

TECHNICAL SPECIFICATIONS

B4VM Series

iQDrive®

24.5 SEER Residential System

Indoor Sections

Variable Speed Air Handler

C6 Series

Residential Indoor Coils with EXV



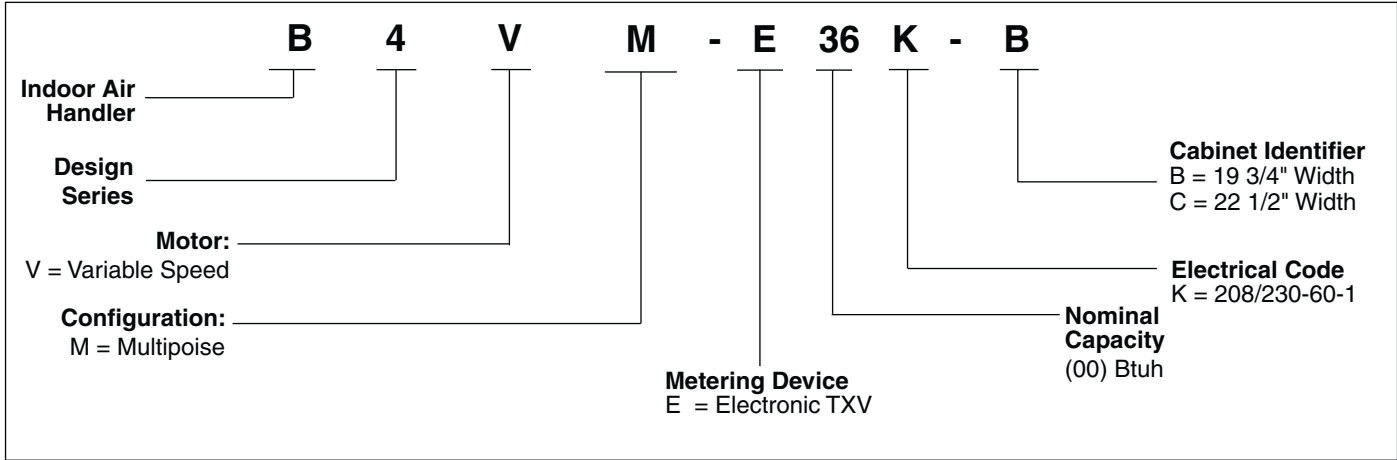
FEATURES and BENEFITS

- **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 efficiencies up to 24.5 SEER. Heat pump efficiencies up to 22 SEER.
- **ECM Variable Speed Motor:** Advanced technology allows for automatic selection of cooling airflows and heating airflows to match any application.
- **Quiet Blower Operation:** Extra quiet and smooth blower on and off cycles.
- **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
- **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.
- **Designed to meet the requirements 610.2.A.2:** Meets Florida building code requirements for air leakage.

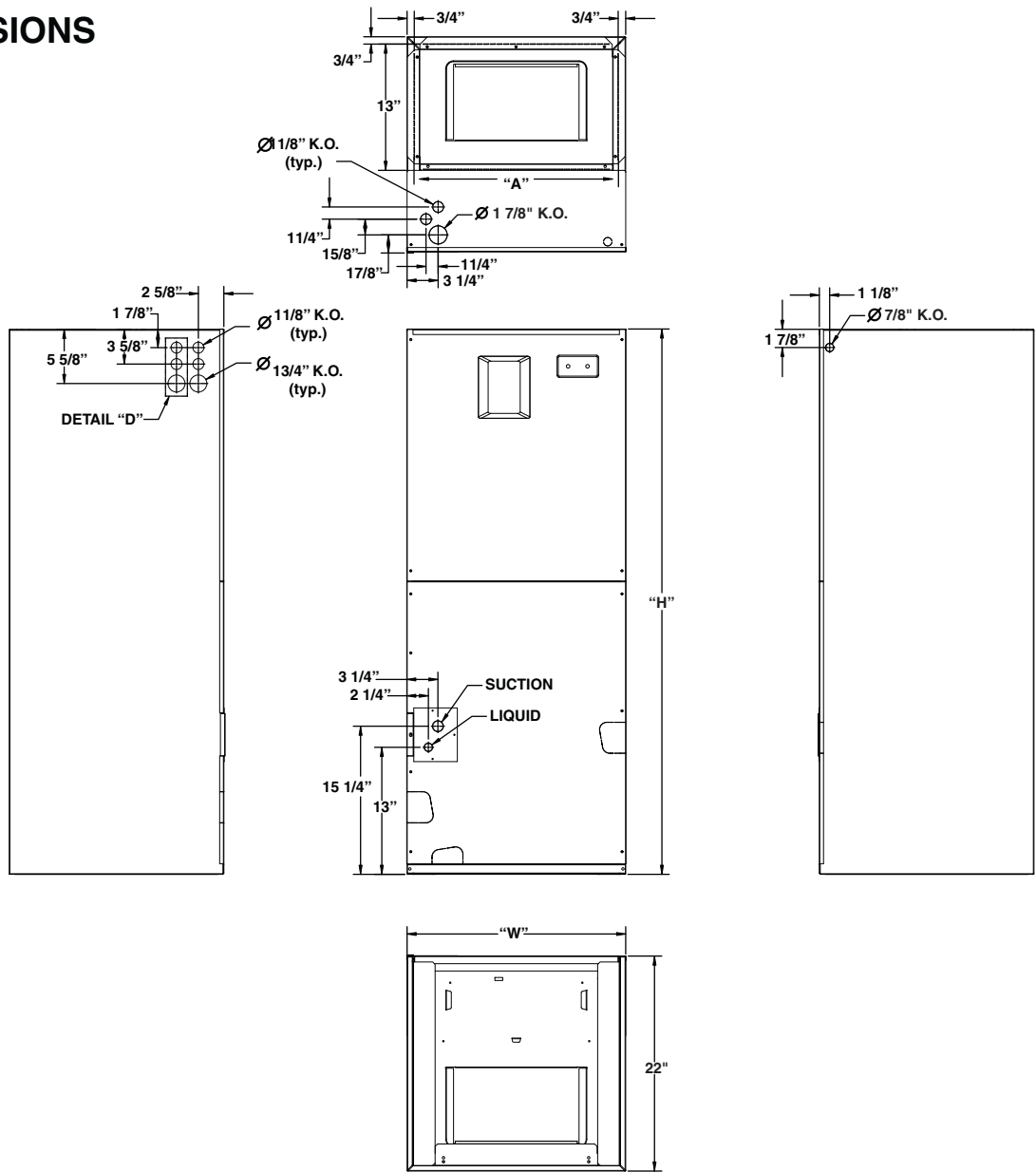
WARRANTY

- This product carries a 5-year all parts warranty. When installed with a matched outdoor unit, the air handler will carry the outdoor system warranty. See current warranty document or visit our consumer web site for warranty details.

MODEL IDENTIFICATION CODE



DIMENSIONS



ELECTRICAL DATA

Model Number H6HK- Voltage KW			Variable Speed Air Handler							
			Min. Circuit Ampacity				Max. Over-Current Protection			
			Circuit A	Circuit B	Circuit C	Single Circuit	Circuit A	Circuit B	Circuit C	Single Circuit
005H-XX	240	4.8	-	-	-	32.3	-	-	-	40
008H-XX	240	7.5	-	-	-	46.3	-	-	-	50
010H-XX	240	9.6	-	-	-	57.3	-	-	-	60
015H-XX	240	14.4	57.3	25.0	-	82.3	60	30	-	90
020H-XX	240	19.2	57.3	50.0	-	107.3	60	60	-	125
025H-XX	240	24.0	57.3	50.0	25.0	132.3	60	60	30	150
030H-XX	240	28.8	57.3	50.0	50.0	157.3	60	60	60	175
005H-XX	208	3.6	-	-	-	28.9	-	-	-	30
008H-XX	208	5.6	-	-	-	40.9	-	-	-	50
010H-XX	208	7.2	-	-	-	50.5	-	-	-	60
015H-XX	208	10.8	50.5	21.6	-	72.2	60	25	-	80
020H-XX	208	14.4	50.5	43.3	-	93.8	60	50	-	100
025H-XX	208	18.0	50.5	43.3	21.6	115.4	60	50	25	125
030H-XX	208	21.6	50.5	43.3	43.3	137.1	60	50	50	150

SPECIFICATIONS

Model Number B4VM-	*E24K-B	*E36K-B	*E48K-C
Nominal cooling capacity - BTUh ¹	24,000	36,000	48,000
Metering Device	EXV	EXV	EXV
Maximum Available Auxiliary Heat	20	20	30
Nominal Blower Size (Dia. x Width)	11 x 8	11 x 8	11 x 10
Motor Hp-speeds-type	1/2-VS	1/2-VS	3/4-VS
Filter Size (supplied internal filter rack) ²	18x20x1	18x20x1	20x20x1
Approximate Shipping Weight, lbs	111	114	154
Height, "H", in.	43-5/16	49-5/16	55-15/16
Width, "W", in.	19-11/16	19-11/16	22-7/16
Supply Air Outlet Dimension, in.	12-7/8 x 18-1/4	12-7/8 x 18-1/4	12-7/8 x 21
Ref. Connection Sizes, in. (suc./liq.)	3/4 - 3/8	7/8 - 3/8	7/8 - 3/8
Range SCFM	500-1110	500-1110	680-1800

¹ See current AHRI Directory for certified combinations and ratings. www.ahridirectory.org

² Filter is not supplied with unit.

ACCESSORIES

Accessory Kit Description	Cabinet Size		Order Number
	B	C	
Down-flow adaptor kit	X		919321
		X	919322
Single circuit adaptor for 2 circuit breakers	X	X	913874
Single circuit adaptor for 3 circuit breakers	n/a	X	913556
Horizontal conversion kit for vertical-only units	X*		903749
	X		919405
		X	914730

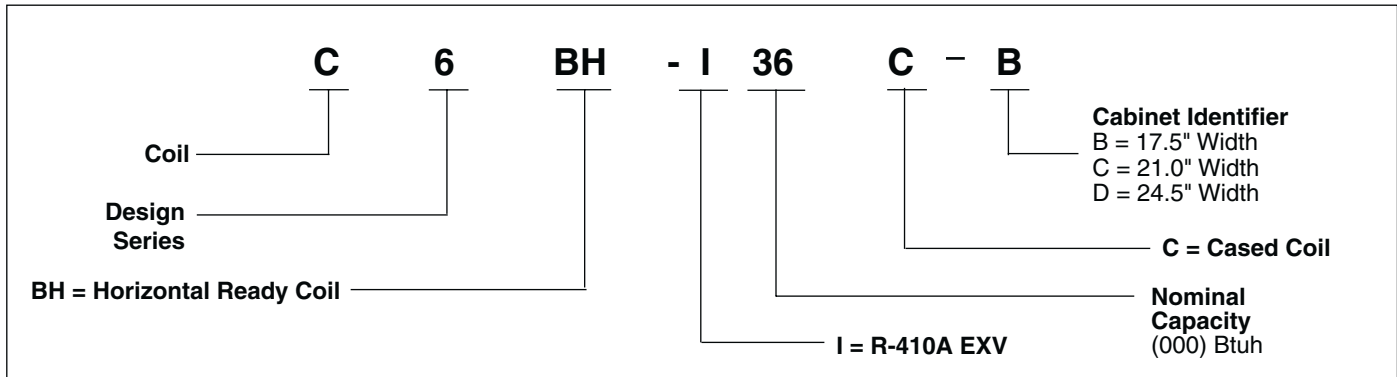
*Required for E24 model

240V Single-Phase Heater Kit Application

Nominal KW	Matched Units		Order Number	
	24K-B	36K-B	With Circuit Breakers	Without Circuit Breakers
5	X	X	904407	904406
8	X	X	904409	904408
10	X	X	904412	904411
15	X	X	904414	n/a
20	X	X	904416	n/a
25	n/a	X	904417	n/a
30	n/a	X	904418	n/a

C6 COIL

MODEL IDENTIFICATION CODE



COIL DATA TABLES

Model C6BH	I24-B	I36-B	I36-C	I48-C	I48-D
Face Area (ft ^2)	4.18	5.58	5.58	6.42	6.42
Rows	3	3	3	3	3
Fins per inch	14	14	14	14	14
Refrigerant Flow Control	EXV	EXV	EXV	EXV	EXV
Nominal Airflow (cfm)	800	1,200	1,200	1,500	1,600
Pressure drop at nominal airflow (in w.c.)	0.12	0.21	0.21	0.30	0.30
Connections:					
Liquid Line	3/8	3/8	3/8	3/8	3/8
Suction Line	3/4	3/4	7/8	7/8	7/8

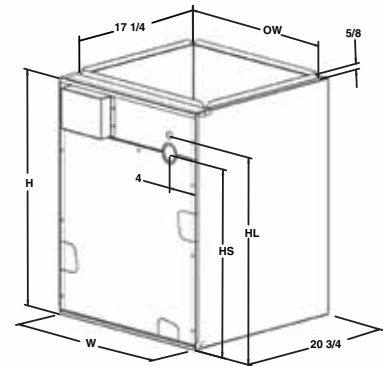


Figure 1. Cased Coil

Cased Coil Dimensions

Cabinet Identifier		Overall		Top Opening	Bottom Opening	Horizontal Drain Pan Extension
		W	H	A	B	C
B	I24	17 1/2	26	16 1/8	8 3/8	2 3/4
B	I36	17 1/2	26	16 1/8	8 3/8	2 3/4
C	I36	21	30	19 5/8	11 7/8	3 1/4
C	I48	21	26	19 5/8	11 7/8	2 3/4
D	I48	24 1/2	30	23 1/8	15 3/8	3 1/4

NOTE: Requires use of a 2-stage variable speed FG7 Furnace.

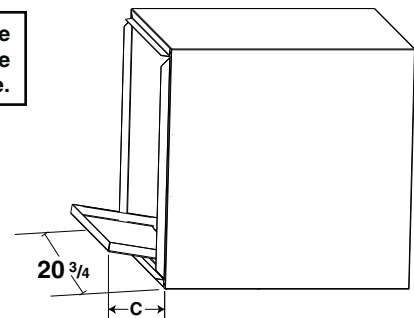


Figure 2. Horizontal Left Configuration with Drain Pan Extension



GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service within the first five years of installation, in accordance with the terms of the warranty.

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

NORDYNE

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335D-0210 (Replaces 335D-0609)