

## iQ Drive™

### 23 SEER Residential System

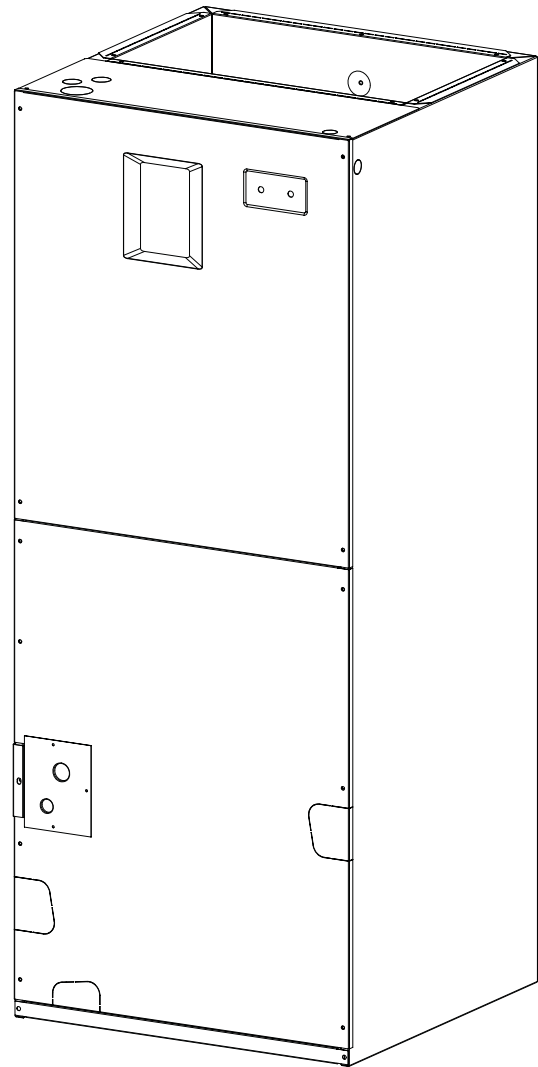
#### Indoor Sections

**B5VM Series**  
**Variable Speed Air Handler**

**C5 Series**  
**Residential Indoor Coils with EXV**

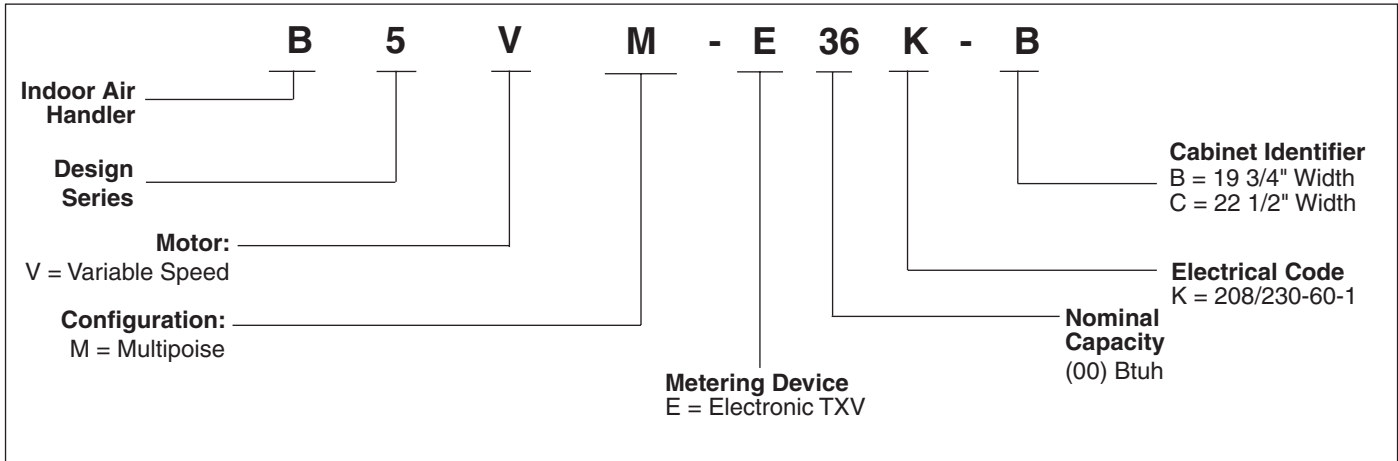
#### FEATURES and BENEFITS

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

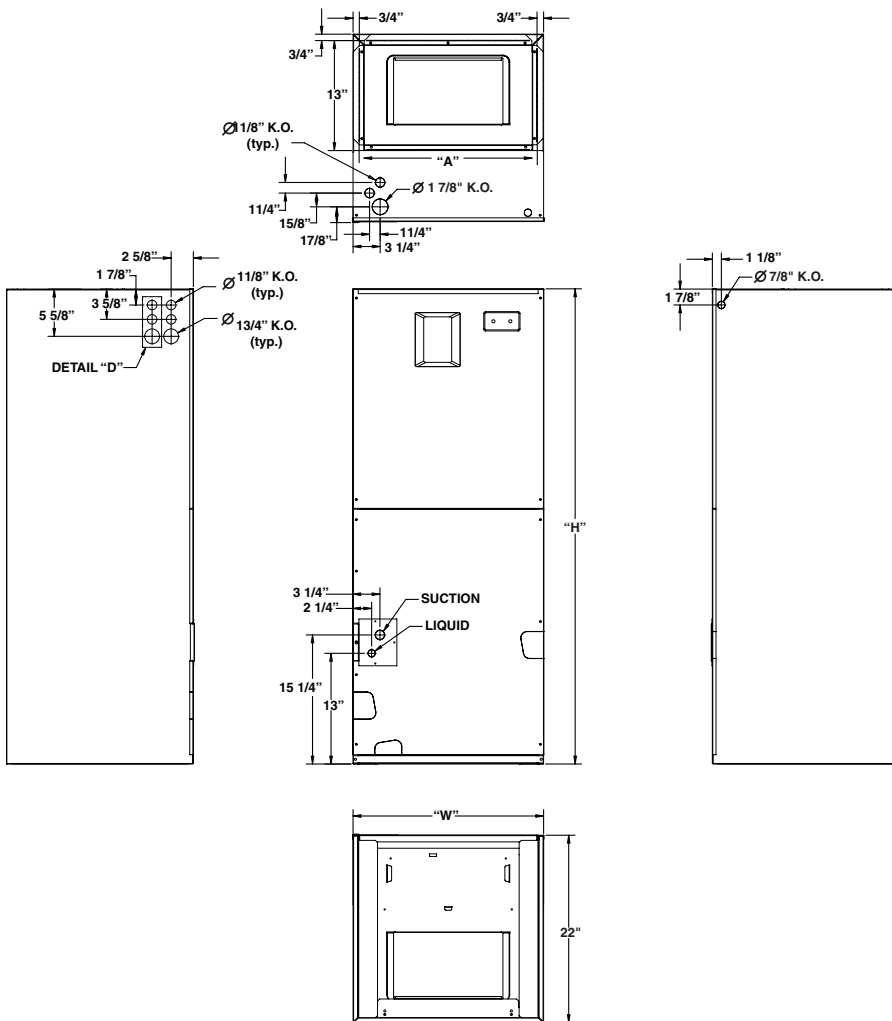


# B5 AIR HANDLER

## MODEL IDENTIFICATION CODE



## DIMENSIONS



## SPECIFICATIONS

| Model Number   | *E36K-B         | *E48K-C     |
|--|-----------------|-------------|
| Nominal cooling capacity - BTUh <sup>1</sup>             | 36000           | 48000       |
| Metering Device  | EXV             | EXV         |
| Maximum Available Auxiliary Heat                         | 20              | 30          |
| Nominal Blower Size (Dia. x Width)                       | 11 x 8          | 11 x 10     |
| Motor Hp-speeds-type                                     | 1/2-VS          | 3/4-VS      |
| Filter Size (supplied internal filter rack) <sup>2</sup> | 18x20x1         | 20x20x1     |
| Approximate Shipping Weight, lbs                         | 114             | 154         |
| Height, "H", in.   | 49-5/16         | 55-15/16    |
| Width, "W", in.  | 19-11/16        | 22-7/16     |
| Supply Air Outlet Dimension, in.                         | 12-7/8 x 18-1/4 | 12-7/8 x 21 |
| Ref. Connection Sizes, in. (suc./liq.)                   | 7/8 - 3/8       | 7/8 - 3/8   |
| Range SCFM   | 500-1110        | 680-1455    |

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

<sup>2</sup> Filter is not supplied with unit.

## ELECTRICAL DATA

|                    |         |      | 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 |  |
| Model Number H6HK- | Voltage | KW   |                            |           |           |                |                              |           |           |                |  |
| 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            |  |

## ACCESSORIES

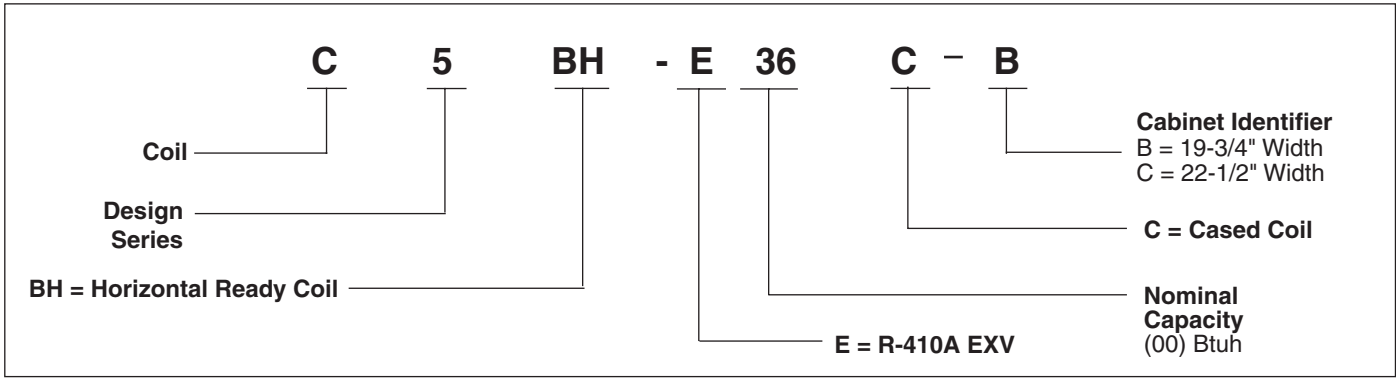
| Accessory Kit Description                         | Cabinet Size |   | Order Number |
|---|--------------|---|--------------|
|   | B            | C |              |
| Down-flow adaptor kit                             | X            |   | 919321       |
|   |              | X | 919322       |
| Single 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            |   | 919405       |
|   |              | X | 914730       |

### 240V Single-Phase Heater Kit Application

| Nominal KW | Matched Units |       | Order Number          |                          |
|------------|---------------|-------|-----------------------|--------------------------|
|            | 36K-B         | 48K-C | 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                      |

# C5 COIL

## MODEL IDENTIFICATION CODE



## COIL DATA TABLES

| Model C5BH                                 | E36-B           | E48-C  |
|--|-----------------|--------|
| Face Area (ft ^2)                          | 5.58            | 6.42   |
| Rows                                       | 3               | 3      |
| Fins per inch                              | 14              | 14     |
| Refrigerant Flow Control                   | EXV             | EXV    |
| Nominal Airflow (cfm)                      | 1200            | 1500   |
| Pressure drop at nominal airflow (in w.c.) | 0.21            | 0.30   |
| Connections:                               |                 |        |
| Inches                                     | Liquid Line 3/8 | 3/8    |
| Suction Line                               | 7/8             | 7/8    |
| Horizontal Kit                             | 919319          | 919320 |

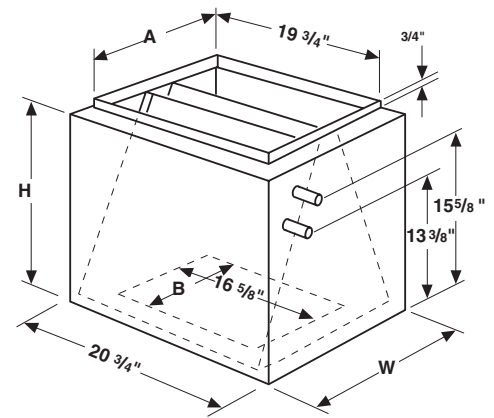


Figure 1. Cased Coil

### Cased Coil Dimensions

| Cabinet Identifier |            | Overall |    | Top Opening | Bottom Opening | Horizontal Drain Pan Extension |
|--------------------|------------|---------|----|-------------|----------------|--------------------------------|
|                    |            | W       | H  | A           | B              | C                              |
| <b>B</b>           | <b>E36</b> | 19 3/4  | 26 | 18 3/8      | 10 5/8         | 3 1/2                          |
| <b>C</b>           | <b>E48</b> | 22 1/2  | 29 | 21 1/8      | 13 5/8         | 4 1/2                          |

**NOTE:**  
 Requires IQ Drive Furnace Blower Conversion Kit.

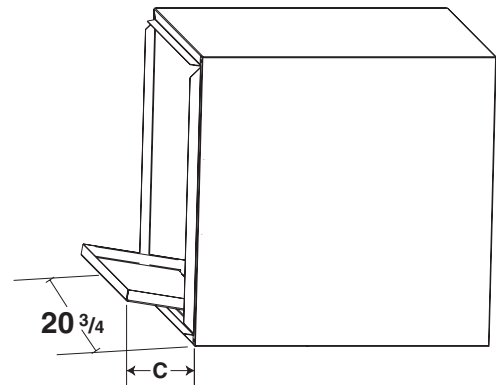


Figure 2. Horizontal Left Configuration with Drain Pan Extension



CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI



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