

B5VM Series

Variable Speed Air Handler

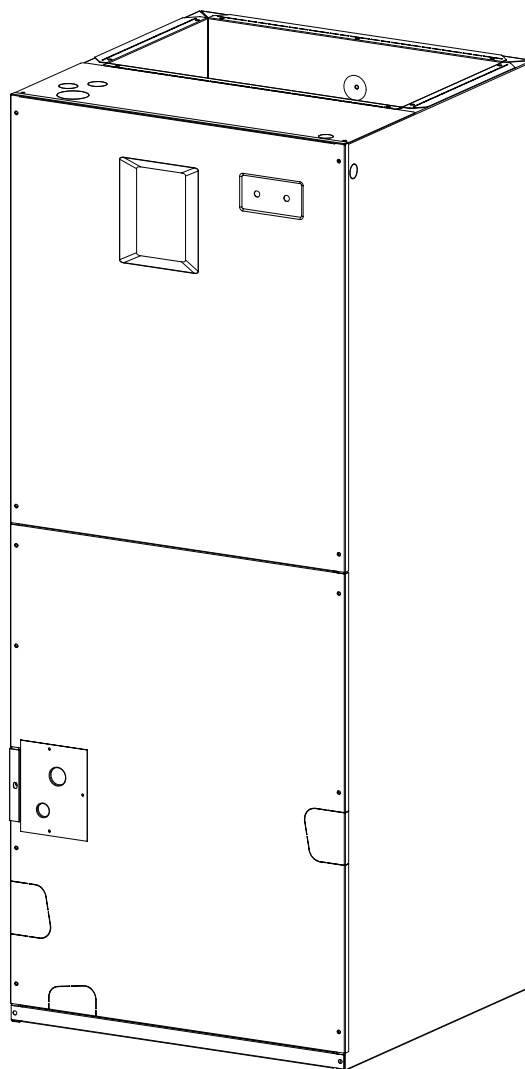
13/14 SEER Residential System

18,000 - 60,000 Btuh (Heat Pump & Air Conditioner)

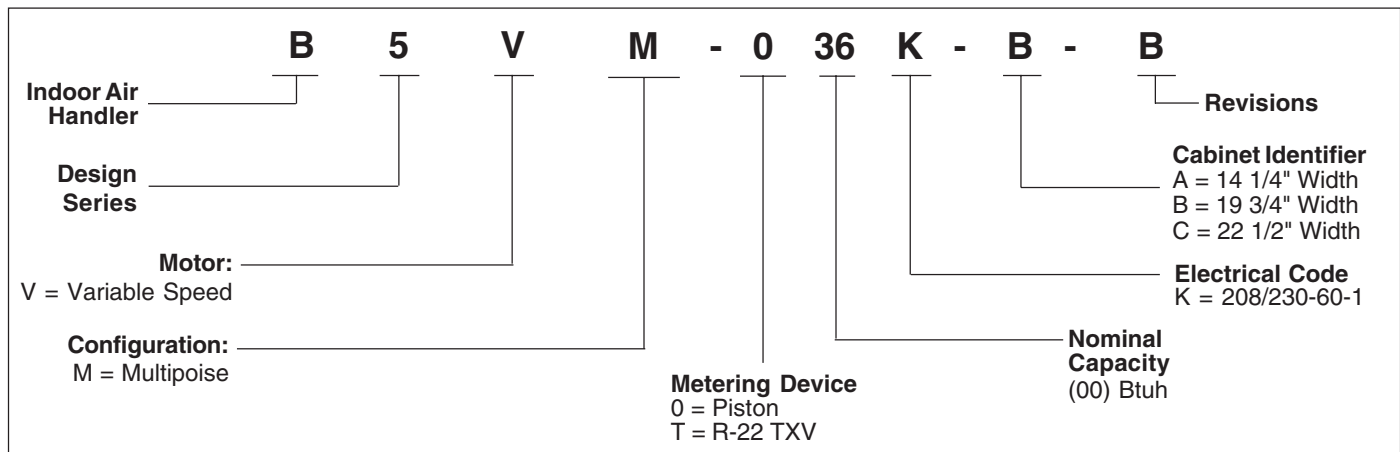
The B5VM Series of air handlers, when combined with our heat pump or air conditioner, offer a full line of quality, split system heating and cooling equipment.

FEATURES and BENEFITS

- **Durable, Attractive Cabinet**— Designed using galvanized steel. The door is also galvanized steel, with a polyester urethane finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units. The plastic drain pan is corrosion-resistant.
- **Multi-poised** — Can be used in horizontal, upflow, downflow and vertical applications.
- **Increased Efficiencies** — Air conditioning and heat pump efficiencies up to 14 SEER and 8.5 HSPF.
- **ECM Variable Speed Motor** — Advanced technology allows for 12 selected cooling airflows and 4 heating airflows to match any application.
- **Quiet Blower Operation** — Extra quiet and smooth blower on and off cycles.
- **Constant Airflow** — Motor automatically adjusts to different static loads.
- **Field selectable delay profiles** — Increase efficiency and comfort.
- **Reduced air stratification**— This results in improved air quality by optimizing humidity removal and filtration capabilities.
- **Ease-of-Service**— Plug-in wire connections and built-in filter rack makes the air handler easy to service.
- **Plug-in Heater Kits** — Available in 5 kw - 30 kw
- **Circuit Board**— Incorporating low voltage terminal strip, and heat-strip sequencing.
- **Air Handler Control Board**— Controls time-sequencing of heat stages with field-selectable sequence timing.
- **Breaker Accessibility** — Breaker accessible from front of unit when heater is applied.
- **No Fasteners on Sides or Back** — Smooth surfaces for ease of installation.
- **Cabinet Insulation** — 1" insulation with an R-value of 4.2 contributes to quiet operation and prevents cabinet sweating in difficult applications.
- **Warranty** – The best in the industry.
 - 5 year limited parts
 - 2 year mileage
 - 2 year labor



MODEL IDENTIFICATION CODE



ELECTRICAL DATA

Model Number H6HK-	Voltage	KW	Standard Air Handler							Variable Speed Air Handler								
			Min. Circuit Ampacity				Max. Over-Current Protection				Min. Circuit Ampacity				Max. Over-Current Protection			
			Circuit A	Circuit B	Circuit C	Single Circuit	Circuit A	Circuit B	Circuit C	Single Circuit	Circuit A	Circuit B	Circuit C	Single Circuit	Circuit A	Circuit B	Circuit C	Single Circuit
005H-XX	240	4.8	-	-	-	32.5	-	-	-	40	-	-	-	33.5	-	-	-	40
008H-XX	240	7.5	-	-	-	46.6	-	-	-	50	-	-	-	48.1	-	-	-	50
010H-XX	240	9.6	-	-	-	57.5	-	-	-	60	-	-	-	58.5	-	-	-	60
015H-XX	240	14.4	57.5	25.0	-	82.5	60	30	-	90	58.5	25.0	-	83.5	60	30	-	90
020H-XX	240	19.2	57.5	50.0	-	107.5	60	60	-	125	58.5	50.0	-	108.5	60	50	-	125
025H-XX	240	14.4	57.5	50.0	25.0	132.5	60	60	30	150	58.5	50.0	25.0	133.5	60	30	30	150
030H-XX	240	19.2	57.5	50.0	50.0	157.5	60	60	60	175	58.5	50.0	50.0	158.5	60	50	60	175
005H-XX	208	3.6	-	-	-	29.1	-	-	-	30	-	-	-	30.9	-	-	-	40
008H-XX	208	5.6	-	-	-	41.2	-	-	-	50	-	-	-	43.1	-	-	-	50
010H-XX	208	7.2	-	-	-	50.8	-	-	-	60	-	-	-	52.5	-	-	-	60
015H-XX	208	10.8	50.8	21.6	-	72.4	60	25	-	80	52.5	21.6	-	74.2	60	30	-	80
020H-XX	208	14.4	50.8	43.3	-	94.0	60	50	-	100	52.5	43.3	-	95.8	60	50	-	100
025H-XX	208	10.8	50.8	43.3	21.6	115.7	60	50	25	125	52.5	43.3	21.6	74.2	60	30	25	125
030H-XX	208	14.4	50.8	43.3	43.3	137.3	60	50	50	150	52.5	43.3	43.3	95.8	60	50	50	150
009Q-XX	240	9.0	-	-	-	34.6	-	-	-	40	-	-	-	35.6	-	-	-	40
015Q-XX	240	14.4	-	-	-	50.9	-	-	-	60	-	-	-	51.9	-	-	-	60
009Q-XX	208	6.8	-	-	-	31.1	-	-	-	40	-	-	-	32.1	-	-	-	40
015Q-XX	208	10.8	-	-	-	45.0	-	-	-	50	-	-	-	46.0	-	-	-	50

AIRFLOW SELECTION FOR VARIABLE SPEED MODELS

Basic Airflow Setting

A-CABINET

CFM	Switch Number				Nominal Capacity			
	1	2	3	4	1.5	2.0	2.5	3.0
540	0	0	0	1				
600	0	0	0	0				
660	0	0	1	0				
715	1	0	0	1				
790	1	0	0	0				
870	1	0	1	0				
915	0	1	0	1				
955	1	1	0	1				
1015	0	1	0	0				
1060	0	1	1	0				
1075	1	1	0	0				
1165	1	1	1	0				

B-CABINET

CFM	Switch Number				Nominal Capacity					
	1	2	3	4	1.5	2.0	2.5	3.0	3.5	4.0
720	0	0	0	1						
800	0	0	0	0						
850	1	0	0	1						
880	0	0	1	0						
945	1	0	0	0						
1040	1	0	1	0						
1085	0	1	0	1						
1140	1	1	0	1						
1205	0	1	0	0						
1265	1	1	0	0						
1325	0	1	1	0						
1390	1	1	1	0						

C-CABINET

CFM	Switch Number				Nominal Capacity				
	1	2	3	4	3.0	3.5	4.0	5.0	
1075	0	0	0	1					
1135	1	0	0	1					
1225	0	0	0	0					
1295	1	0	0	0					
1380	0	0	1	0					
1460	1	0	1	0					
1525	0	1	0	1					
1625	1	1	0	1					
1740	0	1	0	0					
1860	1	1	0	0					
1960	0	1	1	0					
2090	1	1	1	0					

Note: 1 = ON, 0 = OFF

ACCESSORIES

Accessory Kit Description	Cabinet Size			Order Number
	A	B	C	
Down-flow adaptor kit	X			917342
		X		919321
			X	919322
Single circuit adaptor for 2 circuit breakers	X	X	X	913874
Single circuit adaptor for 3 circuit breakers	n/a	n/a	X	913556
Horizontal conversion kit for vertical-only units	X	X		903749
		X ¹		914730
			X	914730

¹ Required for 042 models

240V Single-Phase Heater Kit Application

Nominal KW	Matched Units								Order Number	
	024/025K - A	030K-A	024/025K - B	030K-B	036K-B	042K-B	048K-C	060K-C	With Circuit Breakers	Without Circuit Breakers
5	X	X	X	X	X	X	X	X	904407	904406
8	X	X	X	X	X	X	X	X	904409	904408
10	X	X	X	X	X	X	X	X	904412	904411
15	n/a	X	n/a	X	X	X	X	X	904414	n/a
20	n/a	n/a	n/a	X	X	X	X	X	904416	n/a
25	n/a	n/a	n/a	n/a	n/a	n/a	X	X	904417	n/a
30	n/a	n/a	n/a	n/a	n/a	n/a	X	X	904418	n/a

240V Three-Phase Heater Kit Application

Nominal KW	Matched Units								Order Number	
	024/025K - A	030K-A	024/025K - B	030K-B	036K-B	042K-B	048K-C	060K-C	With Circuit Breakers	Without Circuit Breakers
9	X	X	X	X	X	X	X	X	904410	n/a
15	n/a	X	n/a	X	X	X	X	X	904415	n/a



CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

