



YORK Technical Guide: JHC Series

Premium Variable Speed ECM Single Piece Multi-position Air Handlers



York International Corporation, 5005 York Drive, Norman, OK 73069

6523686-YTG-B-0824

Supersedes: 6523686-YTG-A-0624

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Description

The single-piece air handler series provides the flexibility for installation in any position. This unit may be used for upflow, downflow, horizontal right, or horizontal left applications. These units may be located in a closet, utility room, attic, crawl space, or basement. These versatile models may be used for cooling or heat pump operation with or without electric heat.

Top or side power and control wiring, color-coded leads for control wiring, and electric heaters all combine to make the installation easy and minimize installation cost.

Electric heat kits are available as field-installed accessories. Single-phase kits are available from 2 kW to 25 kW and 208/230 V three-phase kits are available from 10 kW to 25 kW. An R-454B refrigerant detection sensor is factory-installed.

Visit us on the web at www.simplygettingthejobdone.com and www.york.com. Additional rating information can be found at www.ahridirectory.org.

Due to continuous product improvement, specifications are subject to change without notice. **This document is only for distribution use - it is not to be used at point of retail sale.**

Certification



Assembled at a facility with
an ISO 9001:2015-certified
Quality Management
System

Features

MaxAlloy™ coil

Long-life aluminum coils built to deliver lasting performance, efficiency, and reliability

Next generation even-flow distributor

Designed for balanced refrigerant flow and even coil circuit performance

Next generation high-efficiency blower

Delivers increased airflow and reduced blower watts by 10%, using a variable speed ECM motor

Variable speed operation

Provides flexibility in application as well as upgraded system efficiency

Next generation insulation and gasket design

Reduces thermal transmission paths and reduces sweating

Electric heat kit

8HK field-installed series available for easy installation and service application

Two-stage operation

Provides flexibility in application with single-stage and two-stage outdoor equipment

Designed for easy installation and service

A casing size of 20.5 in., smooth sides, and rigid construction provide ease access to, for example, attic space and tight applications. In addition, front-facing components, a slide-out blower, laser cut knock outs, and integrated duct flanges help to shorten the install time

Modular blower control board

The control board can be controlled with a standard (conventional) thermostat or with a HX communicating control.

Cabinet air leakage

Less than 2% at 1 in. W.C. external static pressure when tested in accordance with ASHRAE Standard 193

Long lasting quality

Structural components made of post powder painted steel or galvanized steel to prevent corrosion

Thermostat drain pan

Positive slope for drainage to reduce cause for potential mold or contaminant

A2L refrigerant ready

An R-454B refrigerant detection sensor is factory-installed

Accessories

Refer to the *Price Manual* for specific model numbers.

Table 1: Accessories

| Single-source power accessory - three-phase | |
|---|--|
| S1-32436041000 | Contains a terminal block and wiring to connect service disconnects together |

TXV kits

Air handler units have a factory-installed R-454B TXV. All TXV kits are chatleff style and require no brazing to install.

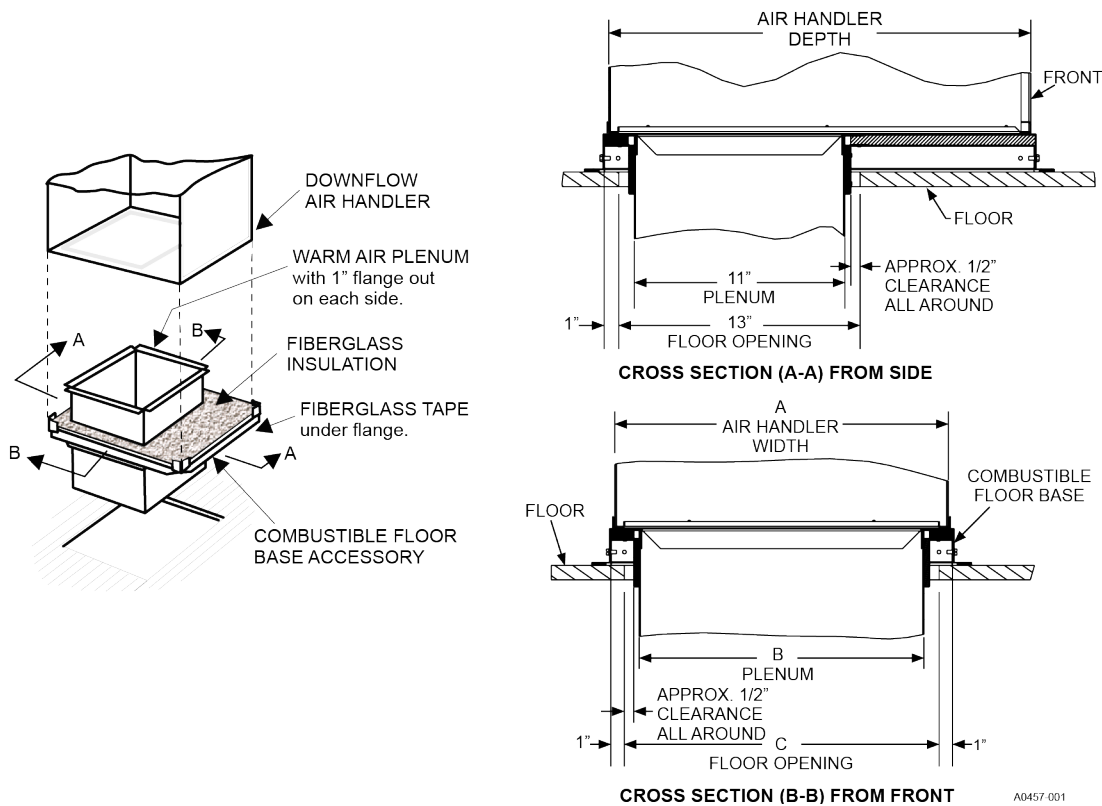
Electric heat kits

8HK models shown under electrical data include sequential operation and temperature dual limit switches for safe, efficient operation. Service disconnects are provided where shown.

Combustible floor base accessory

If an electric heat accessory rated for greater than zero clearance to combustible surfaces is installed in these air handlers in the downflow operating position on a combustible floor, one of the following combustible floor base accessory models is required: S1-1FB1917, S1-1FB1921, S1-1FB1924. See [Figure 1](#).

Figure 1: Combustible floor base accessory



Breaker moisture seal accessory

A clear circuit breaker moisture barrier seals the breakers from humidity and dust. The flexibility of the clear cover allows circuit breakers to be turned on or off without removing the cover. The cover firmly attaches to the access panel around the circuit breakers with the use of double backed adhesive tape. To ensure that moisture or dust does not contaminate circuit breakers, an S1-02435672000, a circuit breaker, and a cover seal may be ordered.

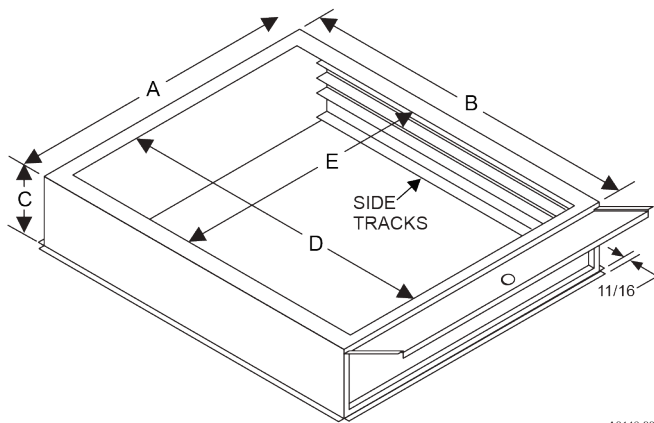
Thermostat

Compatible thermostat controls are available through accessory sourcing. For optimum performance, these indoor units are fully compatible with our residential Hx™ Touch Screen Thermostat with proprietary hexagon interface. For more information, refer to the Thermostat & Controllers section at www.simplygettingthejobdone.com.

Filter rack

Filtration must be installed external to the unit using an accessory filter rack kit. See the filter rack dimensions in Figure 2.

Figure 2: Filter rack dimensions



A0146-003

Table 2: Filter rack dimensions

| Galvanised model | A | B (in.) | C | D | E | Filter size |
|------------------|------|---------|---|-------|-------|------------------|
| 1BR01117 | 17.5 | 21.56 | 4 | 18.63 | 14.25 | 16 x 20 x 1 or 2 |
| 1BR01121 | 21 | 21.56 | 4 | 18.63 | 17.75 | 20 x 20 x 1 or 2 |
| 1BR01124 | 24.5 | 21.56 | 4 | 18.63 | 21.25 | 20 x 24 x 1 or 2 |

Note: The filter is not supplied.

JHC Nomenclature

Table 3: Model nomenclature description

| Number | Category | Option | Description |
|--------|--|--------|--------------------------|
| 1 | Product type | J | Air handler |
| 2 | Air handler type | H | One piece |
| | | S | Shorter cabinet |
| 3 | Motor type | E | Constant torque |
| | | C | Constant CFM |
| | | V | Variable speed ECM |
| 4, 5 | Nominal capacity | 18 | 1.5 ton |
| | | 24 | 2.0 ton |
| | | 30 | 2.5 ton |
| | | 36 | 3.0 ton |
| | | 42 | 3.5 ton |
| | | 48 | 4.0 ton |
| | | 60 | 5.0 ton |
| 6 | Cabinet width | A | 14.5 in. |
| | | B | 17.5 in. |
| | | C | 21.0 in. |
| | | D | 24.5 in. |
| | | E | 19.6 in. |
| | | F | 22.0 in. |
| 7 | Refrigerant | 5 | R-454B |
| 8 | Metering device | A-W | TXV |
| | | 1-9 | EEV |
| | | X | No valve |
| 9 | Slab Size | A | 2R-14-18 |
| | | B | 2R-16-18 |
| | | C | 2R-20-18 |
| | | D | 3R-20-14 |
| | | E | 3R-22-14 |
| | | F | 3R-24-12 |
| | | G | 3R-28-12 |
| | | H | 3R-32-12 |
| | | J | 4R-28-12 |
| 10 | Voltage (voltage-phase-hertz) | 2 | 208/230-1-60 |
| | | 3 | 208/230-3-60 |
| | | 4 | 460-3-60 |
| 11 | Control strategy | C | Communicating |
| | | B | Wireless (communicating) |
| | | S | Standard (conventional) |
| | | W | Wireless (conventional) |
| 12 | Accessories | S | A2L sensor |
| | | N | None (no sensor) |
| 13 | Generation (major revision) | 1 | First generation |
| | | 2 | Second generation |
| | | 3 | Third generation |
| | | 4 | Fourth generation |
| 14 | Style letter (minor revision) not used for ordering | A | Style A |
| | | B | Style B |
| | | C | Style C |
| | | D | Style D |

Table 4: Model nomenclature example

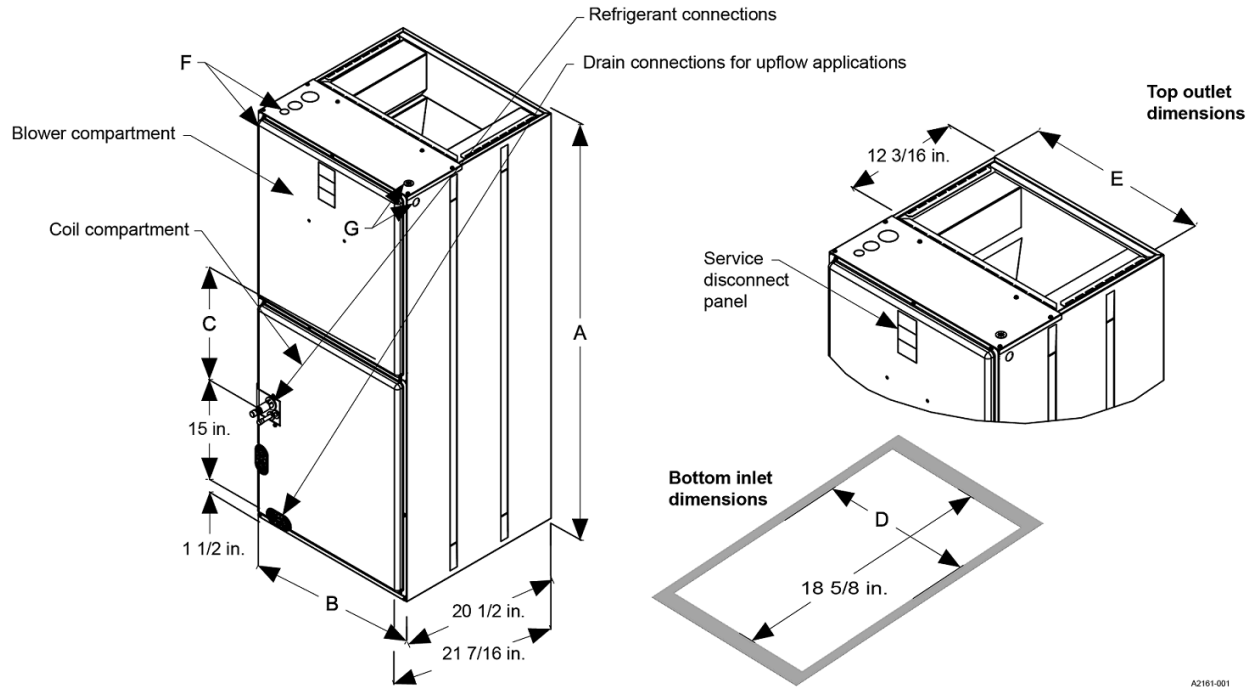
| Number | 1 | 2 | 3 | 4, 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--------|---|---|---|------|---|---|---|---|----|----|----|----|----|
| Option | J | H | C | 18 | B | 5 | A | B | 2 | S | S | 1 | A |

Example:

The JHC18B5AB2SS1A is a one-piece air handler using constant CFM. It is a 1.5 ton model with a cabinet width of 17.5 in. It uses R-454B refrigerant, has a TXV, has a slab size of 2R-16-18 first-generation and uses 208/230-1-60 voltage. This conventional air handler has an A2L sensor and is a Style-A model.

Dimensions

Figure 3: Dimensions and duct connection dimensions



A2161-001

Table 5: Dimensions

| Model | Dimensions | | | | | Wiring knockouts (actual conduit size) | | Refrigerant connections line size | |
|-------------------|----------------------|------------------|--------|--------------------------|--------|---|-----------------------|-----------------------------------|-------|
| | A Height (in.) | B Width (in.) | C | D Opening Width (in.) | E | F Power (in.) | G Control (in.) | Liquid (in.) | Vapor |
| JHC18B5AB 2SS1 | 45 5/8 | 17 1/2 | 7 1/2 | 16 1/2 | 16 1/2 | 7/8 (1/2) 1 3/8 (1) | 7/8 (1/2) | 3/8 | 3/4 |
| JHC24B5AC 2SS1 | 48 3/8 | 17 1/2 | 10 | 16 1/2 | 16 1/2 | 1 23/32 (1 1/4) | | | |
| JHC36B5AD 2SS1 | 48 3/8 | 17 1/2 | 10 | 16 1/2 | 16 1/2 | | | | |
| JHC36C5AD 2SS1 | 49 5/8 | 21 | 11 1/2 | 20 | 20 | | | | |
| JHC42C5AF 2SS1 | 55 5/8 | 21 | 17 1/2 | 20 | 20 | | | | |
| JHC42D5AF 2SS1 | 55 1/2 | 24 1/2 | 17 1/4 | 23 1/2 | 23 1/2 | | | | |
| JHC48C5CG 2SS1 | 60 | 21 | 21 3/4 | 20 | 20 | | | | |
| JHC48D5CG 2SS1 | 60 | 24 1/2 | 21 3/4 | 23 1/2 | 23 1/2 | | | | |
| JHC60C5CH 2SS1 | 61 6/8 | 21 | 23 1/2 | 20 | 20 | | | | |
| JHC60D5CH 2SS1 | 61 6/8 | 24 1/2 | 23 1/2 | 23 1/2 | 23 1/2 | | | | |
| JHC60D5CJ2 SS1 | 60 | 24 1/2 | 21 3/4 | 23 1/2 | 23 1/2 | | | 7/8 | |

Coil technical data

Table 6: Coil technical data

| Model | Application | Refrigerant connection types | Face area (sq. ft.) | Rows deep | Fins per in. | Coil size | Tube geometry | Tube diameter | Fin type |
|-------------------|--------------------|------------------------------|---------------------|-----------|--------------|-------------|---------------|---------------|----------|
| JHC18B5AB 2SS1 | Cooling /Heat pump | Sweat | 3.8 | 2 | 18 | (2) 16 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC24B5AC 2SS1 | Cooling /Heat pump | Sweat | 4.7 | 2 | 18 | (2) 20 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC36B5A D2SS1 | Cooling /Heat pump | Sweat | 4.7 | 3 | 14 | (2) 20 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC36C5A D2SS1 | Cooling /Heat pump | Sweat | 4.7 | 3 | 14 | (2) 20 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC42C5AF 2SS1 | Cooling /Heat pump | Sweat | 5.7 | 3 | 12 | (2) 24 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC42D5AF 2SS1 | Cooling /Heat pump | Sweat | 5.7 | 3 | 12 | (2) 24 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC48C5C G2SS1 | Cooling /Heat pump | Sweat | 6.6 | 3 | 12 | (2) 28 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC48D5C G2SS1 | Cooling /Heat pump | Sweat | 6.6 | 3 | 12 | (2) 28 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC60C5C H2SS1 | Cooling /Heat pump | Sweat | 7.6 | 3 | 12 | (2) 32 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC60D5C H2SS1 | Cooling /Heat pump | Sweat | 7.6 | 3 | 12 | (2) 32 x 17 | 1 x 0.675 | 3/8 | Lanced |
| JHC60D5CJ 2SS1 | Cooling /Heat pump | Sweat | 6.6 | 4 | 12 | (2) 28 x 17 | 1 x 0.675 | 3/8 | Lanced |

Cooling capacity

Table 7: Cooling capacity

| Model | Rated CFM | Entering air dry bulb/wet bulb (°F) | MBH at evaporation temperature and corresponding R-454B pressure (°F/psig) | | | |
|-----------|-----------|-------------------------------------|--|----------|----------|----------|
| | | | 35/107.9 | 40/118.9 | 45/130.7 | 50/143.3 |
| JHC18B5*B | 600 | 85/72 | 56.0 | 50.0 | 43.3 | 35.9 |
| | | 80/67 | 45.5 | 39.5 | 32.6 | 25.2 |
| | | 75/62 | 36.0 | 29.8 | 23.0 | 15.4 |
| | | 70/57 | 27.3 | 21.0 | 14.8 | 11.4 |
| JHC24B5*C | 800 | 85/72 | 66.1 | 60.1 | 52.9 | 44.6 |
| | | 80/67 | 54.6 | 48.2 | 40.2 | 31.9 |
| | | 75/62 | 43.9 | 36.9 | 29.1 | 19.0 |
| | | 70/57 | 33.8 | 26.6 | 19.0 | 14.8 |
| JHC36B5*D | 1200 | 85/72 | 86.0 | 77.6 | 68.0 | 57.1 |
| | | 80/67 | 70.6 | 61.7 | 52.0 | 40.7 |
| | | 75/62 | 56.4 | 47.2 | 37.2 | 24.7 |
| | | 70/57 | 43.1 | 33.8 | 23.9 | 18.6 |
| JHC36C5*D | 1200 | 85/72 | 86.0 | 77.6 | 68.0 | 57.1 |
| | | 80/67 | 70.6 | 61.7 | 52.0 | 40.7 |
| | | 75/62 | 56.4 | 47.2 | 37.2 | 24.7 |
| | | 70/57 | 43.1 | 33.8 | 23.9 | 18.6 |
| JHC42C5*F | 1400 | 85/72 | 95.4 | 86.1 | 75.5 | 63.0 |
| | | 80/67 | 78.5 | 68.7 | 57.7 | 45.0 |
| | | 75/62 | 62.9 | 44.6 | 41.5 | 27.7 |
| | | 70/57 | 48.4 | 38.1 | 27.5 | 21.0 |
| JHC42D5*F | 1600 | 85/72 | 95.4 | 86.1 | 75.5 | 63.0 |
| | | 80/67 | 78.5 | 68.7 | 57.7 | 45.0 |
| | | 75/62 | 62.9 | 44.6 | 41.5 | 27.7 |
| | | 70/57 | 48.4 | 38.1 | 27.5 | 21.0 |
| JHC48C5*G | 1600 | 85/72 | 115.6 | 104.2 | 91.0 | 76.2 |
| | | 80/67 | 94.9 | 82.8 | 67.4 | 54.3 |
| | | 75/62 | 75.6 | 63.1 | 49.4 | 33.6 |
| | | 70/57 | 57.9 | 45.1 | 32.1 | 24.8 |
| JHC48D5*G | 1600 | 85/72 | 115.6 | 104.2 | 91.0 | 76.2 |
| | | 80/67 | 94.9 | 82.8 | 67.4 | 54.3 |
| | | 75/62 | 75.6 | 63.1 | 49.4 | 33.6 |
| | | 70/57 | 57.9 | 45.1 | 32.1 | 24.8 |
| JHC60C5*H | 1800 | 85/72 | 113.0 | 102.6 | 90.1 | 75.7 |
| | | 80/67 | 93.2 | 82.1 | 68.8 | 54.3 |
| | | 75/62 | 74.7 | 62.9 | 49.4 | 33.4 |
| | | 70/57 | 57.5 | 45.1 | 32.2 | 25.1 |
| JHC60D5*H | 1800 | 85/72 | 113.0 | 102.6 | 90.1 | 75.7 |
| | | 80/67 | 93.2 | 82.1 | 68.8 | 54.3 |
| | | 75/62 | 74.7 | 62.9 | 49.4 | 33.4 |
| | | 70/57 | 57.5 | 45.1 | 32.2 | 25.1 |
| JHC60D5*J | 1800 | 85/72 | 111.3 | 100.0 | 87.1 | 72.3 |
| | | 80/67 | 91.5 | 79.6 | 66.3 | 51.3 |
| | | 75/62 | 73.1 | 60.9 | 46.9 | 32.6 |
| | | 70/57 | 56.1 | 43.0 | 32.5 | 25.0 |

① **Note:**

- Actual capacity varies with the outdoor air conditioning unit or heat pump that is used with the system. See Condensing Unit or the Heat Pump *Technical Guide* for total cooling capacity and sensible capacity.
- Airflow is calculated for each system tonnage.

Physical and electrical data

Table 8: Physical and electrical data - cooling only

| Model | | JHC18B5 *B | JHC24B5 *C | JHC36B5 *D | JHC36C5 *D | JHC42C5 *F | JHC42D5 *F | JHC48C5 *G | JHC48D5 *G | JHC60C5 *H | JHC60D5 *H | JHC60D5 *J |
|---|----------------|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Blower - diameter x width | | 11 x 8 | 11 x 8 | 11 x 8 | 11 x 10 | 11 x 10 | 11 x 11 | 11 x 10 | 11 x 11 | 11 x 10 | 11 x 11 | 11 x 11 |
| Motor | HP | 1/3 HP | 1/3 HP | 1/2 HP | 1/2 HP | 3/4 HP | 3/4 HP | 1 HP | 3/4 HP | 1 HP | 3/4 HP | 1 HP |
| | Nominal RPM | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Voltage | | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| Full load amps at 230 V | | 2.6 | 2.6 | 3.8 | 3.8 | 5.4 | 5.4 | 7.0 | 5.4 | 7.0 | 5.4 | 7.0 |
| Filter | Type | Disposable or cleanable | | | | | | | | | | |
| | Size | 16 x 20 x 1 | 16 x 20 x 1 | 16 x 20 x 1 | 20 x 20 x 1 | 20 x 20 x 1 | 23 x 20 x 1 | 20 x 20 x 1 | 23 x 20 x 1 | 20 x 20 x 1 | 23 x 20 x 1 | 23 x 20 x 1 |
| Shipping / Operating weight (lb) | | 98 / 90 | 104 / 96 | 105 / 97 | 121 / 111 | 132 / 122 | 142 / 131 | 140 / 129 | 152 / 140 | 153 / 141 | 158 / 146 | 162 / 150 |
| <p>Note: The filter is field supplied.</p> | | | | | | | | | | | | |

Electrical data - cooling only

Table 9: Electrical data - cooling only

| Model | Motor FLA* | Minimum circuit ampacity | MOP |
|---|------------|--------------------------|-----|
| JHC18B5*B/JHC24B5*C | 2.6 | 3.3 | 15 |
| JHC36B5*D/JHC36C5*D | 3.8 | 4.8 | 15 |
| JHC42C5*F/JHC42D5*F/ JHC48D5*G/JHC60D5*H | 5.4 | 6.8 | 15 |
| JHC48C5*G/JHC60C5*H/ JHC60D5*J | 7 | 8.8 | 15 |
| <p>Note:</p> <ul style="list-style-type: none"> FLA = Full load amps MOP stands for maximum overcurrent protection device. It must be a HACR type circuit breaker or a time delay fuse. Refer to the latest edition of the National Electric Code, or, in Canada, the Canadian electrical Code and local codes to determine correct wire sizing. | | | |

Electrical heat - minimum fan speed

Table 10: Electrical heat - minimum fan CFM for single-phase heat kits

| Electric heat kit model | Nominal kW at 240 V | Airflow configuration - HEAT DIP switch setting* | AUX heat configuration - Heatkit selection DIP switch setting | Air handler model | | | | | | | | | | |
|-------------------------|---------------------|--|---|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | | JHC18B5 *B | JHC24B5 *C | JHC36B5 *D | JHC36C5 *D | JHC42C5 *F | JHC42D5 *F | JHC48C5 *G | JHC48D5 *G | JHC60C5 *H | JHC60D5 *H | JHC60D5 *J |
| 8HK(0,1)6500206 | 2.4 kW | 00 | 0001 | 625 | 650 | 625 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 |
| 8HK(0,1)6500506 | 4.8 kW | 00 | 0010 | 650 | 650 | 650 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 |
| 8HK(0,1)6500806 | 7.7 kW | 00 | 0011 | 750 | 800 | 750 | 1100 | 1100 | 1150 | 1100 | 1150 | 1100 | 1150 | 1150 |
| 8HK(0,1)6501006 | 9.6 kW | 00 | 0100 | 790 | 950 | 750 | 1100 | 1100 | 1500 | 1100 | 1500 | 1100 | 1500 | 1500 |
| 8HK(1,2)6501506 | 14.4 kW | 00 | 0101 | — | 650, 950 | 650, 975 | 825, 1100 | 825, 1100 | 825, 1575 | 825, 1100 | 825, 1575 | 825, 1100 | 825, 1575 | 825, 1700 |
| 8HK(1,2)6502006 | 19.2 kW | 00 | 0110 | — | — | 750, 975 | 1100, 1300 | 1100, 1300 | 1325, 1575 | 1100, 1300 | 1325, 1575 | 1100, 1300 | 1325, 1575 | 1500, 1700 |
| 8HK(1,2)6502506 | 24 kW | 00 | 0111 | — | — | — | — | — | — | — | 1325, 1650 | — | 1325, 1650 | 1500, 1800 |

Note:

- For electric heat kit model numbers in this table that include (0,1), 0 indicates no service disconnect or 1 indicates with service disconnect.
- For electric heat kit model numbers in this table that include (1,2) - 1 indicates with service disconnect and no breaker jumper bar or 2 indicates with service disconnect and breaker jumper bar.
- For minimum CFM, if there are two values present, the first value is low-stage CFM (W1) and the second value is full-stage CFM (W1 and W2). If higher kW/CFM is needed for low-stage, refer to [Table 12](#).
- * To increase airflow by approximately 20%, adjust the HEAT DIP switches from 00 to 01.

Table 11: Electrical heat - minimum fan CFM for three-phase heat kits

| Heater kit model | Nominal kW at 240 V | Airflow configuration - HEAT DIP switch setting* | AUX heat configuration - Heatkit selection DIP switch setting | Air handler model | | | | | | | | | | |
|------------------|---------------------|--|---|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | | JHC18B5 *B | JHC24B5 *C | JHC36B5 *D | JHC36C5 *D | JHC42C5 *F | JHC42D5 *F | JHC48C5 *G | JHC48D5 *G | JHC60C5 *H | JHC60D5 *H | JHC60D5 *J |
| 8HK06501025 | 9.6kW | 00 | 1000 | 790 | 950 | 1150 | 1150 | 1150 | 1500 | 1150 | 1500 | 1150 | 1500 | 1700 |
| 8HK06501525 | 14.4kW | 00 | 1001 | — | 950 | 1150 | 1150 | 1150 | 1575 | 1150 | 1575 | 1150 | 1575 | 1700 |
| 8HK16502025 | 19.2kW | 00 | 1010 | — | — | 1150, 1150 | 1150, 1300 | 1150, 1400 | 1500, 1575 | 1150, 1300 | 1500, 1575 | 1150, 1300 | 1500, 1575 | 1700 |
| 8HK16502525 | 24kW | 00 | 1011 | — | — | — | — | — | — | — | 1575, 1650 | — | 1575, 1650 | 1700, 1800 |

Note:

- For electric heat kit model numbers in this table that include (0,1), 0 indicates no service disconnect or 1 indicates with service disconnect.
- For electric heat kit model numbers in this table that include (1,2) - 1 indicates with service disconnect and no breaker jumper bar or 2 indicates with service disconnect and breaker jumper bar.
- For minimum CFM, if there are two values present, the first value is low-stage CFM (W1) and the second value is full-stage CFM (W1 and W2). If higher kW/CFM is needed for low-stage, refer to [Table 12](#).
- * To increase airflow by approximately 20%, adjust the HEAT DIP switches from 00 to 01.

Table 12: AUX heat configuration - stage 1 KW DIP switch settings

| | |
|----------------|--------|
| W1 = W1 | 00, 01 |
| W1 = W2 | 10 |
| W1 = W1 and W2 | 11 |

Application limitations

Adhere to the following:

- These units must be installed in accordance with all national and local safety codes.
- Airflow must be within the minimum and maximum limits approved for electric heat, indoor coils, and outdoor units.

Table 13: Voltage limits

| Air handler voltage (V-phase-Hz) | Normal operating voltage range |
|--|--------------------------------|
| 208/230-1-60 | 187-253 |
| Note: Normal operating voltage range is rated in accordance with ARI standard 110, utilization range A. | |

Table 14: Application factors - rated CFM versus actual CFM

| Percentage of rated airflow (CFM) | 80 | 90 | 100 | 110 | 120 |
|-----------------------------------|------|------|-----|------|------|
| Capacity factor | 0.96 | 0.98 | 1 | 1.02 | 1.03 |

Table 15: kW and MBH conversions for total power input requirement

| Distribution power (V) | Nominal voltage (V) | Conversion factor |
|------------------------|---------------------|-------------------|
| 208 | 240 | 0.75 |
| 220 | 240 | 0.84 |
| 230 | 240 | 0.92 |

- Note:** For a power distribution voltage that is different than the provided nominal voltage, multiply the kW and MBH data from the table by the conversion factor in [Table 16](#).

Electric heat performance data

Table 16: Electric heat performance data: 208/230-1-60 and 208/230-3-60

| Electric heat kit model | | Nominal kW at 240 V | Total heat | | | | kW staging | | | |
|-------------------------|------------------|---------------------|------------|-------|-------|-------|------------|-------|-----------|-------|
| | | | kW | | MBH | | W1 only | | W1 and W2 | |
| | | | 208 V | 230 V | 208 V | 230 V | 208 V | 230 V | 208 V | 230 V |
| Single phase | 8HK(0,1)6 500206 | 2.4 | 1.8 | 2.2 | 6.2 | 7.5 | 1.8 | 2.2 | 1.8 | 2.2 |
| | 8HK(0,1)6 500506 | 4.8 | 3.6 | 4.4 | 12.3 | 15 | 3.6 | 4.4 | 3.6 | 4.4 |
| | 8HK(0,1)6 500806 | 7.7 | 5.8 | 7.1 | 19.7 | 24.1 | 5.8 | 7.1 | 5.8 | 7.1 |
| | 8HK(0,1)6 501006 | 9.6 | 7.2 | 8.8 | 24.6 | 30.1 | 7.2 | 8.8 | 7.2 | 8.8 |
| | 8HK(1,2)6 501506 | 14.4 | 10.8 | 13.2 | 36.9 | 45.1 | 3.6 | 4.4 | 10.8 | 13.2 |
| | 8HK(1,2)6 502006 | 19.2 | 14.4 | 17.6 | 49.2 | 60.2 | 7.2 | 8.8 | 14.4 | 17.6 |
| | 8HK(1,2)6 502506 | 24 | 18 | 22 | 61.5 | 75.2 | 7.2 | 8.8 | 18 | 22 |
| Three phase | 8HK06501 025 | 9.6 | 7.2 | 8.8 | 24.6 | 30.1 | 7.2 | 8.8 | 7.2 | 8.8 |
| | 8HK06501 525 | 14.4 | 10.8 | 13.2 | 36.9 | 45.1 | 10.8 | 13.2 | 10.8 | 13.2 |
| | 8HK16502 025 | 19.2 | 14.4 | 17.6 | 49.2 | 60.2 | 7.2 | 8.8 | 14.4 | 17.6 |
| | 8HK16502 525 | 24 | 18 | 22 | 61.5 | 75.2 | 9 | 11 | 18 | 22 |

① **Note:**

- For electric heat kit model numbers in this table that include (0,1), 0 indicates no service disconnect or 1 indicates with service disconnect.
- For electric heat kit model numbers in this table that include (1,2) - 1 indicates with service disconnect and no breaker jumper bar or 2 indicates with service disconnect and breaker jumper bar.
- For different power distributions, see [Table 15](#).

Electrical data for single-source power supply - 208/230-1-60

Table 17: Electrical data for single-source power supply: 208/230-1-60

| Air handler model | Electric heat kit model | Heater amps (A) at 240 V | Field wiring | | | |
|-------------------|-------------------------|--------------------------|------------------------------|-------|---------|-------|
| | | | Minimum circuit ampacity (A) | | MOP (A) | |
| | | | 208 V | 230 V | 208 V | 230 V |
| JHC18B5*B | 8HK(0,1)6500206 | 10 | 14.1 | 15.2 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 24.9 | 27.2 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 38.1 | 41.8 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 46.5 | 51.1 | 50 | 60 |
| JHC24B5*C | 8HK(0,1)6500206 | 10 | 14.1 | 15.2 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 24.9 | 27.2 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 38.1 | 41.8 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 46.5 | 51.1 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 68.2 | 75.0 | 70 | 80 |
| JHC36B5*D | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| | 8HK(1,2)6502006 | 80 | 91.3 | 100.4 | 100 | 110 |
| JHC36C5*D | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| | 8HK(1,2)6502006 | 80 | 91.3 | 100.4 | 100 | 110 |
| JHC42C5*F | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 30 | 35 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| JHC42D5*F | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 30 | 35 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| JHC48C5*G | 8HK(0,1)6500206 | 10 | 19.6 | 20.7 | 20 | 25 |
| | 8HK(0,1)6500506 | 20 | 30.4 | 32.7 | 35 | 35 |
| | 8HK(0,1)6500806 | 32 | 43.6 | 47.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 52.0 | 56.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 73.7 | 80.5 | 80 | 90 |
| | 8HK(1,2)6502006 | 80 | 95.3 | 104.4 | 100 | 110 |
| JHC48D5*G | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 30 | 35 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| JHC60C5*H | 8HK(0,1)6500206 | 10 | 19.6 | 20.7 | 20 | 25 |
| | 8HK(0,1)6500506 | 20 | 30.4 | 32.7 | 35 | 35 |
| | 8HK(0,1)6500806 | 32 | 43.6 | 47.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 52.0 | 56.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 73.7 | 80.5 | 80 | 90 |
| | 8HK(1,2)6502006 | 80 | 95.3 | 104.4 | 100 | 110 |

Table 17: Electrical data for single-source power supply: 208/230-1-60

| Air handler model | Electric heat kit model | Heater amps (A) at 240 V | Field wiring | | | |
|-------------------|--|--------------------------|------------------------------|-------|---------|-------|
| | | | Minimum circuit ampacity (A) | | MOP (A) | |
| | | | 208 V | 230 V | 208 V | 230 V |
| JHC60D5*H | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 30 | 35 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| | 8HK(1,2)6502506 | 100 | 114.9 | 126.3 | 125 | 150 |
| JHC60D5*J | 8HK(0,1)6500206 | 10 | 19.6 | 20.7 | 20 | 25 |
| | 8HK(0,1)6500506 | 20 | 30.4 | 32.7 | 35 | 35 |
| | 8HK(0,1)6500806 | 32 | 43.6 | 47.3 | 45 | 50 |
| | 8HK(0,1)6501006 | 40 | 52.0 | 56.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 73.7 | 80.5 | 80 | 90 |
| | 8HK(1,2)6502006 | 80 | 95.3 | 104.4 | 100 | 110 |
| | 8HK(1,2)6502506 | 100 | 116.9 | 128.3 | 125 | 150 |
| ① | <p>Note:</p> <ul style="list-style-type: none"> For electric heat kit model numbers in this table that include (0,1), 0 indicates no service disconnect or 1 indicates with service disconnect. For electric heat kit model numbers in this table that include (1,2) - 1 indicates with service disconnect and no breaker jumper bar or 2 indicates with service disconnect and breaker jumper bar. MOP = Maximum overcurrent protection device; must be HACR type circuit breaker or time delay fuse. Refer to the latest edition of the National Electric Code or in Canada the Canadian electrical Code and local codes to determine correct wire sizing. | | | | | |

Electrical data for multi-source power supply, 208/230-1-60

Table 18: Electrical data for multi-source power supply: 208/230-1-60

| Air handler model | Electric heat kit model | Heater amps (A) at 240 V | Minimum circuit ampacity (A) | | | | | | MOP (A) | | | | | |
|-------------------|-------------------------|--------------------------|------------------------------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|
| | | | 208 V | | | 230 V | | | 208 V | | | 230 V | | |
| | | | Circuit | | | Circuit | | | Circuit | | | Circuit | | |
| | | | First | Second | Third | First | Second | Third | First | Second | Third | First | Second | Third |
| JHC24B5*C | 8HK16501506 | 60 | 24.7 | 43.5 | — | 26.9 | 48.1 | — | 25 | 45 | — | 30 | 50 | — |
| JHC36B5*D | 8HK16501506 | 60 | 26.2 | 43.5 | — | 28.4 | 48.1 | — | 30 | 45 | — | 30 | 50 | — |
| | 8HK16502006 | 80 | 48.0 | 43.3 | — | 52.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| JHC36C5*D | 8HK16501506 | 60 | 26.2 | 43.5 | — | 28.4 | 48.1 | — | 30 | 45 | — | 30 | 50 | — |
| | 8HK16502006 | 80 | 48.0 | 43.3 | — | 52.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| JHC42C5*F | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 60 | 45 | — | 60 | 50 | — |
| JHC42D5*F | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 60 | 45 | — | 60 | 50 | — |
| JHC48C5*G | 8HK16501506 | 60 | 30.2 | 43.5 | — | 32.4 | 48.1 | — | 35 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 52.0 | 43.3 | — | 56.6 | 47.8 | — | 60 | 45 | — | 60 | 50 | — |
| JHC48D5*G | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| | 8HK16502506 | 100 | 50.0 | 43.3 | 21.6 | 54.6 | 47.8 | 23.9 | 60 | 45 | 25 | 60 | 50 | 25 |
| JHC60C5*H | 8HK16501506 | 60 | 30.2 | 43.5 | — | 32.4 | 48.1 | — | 35 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 52.0 | 43.3 | — | 56.6 | 47.8 | — | 60 | 45 | — | 60 | 50 | — |
| JHC60D5*H | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 60 | 45 | — | 60 | 50 | — |
| | 8HK16502506 | 100 | 50.0 | 43.3 | 21.6 | 54.6 | 47.8 | 23.9 | 60 | 45 | 25 | 60 | 50 | 25 |
| JHC60D5*J | 8HK16501506 | 60 | 30.2 | 43.5 | — | 32.4 | 48.1 | — | 35 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 52.0 | 43.3 | — | 56.6 | 47.8 | — | 60 | 45 | — | 60 | 50 | — |
| | 8HK16502506 | 100 | 52.0 | 43.3 | 21.6 | 56.6 | 47.8 | 23.9 | 60 | 45 | 25 | 60 | 50 | 25 |

Note:

- For electric heat kit model numbers in this table that include (0,1), 0 indicates no service disconnect or 1 indicates with service disconnect.
- For electric heat kit model numbers in this table that include (1,2) - 1 indicates with service disconnect and no breaker jumper bar or 2 indicates with service disconnect and breaker jumper bar.
- MOP = Maximum overcurrent protection device; must be HACR type circuit breaker or time delay fuse. Refer to the latest edition of the National Electric Code or in Canada the Canadian electrical Code and local codes to determine correct wire sizing.

Electrical data for single-source power supply, 208/230-3-60

Table 19: Electrical data for single-source power supply: 208/230-3-60

| Air handler model | Electric heat kit model | Heater amps (A) at 240 V | Field wiring | | | |
|-------------------|-------------------------|--------------------------|------------------------------|-------|---------|-------|
| | | | Minimum circuit ampacity (A) | | MOP (A) | |
| | | | 208 V | 230 V | 208 V | 230 V |
| JHC18B5*B | 8HK06501025 | 23.1 | 28.2 | 30.9 | 30 | 35 |
| JHC24B5*C | 8HK06501025 | 23.1 | 28.2 | 30.9 | 30 | 35 |
| | 8HK06501525 | 34.6 | 40.7 | 44.7 | 45 | 45 |
| JHC36B5*D | 8HK06501025 | 23.1 | 29.7 | 32.4 | 30 | 35 |
| | 8HK06501525 | 34.6 | 42.2 | 46.2 | 45 | 50 |
| | 8HK06502025 | 46.2 | 54.7 | 60.0 | 60 | 60 |
| JHC36C5*D | 8HK06501025 | 23.1 | 29.7 | 32.4 | 30 | 35 |
| | 8HK06501525 | 34.6 | 42.2 | 46.2 | 45 | 50 |
| | 8HK06502025 | 46.2 | 54.7 | 60.0 | 60 | 60 |
| JHC42C5*F | 8HK06501025 | 23.1 | 31.7 | 34.4 | 35 | 35 |
| | 8HK06501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 8HK0502025 | 46.2 | 56.7 | 62.0 | 60 | 70 |
| JHC42D5*F | 8HK06501025 | 23.1 | 31.7 | 34.4 | 35 | 35 |
| | 8HK06501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 8HK06502025 | 46.2 | 56.7 | 62.0 | 60 | 70 |
| JHC48C5*G | 8HK06501025 | 23.1 | 33.7 | 36.4 | 35 | 40 |
| | 8HK06501525 | 34.6 | 46.2 | 50.2 | 50 | 60 |
| | 8HK06502025 | 46.2 | 58.7 | 64.0 | 60 | 70 |
| JHC48D5*G | 8HK06501025 | 23.1 | 31.7 | 34.4 | 35 | 35 |
| | 8HK06501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 8HK06502025 | 46.2 | 56.7 | 62.0 | 60 | 70 |
| | 8HK06502525 | 57.7 | 69.2 | 75.8 | 70 | 80 |
| JHC60C5*H | 8HK06501025 | 23.1 | 33.7 | 36.4 | 35 | 40 |
| | 8HK06501525 | 34.6 | 46.2 | 50.2 | 50 | 60 |
| | 8HK06502025 | 46.2 | 58.7 | 64.0 | 60 | 70 |
| JHC60D5*H | 8HK06501025 | 23.1 | 31.7 | 34.4 | 35 | 35 |
| | 8HK06501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 8HK06502025 | 46.2 | 56.7 | 62.0 | 60 | 70 |
| | 8HK06502525 | 57.7 | 69.2 | 75.8 | 70 | 80 |
| JHC60D5*J | 8HK06501025 | 23.1 | 33.7 | 36.4 | 35 | 40 |
| | 8HK06501525 | 34.6 | 46.2 | 50.2 | 50 | 60 |
| | 8HK06502025 | 46.2 | 58.7 | 64.0 | 60 | 70 |
| | 8HK06502525 | 57.7 | 71.2 | 77.8 | 80 | 80 |

Note:

- MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. Refer to the latest edition of the National Electric Code or in Canada the Canadian electrical Code and local codes to determine correct wire sizing.
- For electric heat kit model numbers in this table that include (0,1), 0 indicates no service disconnect or 1 indicates with service disconnect. The 20 kW and 25 kW heater models (8HK16502025 and 8HK16502525) come with circuit breakers standard. Single-source power MCA and MOP requirements are given here only for reference if used with field-installed single point power modification.

Electrical data for multi-source power supply, 208/230-3-60

Table 20: Electrical data for multi-source power supply: 208/230-3-60

| Air handler model | Electric heat kit model | Heater amps (A) at 240 V | Minimum circuit ampacity (A) | | | | MOP (A) | | | |
|-------------------|-------------------------|--------------------------|------------------------------|--------|-------|--------|---------|--------|-------|--------|
| | | | 208 V | | 230 V | | 208 V | | 230 V | |
| | | | Circuit | | | | Circuit | | | |
| | | | First | Second | First | Second | First | Second | First | Second |
| JHC36B5*D | 8HK16502025 | 46.2 | 29.7 | 25.0 | 32.4 | 27.6 | 30 | 25 | 35 | 30 |
| JHC36C5*D | 8HK16502025 | 46.2 | 29.7 | 25.0 | 32.4 | 27.6 | 30 | 25 | 35 | 30 |
| JHC42C5*F | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| JHC42D5*F | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| JHC48C5*G | 8HK16502025 | 46.2 | 33.7 | 25.0 | 36.4 | 27.6 | 35 | 25 | 40 | 30 |
| JHC48D5*G | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| | 8HK16502525 | 57.7 | 38.0 | 31.2 | 41.3 | 34.5 | 40 | 35 | 45 | 35 |
| JHC60C5*H | 8HK16502025 | 46.2 | 33.7 | 25.0 | 36.4 | 27.6 | 35 | 25 | 40 | 30 |
| JHC60D5*H | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| | 8HK16502525 | 57.7 | 38.0 | 31.2 | 41.3 | 34.5 | 40 | 35 | 45 | 35 |
| JHC60D5*J | 8HK16502025 | 46.2 | 33.7 | 25.0 | 36.4 | 27.6 | 35 | 25 | 40 | 30 |
| | 8HK16502525 | 57.7 | 40.0 | 31.2 | 43.3 | 34.5 | 40 | 35 | 45 | 35 |

Note:

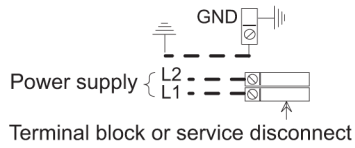
- The 20 kW and 25 kW heater models (8HK16502025 and 8HK16502525) come with circuit breakers standard.
- MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. Refer to the latest edition of the National Electric Code or in Canada the Canadian electrical Code and local codes to determine correct wire sizing.

Power wiring

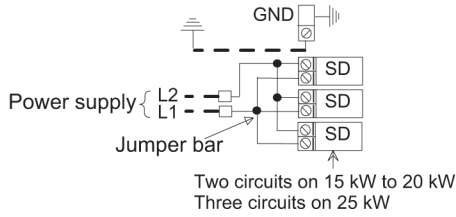
Figure 4: Power wiring - line connections

1 Phase Electric Heat Power Options:

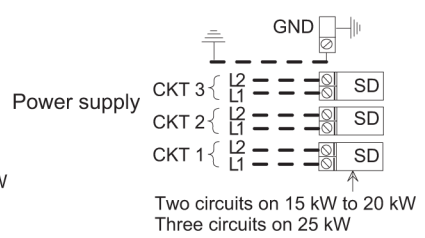
Single source power



Multi-source power with jumper bar

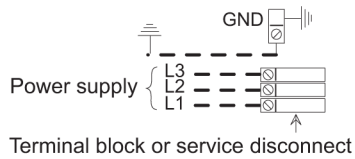


Multi-source power

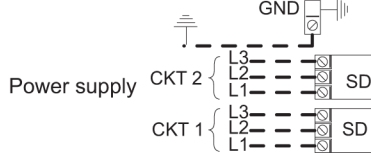


3 Phase Electric Heat Power Options:

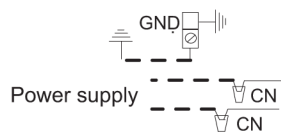
Single source power



Multi-source power



No Electric Heat:



Component Codes:

- GND - Ground lug
- SD - Service disconnect
- CKT - Circuit
- CN - Wire connector/nut
- - - Field power wiring (208/230 V)

A1699-001

Airflow data

Table 21: Airflow data JHC18 models to JHC42 models

| DIP switch | JHC18B5*B | | JHC24B5*C | | JHC36B5*D | | JHC36C5*D | | JHC42C5*F | | JHC42D5*F | |
|------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL |
| 000 | 575 | 400 | 700 | 475 | 800 | 550 | 825 | 600 | 1100 | 700 | 1125 | 675 |
| 001 | 625 | 450 | 725 | 525 | 900 | 600 | 900 | 650 | 1200 | 750 | 1225 | 875 |
| 010 | 675 | 475 | 800 | 575 | 975 | 650 | 1000 | 700 | 1300 | 800 | 1325 | 925 |
| 011 | 725 | 525 | 850 | 625 | 1075 | 700 | 1050 | 750 | 1400 | 850 | 1425 | 1000 |
| 100 | 775 | 550 | 925 | 650 | 1150 | 775 | 1150 | 825 | 1500 | 925 | 1550 | 1075 |
| 101 | 850 | 575 | 975 | 700 | 1250 | 825 | 1225 | 850 | 1625 | 975 | 1675 | 1150 |
| 110 | 900 | 625 | 1075 | 725 | 1325 | 900 | 1300 | 900 | 1725 | 1050 | 1775 | 1225 |
| 111 | 950 | 650 | 1100 | 775 | 1400 | 950 | 1350 | 950 | 1825 | 1100 | 1875 | 1275 |

Table 22: Airflow data for JHC48 models to JHC60 models

| DIP switch | JHC48C5*G | | JHC48D5*G | | JHC60C5*H | | JHC60D5*H | | JHC60D5*J | |
|------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL | HI COOL | LO COOL |
| 000 | 1150 | 725 | 1125 | 700 | 1400 | 975 | 1400 | 975 | 1375 | 925 |
| 001 | 1250 | 775 | 1225 | 875 | 1525 | 1075 | 1550 | 1075 | 1475 | 1050 |
| 010 | 1350 | 850 | 1325 | 925 | 1650 | 1150 | 1700 | 1150 | 1750 | 1125 |
| 011 | 1450 | 900 | 1425 | 1000 | 1800 | 1250 | 1850 | 1250 | 1875 | 1225 |
| 100 | 1575 | 975 | 1550 | 1075 | 1925 | 1350 | 2000 | 1350 | 2000 | 1350 |
| 101 | 1675 | 1025 | 1675 | 1150 | 2050 | 1425 | 2125 | 1425 | 2000 | 1400 |
| 110 | 1775 | 1100 | 1800 | 1225 | 2050 | 1525 | 2125 | 1550 | 2000 | 1475 |
| 111 | 1875 | 1150 | 1900 | 1275 | 2050 | 1600 | 2125 | 1650 | 2000 | 1575 |

Note:

- Air handler units have been tested to UL 60335-2-40 / CSA 22.2 No. 236 standards up to 0.60 in. W.C. external static pressure.
- Dry coil conditions only, tested without filters.
- For optimal performance, external static pressures of 0.2 in. to 0.5 in. are recommended. Heating applications tested at 0.50 in. W.C. esp. Above 0.5 in. CFM is reduced by 2% per 0.1 in. increase in static.
- Low speed cooling is used only with two-stage outdoor units.
- Dehumidification speed is 85% of the selected High speed COOL.
- When operating in both heat pump and electric heat modes, the airflow (CFM) will be whichever speed is greater.
- At some settings, LOW COOL and/or LOW HEAT airflow may be lower than what is required to operate an airflow switch on certain models of electronic air cleaners. Consult the instructions for the electronic air cleaner for further details.
- Airflow (CFM) indicator light (LED2) flashes once for every 100 CFM. for example, 12 flashes is 1200 CFM. Blinks are approximate +/- 10% of actual CFM.