

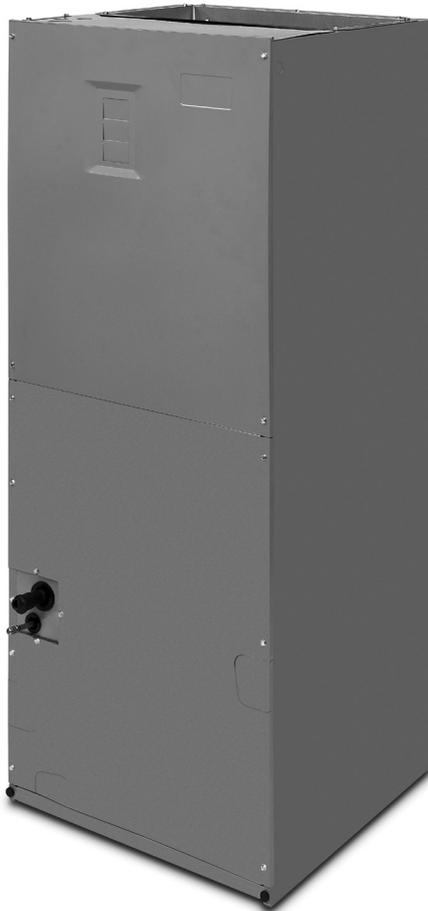
TECHNICAL SPECIFICATIONS

B65VMMX Series

**Air Handlers with TXV and
variable speed blowers for SEER2
Residential System**

**1.5 - 5 tons
(Heat Pump & Air Conditioner)**

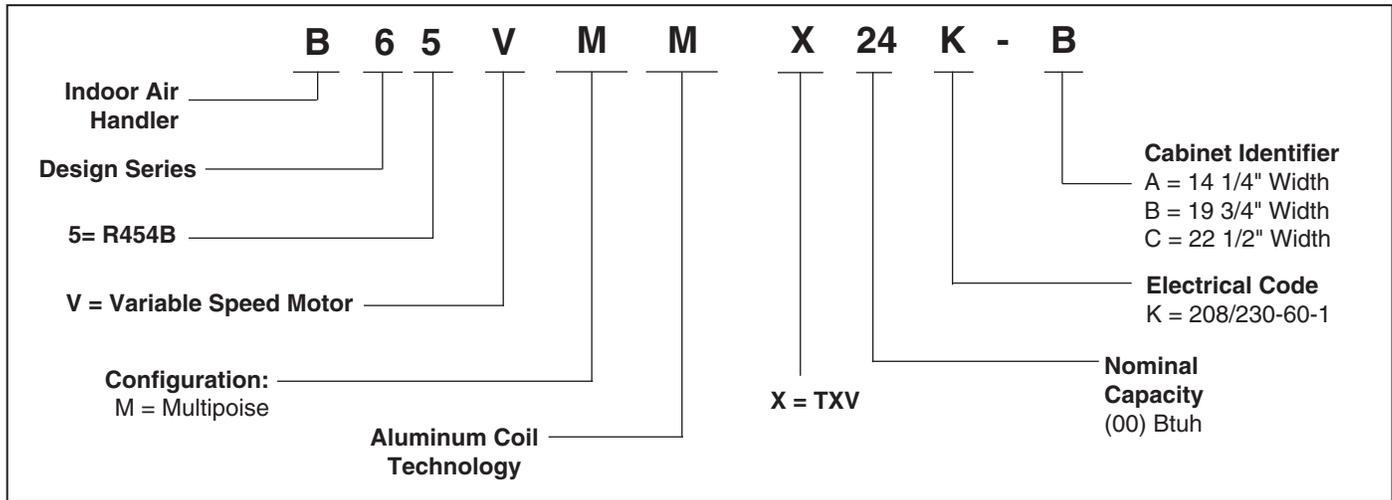
The B65VMMX Series of air handlers, when combined with our heat pump or air conditioner, offers a full line of quality, split system heating and cooling equipment.



FEATURES and BENEFITS

- **Energy Efficient Variable Speed ECM Motor:** Advanced technology provides 16 field-selectable cooling airflows and automatically sets heating airflows based on the amount of installed heat.
- **Quiet Blower Operation:** Extra quiet and smooth blower on and off cycles.
- **Constant airflow:** Motor automatically adjusts to different static loads.
- **Reduced air stratification:** This results in improved air quality by optimizing humidity removal and filtration capabilities.
- **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 Kit:** Available in 5 kw through 24 kw.
- **Circuit Board:** Incorporating blower time delay relay, low voltage terminal strip, and heat-strip sequencing.
- **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.
- **Designed to meet the requirements 610.2.A.2:** Meets Florida building code requirements for air leakage.
- **Thermal Expansion Valve:** Factory installed externally equalized thermal expansion valve provides precise refrigerant control under varying load conditions.
- **Cabinet Insulation:** 1" insulation with an R-value of 4.2 contributes to quiet operation and prevents cabinet sweating in difficult applications.
- **Aluminum Coil Technology:** All aluminum coil provides high corrosion resistance.

MODEL IDENTIFICATION CODE



SPECIFICATIONS

| Model B65VMMX | 24K-B | 3648K-C | 60K-C |
|---|-------|---------|-------|
| Refrigerant Flow Control | TXV | TXV | TXV |
| Maximum Available Nominal Auxiliary Heat (kw) | 15 | 25 | 25 |
| Motor HP | 1/2 | 3/4 | 1 |
| Approximate Shipping Weight (lbs.) | 121 | 145 | 147 |

ACCESSORIES

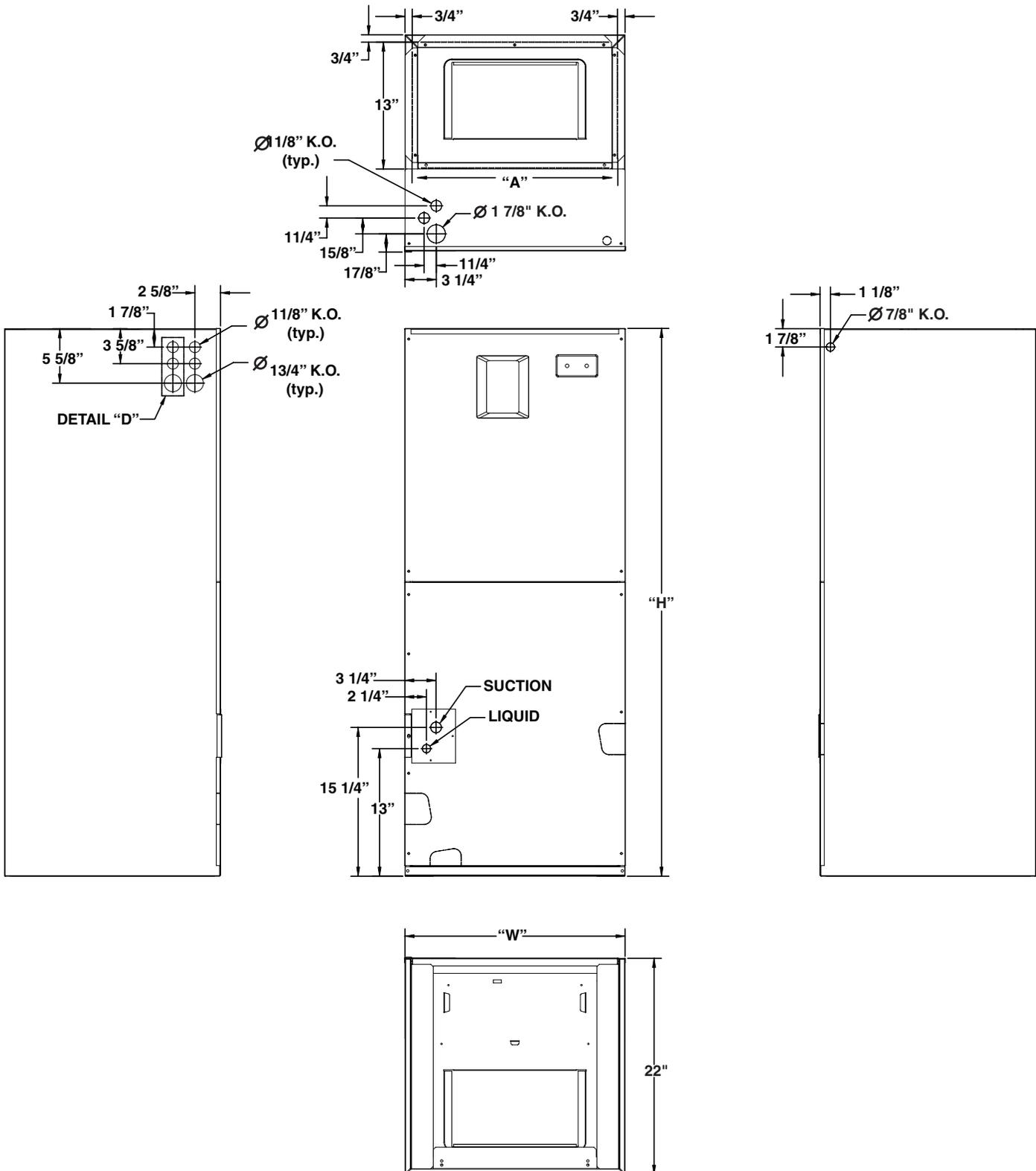
| Accessory Kit Description | Cabinet Size | | Order Number |
|---|--------------|---|--------------|
| | B | C | |
| Down-flow adaptor kit | X | | 919321 |
| | | X | 919322 |
| Single circuit adaptor for 2 circuit breakers | X | X | 913874 |
| Baffle Drip Guard 3" | X | | 922125 |
| Baffle Drip Guard 4" | | X | 922126 |

230V Single-Phase Heater Kit Application

| Nominal KW | | | | Order Number | |
|------------|--------|-----------|--------|--------------------------|-----------------------------|
| | *24K-B | *36/48K-B | *60K-C | With Circuit Breakers | Without Circuit Breakers |
| 5 | X | X | X | 922521D | 922520D |
| 8 | X | X | X | 922523D | 922522D |
| 10 | X | X | X | 922526D | 922525D |
| 15 | X | X | X | 922527D | n/a |
| 20 | n/a | n/a | X | 922529D | n/a |
| 25 | n/a | n/a | X | 922530D | n/a |

DIMENSIONS

| Models B64VMMX | Height | Width | Refrigerant Connections | | Filter Size | Supply Air Duct Dimensions |
|----------------|--------|--------|-------------------------|-------------|-------------|----------------------------|
| | | | Suction Dia. | Liquid Dia. | | |
| 24K-B | 49 1/2 | 19 3/4 | 7/8 | 3/8 | 18 x 20 x 1 | 12 7/8 x 18 1/4 |
| 3648K-C | 56 | 22 1/2 | 7/8 | 3/8 | 20 x 20 x 1 | 12 7/8 x 21 |
| 60K-C | 56 | 22 1/2 | 7/8 | 3/8 | 20 x 20 x 1 | 12 7/8 x 21 |



ELECTRICAL DATA

| Cabinet | Tons | Model Number H8HK- | Voltage 208 | | | | | | | | Voltage 230 | | | | | | | |
|---------|------|-----------------------|-----------------------------------|-----------|-----------|----------------|--------------------------------------|-----------|-----------|----------------|-----------------------------------|-----------|-----------|----------------|--------------------------------------|-----------|-----------|----------------|
| | | | Minimum Circuit Ampacity (MCA) | | | | Max Over-current Protection (MOP) | | | | Minimum Circuit Ampacity (MCA) | | | | Max Over-current Protection (MOP) | | | |
| | | | 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 |
| B | 24 | None | 4.8 | - | - | 4.8 | 15 | - | - | 15 | 4.8 | - | - | 4.8 | 15 | - | - | 15 |
| | | 005K-XX | 26.4 | - | - | 26.4 | 30 | - | - | 30 | 28.7 | - | - | 28.7 | 30 | - | - | 30 |
| | | 008K-XX | 39 | - | - | 39 | 40 | - | - | 40 | 42.7 | - | - | 42.7 | 45 | - | - | 45 |
| | | 010K-XX | 48 | - | - | 48 | 50 | - | - | 50 | 52.7 | - | - | 52.7 | 60 | - | - | 60 |
| | | 015L-XX | 43.3 | 26.4 | - | 69.7 | 45 | 30 | - | 70 | 47.9 | 28.7 | - | 76.6 | 50 | 30 | - | 80 |
| C | 3648 | 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 | - | - | 41 | 45 | - | - | 45 | 44.7 | - | - | 44.7 | 45 | - | - | 45 |
| | | 010K-XX | 50 | - | - | 50 | 50 | - | - | 50 | 54.7 | - | - | 54.7 | 60 | - | - | 60 |
| | | 015L-XX | 43.3 | 28.4 | - | 71.7 | 45 | 30 | - | 80 | 47.9 | 30.7 | - | 78.6 | 50 | 35 | - | 80 |
| | | 020K-XX | 43.3 | 50 | - | 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 |
| C | 60 | None | 8.8 | - | - | 8.8 | 15 | - | - | 15 | 8.8 | - | - | 8.8 | 15 | - | - | 15 |
| | | 005K-XX | 30.4 | - | - | 30.4 | 35 | - | - | 35 | 32.7 | - | - | 32.7 | 35 | - | - | 35 |
| | | 008K-XX | 43 | - | - | 43 | 45 | - | - | 45 | 46.7 | - | - | 46.7 | 50 | - | - | 50 |
| | | 010K-XX | 52 | - | - | 52 | 60 | - | - | 60 | 56.7 | - | - | 56.7 | 60 | - | - | 60 |
| | | 015L-XX | 43.3 | 30.4 | - | 73.7 | 45 | 35 | - | 80 | 47.9 | 32.7 | - | 80.6 | 50 | 35 | - | 90 |
| | | 020K-XX | 43.3 | 52 | - | 95.3 | 45 | 60 | - | 100 | 47.9 | 56.7 | - | 104.6 | 50 | 60 | - | 110 |
| | | 024K-XX | 43.3 | 43.3 | 30.4 | 116.9 | 45 | 45 | 35 | 125 | 47.9 | 47.9 | 32.7 | 128.5 | 50 | 50 | 35 | 150 |

AIRFLOW DATA

| COOLING AIRFLOW - B CABINET | | | | | | |
|-----------------------------|---------------------------------------|-----------------------------------|---|---|---|--------------------------------------|
| CMF | A/B SWITCH SETTING 0 = OFF, 1 = ON | SWITCH SETTING 0 = OFF, 1 = ON | | | | NOMINAL CAPACITY (REFERENCE) |
| | | 5 | 6 | 7 | 8 | |
| 525 | 1 | 0 | 0 | 0 | 0 | 1.5 TON 2 TON 2.5 TON 3 TON |
| 560 | 1 | 0 | 0 | 0 | 1 | |
| 600 | 1 | 0 | 0 | 1 | 0 | |
| 650 | 1 | 0 | 0 | 1 | 1 | |
| 700 | 1 | 0 | 1 | 0 | 0 | |
| 750 | 1 | 0 | 1 | 0 | 1 | |
| 800 | 1 | 0 | 1 | 1 | 0 | |
| 850 | 1 | 0 | 1 | 1 | 1 | |
| 875 | 1 | 1 | 0 | 0 | 0 | |
| 950 | 1 | 1 | 0 | 0 | 1 | |
| 1050 | 1 | 1 | 0 | 1 | 0 | |
| 1150 | 1 | 1 | 0 | 1 | 1 | |
| 1250 | 1 | 1 | 1 | 0 | 0 | |
| 1350 | 1 | 1 | 1 | 0 | 1 | |
| 1400 | 1 | 1 | 1 | 1 | 0 | |
| 1600 | 1 | 1 | 1 | 1 | 1 | |

| HEATING AIRFLOW - B CABINET | | |
|---------------------------------------|------------------------------|------------------|
| A/B SWITCH SETTING 0 = OFF, 1 = ON | HEATER KIT INSTALLED (kW) | AIRFLOW (CFM) |
| 1 | 0 | 700 |
| 1 | 5 | 900 |
| 1 | 8 | 1000 |
| 1 | 10 | 1100 |
| 1 | 15 | 1300 |
| 1 | 20 | N/A |
| 1 | 25 | N/A |

| COOLING AIRFLOW - C CABINET | | | | | | |
|-----------------------------|----------------------------------|-----------------------------------|---|---|---|------------------------------------|
| CMF | A/B SWITCH SETTING * = EITHER | SWITCH SETTING 0 = OFF, 1 = ON | | | | NOMINAL CAPACITY (REFERENCE) |
| | | 5 | 6 | 7 | 8 | |
| 1100 | * | 0 | 0 | 0 | 0 | 3 TON 3.5 TON 4 TON 5 TON |
| 1200 | * | 0 | 0 | 0 | 1 | |
| 1250 | * | 0 | 0 | 1 | 0 | |
| 1300 | * | 0 | 0 | 1 | 1 | |
| 1350 | * | 0 | 1 | 0 | 0 | |
| 1400 | * | 0 | 1 | 0 | 1 | |
| 1450 | * | 0 | 1 | 1 | 0 | |
| 1500 | * | 0 | 1 | 1 | 1 | |
| 1550 | * | 1 | 0 | 0 | 0 | |
| 1600 | * | 1 | 0 | 0 | 1 | |
| 1650 | * | 1 | 0 | 1 | 0 | |
| 1700 | * | 1 | 0 | 1 | 1 | |
| 1750 | * | 1 | 1 | 0 | 0 | |
| 1800 | * | 1 | 1 | 0 | 1 | |
| 1900 | * | 1 | 1 | 1 | 0 | |
| 2000 | * | 1 | 1 | 1 | 1 | |

| HEATING AIRFLOW - C CABINET | | |
|---------------------------------------|------------------------------|------------------|
| A/B SWITCH SETTING 0 = OFF, 1 = ON | HEATER KIT INSTALLED (KW) | AIRFLOW (CFM) |
| * | 0 | 800 |
| * | 5 | 1000 |
| * | 8 | 1200 |
| * | 10 | 1200 |
| * | 15 | 1400 |
| * | 20 | 1600 |
| * | 25 | 1800 |

NOTES:

- Airflow values listed are for 240V operation. For 208V operation, multiply A & B cabinet values by .95; for C-cabinet values multiply by .90
- When matched with two-stage outdoor units the airflow on low (Y1 or W1) input only will be 70% of the values shown in this table.

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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. (02/25)