

**MAYTAG**

## TECHNICAL SPECIFICATIONS

*Model B5BM Series*



M120 Product Line

**Air Handler**  
**13 SEER Residential System**



- **12 YEAR ALL PARTS WARRANTY**
- **Product registration required for 12 year All Parts Warranty within a limited period of time after the installation. See current warranty document for details. This can be viewed at [www.maytagvac.com](http://www.maytagvac.com) or ask your sales representative.**



The B5 Series of air handlers, when combined with our heat pump or air conditioner, offers a full line of quality, split system heating and cooling equipment.

#### **Features and Benefits**

- **Multi-speed** - Gives flexibility of installation.
- **Multi-poised** - Can be used in horizontal, upflow, downflow and vertical applications.
- **Built in Filter Rack** - makes the air handler easy to service.
- **Plug-in Heater Kits** - Available in 5 kw through 30 kw.
- **Breaker Accessibility** - Breaker accessible from the front of the unit when heater is applied.
- **Plastic Drain Pan** - Provides corrosion resistance.
- **Durable Cabinet** - Galvanized steel with a polyurethane finish. The finish will endure 950 hours of salt spray and resist corrosion 50% better than comparable 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.
- **Ease-of-Service** - Plug-in wire connections and built-in filter rack makes the air handler easy to service.
- **No Fasteners on Sides or Back** - Smooth surfaces for installations.
- **Cabinet Insulation** - 1" insulation with an R-value of 4.2 contributes to quiet operation and prevents cabinet sweating in difficult applications.
- **Designed to meet the requirements 610.2.A.2** - Meets Florida building code requirements for air leakage.

# 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>		919405
			X	914730
Variable Speed Blower Conversion Kit	X			919325
		X		919326
			X	919327

<sup>1</sup> Required for \*42 models

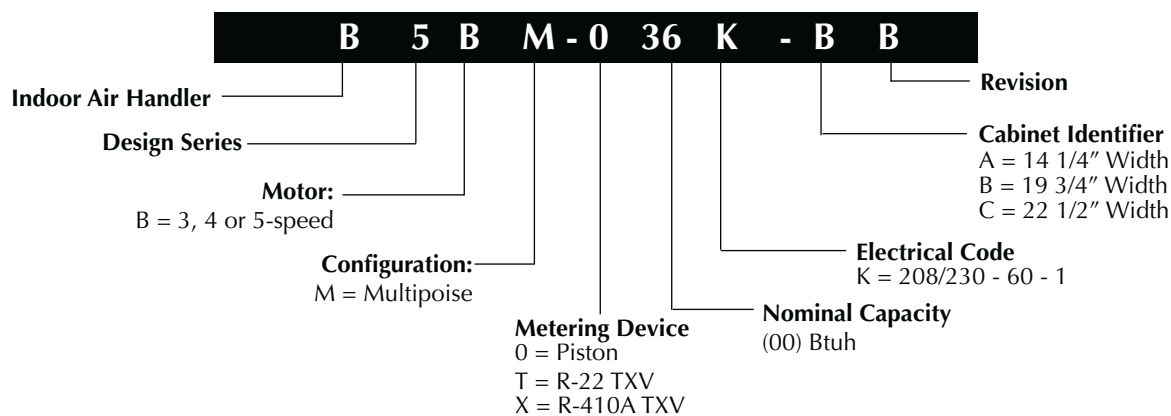
## 240V Single-Phase Heater Kit Application

Nominal KW	Matched Units							Order Number		
	*24K-A	*30K-A	*24K-B	*30K-B	*36K-B	*42K/48K-B	*48K-C	*60K-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		
	*24K-A	*30K-A	*24K-B	*30K-B	*36K-B	*42/48K-B	*48K-C	*60K-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

# IDENTIFICATION CODE



# BLOWER PERFORMANCE DATA

Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*24K, 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
	High	1072	1026	975	920	860	797	730	659
	Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.14	0.27	0.40	0.53	0.67
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
	High	1277	1233	1184	1130	1070	1005	935	860
	Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.10	0.23	0.36	0.49	0.63
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*24K, 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
	High	1118	1132	1126	1101	1056	992	908	805
	Corrected ESP <sup>1</sup>				0.09	0.22	0.35	0.49	0.64
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*30/*36K, 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
	High	1427	1385	1333	1270	1196	1113	1018	913
	Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.09	0.23	0.36	0.50	0.64
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*42/*48K, 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
	High	1637	1601	1558	1506	1447	1380	1305	1223
	Corrected ESP <sup>1</sup>	0.00	0.00	0.00	0.21	0.33	0.44	0.56	0.68
Dry Coil ESP		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
<b>*48K, 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
	High	2264	2182	2095	2003	1906	1805	1698	1586
	Corrected ESP <sup>1</sup>	0	0	0	0.26	0.37	0.49	0.60	0.71
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:

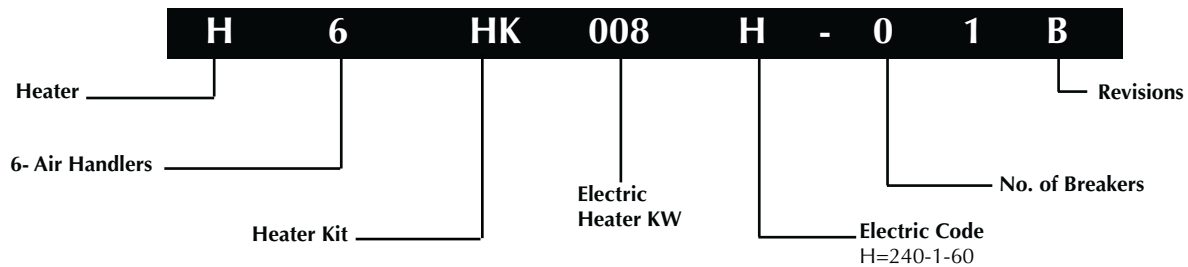
- 1) Airflow is shown in cfm, +/- 5%.
- 2) External static pressure (ESP) is shown in inches w.c.
- 3) See unit nameplate or installation instructions for maximum recommended external static pressure.

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

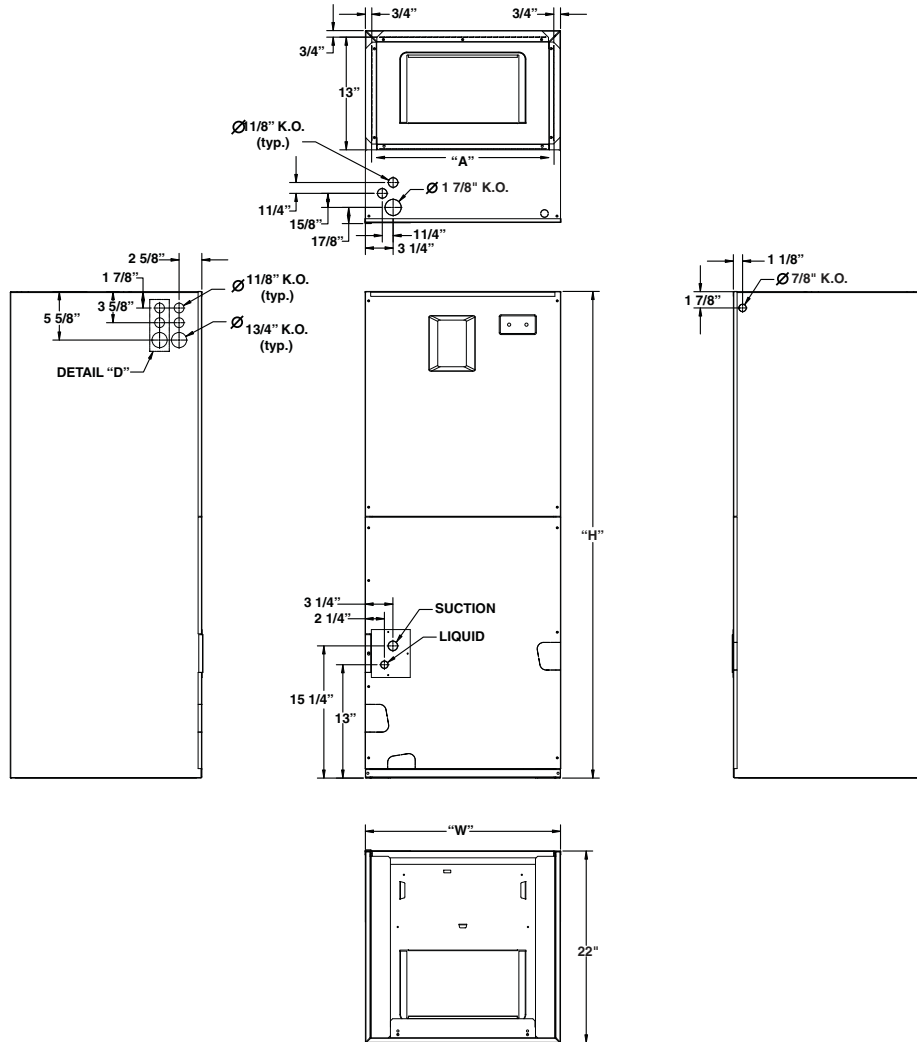
# ELECTRICAL DATA

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

# IDENTIFICATION CODE



# DIMENSIONS



Model Number B5-	*24K-A	*30K-A	*24K-B	*30K-B	*36K-B	*42K-B	*48K-B	*48K-C	*60K-C
Nominal cooling capacity - BTUh <sup>1</sup>	24000	30000	24000	30000	36000	42000	48000	48000	60000
Orifice size (if supplied) <sup>2</sup>	0.050	0.069	0.050	0.069	0.078	0.083	-	0.090	0.101
Maximum Available Auxiliary Heat	10	15	10	20	20	20	20	30	30
Nominal Blower Size (Dia. x Width)	10 x 6	10 x 6	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	10 x 10	11 x 10
Motor Hp-speeds-type	1/5-3-PSC	1/3-3-PSC	1/5-3-PSC	1/3-3-PSC	1/3-3-PSC	1/3-3-PSC	1/3-3-PSC	1/2-3-PSC	3/4-5-BDC
Filter Size (supplied internal filter rack) <sup>3</sup>	12x20x1	12x20x1	18x20x1	18x20x1	18x20x1	18x20x1	18x20x1	20x20x1	20x20x1
Approximate Shipping Weight, lbs	87	90	107	110	110	130	130	150	155
Height, "H", in.	43-3/8	43-3/8	43-3/8	43-3/8	43-3/8	49-3/8	49-5/16	56	56
Width, "W", in.	14-1/4	14-1/4	19-3/4	19-3/4	19-3/4	19-3/4	19-11/16	22-1/2	22-1/2
Supply Air Outlet Dimension, in.	12-7/8 x 12-3/4	12-7/8 x 12-3/4	12-7/8 x 18-1/4	12-7/8 x 18-1/4	12-7/8 x 18-1/4	12-7/8 x 18-1/4	12-7/8 x 18-1/4	12-7/8 x 21	12-7/8 x 21
Ref. Connection Sizes, in. (suc./liq.)	3/4 - 3/8	3/4 - 3/8	3/4 - 3/8	3/4 - 3/8	3/4 - 3/8	7/8 - 3/8	7/8 - 3/8	7/8 - 3/8	7/8 - 3/8

<sup>1</sup> See current AHRI Directory for certified combinations and ratings.

<sup>2</sup> When supplied, orifice is sized for most common R-22 13 SEER HP match. See outdoor unit documentation for orifice size.

<sup>3</sup> Filter is not supplied with unit.



**MAYTAG**

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.

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