



AF92V

Gas Furnaces – High Efficiency



Features

- 92.1% AFUE
- Two-stage heating inputs range from 50,000 –125,000 Btuh
- 1-1/2- to 5-ton cooling capacity
- Variable speed motor and two-stage gas control system provide superior comfort and even temperatures
- Crimp-Tite aluminized steel heat exchanger with 20-year limited warranty; 5-year limited warranty on components (see warranty certificate for details)
- Upflow and horizontal left application flexibility
- Adjustable cooling air flow in 200 CFM increments
- Operational with a single-stage or two-stage thermostat
- Humidifier and Electronic Air Cleaner connections (115V) for add-on IAQ accessories
- Troubleshooting is fast and accurate with interruption-immune diagnostics and diagnostic sleeve
- Gradual blower acceleration and deceleration for quiet operation
- CSA-certified for U.S. and Canada

Efficiency:

92.1% AFUE

Warranty:

20-year limited—heat exchanger

5-year limited—parts

Capacity:

1-1/2- to 5-ton

50,000–125,000 BTUH

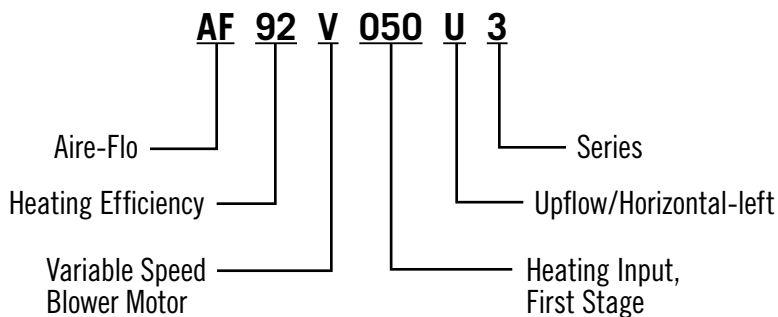
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Unit Specifications

	AF92V050U3	AF92V075U3	AF92V100U4	AF92V125U5
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)	50,000/40,000	75,000/60,000	100,000/80,000	125,000/100,000
Heating Capacity (BTU per Hour)	46,000	70,000	93,000	116,000
AFUE (Isolated Comb. System)	92.1%	92.1%	92.1%	92.1%
Temperature Rise	50°F	55°F	55°F	55°F
Volts/Phase/Hertz	120/1/60	120/1/60	120/1/60	120/1/60
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	1/2	1/2	3/4"	1"
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	5
Flue and Air Inlet Pipe – (Diameter) (Schedule 40PVC, CPVC or ABS used on all)	2"	2"	2"	2"
Limit Control, Snap Disk Style	170°F	170°F	170°F	170°F
Gas Valve/Ignition Control	2-Stage Gas Valve/Integrated Furnace Control with ECM Variable Speed Blower Motor	2-Stage Gas Valve/Integrated Furnace Control with ECM Variable Speed Blower Motor	2-Stage Gas Valve/Integrated Furnace Control with ECM Variable Speed Blower Motor	2-Stage Gas Valve/Integrated Furnace Control with ECM Variable Speed Blower Motor
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	152	158	187	217

Notes: U=Upflow (AF92V050U3)

Model Number Identification



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Airflow Data

	AF92V050U3 (10x6 Wheel) (1/2 HP Motor)	AF92V075U3 (10x6 Wheel) (1/2 HP Motor)	AF92V100U4 (12x9 Wheel) (3/4 HP Motor)	AF92V125U5 (12x9 Wheel) (1 HP Motor)
Heating CFM				
Low Fire	600	1000	1240	1250
High Fire	775	1230	1550	1940
Adjustment				
Setting "A"				
Norm	1200	1200	1600	2000
(+)	1380	1380	1800	2200
(-)	1020	1020	1360	1700
Setting "B"				
Norm	1000	1000	1400	1800
(+)	1150	1150	1610	2070
(-)	850	850	1190	1700
Setting "C"				
Norm	800	800	1200	1600
(+)	920	920	1380	1840
(-)	680	680	1020	1360
Setting "D"				
Norm	600	600	1000	1400
(+)	690	690	1150	1610
(-)	510	510	850	1190

Maximum Vent Lengths

	Number of Elbows	Non-Direct Vent (1 Pipe) System & Direct Vent (2 Pipe) System			
		AF92V050U3	AF92V075U3	AF92V100U4	AF92V125U5
(Allowable Max. Vent Lengths of 2" Dia. PVC, CPVC or ABS Sched. 40 Pipe)	1	60	60	35	20
	2	58	58	30	15
	3	55	55	24	9
	4	53	53	18	4
	5	50	50	12	–

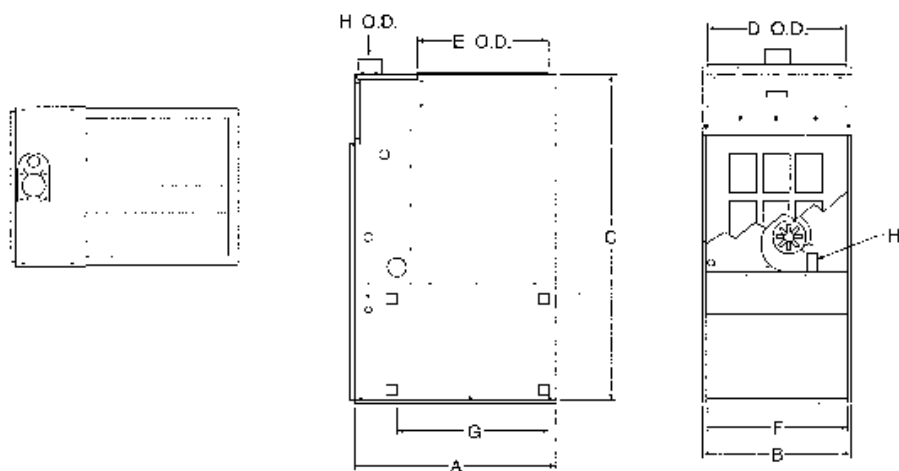
	Number of Elbows	Non-Direct Vent (1 Pipe) System	
		AF92V050U3	AF92V075U3
(Allowable Max. Vent Lengths of 3" Dia. PVC, CPVC or ABS Sched. 40 Pipe)	1	80	80
	2	76	76
	3	73	73
	4	70	70
	5	65	65

	Number of Elbows	Non-Direct Vent (2 Pipe) System	
		AF92V100U4	AF92V125U5
(Allowable Max. Vent Lengths of 3" Dia. PVC, CPVC or ABS Sched. 40 Pipe)	1	65	65
	2	61	61
	3	58	58
	4	55	55
	5	50	50

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General Layout

	AF92V050U3	AF92V075U3	AF92V100U4	AF92V125U5	
Unit Dimensions	Cabinet Length (A)	29-1/2"	29-1/2"	29-1/2"	
	Cabinet Width (B)	13-1/2"	13-1/2"	17"	20-1/2"
	Cabinet Height (C)	47-3/8"	47-3/8"	47-3/8"	47-3/8"
	Supply Duct Opening (D)	11-1/2"	11-1/2"	15"	18-1/2"
	Supply Duct Opening (E)	18-15/16"	18-15/16"	18-15/16"	18-15/16"
	Return Duct Opening* (F)	12"	12"	15-1/2"	19"
	Return Duct Opening* (G)	21-5/8"	21-5/8"	21-5/8"	21-5/8"
	Air Inlet & Vent Pipe Diameter (H)	2"	2"	2"	2"



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