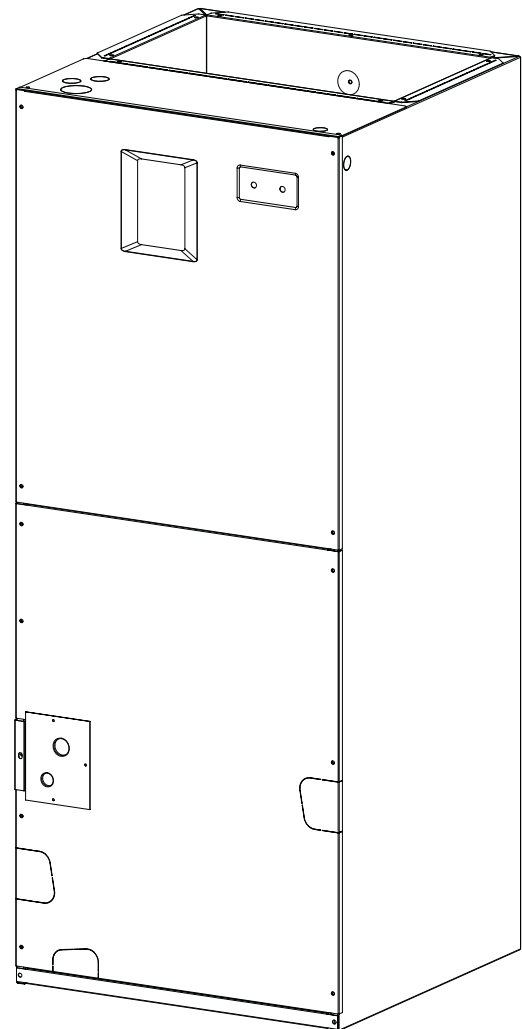


## B5BM Series Air Handler 13 SEER Residential System 18,000 - 60,000 Btuh (Heat Pump & Air Conditioner)

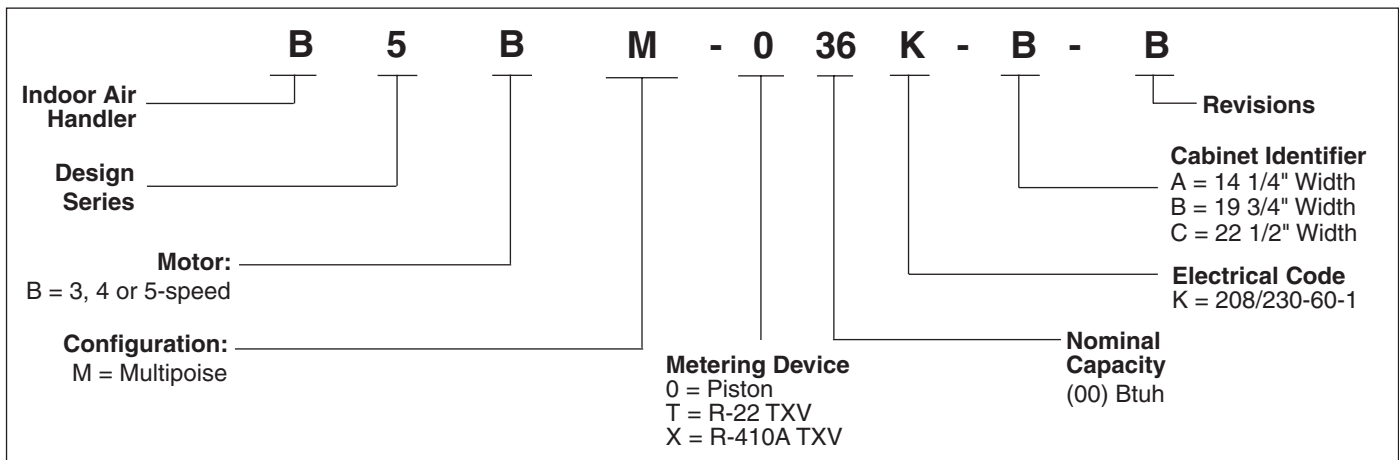
The B5BM Series of air handlers, when combined with our heat pump or air conditioner, offer a full line of quality, split system heating and cooling equipment.

### 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.
- **Multi-speed** — Gives flexibility of installation.
- **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 5kw - 30 kw (Not for use in 115 Volt units)
- **Circuit Board** — Incorporating blower time delay relay, 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 (A & B size)								Variable Speed & Std Air Handler (C size)							
			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
NONE	240	-	-	-	-	7.5	-	-	-	15	-	-	-	8.5	-	-	-	15
005H-XX	240	4.8	-	-	-	30	-	-	-	30	-	-	-	34	-	-	-	40
008H-XX	240	7.5	-	-	-	45	-	-	-	50	-	-	-	48	-	-	-	50
010H-XX	240	9.6	-	-	-	55	-	-	-	60	-	-	-	59	-	-	-	60
015H-XX	240	14.4	55	25	-	80	60	30	-	90	59	25	-	83	60	30	-	90
020H-XX	240	19.2	55	50	-	105	60	60	-	125	59	50	-	109	60	60	-	125
025H-XX	240	24.0	-	-	-	-	-	-	-	-	59	50	25	134	60	60	30	150
030H-XX	240	28.8	-	-	-	-	-	-	-	-	59	50	50	159	60	60	60	175
NONE	208	-	-	-	-	7.5	-	-	-	15	-	-	-	8.5	-	-	-	15
005H-XX	208	3.6	-	-	-	27	-	-	-	30	-	-	-	30	-	-	-	40
008H-XX	208	5.6	-	-	-	39	-	-	-	40	-	-	-	42	-	-	-	50
010H-XX	208	7.2	-	-	-	48	-	-	-	50	-	-	-	52	-	-	-	60
015H-XX	208	10.8	48	21	-	70	50	25	-	80	52	22	-	73	60	25	-	80
020H-XX	208	14.4	48	43	-	92	50	50	-	100	52	43	-	95	60	50	-	100
025H-XX	208	18.0	-	-	-	-	-	-	-	-	52	43	22	117	60	50	25	125
030H-XX	208	21.6	-	-	-	-	-	-	-	-	52	43	43	138	60	50	50	150
009Q-XX	240	9.0	-	-	-	32	-	-	-	40	-	-	-	36	-	-	-	40
015Q-XX	240	14.4	-	-	-	48	-	-	-	50	-	-	-	52	-	-	-	60
009Q-XX	208	6.8	-	-	-	29	-	-	-	30	-	-	-	32	-	-	-	40
015Q-XX	208	10.8	-	-	-	43	-	-	-	50	-	-	-	46	-	-	-	50

## 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 <sup>1</sup>		914730
			X	914730
Variable Speed Blower Conversion Kit	X			919325
		X		919326
			X	919327

<sup>1</sup>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	037K-B	042K-B	048K-C	060K-C	With Circuit Breakers	Without Circuit Breakers
5	X	X	X	X	X	X	X	X	X	904407	904406
8	X	X	X	X	X	X	X	X	X	904409	904408
10	X	X	X	X	X	X	X	X	X	904412	904411
15	n/a	X	n/a	X	X	X	X	X	X	904414	n/a
20	n/a	n/a	n/a	X	X	X	X	X	X	904416	n/a
25	n/a	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	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	037K-B	042K-B	048K-C	060K-C	With Circuit Breakers	Without Circuit Breakers
9	X	X	X	X	X	X	X	X	X	904410	n/a
15	n/a	X	n/a	X	X	X	X	X	X	904415	n/a



# BLOWER PERFORMANCE DATA

Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*24/*25K, A-Cabinet</b>	Low	683	647	607	563	515	463	406	345
	Corrected ESP <sup>1</sup>	0.00	0.07	0.19	0.30	0.42	0.53	0.65	0.76
	Medium	861	823	781	734	682	625	564	498
	Corrected ESP <sup>1</sup>	0.00	0.00	0.11	0.23	0.36	0.48	0.60	0.72
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*30K, A-Cabinet</b>	Low	849	825	793	753	704	647	581	508
	Corrected ESP <sup>1</sup>	0.00	0.04	0.15	0.27	0.38	0.50	0.62	0.74
	Medium	1118	1087	1046	997	940	874	799	717
	Corrected ESP <sup>1</sup>	0.00	0.00	0.04	0.17	0.29	0.42	0.55	0.68
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*24/*25K, B-Cabinet</b>	Low	708	690	664	628	584	532	471	401
	Corrected ESP <sup>1</sup>		0.08	0.19	0.30	0.41	0.53	0.64	0.76
	Medium	909	904	886	854	810	753	683	600
	Corrected ESP <sup>1</sup>			0.10	0.22	0.33	0.46	0.58	0.71
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*30/*36/*37K, B-Cabinet</b>	Low	953	915	871	821	764	701	631	555
	Corrected ESP <sup>1</sup>	0.00	0.04	0.16	0.27	0.39	0.51	0.62	0.74
	Medium	1265	1232	1188	1133	1067	991	903	805
	Corrected ESP <sup>1</sup>	0.00	0.00	0.03	0.15	0.28	0.41	0.54	0.68
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*42K, B-Cabinet</b>	Low	1324	1302	1271	1233	1187	1134	1072	1003
	Corrected ESP <sup>1</sup>	0.00	0.06	0.17	0.27	0.38	0.49	0.61	0.72
	Medium	1485	1455	1418	1373	1320	1260	1193	1118
	Corrected ESP <sup>1</sup>	0.00	0.00	0.13	0.24	0.36	0.47	0.58	0.70
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*48/*49K, C-Cabinet</b>	Low	1605	1606	1592	1565	1524	1468	1399	1316
	Corrected ESP <sup>1</sup>	0	0.11	0.21	0.31	0.42	0.52	0.63	0.74
	Medium	1977	1939	1890	1830	1758	1675	1580	1474
	Corrected ESP <sup>1</sup>	0	0	0.18	0.28	0.39	0.50	0.61	0.72
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*60K, C-Cabinet</b>	Low	1348	1272	1198	1126	1056	988	922	858
	Corrected ESP <sup>1</sup>	0.00	0.11	0.22	0.33	0.44	0.55	0.65	0.76
	Med-Low	1517	1455	1390	1325	1258	1189	1120	1048
	Corrected ESP <sup>1</sup>	0.00	0.00	0.19	0.30	0.41	0.52	0.63	0.74
	Medium	1799	1752	1702	1650	1596	1539	1481	1420
	Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.25	0.36	0.47	0.58	0.69
	Med-High	1956	1910	1862	1811	1756	1699	1639	1575
	Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.22	0.33	0.44	0.55	0.66
High	2146	2099	2050	2000	1948	1894	1839	1783	
Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.00	0.29	0.40	0.51	0.62	

## Notes:

- 1) Airflow is shown in cfm, +/- 5%.
- 2) External static pressure (ESP) is shown in inches w.c.
- 3) See unit nameplate or installation instructions for maximum recommended external static pressure.

<sup>1</sup> ESP estimate with wet coil and filter

