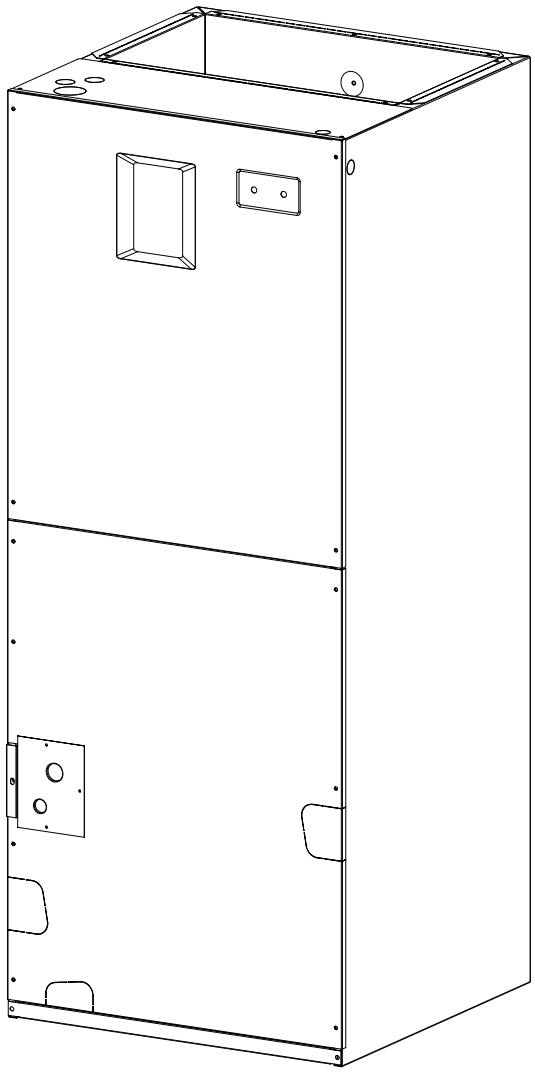
TECHNICAL SPECIFICATIONS

GB5B(M,V) Series Air Handler

13 SEER Residential System

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

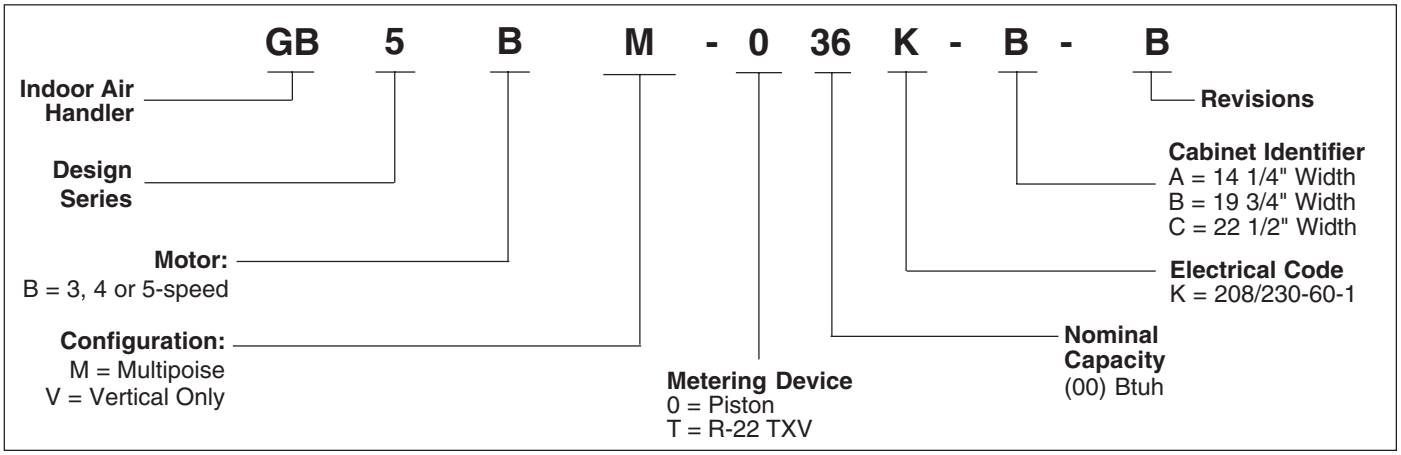
The GB5B(M,V) Series of air handlers, when combined with our heat pump or air conditioner, offer a full line of quality, split system heating and cooling equipment.



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.
- **Warranty —** Five year limited all parts warranty, a major benefit to the consumer.

MODEL IDENTIFICATION CODE



ELECTRICAL DATA

			Standard Air Handler								Variable Speed Air Handler							
			Min. Circuit Ampacity				Max. Over-Current Protection				Min. Circuit Ampacity				Max. Over-Current Protection			
Model Number H6HK-	Voltage	KW	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

ACCESSORIES

Accessory Kit Despription	Cabinet Size A	B	C	Order Number
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		919323
		X [1]		919324
			X	919324
Variable Speed Blower Conversion Kit	X			919325
		X		919326
			X	919327

[1] Required for 042 models

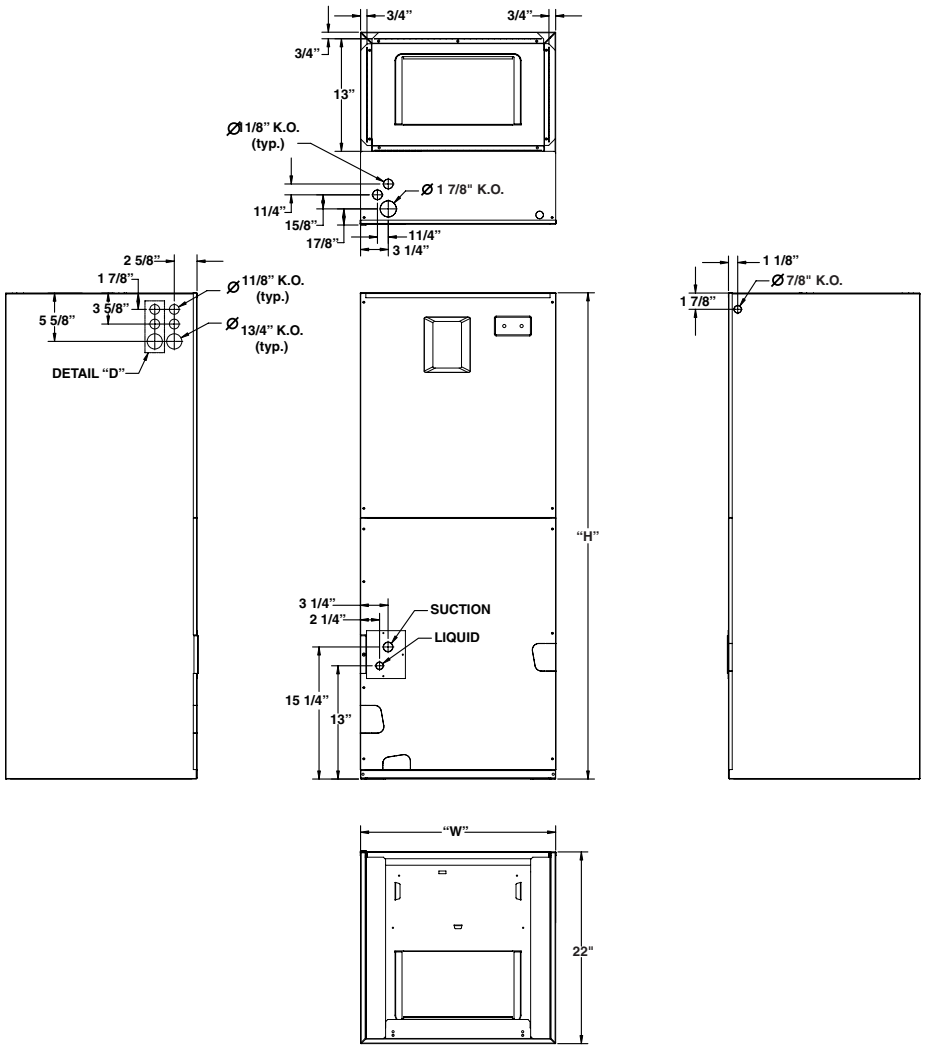
240V Single-Phase Heater Kit Application

Nominal KW	Matched Units: 024/025K - A	030K-A	024/025K - B	030K-B	036K-B	042K-B	048K-C	060K-C	Order Number: 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: 024/025K - A	030K-A	024/025K - B	030K-B	036K-B	042K-B	048K-C	060K-C	Order Number: 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

DIMENSIONS



SPECIFICATIONS

Model Number B5B(M,V)-	*24K-A	*25K-A	*30K-A	*24K-B	*25K-B	*30K-B	*36K-B	*42K-B	*48K-C	*49K-C	*60K-C
Nominal cooling capacity - BTUh [1]	24000	24000	30000	24000	24000	30000	36000	42000	48000	48000	60000
Orifice size (if supplied) [2]	0.050	0.061	0.069	0.050	0.061	0.069	0.078	0.083	0.090	0.090	0.101
Maximum Available Auxilary Heat	10	10	15	10	10	20	20	20	30	30	30
Nominal Blower Size (Dia. x Width)	10 x 6	10 x 6	10 x 6	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	11 x 10	11 x 10	11 x 10
Motor Hp-speeds-type	1/5-3-PSC	1/5-3-PSC	1/3-3-PSC	1/5-3-PSC	1/5-3-PSC	1/3-3-PSC	1/3-3-PSC	1/3-3-PSC	3/4-5-BDC	3/4-5-BDC	3/4-5-BDC
Filter Size (supplied internal filter rack) [3]	12x20x1	12x20x1	12x20x1	18x20x1	18x20x1	18x20x1	18x20x1	18x20x1	20x20x1	20x20x1	20x20x1
Approximate Shipping Weight, lbs	87	87	90	107	107	110	110	130	150	150	155
Height, "H", in.	43-1/2	43-1/2	43-1/2	43-1/2	43-1/2	43-1/2	43-1/2	49-1/2	56	56	56
Width, "W", in.	14-1/4	14-1/4	14-1/4	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4	22-1/2	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 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	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	3/4 - 3/8	3/4 - 3/8	7/8 - 3/8	7/8 - 3/8	7/8 - 3/8	7/8 - 3/8

[1] See current ARI Directory for certified combinations and ratings.

[2] When supplied, orifice is sized for most common R-22 13 SEER HP match. See outdoor unit documentation for orifice size.

[3] Filter is not supplied with unit.

BLOWER PERFORMANCE DATA

	Dry Coil ESP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
***24/*25K, A-Cabinet**	Low	683	647	607	563	515	463	406	345
	*Corrected ESP**		*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**			*0.11*	*0.23*	*0.36*	*0.48*	*0.60*	*0.72*
	High	1072	1026	975	920	860	797	730	659
	*Corrected ESP**				*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**
***30K, A-Cabinet**	Low	849	825	793	753	704	647	581	508
	*Corrected ESP**		*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**			*0.04*	*0.17*	*0.29*	*0.42*	*0.55*	*0.68*
	High	1277	1233	1184	1130	1070	1005	935	860
	*Corrected ESP**				*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**
***24/*25K, B-Cabinet**	Low	708	690	664	628	584	532	471	401
	*Corrected ESP**		*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**			*0.10*	*0.22*	*0.33*	*0.46*	*0.58*	*0.71*
	High	1118	1132	1126	1101	1056	992	908	805
	*Corrected ESP**				*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**
***30/*36K, B-Cabinet**	Low	953	915	871	821	764	701	631	555
	*Corrected ESP**		*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**			*0.03*	*0.15*	*0.28*	*0.41*	*0.54*	*0.68*
	High	1427	1385	1333	1270	1196	1113	1018	913
	*Corrected ESP**				*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**
***42K, B-Cabinet**	Low	1324	1302	1271	1233	1187	1134	1072	1003
	*Corrected ESP**		*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**			*0.13*	*0.24*	*0.36*	*0.47*	*0.58*	*0.70*
	High	1637	1601	1558	1506	1447	1380	1305	1223
	*Corrected ESP**				*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**
***48/*49/ *60K, C-Cabinet**	Low	1348	1272	1198	1126	1056	988	922	858
	*Corrected ESP**		*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**			*0.19*	*0.30*	*0.41*	*0.52*	*0.63*	*0.74*
	Medium	1799	1752	1702	1650	1596	1539	1481	1420
	*Corrected ESP**				*0.25*	*0.36*	*0.47*	*0.58*	*0.69*
	Med-High	1956	1910	1862	1811	1756	1699	1639	1575
	*Corrected ESP**				*0.22*	*0.33*	*0.44*	*0.55*	*0.66*
	High	2146	2099	2050	2000	1948	1894	1839	1783
	*Corrected ESP**					*0.29*	*0.40*	*0.51*	*0.62*

* ESP estimate with wet coil and filter

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.

MADE IN THE U.S.A.

C ETL LISTED US

We Encourage Professionalism

NATE

Through Technician Certification by NATE

CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

ARI STANDARD 210

ARI STANDARD 240

170C-0106