

# Luxaire Technical Guide: JHE Series

Standard ECM Single Piece Multi-position Air Handlers -  
208/230 V - Single-Phase and Three-Phase



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

6523677-LTG-B-0824

Supersedes: 6523677-LTG-A-0624

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## Description

The single piece air handler series provides the flexibility for installation in 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 2.5 kW to 25 kW and 208/230 V three phase kits are available from 10 kW to 25 kW. An R-454B refrigerant detection system (RDS) is factory installed.

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## Certification



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

# Features

## **Next generation high-efficiency blower**

Delivers increased airflow and reduced blower watts by 10%, using a standard ECM motor.

## **Two-stage operation**

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

## **Next generation insulation and gasket design**

Reduces thermal transmission paths and reduces sweating.

## **Nine speed standard ECM blower motor**

Provides increased system compatibility.

## **Electric heat kit**

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

## **Designed for easy installation and service**

A casing size of 20.5 in., smooth sides, and rigid construction provide ease of attic access and tight applications. Front facing components, slide out blower, laser cut knock outs and integrated duct flanges shorten install time.

## **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 postpowder painted steel or galvanized steel to prevent corrosion.

## **A2L refrigerant ready**

An R-454B refrigerant detection system (RDS) 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 |

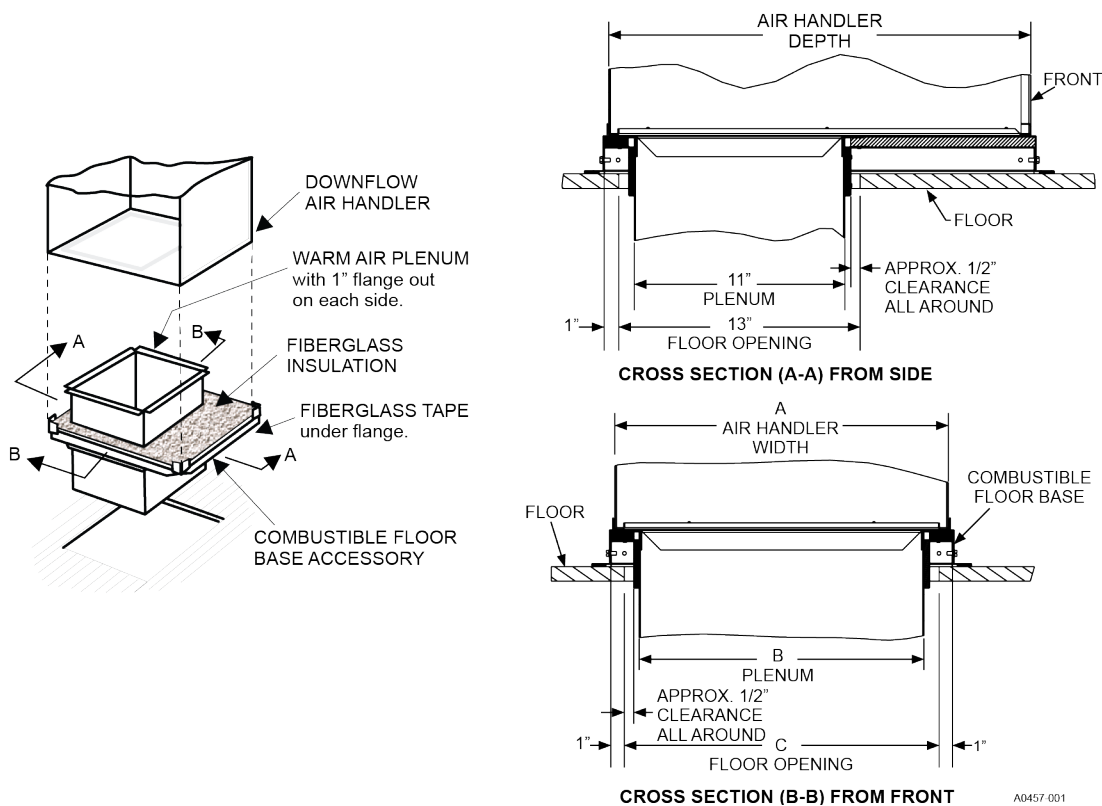
## Electric heaters

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 positions 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, circuit breaker, cover seal may be ordered.

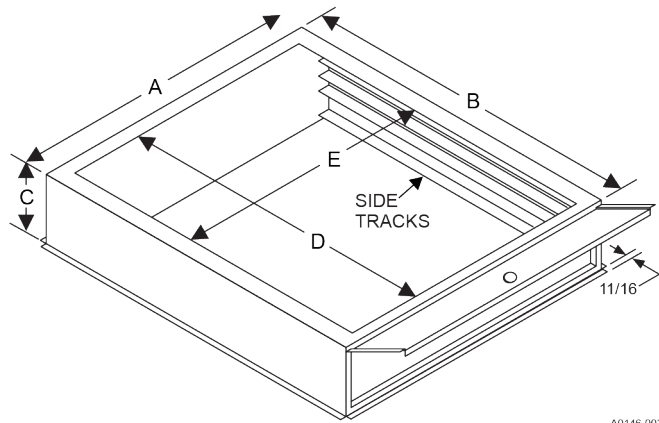
## Thermostat

Compatible thermostat controls are available through accessory sourcing. For optimum performance, these indoor units are fully compatible with our YORK touch screen thermostat with proprietary (patent-pending) hexagon interface. For more information, see the thermostat section of the Product Equipment Catalog.

## 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**



**Table 2: Filter rack dimensions**

| Galvanised model                           | A    | B     | 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 |
| ① <b>Note:</b> The filter is not supplied. |      |       |   |       |       |                  |

# Nomenclature

**Table 3: Nomenclature for JHE air handler models**

| 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      | R454B                    |
| 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)<br>not used for ordering | A      | Style A                  |
|        |                                                        | B      | Style B                  |
|        |                                                        | C      | Style C                  |
|        |                                                        | D      | Style D                  |

**Table 4: Model nomenclature example**

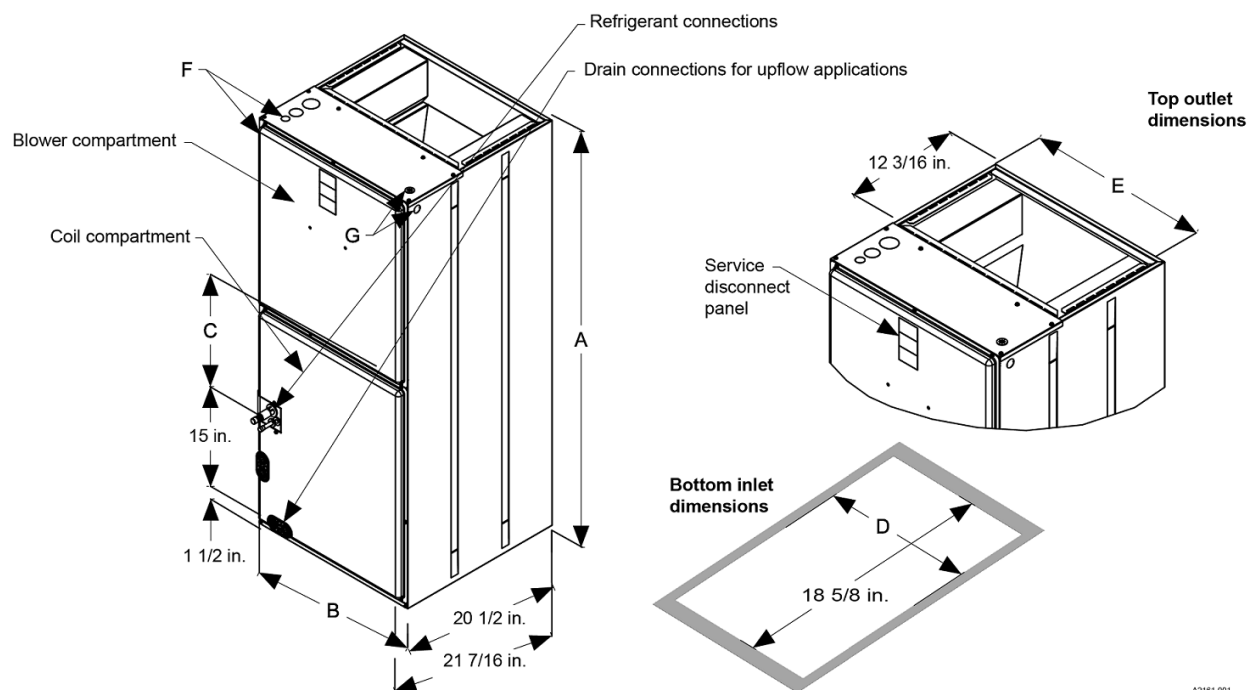
| Number | 1 | 2 | 3 | 4, 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--------|---|---|---|------|---|---|---|---|----|----|----|----|----|
| Option | J | H | E | 18   | B | 5 | A | B | 2  | S  | S  | 1  | A  |

**Example:**

The JHE18B5AB2SS1A is a one piece air handler using constant torque. It is a 1.5 ton model with a cabinet width of 17.5 in. It uses R-454B refrigerant, has a TXV, a slab size of 2R-16-18 and uses 208/230-1-60 voltage. This conventional air handler has an A2L sensor and is a first generation, Style-A model.

# Dimensions

**Figure 3: Dimensions and duct connection dimensions**



A2161-001

**Table 5: Dimensions**

| Model             | Dimensions      |             |                     |        |        | Wiring knockouts<br>(actual conduit size) |                  | Refrigerant<br>Connections Line Size |             |
|-------------------|-----------------|-------------|---------------------|--------|--------|-------------------------------------------|------------------|--------------------------------------|-------------|
|                   | A               | B           | C                   | D      | E      | F                                         | G                | Liquid (in.)                         | Vapor (in.) |
|                   | Height<br>(in.) | Width (in.) | Opening width (in.) |        |        | Power (in.)                               | Control<br>(in.) |                                      |             |
| JHE18B5*B<br>2SS1 | 45 5/8          | 17 1/2      | 7 1/2               | 16 1/2 | 16 1/2 | 7/8 (1/2)                                 | 7/8 (1/2)        | 3/8                                  | 3/4         |
| JHE24B5*C<br>2SS1 | 48 3/8          | 17 1/2      | 10                  | 16 1/2 | 16 1/2 | 1 3/8 (1)                                 |                  |                                      |             |
| JHE30B5*D<br>2SS1 | 48 3/8          | 17 1/2      | 10                  | 16 1/2 | 16 1/2 | 1 23/32 (1<br>1/4)                        |                  |                                      |             |
| JHE36B5*D<br>2SS1 | 48 3/8          | 17 1/2      | 10                  | 16 1/2 | 16 1/2 |                                           |                  |                                      |             |
| JHE36C5*D<br>2SS1 | 49 5/8          | 21          | 11 1/2              | 20     | 20     |                                           |                  |                                      |             |
| JHE42C5*F2<br>SS1 | 55 5/8          | 21          | 17 1/2              | 20     | 20     |                                           |                  |                                      |             |
| JHE48C5*G<br>2SS1 | 60              | 21          | 21 3/4              | 20     | 20     |                                           |                  |                                      |             |
| JHE48D5*G<br>2SS1 | 60              | 24 1/2      | 21 3/4              | 23 1/2 | 23 1/2 |                                           |                  |                                      |             |
| JHE60C5*H<br>2SS1 | 61 6/8          | 21          | 23 1/2              | 20     | 20     |                                           |                  |                                      |             |
| JHE60D5*H<br>2SS1 | 61 6/8          | 24 1/2      | 23 1/2              | 23 1/2 | 23 1/2 |                                           |                  |                                      |             |
| JHE60D5*J2<br>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 type | Face area (sq. ft.) | Rows deep | Fins per in. | Coil size   | Tube geometry | Tube diameter | Fin type |
|---------------|--------------------|-----------------------------|---------------------|-----------|--------------|-------------|---------------|---------------|----------|
| JHE18B5AB2SS1 | Cooling /Heat Pump | Sweat                       | 3.8                 | 2         | 18           | (2) 16 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE24B5AC2SS1 | Cooling /Heat Pump | Sweat                       | 4.7                 | 2         | 18           | (2) 20 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE30B5AD2SS1 | Cooling /Heat Pump | Sweat                       | 4.7                 | 3         | 14           | (2) 20 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE36B5AD2SS1 | Cooling /Heat Pump | Sweat                       | 4.7                 | 3         | 14           | (2) 20 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE36B5CD2SS1 | Cooling /Heat Pump | Sweat                       | 4.7                 | 3         | 14           | (2) 20 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE36C5AD2SS1 | Cooling /Heat Pump | Sweat                       | 4.7                 | 3         | 14           | (2) 20 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE36C5CD2SS1 | Cooling /Heat Pump | Sweat                       | 4.7                 | 3         | 14           | (2) 20 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE42C5AF2SS1 | Cooling /Heat Pump | Sweat                       | 5.7                 | 3         | 12           | (2) 24 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE42C5CF2SS1 | Cooling /Heat Pump | Sweat                       | 5.7                 | 3         | 12           | (2) 24 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE48C5CG2SS1 | Cooling /Heat Pump | Sweat                       | 6.6                 | 3         | 12           | (2) 28 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE48D5CG2SS1 | Cooling /Heat Pump | Sweat                       | 6.6                 | 3         | 12           | (2) 28 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE60C5CH2SS1 | Cooling /Heat Pump | Sweat                       | 7.6                 | 3         | 12           | (2) 32 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE60D5CH2SS1 | Cooling /Heat Pump | Sweat                       | 7.6                 | 3         | 12           | (2) 32 x 17 | 1 x 0.675     | 3/8           | Lanced   |
| JHE60D5CJ2SS1 | 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**

| Models                                                                                           | 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 |
| JHE18B5*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     |
| JHE24B5*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     |
| JHE30B5*D                                                                                        | 1000                                                                                                                                                                                                                                                                                                                   | 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     |
| JHE36B5*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     |
| JHE36C5*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     |
| JHE42C5*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     |
| JHE48C5*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     |
| JHE48D5*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     |
| JHE60C5*H                                                                                        | 1600                                                                                                                                                                                                                                                                                                                   | 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     |
| JHE60D5*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     |
| JHE60D5*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     |
|  <b>Note:</b> | <ul style="list-style-type: none"><li>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.</li><li>Airflow is calculated for each system tonnage.</li></ul> |                                     |                                                                            |          |          |          |

## Physical and electrical data

**Table 8: Physical and electrical data - cooling only**

| Model                                          |                | JHE18B5<br>*B           | JHE24B5<br>*C  | JHE30B5<br>*D  | JHE36B5<br>*D  | JHE36C5<br>*D  | JHE42C5<br>*F  | JHE48C5<br>*G  | JHE48D5<br>*G  | JHE60C5<br>*H  | JHE60D5<br>*H  | JHE60D5<br>*J  |
|------------------------------------------------|----------------|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Blower - diameter<br>x width                   |                | 11 x 8                  | 11 x 8         | 11 x 8         | 11 x 8         | 11 x 10        | 11 x 10        | 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         | 1/2 HP         | 1/2 HP         | 3/4 HP         | 3/4 HP         | 3/4 HP         | 3/4 HP         | 3/4 HP         |
|                                                | Nominal<br>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<br>230 V                     |                | 3.1                     | 3.1            | 4.8            | 4.8            | 4.8            | 4.8            | 6.8            | 6.8            | 6.8            | 6.8            | 6.8            |
| Filter                                         | Type           | Disposable or cleanable |                |                |                |                |                |                |                |                |                |                |
|                                                | Size           | 16 x 20<br>x 1          | 16 x 20<br>x 1 | 16 x 20<br>x 1 | 20 x 20<br>x 1 | 20 x 20<br>x 1 | 20 x 20<br>x 1 | 20 x 20<br>x 1 | 23 x 20<br>x 1 | 20 x 20<br>x 1 | 23 x 20<br>x 1 | 23 x 20<br>x 1 |
| Shipping weight /<br>Operating weight<br>(lb.) |                | 98/90                   | 104/96         | 105/97         | 105/97         | 121/111        | 132/122        | 140/129        | 152/140        | 153/141        | 158/146        | 162/150        |
| <b>Note:</b> The filter is field supplied.     |                |                         |                |                |                |                |                |                |                |                |                |                |

## Electrical data - cooling only

**Table 9: Electrical data - cooling only**

| Model                                                                                                                                                                                                                                                                                  | Motor full load amps | Minimum circuit ampacity | MOP |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------|-----|
| JHE18B5*B/JHE24B5*C                                                                                                                                                                                                                                                                    | 3.1                  | 3.9                      | 15  |
| JHE30B5*D/JHE36B5*D/<br>JHE36C5*D/JHE42C5*F                                                                                                                                                                                                                                            | 4.8                  | 6.0                      | 15  |
| JHE48C5*G/JHE48D5*G/<br>JHE60C5*H/JHE60D5*H/<br>JHE60D5*J                                                                                                                                                                                                                              | 6.8                  | 8.5                      | 15  |
| <b>Note:</b> 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 speed**

| Heater Kit Models                                                                                                                                                                                                                                     | Nom. kW at 240V | Air Handler Models |            |            |            |            |            |            |            |            |            |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                                                                                                                                                                                                                                       |                 | JHE18B 5*B         | JHE24B 5*C | JHE30B 5*D | JHE36B 5*D | JHE36C 5*D | JHE42C 5*F | JHE48C 5*G | JHE48D 5*G | JHE60C 5*H | JHE60D 5*H | JHE60D 5*J |
| 8HK(0,1)6500206                                                                                                                                                                                                                                       | 2.4kW           | 5                  | 6          | 6          | 6          | 6          | 6          | 5          | 6          | 5          | 5          | 5          |
| 8HK(0,1)6500506                                                                                                                                                                                                                                       | 4.8kW           | 7                  | 6          | 6          | 6          | 6          | 6          | 5          | 6          | 5          | 5          | 5          |
| 8HK(0,1)6500806                                                                                                                                                                                                                                       | 7.7kW           | 8                  | 7          | 6          | 8          | 8          | 8          | 6          | 7          | 6          | 6          | 5          |
| 8HK(0,1)6501006<br>8HK06501025                                                                                                                                                                                                                        | 9.6kW           | 8                  | 7          | 6          | 8          | 8          | 8          | 6          | 7          | 8          | 6          | 5          |
| 8HK(1,2)6501506<br>8HK06501525                                                                                                                                                                                                                        | 14.4kW          | —                  | 7          | 7          | 8          | 8          | 8          | 6          | 7          | 8          | 8          | 7          |
| 8HK(1,2)6502006<br>8HK16502025                                                                                                                                                                                                                        | 19.2kW          | —                  | —          | 7          | 8          | 9          | 9          | 8          | 7          | 8          | 8          | 7          |
| 8HK(1,2)6502506<br>8HK16502525                                                                                                                                                                                                                        | 24kW            | —                  | —          | —          | —          | —          | —          | —          | —          | —          | 8          | 7          |
| <b>① Note:</b> <ul style="list-style-type: none"> <li>(0,1) 0 = No service disconnect. 1 = with service disconnect.</li> <li>(1,2) 1 = with service disconnect, no breaker jumper bar. 2 = with service disconnect and breaker jumper bar.</li> </ul> |                 |                    |            |            |            |            |            |            |            |            |            |            |

## 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 11: Voltage limits**

| Air handler voltage                                                                                              | Normal operating voltage range |
|------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 208/230-1-60                                                                                                     | 187-253                        |
| <b>① Note:</b> Normal operating voltage range is rated in accordance with ARI standard 110, utilization range A. |                                |

**Table 12: 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 13: 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              |

- ① 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 14](#).

# Electric heat performance data

**Table 14: Electric heat performance data: 208/230-1-60 and 208/230-3-60**

| Heater model                                                                                                                                                                                                                                                                                                                  |                     | Nominal<br>kW at 240<br>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<br>phase                                                                                                                                                                                                                                                                                                               | 8HK(0,1)65<br>00206 | 2.4                       | 1.8        | 2.2   | 6.2   | 7.5   | 1.8        | 2.2   | 1.8       | 2.2   |
|                                                                                                                                                                                                                                                                                                                               | 8HK(0,1)65<br>00506 | 4.8                       | 3.6        | 4.4   | 12.3  | 15    | 3.6        | 4.4   | 3.6       | 4.4   |
|                                                                                                                                                                                                                                                                                                                               | 8HK(0,1)65<br>00806 | 7.7                       | 5.8        | 7.1   | 19.7  | 24.1  | 5.8        | 7.1   | 5.8       | 7.1   |
|                                                                                                                                                                                                                                                                                                                               | 8HK(0,1)65<br>01006 | 9.6                       | 7.2        | 8.8   | 24.6  | 30.1  | 7.2        | 8.8   | 7.2       | 8.8   |
|                                                                                                                                                                                                                                                                                                                               | 8HK(1,2)65<br>01506 | 14.4                      | 10.8       | 13.2  | 36.9  | 45.1  | 3.6        | 4.4   | 10.8      | 13.2  |
|                                                                                                                                                                                                                                                                                                                               | 8HK(1,2)65<br>02006 | 19.2                      | 14.4       | 17.6  | 49.2  | 60.2  | 7.2        | 8.8   | 14.4      | 17.6  |
|                                                                                                                                                                                                                                                                                                                               | 8HK(1,2)65<br>02506 | 24                        | 18         | 22    | 61.5  | 75.2  | 7.2        | 8.8   | 18        | 22    |
| Three<br>phase                                                                                                                                                                                                                                                                                                                | 8HK06501<br>025     | 9.6                       | 7.2        | 8.8   | 24.6  | 30.1  | 7.2        | 8.8   | 7.2       | 8.8   |
|                                                                                                                                                                                                                                                                                                                               | 8HK06501<br>525     | 14.4                      | 10.8       | 13.2  | 36.9  | 45.1  | 10.8       | 13.2  | 10.8      | 13.2  |
|                                                                                                                                                                                                                                                                                                                               | 8HK16502<br>025     | 19.2                      | 14.4       | 17.6  | 49.2  | 60.2  | 7.2        | 8.8   | 14.4      | 17.6  |
|                                                                                                                                                                                                                                                                                                                               | 8HK16502<br>525     | 24                        | 18         | 22    | 61.5  | 75.2  | 9          | 11    | 18        | 22    |
| <b>Note:</b> <ul style="list-style-type: none"> <li>(0,1) 0 = No service disconnect. 1 = with service disconnect.</li> <li>(1,2) 1 = with service disconnect, no breaker jumper bar. 2 = with service disconnect and breaker jumper bar.</li> <li>For different power distributions, see <a href="#">Table 13</a>.</li> </ul> |                     |                           |            |       |       |       |            |       |           |       |

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

**Table 15: Electrical data for single source power supply: 208/230-1-60**

| Air handler model | Heater model    | Heater amps (A) at 240 V | Field wiring                 |       |         |       |
|-------------------|-----------------|--------------------------|------------------------------|-------|---------|-------|
|                   |                 |                          | Minimum circuit ampacity (A) |       | MOP (A) |       |
|                   |                 |                          | 208 V                        | 230 V | 208 V   | 230 V |
| JHE18B5*B         | 8HK(0,1)6500206 | 10.0                     | 14.7                         | 15.8  | 15      | 20    |
|                   | 8HK(0,1)6500506 | 20.0                     | 25.5                         | 27.8  | 30      | 30    |
|                   | 8HK(0,1)6500806 | 32.1                     | 38.7                         | 42.5  | 40      | 45    |
|                   | 8HK(0,1)6501006 | 40.0                     | 47.1                         | 51.7  | 50      | 60    |
| JHE24B5*C         | 8HK(0,1)6500206 | 10.0                     | 14.7                         | 15.8  | 15      | 20    |
|                   | 8HK(0,1)6500506 | 20.0                     | 25.5                         | 27.8  | 30      | 30    |
|                   | 8HK(0,1)6500806 | 32.1                     | 38.7                         | 42.5  | 40      | 45    |
|                   | 8HK(0,1)6501006 | 40.0                     | 47.1                         | 51.7  | 50      | 60    |
|                   | 8HK(1,2)6501506 | 60.0                     | 68.8                         | 75.6  | 70      | 80    |
| JHE30B5*D         | 8HK(0,1)6500206 | 10.0                     | 16.8                         | 18.0  | 20      | 20    |
|                   | 8HK(0,1)6500506 | 20.0                     | 27.6                         | 29.9  | 30      | 30    |
|                   | 8HK(0,1)6500806 | 32.1                     | 40.9                         | 44.6  | 45      | 45    |
|                   | 8HK(0,1)6501006 | 40.0                     | 49.3                         | 53.8  | 50      | 60    |
|                   | 8HK(1,2)6501506 | 60.0                     | 70.9                         | 77.7  | 80      | 80    |
|                   | 8HK(1,2)6502006 | 80.0                     | 92.5                         | 101.7 | 100     | 110   |
| JHE36B5*D         | 8HK(0,1)6500206 | 10.0                     | 16.8                         | 18.0  | 20      | 20    |
|                   | 8HK(0,1)6500506 | 20.0                     | 27.6                         | 29.9  | 30      | 30    |
|                   | 8HK(0,1)6500806 | 32.1                     | 40.9                         | 44.6  | 45      | 45    |
|                   | 8HK(0,1)6501006 | 40.0                     | 49.3                         | 53.8  | 50      | 60    |
|                   | 8HK(1,2)6501506 | 60.0                     | 70.9                         | 77.7  | 80      | 80    |
|                   | 8HK(1,2)6502006 | 80.0                     | 92.5                         | 101.7 | 100     | 110   |
| JHE36C5*D         | 8HK(0,1)6500206 | 10.0                     | 16.8                         | 18.0  | 20      | 20    |
|                   | 8HK(0,1)6500506 | 20.0                     | 27.6                         | 29.9  | 30      | 30    |
|                   | 8HK(0,1)6500806 | 32.1                     | 40.9                         | 44.6  | 45      | 45    |
|                   | 8HK(0,1)6501006 | 40.0                     | 49.3                         | 53.8  | 50      | 60    |
|                   | 8HK(1,2)6501506 | 60.0                     | 70.9                         | 77.7  | 80      | 80    |
|                   | 8HK(1,2)6502006 | 80.0                     | 92.5                         | 101.7 | 100     | 110   |
| JHE42C5*F         | 8HK(0,1)6500206 | 10.0                     | 16.8                         | 18.0  | 20      | 20    |
|                   | 8HK(0,1)6500506 | 20.0                     | 27.6                         | 29.9  | 30      | 30    |
|                   | 8HK(0,1)6500806 | 32.1                     | 40.9                         | 44.6  | 45.0    | 45.0  |
|                   | 8HK(0,1)6501006 | 40.0                     | 49.3                         | 53.8  | 50.0    | 60.0  |
|                   | 8HK(1,2)6501506 | 60.0                     | 70.9                         | 77.7  | 80.0    | 80.0  |
|                   | 8HK(1,2)6502006 | 80.0                     | 92.5                         | 101.7 | 100.0   | 110.0 |
| JHE48C5*G         | 8HK(0,1)6500206 | 10.0                     | 19.3                         | 20.5  | 20.0    | 25.0  |
|                   | 8HK(0,1)6500506 | 20.0                     | 30.1                         | 32.4  | 35.0    | 35.0  |
|                   | 8HK(0,1)6500806 | 32.1                     | 43.4                         | 47.1  | 45.0    | 50.0  |
|                   | 8HK(0,1)6501006 | 40.0                     | 51.8                         | 56.3  | 60.0    | 60.0  |
|                   | 8HK(1,2)6501506 | 60.0                     | 73.4                         | 80.2  | 80.0    | 90.0  |
|                   | 8HK(1,2)6502006 | 80.0                     | 95.0                         | 104.2 | 100.0   | 110.0 |
| JHE48D5*G         | 8HK(0,1)6500206 | 10.0                     | 19.3                         | 20.5  | 20.0    | 25.0  |
|                   | 8HK(0,1)6500506 | 20.0                     | 30.1                         | 32.4  | 35.0    | 35.0  |
|                   | 8HK(0,1)6500806 | 32.1                     | 43.4                         | 47.1  | 45.0    | 50.0  |
|                   | 8HK(0,1)6501006 | 40.0                     | 51.8                         | 56.3  | 60.0    | 60.0  |
|                   | 8HK(1,2)6501506 | 60.0                     | 73.4                         | 80.2  | 80.0    | 90.0  |
|                   | 8HK(1,2)6502006 | 80.0                     | 95.0                         | 104.2 | 100.0   | 110.0 |
| JHE60C5*H         | 8HK(0,1)6500206 | 10.0                     | 19.3                         | 20.5  | 20.0    | 25.0  |
|                   | 8HK(0,1)6500506 | 20.0                     | 30.1                         | 32.4  | 35.0    | 35.0  |
|                   | 8HK(0,1)6500806 | 32.1                     | 43.4                         | 47.1  | 45.0    | 50.0  |
|                   | 8HK(0,1)6501006 | 40.0                     | 51.8                         | 56.3  | 60.0    | 60.0  |
|                   | 8HK(1,2)6501506 | 60.0                     | 73.4                         | 80.2  | 80.0    | 90.0  |
|                   | 8HK(1,2)6502006 | 80.0                     | 95.0                         | 104.2 | 100.0   | 110.0 |

**Table 15: Electrical data for single source power supply: 208/230-1-60**

| Air handler model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Heater model    | Heater amps (A) at 240 V | Field wiring                 |       |         |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|------------------------------|-------|---------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                          | Minimum circuit ampacity (A) |       | MOP (A) |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                          | 208 V                        | 230 V | 208 V   | 230 V |
| JHE60D5*H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK(0,1)6500206 | 10.0                     | 19.3                         | 20.5  | 20.0    | 25.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(0,1)6500506 | 20.0                     | 30.1                         | 32.4  | 35.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(0,1)6500806 | 32.1                     | 43.4                         | 47.1  | 45.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(0,1)6501006 | 40.0                     | 51.8                         | 56.3  | 60.0    | 60.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(1,2)6501506 | 60.0                     | 73.4                         | 80.2  | 80.0    | 90.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(1,2)6502006 | 80.0                     | 95.0                         | 104.2 | 100.0   | 110.0 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(1,2)6502506 | 100.0                    | 116.7                        | 128.1 | 125.0   | 150.0 |
| JHE60D5*J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK(0,1)6500206 | 10.0                     | 19.3                         | 20.5  | 20.0    | 25.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(0,1)6500506 | 20.0                     | 30.1                         | 32.4  | 35.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(0,1)6500806 | 32.1                     | 43.4                         | 47.1  | 45.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(0,1)6501006 | 40.0                     | 51.8                         | 56.3  | 60.0    | 60.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(1,2)6501506 | 60.0                     | 73.4                         | 80.2  | 80.0    | 90.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(1,2)6502006 | 80.0                     | 95.0                         | 104.2 | 100.0   | 110.0 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK(1,2)6502506 | 100.0                    | 116.7                        | 128.1 | 125.0   | 150.0 |
| <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>(0,1) 0 = No service disconnect. 1 = with service disconnect.</li> <li>(1,2) 1 = with service disconnect, no breaker jumper bar. 2 = with service disconnect and breaker jumper bar.</li> <li>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.</li> </ul> |                 |                          |                              |       |         |       |

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

**Table 16: Electrical data for multi-source power supply: 208/230-1-60**

| Air handler model | Heater 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 | Third | First | Second | Third | First   | Second | Third | First | Second | Third |
| JHE24B5*C         | 8HK165 01506 | 60                       | 25.3                         | 43.5   | —     | 27.5  | 48.1   | —     | 30      | 45     | —     | 30    | 50     | —     |
| JHE30B5*D         | 8HK165 01506 | 60                       | 27.4                         | 43.5   | —     | 29.7  | 48.1   | —     | 30      | 45     | —     | 30    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 49.3                         | 43.3   | —     | 53.8  | 47.8   | —     | 50      | 45     | —     | 60    | 50     | —     |
| JHE36B5*D         | 8HK165 01506 | 60                       | 27.4                         | 43.5   | —     | 29.7  | 48.1   | —     | 30      | 45     | —     | 30    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 49.3                         | 43.3   | —     | 53.8  | 47.8   | —     | 50      | 45     | —     | 60    | 50     | —     |
| JHE36C5*D         | 8HK165 01506 | 60                       | 27.4                         | 43.5   | —     | 29.7  | 48.1   | —     | 30      | 45     | —     | 30    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 49.3                         | 43.3   | —     | 53.8  | 47.8   | —     | 50      | 45     | —     | 60    | 50     | —     |
| JHE42C5*F         | 8HK165 01506 | 60                       | 27.4                         | 43.5   | —     | 29.7  | 48.1   | —     | 30      | 45     | —     | 30    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 49.3                         | 43.3   | —     | 53.8  | 47.8   | —     | 50      | 45     | —     | 60    | 50     | —     |
| JHE48C5*G         | 8HK165 01506 | 60                       | 29.9                         | 43.5   | —     | 32.2  | 48.1   | —     | 30      | 45     | —     | 35    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 51.8                         | 43.3   | —     | 56.3  | 47.8   | —     | 60      | 45     | —     | 60    | 50     | —     |
| JHE48D5*G         | 8HK165 01506 | 60                       | 29.9                         | 43.5   | —     | 32.2  | 48.1   | —     | 30      | 45     | —     | 35    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 51.8                         | 43.3   | —     | 56.3  | 47.8   | —     | 60      | 45     | —     | 60    | 50     | —     |
| JHE60C5*H         | 8HK165 01506 | 60                       | 29.9                         | 43.5   | —     | 32.2  | 48.1   | —     | 30      | 45     | —     | 35    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 51.8                         | 43.3   | —     | 56.3  | 47.8   | —     | 60      | 45     | —     | 60    | 50     | —     |
| JHE60D5*H         | 8HK165 01506 | 60                       | 29.9                         | 43.5   | —     | 32.2  | 48.1   | —     | 30      | 45     | —     | 35    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 51.8                         | 43.3   | —     | 56.3  | 47.8   | —     | 60      | 45     | —     | 60    | 50     | —     |
|                   | 8HK165 02506 | 100                      | 51.8                         | 43.3   | 21.6  | 56.3  | 47.8   | 23.9  | 60      | 45     | 25    | 60    | 50     | 25    |
| JHE60D5*J         | 8HK165 01506 | 60                       | 29.9                         | 43.5   | —     | 32.2  | 48.1   | —     | 30      | 45     | —     | 35    | 50     | —     |
|                   | 8HK165 02006 | 80                       | 51.8                         | 43.3   | —     | 56.3  | 47.8   | —     | 60      | 45     | —     | 60    | 50     | —     |
|                   | 8HK165 02506 | 100                      | 51.8                         | 43.3   | 21.6  | 56.3  | 47.8   | 23.9  | 60      | 45     | 25    | 60    | 50     | 25    |

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

**Table 17: Electrical data for single source power supply: 208/230-3-60**

| Air handler model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Heater model | Heater amps (A) at 240 V | Field wiring                 |       |         |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------|------------------------------|-------|---------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                          | Minimum circuit ampacity (A) |       | MOP (A) |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                          | 208 V                        | 230 V | 208 V   | 230 V |
| JHE18B5*B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 28.9                         | 31.5  | 30.0    | 35.0  |
| JHE24B5*C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 28.9                         | 31.5  | 30.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 41.3                         | 45.3  | 45.0    | 50.0  |
| JHE30B5*D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 31.0                         | 33.6  | 35.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 43.5                         | 47.4  | 45.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 56.0                         | 61.2  | 60.0    | 70.0  |
| JHE36B5*D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 31.0                         | 33.6  | 35.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 43.5                         | 47.4  | 45.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 56.0                         | 61.2  | 60.0    | 70.0  |
| JHE36C5*D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 31.0                         | 33.6  | 35.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 43.5                         | 47.4  | 45.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 56.0                         | 61.2  | 60.0    | 70.0  |
| JHE42C5*F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 31.0                         | 33.6  | 35.0    | 35.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 43.5                         | 47.4  | 45.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 56.0                         | 61.2  | 60.0    | 70.0  |
| JHE48C5*G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 33.5                         | 36.1  | 35.0    | 40.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 46.0                         | 49.9  | 50.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 58.5                         | 63.7  | 60.0    | 70.0  |
| JHE48D5*G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 33.5                         | 36.1  | 35.0    | 40.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 46.0                         | 49.9  | 50.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 58.5                         | 63.7  | 60.0    | 70.0  |
| JHE60C5*H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 33.5                         | 36.1  | 35.0    | 40.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 46.0                         | 49.9  | 50.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 58.5                         | 63.7  | 60.0    | 70.0  |
| JHE60D5*H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 33.5                         | 36.1  | 35.0    | 40.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 46.0                         | 49.9  | 50.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 58.5                         | 63.7  | 60.0    | 70.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502525  | 57.7                     | 71.0                         | 77.5  | 80.0    | 80.0  |
| JHE60D5*J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8HK06501025  | 23.1                     | 33.5                         | 36.1  | 35.0    | 40.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK06501525  | 34.6                     | 46.0                         | 49.9  | 50.0    | 50.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502025  | 46.2                     | 58.5                         | 63.7  | 60.0    | 70.0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8HK16502525  | 57.7                     | 71.0                         | 77.5  | 80.0    | 80.0  |
| <b>① Note:</b> <ul style="list-style-type: none"> <li>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.</li> <li>0 = No service disconnect. 1 = 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.</li> </ul> |              |                          |                              |       |         |       |

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

**Table 18: Electrical data for multi-source power supply: 208/230-3-60**

| Air handlers<br>model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Heater model | Heater amps<br>(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 |
| JHE36B5*D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 31.0                         | 25.0   | 33.6  | 27.6   | 35.0    | 25.0   | 35.0  | 30.0   |
| JHE36C5*D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 31.0                         | 25.0   | 33.6  | 27.6   | 35.0    | 25.0   | 35.0  | 30.0   |
| JHE42C5*F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 31.0                         | 25.0   | 33.6  | 27.6   | 35.0    | 25.0   | 35.0  | 30.0   |
| JHE48C5*G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 33.5                         | 25.0   | 36.1  | 27.6   | 35.0    | 25.0   | 40.0  | 30.0   |
| JHE48D5*G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 33.5                         | 25.0   | 36.1  | 27.6   | 35.0    | 25.0   | 40.0  | 30.0   |
| JHE60C5*H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 33.5                         | 25.0   | 36.1  | 27.6   | 35.0    | 25.0   | 40.0  | 30.0   |
| JHE60D5*H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 33.5                         | 25.0   | 36.1  | 27.6   | 35.0    | 25.0   | 40.0  | 30.0   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8HK16502525  | 57.7                        | 39.7                         | 31.2   | 43.0  | 34.5   | 40.0    | 35.0   | 45.0  | 35.0   |
| JHE60D5*J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8HK16502025  | 46.2                        | 33.5                         | 25.0   | 36.1  | 27.6   | 35.0    | 25.0   | 40.0  | 30.0   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8HK16502525  | 57.7                        | 39.7                         | 31.2   | 43.0  | 34.5   | 40.0    | 35.0   | 45.0  | 35.0   |
| <div><div><div><div><div><div></div><div></div></div></div><div><div></div></div><div><div><span>❶</span></div><div><b>Note:</b></div></div></div><div><div><div><div></div><div></div></div></div><div><div><div>The 20kW and 25kW heater models (8HK16502025 and 8HK16502525) come with circuit breakers standard.</div><div>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.</div></div></div></div></div></div> |              |                             |                              |        |       |        |         |        |       |        |

# Airflow data

**Table 19: Airflow data (CFM per watts)**

| Model     | Blower motor speed | Unit  | External static pressure (in. W.C.) |      |      |      |      |      |      |      |      |      |
|-----------|--------------------|-------|-------------------------------------|------|------|------|------|------|------|------|------|------|
|           |                    |       | 0.1                                 | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  | 1    |
| JHE18B5*B | 9                  | CFM   | 1000                                | 975  | 925  | 875  | 850  | 800  | 775  | 725  | 675  | 650  |
|           |                    | WATTS | 145                                 | 152  | 159  | 166  | 173  | 180  | 188  | 195  | 202  | 209  |
|           | 8                  | CFM   | 925                                 | 875  | 825  | 775  | 750  | 700  | 650  | 600  | 550  | 525  |
|           |                    | WATTS | 114                                 | 120  | 127  | 133  | 140  | 146  | 153  | 159  | 166  | 172  |
|           | 7                  | CFM   | 825                                 | 800  | 750  | 700  | 650  | 600  | 550  | 500  | 450  | 425  |
|           |                    | WATTS | 93                                  | 99   | 105  | 111  | 117  | 123  | 129  | 135  | 141  | 147  |
|           | 6                  | CFM   | 750                                 | 700  | 650  | 600  | 550  | 475  | 425  | 375  | 325  | 275  |
|           |                    | WATTS | 72                                  | 77   | 82   | 88   | 93   | 98   | 104  | 109  | 115  | 120  |
|           | 5                  | CFM   | 700                                 | 650  | 600  | 550  | 500  | 450  | 375  | 325  | 275  | 225  |
|           |                    | WATTS | 64                                  | 69   | 74   | 79   | 84   | 89   | 94   | 99   | 104  | 109  |
|           | 4                  | CFM   | 600                                 | 550  | 475  | 425  | 350  | 300  | 250  | 175  | 125  | —    |
|           |                    | WATTS | 47                                  | 51   | 56   | 60   | 65   | 69   | 74   | 78   | 83   | —    |
|           | 3                  | CFM   | 575                                 | 500  | 450  | 375  | 325  | 250  | 200  | 125  | —    | —    |
|           |                    | WATTS | 42                                  | 46   | 50   | 55   | 59   | 63   | 67   | 71   | —    | —    |
|           | 2                  | CFM   | 475                                 | 400  | 325  | 250  | 175  | 125  | 50   | —    | —    | —    |
|           |                    | WATTS | 31                                  | 35   | 39   | 42   | 46   | 50   | 54   | —    | —    | —    |
|           | 1                  | CFM   | 400                                 | 325  | 225  | 150  | —    | —    | —    | —    | —    | —    |
|           |                    | WATTS | 23                                  | 27   | 31   | 34   | —    | —    | —    | —    | —    | —    |
| JHE24B5*C | 9                  | CFM   | 1175                                | 1125 | 1100 | 1050 | 1025 | 1000 | 950  | 925  | 900  | 850  |
|           |                    | WATTS | 217                                 | 225  | 233  | 241  | 249  | 257  | 265  | 274  | 282  | 290  |
|           | 8                  | CFM   | 1075                                | 1025 | 1000 | 950  | 925  | 875  | 850  | 800  | 775  | 725  |
|           |                    | WATTS | 171                                 | 179  | 187  | 194  | 202  | 210  | 218  | 226  | 233  | 241  |
|           | 7                  | CFM   | 975                                 | 925  | 900  | 850  | 800  | 775  | 725  | 675  | 650  | 600  |
|           |                    | WATTS | 133                                 | 140  | 147  | 154  | 161  | 168  | 175  | 182  | 189  | 197  |
|           | 6                  | CFM   | 850                                 | 825  | 775  | 725  | 675  | 625  | 575  | 550  | 500  | 450  |
|           |                    | WATTS | 98                                  | 104  | 110  | 116  | 122  | 128  | 134  | 140  | 146  | 152  |
|           | 5                  | CFM   | 775                                 | 725  | 700  | 650  | 600  | 550  | 500  | 450  | 400  | 350  |
|           |                    | WATTS | 81                                  | 86   | 92   | 97   | 103  | 109  | 114  | 120  | 125  | 131  |
|           | 4                  | CFM   | 700                                 | 650  | 600  | 550  | 500  | 425  | 375  | 325  | 275  | 225  |
|           |                    | WATTS | 62                                  | 67   | 72   | 77   | 82   | 87   | 92   | 97   | 102  | 106  |
|           | 3                  | CFM   | 650                                 | 600  | 525  | 475  | 425  | 375  | 300  | 250  | 200  | —    |
|           |                    | WATTS | 53                                  | 57   | 62   | 66   | 71   | 75   | 80   | 85   | 89   | —    |
|           | 2                  | CFM   | 500                                 | 425  | 350  | 275  | 225  | 150  | —    | —    | —    | —    |
|           |                    | WATTS | 32                                  | 36   | 40   | 43   | 47   | 51   | —    | —    | —    | —    |
|           | 1                  | CFM   | 400                                 | 325  | 250  | 175  | —    | —    | —    | —    | —    | —    |
|           |                    | WATTS | 24                                  | 28   | 31   | 35   | —    | —    | —    | —    | —    | —    |
| JHE30B5*D | 9                  | CFM   | 1475                                | 1475 | 1450 | 1425 | 1425 | 1400 | 1375 | 1350 | 1325 | 1300 |
|           |                    | WATTS | 471                                 | 482  | 493  | 504  | 515  | 526  | 537  | 548  | 559  | 570  |
|           | 8                  | CFM   | 1325                                | 1300 | 1275 | 1250 | 1225 | 1200 | 1175 | 1150 | 1125 | 1100 |
|           |                    | WATTS | 320                                 | 330  | 340  | 350  | 360  | 370  | 380  | 390  | 400  | 410  |
|           | 7                  | CFM   | 1125                                | 1100 | 1075 | 1050 | 1025 | 1000 | 950  | 925  | 900  | 875  |
|           |                    | WATTS | 210                                 | 218  | 226  | 234  | 242  | 250  | 258  | 266  | 274  | 282  |
|           | 6                  | CFM   | 975                                 | 950  | 900  | 875  | 825  | 800  | 750  | 725  | 675  | 650  |
|           |                    | WATTS | 140                                 | 148  | 155  | 162  | 170  | 177  | 185  | 192  | 200  | 207  |
|           | 5                  | CFM   | 925                                 | 875  | 825  | 800  | 750  | 700  | 675  | 625  | 575  | 550  |
|           |                    | WATTS | 115                                 | 122  | 129  | 136  | 143  | 150  | 157  | 164  | 171  | 178  |
|           | 4                  | CFM   | 800                                 | 750  | 700  | 650  | 600  | 550  | 525  | 475  | 425  | 375  |
|           |                    | WATTS | 82                                  | 88   | 94   | 100  | 107  | 113  | 119  | 125  | 131  | 137  |
|           | 3                  | CFM   | 675                                 | 600  | 550  | 500  | 450  | 400  | 350  | 300  | —    | —    |
|           |                    | WATTS | 57                                  | 62   | 68   | 73   | 78   | 84   | 89   | 94   | —    | —    |
|           | 2                  | CFM   | 525                                 | 450  | 400  | 325  | 250  | 175  | —    | —    | —    | —    |
|           |                    | WATTS | 36                                  | 40   | 45   | 49   | 53   | 58   | —    | —    | —    | —    |
|           | 1                  | CFM   | 400                                 | 325  | 250  | 150  | —    | —    | —    | —    | —    | —    |
|           |                    | WATTS | 24                                  | 28   | 32   | 36   | —    | —    | —    | —    | —    | —    |

**Table 19: Airflow data (CFM per watts)**

| Model     | Blower motor speed | Unit  | External static pressure (in. W.C.) |      |      |      |      |      |      |      |      |      |
|-----------|--------------------|-------|-------------------------------------|------|------|------|------|------|------|------|------|------|
|           |                    |       | 0.1                                 | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  | 1    |
| JHE36B5*D | 9                  | CFM   | 1500                                | 1475 | 1450 | 1425 | 1400 | 1375 | 1375 | 1350 | 1325 | 1300 |
|           |                    | WATTS | 470                                 | 481  | 492  | 502  | 513  | 524  | 535  | 545  | 556  | 567  |
|           | 8                  | CFM   | 1325                                | 1300 | 1275 | 1250 | 1225 | 1200 | 1175 | 1150 | 1125 | 1100 |
|           |                    | WATTS | 323                                 | 333  | 343  | 353  | 363  | 373  | 383  | 393  | 403  | 413  |
|           | 7                  | CFM   | 1050                                | 1025 | 1000 | 950  | 925  | 900  | 850  | 825  | 800  | 750  |
|           |                    | WATTS | 175                                 | 182  | 190  | 198  | 205  | 213  | 221  | 228  | 236  | 244  |
|           | 6                  | CFM   | 950                                 | 925  | 875  | 850  | 800  | 750  | 725  | 675  | 650  | 600  |
|           |                    | WATTS | 130                                 | 137  | 144  | 151  | 158  | 165  | 172  | 180  | 187  | 194  |
|           | 5                  | CFM   | 800                                 | 750  | 700  | 650  | 600  | 550  | 525  | 475  | 425  | 375  |
|           |                    | WATTS | 87                                  | 93   | 99   | 105  | 111  | 117  | 124  | 130  | 136  | 142  |
|           | 4                  | CFM   | 950                                 | 925  | 875  | 850  | 800  | 775  | 725  | 700  | 650  | 600  |
|           |                    | WATTS | 144                                 | 151  | 158  | 165  | 172  | 179  | 186  | 193  | 200  | 207  |
|           | 3                  | CFM   | 725                                 | 675  | 625  | 575  | 525  | 475  | 425  | 375  | 325  | 275  |
|           |                    | WATTS | 68                                  | 73   | 79   | 84   | 90   | 95   | 101  | 107  | 112  | 118  |
|           | 2                  | CFM   | 475                                 | 400  | 350  | 275  | 200  | 125  | 75   | —    | —    | —    |
|           |                    | WATTS | 31                                  | 35   | 39   | 43   | 47   | 51   | 55   | —    | —    | —    |
|           | 1                  | CFM   | 400                                 | 325  | 250  | 175  | 100  | —    | —    | —    | —    | —    |
|           |                    | WATTS | 23                                  | 27   | 31   | 35   | 39   | —    | —    | —    | —    | —    |
| JHE36C5*D | 9                  | CFM   | 1525                                | 1500 | 1475 | 1425 | 1400 | 1375 | 1350 | 1325 | 1300 | 1250 |
|           |                    | WATTS | 363                                 | 376  | 389  | 403  | 416  | 429  | 443  | 456  | 470  | 483  |
|           | 8                  | CFM   | 1350                                | 1300 | 1275 | 1225 | 1200 | 1150 | 1125 | 1100 | 1050 | 1025 |
|           |                    | WATTS | 250                                 | 261  | 271  | 282  | 292  | 303  | 313  | 324  | 335  | 345  |
|           | 7                  | CFM   | 1175                                | 1150 | 1100 | 1050 | 1025 | 975  | 950  | 900  | 850  | 825  |
|           |                    | WATTS | 181                                 | 190  | 199  | 208  | 217  | 226  | 235  | 243  | 252  | 261  |
|           | 6                  | CFM   | 1075                                | 1025 | 975  | 925  | 875  | 850  | 800  | 750  | 700  | 650  |
|           |                    | WATTS | 139                                 | 147  | 155  | 163  | 171  | 179  | 187  | 195  | 203  | 211  |
|           | 5                  | CFM   | 925                                 | 875  | 825  | 775  | 725  | 675  | 625  | 575  | 525  | 450  |
|           |                    | WATTS | 99                                  | 106  | 112  | 119  | 126  | 133  | 140  | 147  | 154  | 160  |
|           | 4                  | CFM   | 800                                 | 750  | 675  | 625  | 550  | 500  | 450  | 375  | 325  | 250  |
|           |                    | WATTS | 70                                  | 76   | 82   | 88   | 94   | 100  | 106  | 112  | 118  | 124  |
|           | 3                  | CFM   | 725                                 | 650  | 600  | 525  | 475  | 400  | 325  | 275  | —    | —    |
|           |                    | WATTS | 57                                  | 62   | 68   | 74   | 79   | 85   | 91   | 96   | —    | —    |
|           | 2                  | CFM   | 475                                 | 400  | 300  | 225  | 125  | —    | —    | —    | —    | —    |
|           |                    | WATTS | 28                                  | 32   | 36   | 41   | 45   | —    | —    | —    | —    | —    |
|           | 1                  | CFM   | 400                                 | 300  | 200  | 75   | —    | —    | —    | —    | —    | —    |
|           |                    | WATTS | 22                                  | 26   | 29   | 33   | —    | —    | —    | —    | —    | —    |
| JHE42C5*F | 9                  | CFM   | 1525                                | 1500 | 1450 | 1425 | 1375 | 1350 | 1325 | 1275 | 1250 | 1200 |
|           |                    | WATTS | 325                                 | 337  | 349  | 360  | 372  | 384  | 395  | 407  | 419  | 430  |
|           | 8                  | CFM   | 1375                                | 1325 | 1300 | 1250 | 1200 | 1175 | 1125 | 1075 | 1025 | 1000 |
|           |                    | WATTS | 238                                 | 249  | 259  | 269  | 279  | 290  | 300  | 310  | 321  | 331  |
|           | 7                  | CFM   | 1225                                | 1175 | 1125 | 1075 | 1025 | 975  | 925  | 875  | 825  | 775  |
|           |                    | WATTS | 171                                 | 180  | 190  | 199  | 208  | 217  | 226  | 235  | 244  | 253  |
|           | 6                  | CFM   | 1050                                | 1000 | 950  | 900  | 850  | 800  | 750  | 675  | 625  | 575  |
|           |                    | WATTS | 127                                 | 135  | 142  | 150  | 158  | 165  | 173  | 180  | 188  | 195  |
|           | 5                  | CFM   | 925                                 | 850  | 800  | 750  | 700  | 650  | 575  | 525  | 475  | 425  |
|           |                    | WATTS | 95                                  | 102  | 108  | 115  | 121  | 128  | 134  | 141  | 148  | 154  |
|           | 4                  | CFM   | 800                                 | 750  | 675  | 600  | 550  | 475  | 425  | 350  | 300  | —    |
|           |                    | WATTS | 69                                  | 75   | 81   | 87   | 93   | 99   | 105  | 111  | 117  | —    |
|           | 3                  | CFM   | 750                                 | 650  | 575  | 500  | 425  | 350  | 275  | 200  | 100  | —    |
|           |                    | WATTS | 53                                  | 58   | 64   | 69   | 74   | 79   | 85   | 90   | 95   | —    |
|           | 2                  | CFM   | 625                                 | 550  | 475  | 400  | 300  | 225  | 150  | —    | —    | —    |
|           |                    | WATTS | 42                                  | 48   | 53   | 58   | 63   | 68   | 73   | —    | —    | —    |
|           | 1                  | CFM   | 450                                 | 350  | 250  | 150  | 50   | —    | —    | —    | —    | —    |
|           |                    | WATTS | 25                                  | 29   | 34   | 38   | 42   | —    | —    | —    | —    | —    |

**Table 19: Airflow data (CFM per watts)**

| Model     | Blower motor speed | Unit  | External static pressure (in. W.C.) |      |      |      |      |      |      |      |      |      |
|-----------|--------------------|-------|-------------------------------------|------|------|------|------|------|------|------|------|------|
|           |                    |       | 0.1                                 | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  | 1    |
| JHE48C5*G | 9                  | CFM   | 1925                                | 1900 | 1875 | 1850 | 1825 | 1800 | 1750 | 1725 | 1700 | 1675 |
|           |                    | WATTS | 626                                 | 638  | 650  | 662  | 674  | 686  | 698  | 710  | 722  | 734  |
|           | 8                  | CFM   | 1750                                | 1725 | 1700 | 1650 | 1625 | 1600 | 1575 | 1550 | 1525 | 1475 |
|           |                    | WATTS | 464                                 | 476  | 488  | 500  | 513  | 525  | 537  | 550  | 562  | 574  |
|           | 7                  | CFM   | 1500                                | 1475 | 1425 | 1400 | 1350 | 1325 | 1300 | 1250 | 1225 | 1175 |
|           |                    | WATTS | 299                                 | 309  | 320  | 330  | 341  | 351  | 361  | 372  | 382  | 393  |
|           | 6                  | CFM   | 1400                                | 1375 | 1325 | 1300 | 1250 | 1225 | 1175 | 1150 | 1100 | 1050 |
|           |                    | WATTS | 248                                 | 258  | 268  | 277  | 287  | 297  | 306  | 316  | 326  | 335  |
|           | 5                  | CFM   | 1225                                | 1175 | 1125 | 1075 | 1025 | 975  | 925  | 900  | 850  | 800  |
|           |                    | WATTS | 167                                 | 175  | 183  | 192  | 200  | 208  | 217  | 225  | 233  | 242  |
|           | 4                  | CFM   | 975                                 | 900  | 850  | 800  | 750  | 700  | 625  | 575  | 525  | 475  |
|           |                    | WATTS | 97                                  | 104  | 110  | 117  | 123  | 130  | 137  | 143  | 150  | 156  |
|           | 3                  | CFM   | 725                                 | 650  | 575  | 500  | 425  | 350  | 275  | 225  | 150  | —    |
|           |                    | WATTS | 52                                  | 57   | 62   | 67   | 72   | 77   | 81   | 86   | 91   | —    |
|           | 2                  | CFM   | 625                                 | 550  | 475  | 400  | 325  | 225  | 150  | —    | —    | —    |
|           |                    | WATTS | 42                                  | 46   | 51   | 56   | 60   | 65   | 70   | —    | —    | —    |
|           | 1                  | CFM   | 475                                 | 375  | 275  | 175  | 75   | —    | —    | —    | —    | —    |
|           |                    | WATTS | 27                                  | 31   | 35   | 39   | 43   | —    | —    | —    | —    | —    |
| JHE48D5*G | 9                  | CFM   | 2075                                | 2050 | 2025 | 1975 | 1950 | 1925 | 1900 | 1850 | 1825 | 1800 |
|           |                    | WATTS | 567                                 | 582  | 597  | 612  | 627  | 642  | 658  | 673  | 688  | 703  |
|           | 8                  | CFM   | 1875                                | 1850 | 1800 | 1775 | 1750 | 1700 | 1675 | 1650 | 1600 | 1575 |
|           |                    | WATTS | 421                                 | 435  | 449  | 462  | 476  | 490  | 503  | 517  | 531  | 544  |
|           | 7                  | CFM   | 1675                                | 1625 | 1600 | 1550 | 1500 | 1475 | 1425 | 1375 | 1350 | 1300 |
|           |                    | WATTS | 297                                 | 309  | 321  | 333  | 346  | 358  | 370  | 383  | 395  | 407  |
|           | 6                  | CFM   | 1300                                | 1250 | 1200 | 1150 | 1075 | 1025 | 975  | 925  | 850  | 800  |
|           |                    | WATTS | 153                                 | 163  | 172  | 182  | 192  | 201  | 211  | 221  | 230  | 240  |
|           | 5                  | CFM   | 1150                                | 1100 | 1025 | 975  | 900  | 850  | 775  | 725  | 675  | 600  |
|           |                    | WATTS | 115                                 | 124  | 132  | 141  | 150  | 158  | 167  | 175  | 184  | 192  |
|           | 4                  | CFM   | 950                                 | 875  | 825  | 750  | 675  | 600  | 525  | 475  | 400  | 325  |
|           |                    | WATTS | 78                                  | 85   | 92   | 99   | 105  | 112  | 119  | 126  | 133  | 140  |
|           | 3                  | CFM   | 850                                 | 775  | 700  | 625  | 550  | 475  | 400  | 325  | 250  | —    |
|           |                    | WATTS | 63                                  | 69   | 75   | 82   | 88   | 94   | 101  | 107  | 113  | —    |
|           | 2                  | CFM   | 725                                 | 650  | 550  | 450  | 375  | 275  | 175  | 100  | —    | —    |
|           |                    | WATTS | 46                                  | 51   | 56   | 62   | 67   | 72   | 78   | 83   | —    | —    |
|           | 1                  | CFM   | 650                                 | 550  | 450  | 350  | 250  | 150  | 50   | —    | —    | —    |
|           |                    | WATTS | 37                                  | 43   | 49   | 53   | 58   | 61   | 64   | —    | —    | —    |
| JHE60C5*H | 9                  | CFM   | 1950                                | 1925 | 1875 | 1850 | 1825 | 1800 | 1750 | 1725 | 1700 | 1675 |
|           |                    | WATTS | 625                                 | 643  | 660  | 675  | 689  | 702  | 713  | 723  | 731  | 738  |
|           | 8                  | CFM   | 1750                                | 1725 | 1675 | 1650 | 1625 | 1600 | 1575 | 1525 | 1500 | 1475 |
|           |                    | WATTS | 465                                 | 478  | 491  | 504  | 517  | 530  | 543  | 556  | 569  | 582  |
|           | 7                  | CFM   | 1575                                | 1525 | 1500 | 1475 | 1425 | 1400 | 1350 | 1325 | 1300 | 1250 |
|           |                    | WATTS | 339                                 | 350  | 362  | 373  | 385  | 396  | 408  | 419  | 431  | 442  |
|           | 6                  | CFM   | 1375                                | 1325 | 1275 | 1250 | 1200 | 1150 | 1125 | 1075 | 1050 | 1000 |
|           |                    | WATTS | 231                                 | 241  | 251  | 261  | 271  | 281  | 291  | 301  | 311  | 321  |
|           | 5                  | CFM   | 1200                                | 1150 | 1100 | 1050 | 1000 | 950  | 900  | 850  | 800  | 750  |
|           |                    | WATTS | 158                                 | 167  | 175  | 184  | 193  | 202  | 210  | 219  | 228  | 236  |
|           | 4                  | CFM   | 925                                 | 875  | 825  | 775  | 700  | 650  | 600  | 550  | 475  | 425  |
|           |                    | WATTS | 93                                  | 99   | 106  | 112  | 119  | 126  | 132  | 139  | 145  | 152  |
|           | 3                  | CFM   | 850                                 | 775  | 725  | 650  | 600  | 525  | 475  | 400  | 350  | —    |
|           |                    | WATTS | 73                                  | 79   | 85   | 91   | 97   | 104  | 110  | 116  | 122  | —    |
|           | 2                  | CFM   | 725                                 | 650  | 575  | 500  | 425  | 350  | 275  | 200  | —    | —    |
|           |                    | WATTS | 52                                  | 58   | 63   | 68   | 73   | 79   | 84   | 89   | —    | —    |
|           | 1                  | CFM   | 625                                 | 550  | 475  | 400  | 325  | 225  | 150  | —    | —    | —    |
|           |                    | WATTS | 42                                  | 47   | 52   | 57   | 62   | 67   | 72   | —    | —    | —    |

**Table 19: Airflow data (CFM per watts)**

| Model     | Blower motor speed | Unit  | External static pressure (in. W.C.) |      |      |      |      |      |      |      |      |      |
|-----------|--------------------|-------|-------------------------------------|------|------|------|------|------|------|------|------|------|
|           |                    |       | 0.1                                 | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  | 1    |
| JHE60D5*H | 9                  | CFM   | 1975                                | 1950 | 1900 | 1875 | 1850 | 1800 | 1775 | 1750 | 1725 | 1675 |
|           |                    | WATTS | 498                                 | 512  | 525  | 538  | 551  | 565  | 578  | 591  | 604  | 617  |
|           | 8                  | CFM   | 1825                                | 1800 | 1750 | 1725 | 1675 | 1650 | 1600 | 1575 | 1525 | 1500 |
|           |                    | WATTS | 393                                 | 406  | 418  | 431  | 443  | 456  | 468  | 481  | 493  | 506  |
|           | 7                  | CFM   | 1600                                | 1550 | 1500 | 1475 | 1425 | 1375 | 1325 | 1275 | 1250 | 1200 |
|           |                    | WATTS | 265                                 | 276  | 288  | 299  | 310  | 322  | 333  | 344  | 356  | 367  |
|           | 6                  | CFM   | 1475                                | 1425 | 1375 | 1325 | 1275 | 1225 | 1175 | 1125 | 1075 | 1025 |
|           |                    | WATTS | 212                                 | 222  | 233  | 243  | 254  | 264  | 275  | 285  | 296  | 306  |
|           | 5                  | CFM   | 1275                                | 1225 | 1150 | 1100 | 1050 | 975  | 925  | 875  | 800  | 750  |
|           |                    | WATTS | 145                                 | 155  | 164  | 173  | 183  | 192  | 201  | 211  | 220  | 229  |
|           | 4                  | CFM   | 1000                                | 950  | 875  | 800  | 750  | 675  | 600  | 550  | 475  | 400  |
|           |                    | WATTS | 86                                  | 94   | 101  | 109  | 117  | 124  | 132  | 140  | 147  | 155  |
|           | 3                  | CFM   | 875                                 | 800  | 725  | 650  | 575  | 500  | 425  | 350  | 275  | 200  |
|           |                    | WATTS | 64                                  | 70   | 77   | 84   | 90   | 97   | 104  | 110  | 117  | 124  |
|           | 2                  | CFM   | 725                                 | 650  | 550  | 475  | 375  | 300  | 225  | —    | —    | —    |
|           |                    | WATTS | 45                                  | 51   | 57   | 63   | 69   | 75   | 81   | —    | —    | —    |
|           | 1                  | CFM   | 650                                 | 550  | 475  | 375  | 275  | 200  | —    | —    | —    | —    |
|           |                    | WATTS | 38                                  | 43   | 49   | 54   | 60   | 65   | —    | —    | —    | —    |
| JHE60D5*J | 9                  | CFM   | 2150                                | 2125 | 2100 | 2075 | 2050 | 2025 | 1975 | 1925 | 1900 | 1850 |
|           |                    | WATTS | 698                                 | 710  | 722  | 734  | 746  | 758  | 769  | 781  | 793  | 805  |
|           | 8                  | CFM   | 2000                                | 1975 | 1925 | 1900 | 1875 | 1850 | 1800 | 1775 | 1750 | 1700 |
|           |                    | WATTS | 514                                 | 529  | 544  | 559  | 574  | 589  | 603  | 618  | 633  | 648  |
|           | 7                  | CFM   | 1800                                | 1775 | 1750 | 1700 | 1675 | 1625 | 1600 | 1550 | 1525 | 1500 |
|           |                    | WATTS | 390                                 | 404  | 417  | 431  | 445  | 458  | 472  | 486  | 499  | 513  |
|           | 6                  | CFM   | 1575                                | 1525 | 1475 | 1425 | 1375 | 1350 | 1300 | 1250 | 1200 | 1150 |
|           |                    | WATTS | 255                                 | 267  | 278  | 290  | 302  | 313  | 325  | 337  | 348  | 360  |
|           | 5                  | CFM   | 1400                                | 1325 | 1275 | 1225 | 1175 | 1125 | 1075 | 1025 | 975  | 925  |
|           |                    | WATTS | 185                                 | 196  | 206  | 217  | 227  | 238  | 248  | 259  | 269  | 279  |
|           | 4                  | CFM   | 1250                                | 1200 | 1125 | 1075 | 1025 | 950  | 900  | 850  | 775  | 725  |
|           |                    | WATTS | 145                                 | 154  | 163  | 172  | 180  | 189  | 198  | 206  | 215  | 224  |
|           | 3                  | CFM   | 900                                 | 825  | 775  | 700  | 625  | 550  | 475  | 400  | 325  | —    |
|           |                    | WATTS | 73                                  | 79   | 85   | 92   | 98   | 105  | 111  | 118  | 124  | —    |
|           | 2                  | CFM   | 700                                 | 625  | 550  | 450  | 375  | 275  | 200  | —    | —    | —    |
|           |                    | WATTS | 46                                  | 51   | 57   | 62   | 68   | 73   | 78   | —    | —    | —    |
|           | 1                  | CFM   | 625                                 | 525  | 450  | 350  | 250  | 175  | —    | —    | —    | —    |
|           |                    | WATTS | 39                                  | 43   | 48   | 53   | 57   | 62   | —    | —    | —    | —    |

