

TECHNICAL SPECIFICATIONS

B65(B,E)MMX Series

Air Handler Residential System 17,800 - 46,500 Btuh (Heat Pump & Air Conditioner)

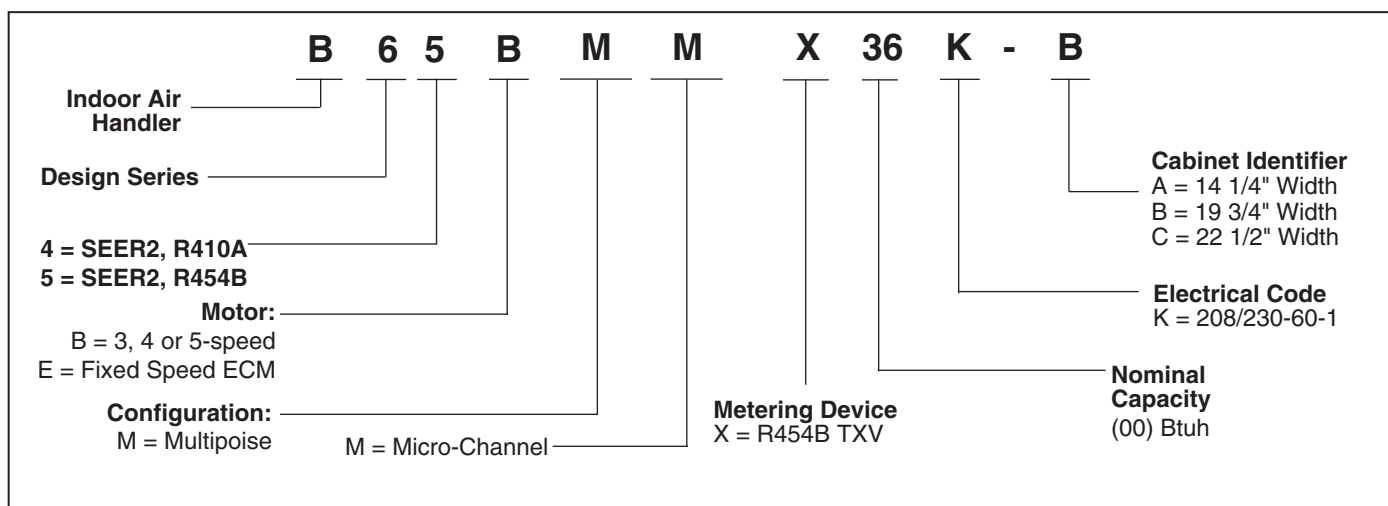
The B65(B,E)MMX series of air handlers, when combined with our heat pump or air conditioner, offer a full line of quality, split system heating and cooling equipment.



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 - 25kw
- **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.
- **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.
- **Designed to meet the requirements 610.2.A.2:** Meets Florida building code requirements for air leakage.
- **Aluminum Evaporator Coil:** All aluminum design to prevent leaks caused by corrosion formicary.

MODEL IDENTIFICATION CODE



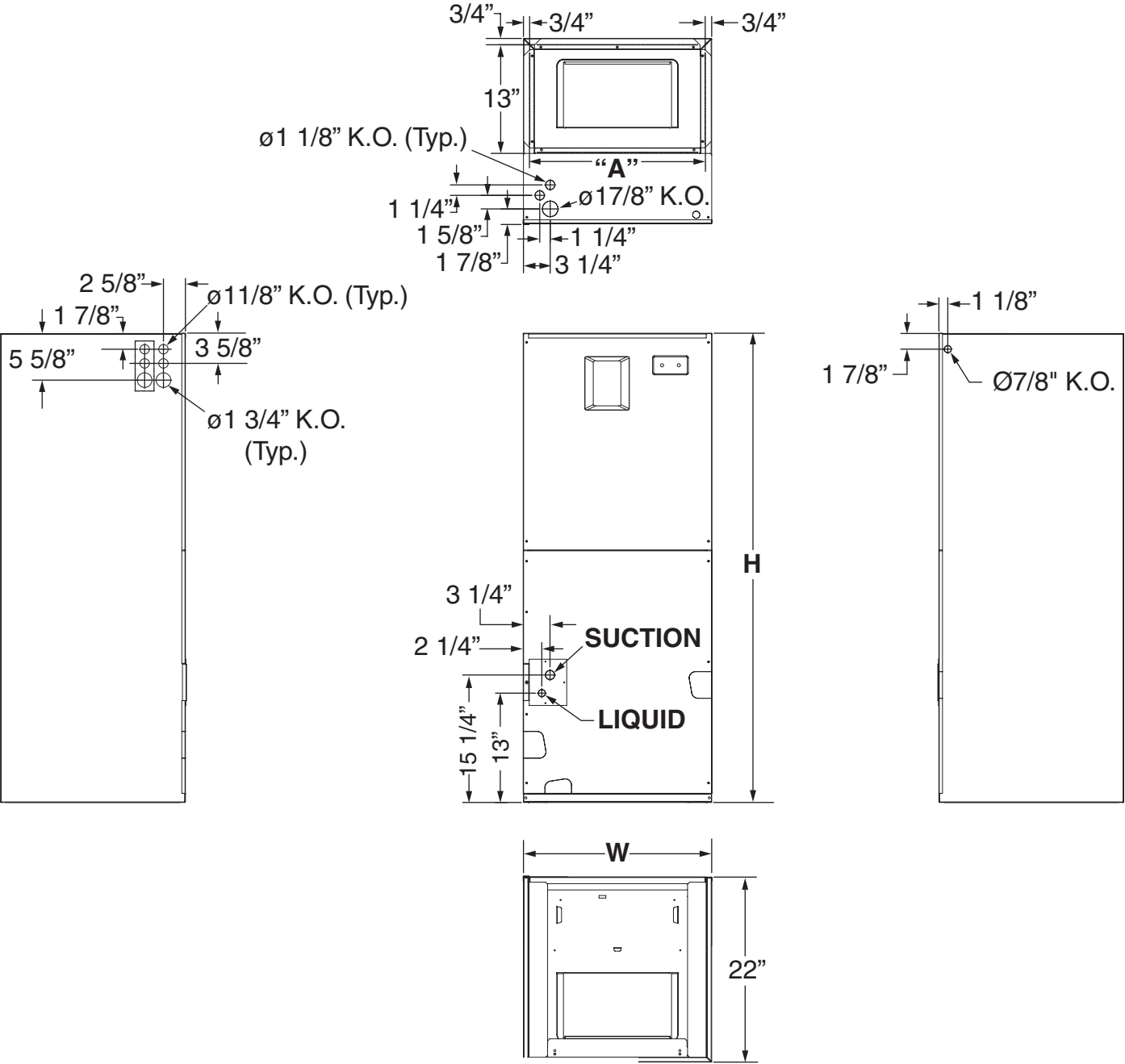
SPECIFICATIONS / DIMENSIONS

Model Number	B65BMMX-						B65EMMX-
	*18K-A	*24K-A	*24K-B	*30K-B	*36K-B	*42K-C	*48K-C
Nominal cooling capacity - BTUh ¹	18000	24000	24000	30000	36000	42000	48000
Maximum Available Auxiliary Heat	10	10	15	15	15	20	24
Motor Hp-speeds	1/5	1/2	1/2	1/3	1/3	1/2	3/4
Filter Size (supplied internal filter rack) ²	12 x 20 x 1	12 x 20 x 1	18 x 20 x 1	18 x 20 x 1	18 x 20 x 1	20 x 20 x 1	20 x 20 x 1
Approximate Shipping Weight, lbs	98	98	110	110	133	145.5	145.5
Height, "H", in.	43-5/16	43-5/16	43-5/16	43-5/16	49-5/16	55-15/16	55-15/16
Width, "W", in.	14-3/16	14-3/16	19-11/16	19-11/16	19-11/16	22-7/16	22-7/16
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 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
Box Dim	27 x 17.5 x 46	27 x 17.5 x 46	27 x 22.5 x 46	27 x 22.5 x 46	27 x 22.5 x 52	27 x 25 x 58.5	27 x 25 x 58.5

¹ See current AHRI Directory for certified combinations and ratings.

² Filter is not supplied with unit.

DIMENSIONS



ELECTRICAL DATA

			Voltage: 208V								Voltage: 230V							
			Minimum Circuit Ampacity (MCA)				Max Over-current Rating (MOP)				Minimum Circuit Ampacity (MCA)				Max Over-current Rating (MOP)			
Cabinet	Capacity (x1000 BTU's)	Model Number H8HK***K-**D	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
A	18	None	1.6	-	-	1.6	15	-	-	15	1.6	-	-	1.6	15	-	-	15
		005K-XX	23.3	-	-	23.3	25	-	-	25	25.6	-	-	25.6	30	-	-	30
		008K-XX	35.9	-	-	35.9	40	-	-	40	39.6	-	-	39.6	40	-	-	40
		010K-XX	44.9	-	-	44.9	45	-	-	45	49.5	-	-	49.5	50	-	-	50
A	24	None	3.1	-	-	3.1	15	-	-	15	3.1	-	-	3.1	15	-	-	15
		005K-XX	24.8	-	-	24.8	25	-	-	25	27.1	-	-	27.1	30	-	-	30
		008K-XX	37.4	-	-	37.4	40	-	-	40	41.1	-	-	41.1	45	-	-	45
		010K-XX	46.4	-	-	46.4	50	-	-	50	51	-	-	51	60	-	-	60
B	24	None	3.1	-	-	3.1	15	-	-	15	3.1	-	-	3.1	15	-	-	15
		005K-XX	24.8	-	-	24.8	25	-	-	25	27.1	-	-	27.1	30	-	-	30
		008K-XX	37.4	-	-	37.4	40	-	-	40	41.1	-	-	41.1	45	-	-	45
		010K-XX	46.4	-	-	46.4	50	-	-	50	51	-	-	51	60	-	-	60
		015K-XX	43.3	24.8	-	68	45	25	-	70	47.9	27.1	-	75	50	30	-	80
B	30	None	2.6	-	-	2.6	15	-	-	15	2.6	-	-	2.6	15	-	-	15
		005K-XX	24.3	-	-	24.3	25	-	-	25	26.6	-	-	26.6	30	-	-	30
		008K-XX	36.9	-	-	36.9	40	-	-	40	40.6	-	-	40.6	45	-	-	45
		010K-XX	45.9	-	-	45.9	50	-	-	50	50.5	-	-	50.5	60	-	-	60
		015K-XX	43.3	24.3	-	67.5	45	25	-	70	47.9	26.6	-	74.5	50	30	-	80
B	36	None	3.1	-	-	3.1	15	-	-	15	3.1	-	-	3.1	15	-	-	15
		005K-XX	24.8	-	-	24.8	25	-	-	25	27.1	-	-	27.1	30	-	-	30
		008K-XX	37.4	-	-	37.4	40	-	-	40	41.1	-	-	41.1	45	-	-	45
		010K-XX	46.4	-	-	46.4	50	-	-	50	51	-	-	51	60	-	-	60
		015K-XX	43.3	24.8	-	68	45	25	-	70	47.9	27.1	-	75	50	30	-	80
C	42	None	5.4	-	-	5.4	15	-	-	15	5.4	-	-	5.4	15	-	-	15
		005K-XX	27	-	-	27	30	-	-	30	29.3	-	-	29.3	30	-	-	30
		008K-XX	39.6	-	-	39.6	40	-	-	40	43.3	-	-	43.3	45	-	-	45
		010K-XX	48.6	-	-	48.6	50	-	-	50	53.3	-	-	53.3	60	-	-	60
		015K-XX	43.3	27	-	70.3	45	30	-	80	47.9	29.3	-	77.3	50	30	-	80
		020K-XX	43.3	48.6	-	91.9	45	50	-	100	47.9	53.3	-	101.2	50	60	-	110
C	48	None	6.8	-	-	6.8	15	-	-	15	6.8	-	-	6.8	15	-	-	15
		005K-XX	28.4	-	-	28.4	30	-	-	30	30.7	-	-	30.7	35	-	-	35
		008K-XX	41.0	-	-	41.0	45	-	-	45	44.7	-	-	44.7	45	-	-	45
		010K-XX	50.0	-	-	50.0	50	-	-	50	54.7	-	-	54.7	60	-	-	60
		015K-XX	43.3	28.4	-	71.7	45	30	-	80	47.9	30.7	-	78.6	50	35	-	80
		020K-XX	43.3	50.0	-	93.3	45	50	-	100	47.9	54.7	-	102.6	50	60	-	110
		024K-XX	43.3	43.3	28.4	114.9	45	45	30	125	47.9	47.9	30.7	126.5	50	50	35	150

BLOWER PERFORMANCE DATA

DRY COIL ESP		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
*18K A-CABINET	Low	740	694	642	584	520	451	375	294
	Medium	913	873	825	768	702	628	545	453
	High	1064	1007	946	879	808	732	651	566
*24K A-CABINET	Low	907	879	844	802	755	700	639	572
	Medium	1286	1222	1156	1090	1022	953	882	811
	High	1362	1293	1224	1153	1082	1010	938	864
*24K B-CABINET	Low	865	855	839	818	790	756	717	671
	Medium	1525	1498	1462	1417	1362	1298	1224	1141
	High	1846	1779	1709	1635	1557	1474	1388	1298
*30K B-CABINET	Low	980	929	872	809	739	661	578	488
	Medium	1278	1224	1162	1093	1016	930	837	737
	High	1415	1351	1282	1207	1126	1040	948	851
*36K B-CABINET	Low	1270	1244	1210	1171	1125	1072	1013	948
	Medium	1448	1406	1360	1309	1253	1193	1129	1059
	High	1628	1571	1510	1445	1376	1303	1226	1146
*42K C-CABINET	Low	1774	1731	1675	1607	1527	1434	1330	1213
	Medium	1950	1882	1807	1723	1631	1531	1423	1306
	High	2052	1976	1893	1803	1706	1603	1492	1374

NOTES:

- 1 Airflow is shown in SCFM, +/- 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.

B65BM Airflow Data With Horizontal Drain Pan

DRY COIL ESP		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
*18K A-CABINET	Low	760	722	676	622	561	492	414	330
	Medium	975	936	888	833	770	698	619	531
	High	1152	1100	1042	979	911	837	757	672
*24K A-CABINET	Low	876	858	835	806	771	730	683	630
	Medium	1470	1412	1351	1286	1218	1146	1071	993
	High	1610	1538	1463	1385	1304	1220	1134	1044
*24K B-CABINET	Low	817	816	808	794	774	748	716	678
	Medium	1478	1470	1453	1425	1387	1338	1280	1211
	High	1899	1853	1801	1740	1672	1597	1514	1423
*30K B-CABINET	Low	984	932	875	812	744	671	592	508
	Medium	1309	1254	1191	1123	1047	966	877	782
	High	1465	1407	1343	1271	1192	1105	1011	910
*36K B-CABINET	Low	1224	1202	1174	1141	1103	1060	1012	959
	Medium	1402	1379	1350	1315	1273	1224	1169	1107
	High	1599	1563	1521	1474	1420	1360	1294	1222
*42K C-CABINET	Low	1722	1703	1671	1627	1571	1502	1421	1327
	Medium	2043	1982	1913	1837	1753	1662	1564	1458
	High	2239	2158	2070	1975	1874	1766	1652	1531

NOTES:

- 1 Airflow is shown in SCFM, +/- 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.

B65BM Airflow Data Without Horizontal Drain Pan

BLOWER PERFORMANCE DATA (CONT'D)

	SWITCH SETTING 0 = OFF, 1 = ON				COOLING OR HEATING AIRFLOW (CFM)							
					Dry Coil ESP							
	1/5	2/6	3/7	4/8	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
*48K C- CABINET	0	0	0	0	710	580	395					
	1	0	0	0	830	690	675	530	505			
	0	1	0	0	930	875	710	665	560	530		
	1	1	0	0	1065	1015	900	840	800	705	665	635
	0	0	1	0	1185	1115	1010	960	925	875	830	745
	1	0	1	0	1275	1220	1175	1120	1060	970	930	890
	0	1	1	0	1365	1350	1255	1200	1150	1105	1060	1025
	1	1	1	0	1480	1430	1370	1325	1265	1225	1185	1140
	0	0	0	1	1560	1535	1485	1430	1375	1335	1285	1240
	1	0	0	1	1650	1600	1545	1500	1450	1405	1360	1305
	0	1	0	1	1730	1685	1660	1610	1570	1520	1470	1420
	1	1	0	1	1785	1740	1695	1645	1615	1545	1510	1470
	0	0	1	1	1865	1820	1785	1750	1695	1655	1605	1560
	1	0	1	1	1920	1890	1850	1805	1765	1715	1675	1640
	0	1	1	1	2010	1965	1960	1900	1850	1810	1775	1730
	1	1	1	1	2065	2020	1985	1955	1915	1880	1840	1810

NOTES:

- 1 Airflow is shown in SCFM, +/- 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

B65EM Airflow Data

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	913874
Single circuit adaptor for 3 circuit breakers	n/a	n/a	X	913556
Drain pan extension baffle (Downflow)	X			1049100

230V Single-Phase Heater Kit Application

Nominal KW	Matched Units							Order Number	
	*18K-A	*24K-A	*24K-B	*30K-B	*36K-B	*42K-C	*48K-C	With Circuit Breakers	Without Circuit Breakers
5	X	X	X	X	X	X	X	922521D	922520D
8	X	X	X	X	X	X	X	922523D	922522D
10	X	X	X	X	X	X	X	922526D	922525D
15	n/a	n/a	X	X	X	X	X	922527D	n/a
20	n/a	n/a	n/a	n/a	n/a	X	X	922529D	n/a
24	n/a	n/a	n/a	n/a	n/a	n/a	X	922530D	n/a

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GENERAL TERMS OF LIMITED WARRANTY

Nordyne, LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nordyne, LLC warranty department for a copy.

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. Printed in U.S.A. (03/25)