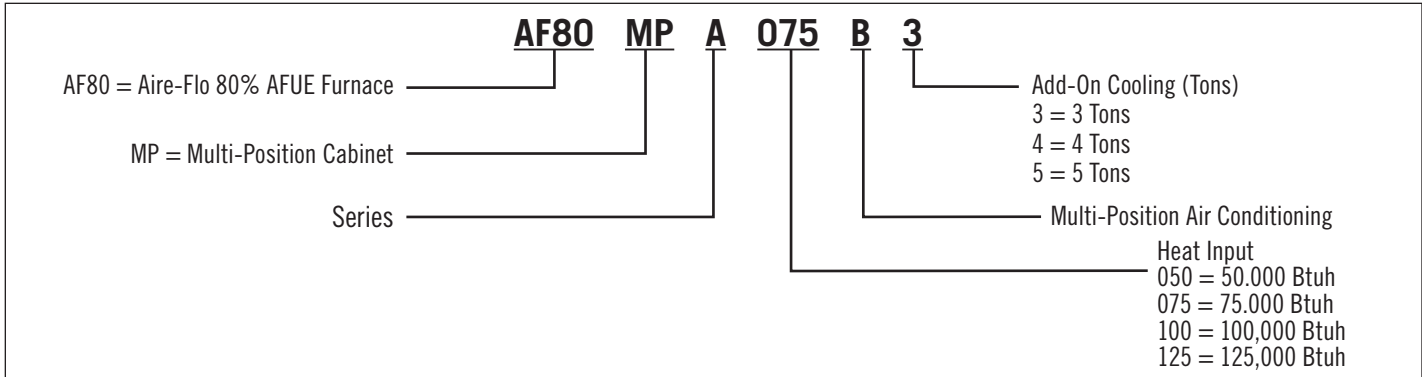


Warranty
Heat Exchanger - 20 Year Limited
Parts - 5 Year Limited

Gas Furnaces

AF80

Model Number Identification



Specifications

Model No.	AF80MPA050B3	AF80MPA075B3	AF80MPA075B4
Gas	Natural (LP with Conversion Kit)	Natural (LP with Conversion Kit)	Natural (LP with Conversion Kit)
Input Rate (BTU per Hour)	50,000	75,000	75,000
Heating Capacity (BTU per Hour)	40,000	60,000	60,000
AFUE (Isolated Comb. System)	80%	80%	80%
Temperature Rise	45-75°F	45-75°F	30-60°F
Volts/Phase/Hz	115/1/60	115/1/60	115/1/60
Static Pressure (Certified Max.)	Certified for 0.50" W.C. Maximum External Static		
Blower Motor Horsepower	1/3	1/3	1/2
Blower Wheel Size (Diameter x Width)	10 x 6	10 x 6	12 x 9
Number of Heat Exchangers	2	3	3
Flue Size (Diameter)	4"	4"	4"
Limit Control, Snap Disk Style	170°F	170°F	170°F
Gas Valve/Ignition Control	Integrated Furnace Control with 115 VAC HSI Systems		
Transformer	40 VA, 115 VAC Primary, 24 VAC Secondary, Foot-Mounted		
Maximum Outlet Temperature	180°F	180°F	180°F
Shipping Weight	105	113	134

Model No.	AF80MPA100B4	AF80MPA100B5	AF80MPA125B5
Gas	Natural (LP with Conversion Kit)	Natural (LP with Conversion Kit)	Natural (LP with Conversion Kit)
Input Rate (BTU per Hour)	100,000	100,000	125,000
Heating Capacity (BTU per Hour)	80,000	80,000	100,000
AFUE (Isolated Comb. System)	80%	80%	80%
Temperature Rise	45-75°F	30-60°F	45-75°F
Volts/Phase/Hz	115/1/60	115/1/60	115/1/60
Static Pressure (Certified Max.)	Certified for 0.50" W.C. Maximum External Static		
Blower Motor Horsepower	1/2	1/2	1/2
Blower Wheel Size (Diameter x Width)	12 x 9	12 x 12	12 x 12
Number of Heat Exchangers	4	4	5
Flue Size (Diameter)	4"	4"	4"
Limit Control, Snap Disk Style	190°F	190°F	190°F
Gas Valve/Ignition Control	Integrated Furnace Control with 115 VAC HSI Systems		
Transformer	40 VA, 115 VAC Primary, 24 VAC Secondary, Foot-Mounted		
Maximum Outlet Temperature	180°F	180°F	180°F
Shipping Weight	141	159	167

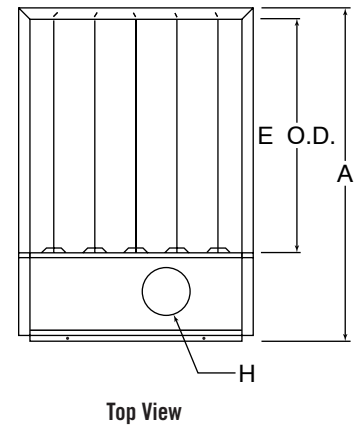
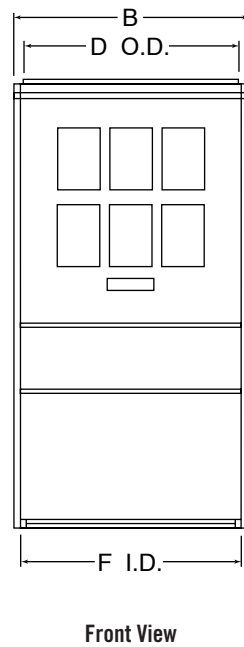
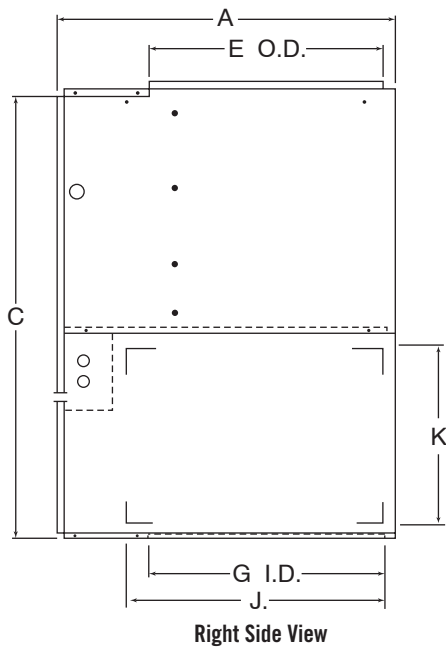
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AF80

Dimensions (in.) Up-Flow Position Shown

Model No.	AF80MPA050B3	AF80MPA075B3	AF80MPA075B4	AF80MPA100B4	AF80MPA100B5	AF80MPA125B5
Cabinet Length (A)	29-1/2	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	20-1/2
Cabinet Height (C)	38-1/4	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	18-1/2
Supply Duct Opening (E)	20-3/8	20-3/8	20-3/8	20-3/8	20-3/8	20-3/8
Return Duct Opening ¹ (F)	11-5/8	11-5/8	15-1/8	15-1/8	18-5/8	18-5/8
Return Duct Opening ¹ (G)	21-3/8	21-3/8	21-3/8	21-3/8	21-3/8	21-3/8
Flue Diameter (H)	4	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	23-1/4
Side Return Cut-Out (K)	15	15	15	15	15	15

¹ Bottom door removed.



1.800.982.2333



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