



Technical Guide

Standard ECM Single Piece Multi-position Air Handlers

For use with split-system cooling and heat pumps

Models: JHET Series



Due to continuous product improvement, specifications are subject to change without notice.

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Additional rating information can be found at
www.ahridirectory.org

WARRANTY SUMMARY

Standard 5-year limited parts warranty.

Extended 10-year limited parts warranty when product is registered online within 90 days of purchase for replacement or closing for new home construction.

Description

This fan coil line offers the ultimate in application flexibility. This unit may be used for upflow, downflow, horizontal right, or horizontal left applications.

All Johnson Controls air handlers and coils can use a TXV to provide our customers with the optimum performance and refrigerant control. Single piece air handlers are available as *Flex-coils* (without a factory-installed metering device). For added flexibility, an R-22 or R-410A TXV or piston must be field-installed to meet the requirement of the chosen refrigerant.

Features

MaxAlloy™ coil - long-life aluminum coils built to deliver lasting performance, efficiency, and reliability

Next generation even-flow distributor - designed for balanced refrigerant flow and even coil circuit performance

Next generation high-efficiency blower - delivers increased airflow and reduced blower watts by 10%, using a 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

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

Tool-less filter access - sliding latch design provides quick and easy access

Designed for easy installation and service - 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 post-powder painted aluminum or galvanized steel to prevent corrosion.

Thermoset drain pan - positive slope for drainage to reduce cause for potential mold or contaminants.

List of sections

| | |
|---------------------------------------|----|
| Description | 1 |
| Features | 1 |
| Nomenclature | 2 |
| Dimensions and duct connections | 3 |
| Accessories | 10 |
| Limitations | 11 |
| Typical applications | 11 |
| Control wiring | 12 |
| Airflow data | 13 |

Nomenclature

| | | | |
|--|-----------|---|-------------------|
| Brand | J | J = JCI air handler | |
| Type | H | H = one piece | |
| Motor type | E | V = variable speed ECM E = standard ECM P = PSC | |
| Stage | T | S = single-stage capable T = two-stage capable V = variable-stage capable | |
| Cabinet width | B | A = 14.5 in. | D = 24.5 in. |
| | | B = 17.5 in. | E = 19.6 in. |
| | | C = 21 in. | F = 22 in. |
| Nominal unit capacity | 24 | 18 = 1.5 ton | 42 = 3.5 ton |
| | | 24 = 2 ton | 48 = 4 ton |
| | | 30 = 2.5 ton | 60 = 5 ton |
| | | 36 = 3 ton | |
| Slab size | C | A = 2R-14-18 | F = 3R-24-14 |
| | | B = 2R-16-18 | G = 3R-28-12 |
| | | C = 2R-20-18 | H = 3R-32-12 |
| | | D = 3R-20-14 | J = 4R-28-12 |
| | | E = 3R-22-14 | Z = HD match only |
| Metering device | XX | BA-BW = factory TXV E1-E9 = factory EEV XX = no valve Y0 = HD match only | |
| Control strategy | S | C = communicating B = wireless (communicating) S = standard (conventional) W = wireless (conventional) | |
| Voltage (voltage-phase-hertz) | 2 | 2 = 208/230-1-60 | 4 = 460-3-60 |
| | | 3 = 208/230-3-60 | |
| Accessories | N | S = A2L sensor N = none (no sensor) | |
| Generation (major revision) | 1 | 1 = first generation | |
| | | 2 = second generation | |
| Style letter (minor revision) not used for ordering | A | A = style A | |
| | | B = style B | |

Dimensions and duct connections

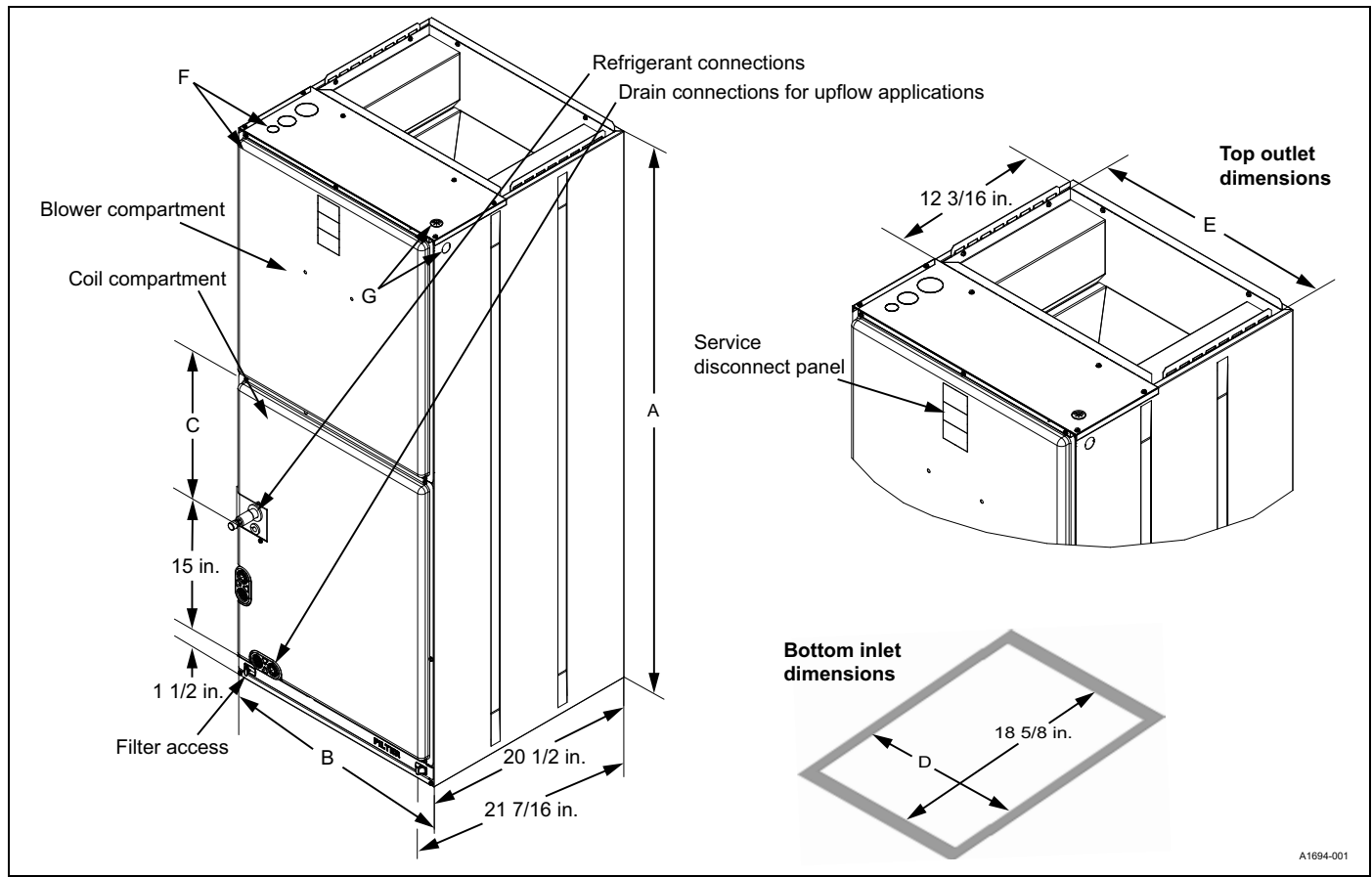


Figure 1: Dimensions and duct connection dimensions

Table 1: Dimensions¹

| Models | Dimensions | | | | | Wiring knockouts ² | | Refrigerant connections line size | |
|----------|--------------|-------------|----------------------|--------|--------|---|---------------|-----------------------------------|-------------|
| | A | B | C | D | E | F | G | Liquid (in.) | Vapor (in.) |
| | Height (in.) | Width (in.) | Opening widths (in.) | | | Power (in.) | Control (in.) | | |
| JHETB18B | 47 | 17 1/2 | 7 1/2 | 16 1/2 | 16 1/2 | 7/8 (1/2) 1 3/8 (1) 1 23/32 (1 1/4) | 7/8 (1/2) | 3/8 | 3/4 |
| JHETB24C | 49 5/8 | 17 1/2 | 10 | 16 1/2 | 16 1/2 | | | | |
| JHETB30D | 49 5/8 | 17 1/2 | 10 | 16 1/2 | 16 1/2 | | | | |
| JHETB36D | 49 5/8 | 17 1/2 | 10 | 16 1/2 | 16 1/2 | | | | |
| JHETC36D | 51 | 21 | 11 1/2 | 20 | 20 | | | | |
| JHETC42F | 57 | 21 | 17 1/2 | 20 | 20 | | | 7/8 | 7/8 |
| JHETC48G | 61 1/4 | 21 | 21 3/4 | 20 | 20 | | | | |
| JHETD48G | 61 1/4 | 24 1/2 | 21 3/4 | 23 1/2 | 23 1/2 | | | | |
| JHETC60H | 63 | 21 | 23 1/2 | 20 | 20 | | | | |
| JHETD60H | 63 | 24 1/2 | 23 1/2 | 23 1/2 | 23 1/2 | | | | |
| JHETD60J | 61 1/4 | 24 1/2 | 21 3/4 | 23 1/2 | 23 1/2 | | | | |

1. All dimensions are in inches.
2. Actual size (conduit size).

Table 2: Coil technical data

| Models | Application | Refrigeration connection type | Face Area (ft ²) | Rows | Fins per inch | Coil size (in.) | Tube geometry (in.) | Tube diameter (in.) | Fin type |
|--------|--------------------|-------------------------------|------------------------------|------|---------------|-----------------|---------------------|---------------------|----------|
| B18B | Cooling /Heat Pump | Sweat | 3.8 | 2 | 18 | (2) 16 x 17 | 1 x 0.675 | 3/8 | Lanced |
| B24C | | | 4.7 | 2 | 18 | (2) 20 x 17 | | | |
| B30D | | | 4.7 | 3 | 14 | (2) 20 x 17 | | | |
| B36D | | | 4.7 | 3 | 14 | (2) 20 x 17 | | | |
| C36D | | | 4.7 | 3 | 14 | (2) 20 x 17 | | | |
| C42F | | | 5.7 | 3 | 12 | (2) 24 x 17 | | | |
| C48G | | | 6.6 | 3 | 12 | (2) 28 x 17 | | | |
| D48G | | | 6.6 | 3 | 12 | (2) 28 x 17 | | | |
| C60H | | | 7.6 | 3 | 12 | (2) 32 x 17 | | | |
| D60H | | | 7.6 | 3 | 12 | (2) 32 x 17 | | | |
| D60J | | | 6.6 | 4 | 12 | (2) 28 x 17 | | | |

Table 3: Cooling capacity¹

| Models | Rated CFM ² | Entering Air Dry/Wet Bulb (°F) | MBH at evaporation temperature and corresponding R-410A pressure (°F/psig) | | | |
|--------|------------------------|--------------------------------|--|----------|----------|----------|
| | | | 35/107.9 | 40/118.9 | 45/130.7 | 50/143.3 |
| B18B | 600 | 85/72 | 54.8 | 49.2 | 43.0 | 35.8 |
| | | 80/67 | 44.7 | 39.0 | 32.3 | 25.2 |
| | | 75/62 | 35.4 | 29.5 | 23.0 | 15.5 |
| | | 70/57 | 27.0 | 20.9 | 14.2 | 10.9 |
| B24C | 800 | 85/72 | 62.3 | 56.9 | 49.8 | 42.3 |
| | | 80/67 | 51.9 | 45.7 | 38.4 | 30.5 |
| | | 75/62 | 41.7 | 34.6 | 27.9 | 18.4 |
| | | 70/57 | 32.1 | 25.3 | 18.0 | 13.9 |
| B30D | 1000 | 85/72 | 80.2 | 72.1 | 62.8 | 52.0 |
| | | 80/67 | 65.5 | 57.2 | 47.4 | 36.5 |
| | | 75/62 | 52.0 | 43.5 | 33.4 | 22.2 |
| | | 70/57 | 39.9 | 30.9 | 22.1 | 16.8 |
| B36D | 1200 | 85/72 | 80.2 | 72.1 | 62.8 | 52.0 |
| | | 80/67 | 65.5 | 57.2 | 47.4 | 36.5 |
| | | 75/62 | 52.0 | 43.5 | 33.4 | 22.2 |
| | | 70/57 | 39.9 | 30.9 | 22.1 | 16.8 |
| C36D | 1200 | 85/72 | 80.2 | 72.1 | 62.8 | 52.0 |
| | | 80/67 | 65.5 | 57.2 | 47.4 | 36.5 |
| | | 75/62 | 52.0 | 43.5 | 33.4 | 22.2 |
| | | 70/57 | 39.9 | 30.9 | 22.1 | 16.8 |
| C42F | 1400 | 85/72 | 89.7 | 81.6 | 72.4 | 61.9 |
| | | 80/67 | 74.4 | 65.8 | 56.2 | 45.0 |
| | | 75/62 | 60.1 | 50.9 | 40.9 | 27.1 |
| | | 70/57 | 46.7 | 37.3 | 26.7 | 20.8 |
| C48G | 1600 | 85/72 | 102.4 | 91.9 | 79.8 | 66.3 |
| | | 80/67 | 83.7 | 72.6 | 60.3 | 47.3 |
| | | 75/62 | 66.4 | 54.9 | 43.1 | 29.0 |
| | | 70/57 | 50.5 | 39.3 | 27.5 | 20.7 |
| D48G | 1600 | 85/72 | 109.1 | 98.2 | 85.3 | 71.0 |
| | | 80/67 | 89.0 | 77.6 | 64.7 | 50.6 |
| | | 75/62 | 71.1 | 58.9 | 46.2 | 30.4 |
| | | 70/57 | 54.1 | 42.2 | 29.8 | 22.5 |
| C60H | 1600 | 85/72 | 107.0 | 97.1 | 85.4 | 72.2 |
| | | 80/67 | 88.2 | 77.8 | 65.0 | 51.9 |
| | | 75/62 | 70.9 | 59.4 | 47.1 | 31.8 |
| | | 70/57 | 54.5 | 43.1 | 30.6 | 23.4 |

Continued on next page

Table 3: Cooling capacity¹ (continued)

| Models | Rated CFM ² | Entering Air Dry/Wet Bulb (°F) | MBH at evaporation temperature and corresponding R-410A pressure (°F/psig) | | | |
|--------|------------------------|-----------------------------------|---|----------|----------|----------|
| | | | 35/107.9 | 40/118.9 | 45/130.7 | 50/143.3 |
| D60H | 1800 | 85/72 | 107.0 | 97.1 | 85.4 | 72.2 |
| | | 80/67 | 88.2 | 77.8 | 65.0 | 51.9 |
| | | 75/62 | 70.9 | 59.4 | 47.1 | 31.8 |
| | | 70/57 | 54.5 | 43.1 | 30.6 | 23.4 |
| D60J | 1800 | 85/72 | 112.1 | 101.6 | 89.2 | 75.4 |
| | | 80/67 | 92.5 | 88.1 | 68.5 | 54.6 |
| | | 75/62 | 74.2 | 62.3 | 49.7 | 33.6 |
| | | 70/57 | 57.1 | 45.7 | 32.5 | 24.8 |

- Actual capacity varies with the outdoor AC or HP that is used with the system.
- Airflow is calculated for each system tonnage.

Table 4: Physical and electrical data - cooling only

| Models | | B18B | B24C | B30D | B36D | C36D | C42F |
|---------------------------------|-------------|-------------------------|-------------|-------------|-------------|-------------|-------------|
| Blower - diameter x width (in.) | | 11 x 8 | 11 x 8 | 11 x 8 | 11 x 8 | 11 x 10 | 11 x 10 |
| Motor | HP | 1/3 HP | 1/3 HP | 1/2 HP | 1/2 HP | 1/2 HP | 1/2 HP |
| | Nominal RPM | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Voltage (V) | | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| Full load amps at 230 V (A) | | 2.6 | 2.6 | 3.8 | 3.8 | 3.8 | 3.8 |
| Filter ¹ | Type | Disposable or cleanable | | | | | |
| | Size | 16 x 20 x 1 | 16 x 20 x 1 | 16 x 20 x 1 | 20 x 20 x 1 | 20 x 20 x 1 | 20 x 20 x 1 |
| Shipping/operating weight (lb) | | 101/93 | 107/99 | 108/100 | 108/100 | 124/114 | 135/125 |
| <hr/> | | | | | | | |
| Models | | C48G | D48G | C60H | D60H | D60J | |
| Blower - diameter x width (in.) | | 11 x 10 | 11 x 11 | 11 x 10 | 11 x 11 | 11 x 11 | |
| Motor | HP | 3/4 HP | 3/4 HP | 3/4 HP | 3/4 HP | 3/4 HP | |
| | Nominal RPM | 1050 | 1050 | 1050 | 1050 | 1050 | |
| Voltage (V) | | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | |
| Full load amps at 230 V (A) | | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | |
| Filter ¹ | Type | Disposable or cleanable | | | | | |
| | Size | 20 x 20 x 1 | 23 x 20 x 1 | 20 x 20 x 1 | 23 x 20 x 1 | 23 x 20 x 1 | |
| Shipping/operating weight (lb) | | 140/129 | 152/140 | 153/141 | 158/146 | 162/150 | |

- Field supplied.

Table 5: Electrical data - cooling only

| Models | Motor FLA ¹ | Minimum Circuit Ampacity (A) | MOP ² |
|--------------------------|------------------------|------------------------------|------------------|
| B18B/B24C | 2.6 | 3.3 | 15 |
| B30D/B36D/C36D/C42F | 3.8 | 4.8 | 15 |
| C48G/D48G/C60H/D60H/D60J | 5.4 | 6.8 | 15 |

- FLA = Full Load Amps
- 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.

Table 6: Electrical heat - minimum fan speed

| Heater kit models ^{1,2} | Nominal kW at 240 V | Air handler models | | | | | | | | | | |
|----------------------------------|---------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|
| | | B18B | B24C | B30D | B36D | C36D | C42F | C48G | D48G | C60H | D60H | D60J |
| 8HK(0,1)6500206 | 2.4 | Medium Low (2) | Medium (3) | Medium High (4) | Medium (3) | Medium (3) | Medium (3) | Medium Low (2) | Medium Low (2) | Medium Low (2) | Medium Low (2) | Medium Low (2) |
| 8HK(0,1)6500506 | 4.8 | Medium (3) | Medium (3) | Medium High (4) | Medium (3) | Medium (3) | Medium (3) | Medium Low (2) | Medium Low (2) | Medium Low (2) | Medium Low (2) | Medium Low (2) |
| 8HK(0,1)6500806 | 7.7 | Medium High (4) | Medium High (4) | Medium High (4) | Medium High (4) | Medium High (4) | Medium High (4) | Medium (3) | Medium (3) | Medium (3) | Medium (3) | Medium Low (2) |
| 8HK(0,1)6501006 8HK06501025 | 9.6 | Medium High (4) | Medium High (4) | Medium High (4) | Medium High (4) | Medium High (4) | Medium High (4) | Medium (3) | Medium (3) | Medium High (4) | Medium (3) | Medium Low (2) |
| 8HK(1,2)6501506 8HK06501525 | 14.4 | — | Medium High (4) | High (5) | Medium High (4) | Medium High (4) | Medium High (4) | Medium (3) | Medium (3) | Medium High (4) | Medium High (4) | Medium (3) |
| 8HK(1,2)6502006 8HK16502025 | 19.2 | — | — | High (5) | Medium High (4) | High (5) | High (5) | Medium High (4) | Medium (3) | Medium High (4) | Medium High (4) | Medium (3) |
| 8HK(1,2)6502506 8HK16502525 | 24 | — | — | — | — | — | — | — | — | — | Medium High (4) | Medium (3) |

1. (0,1) - 0 = no service disconnect or 1 = with service disconnect.

2. (1,2) - 1 = with service disconnect, no breaker jumper bar or 2 = with service disconnect and breaker jumper bar.

Table 7: kW and MBH conversions - for total power input requirement

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 the following table.

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

Table 8: Application factors - rated CFM vs actual CFM

| % of rated airflow (CFM) | 80 | 90 | 100 | 110 | 120 |
|--------------------------|------|------|------|------|------|
| Capacity factor | 0.96 | 0.98 | 1.00 | 1.02 | 1.03 |

Table 9: Electric heat performance data: 208/230-1-60 and 208/230-3-60

| Heater models ^{1,2} | | Nominal kW at 240 V | Total heat ³ | | | | kW staging | | | |
|------------------------------|-----------------|---------------------|-------------------------|-------|-------|-------|------------|-------|-----------|-------|
| | | | kW | | MBH | | W1 only | | W1 and W2 | |
| | | | 208 V | 230 V | 208 V | 230 V | 208 V | 230 V | 208 V | 230 V |
| Single phase | 8HK(0,1)6500206 | 2.4 | 1.8 | 2.2 | 6.2 | 7.5 | 1.8 | 2.2 | 1.8 | 2.2 |
| | 8HK(0,1)6500506 | 4.8 | 3.6 | 4.4 | 12.3 | 15 | 3.6 | 4.4 | 3.6 | 4.4 |
| | 8HK(0,1)6500806 | 7.7 | 5.8 | 7.1 | 19.7 | 24.1 | 5.8 | 7.1 | 5.8 | 7.1 |
| | 8HK(0,1)6501006 | 9.6 | 7.2 | 8.8 | 24.6 | 30.1 | 7.2 | 8.8 | 7.2 | 8.8 |
| | 8HK(1,2)6501506 | 14.4 | 10.8 | 13.2 | 36.9 | 45.1 | 3.6 | 4.4 | 10.8 | 13.2 |
| | 8HK(1,2)6502006 | 19.2 | 14.4 | 17.6 | 49.2 | 60.2 | 7.2 | 8.8 | 14.4 | 17.6 |
| | 8HK(1,2)6502506 | 24 | 18 | 22 | 61.5 | 75.2 | 7.2 | 8.8 | 18 | 22 |
| Three phase | 8HK06501025 | 9.6 | 7.2 | 8.8 | 24.6 | 30.1 | 7.2 | 8.8 | 7.2 | 8.8 |
| | 8HK06501525 | 14.4 | 10.8 | 13.2 | 36.9 | 45.1 | 10.8 | 13.2 | 10.8 | 13.2 |
| | 8HK16502025 | 19.2 | 14.4 | 17.6 | 49.2 | 60.2 | 7.2 | 8.8 | 14.4 | 17.6 |
| | 8HK16502525 | 24 | 18 | 22 | 61.5 | 75.2 | 9 | 11 | 18 | 22 |

1. (0,1) - 0 = no service disconnect or 1 = with service disconnect.

2. (1,2) - 1 = with service disconnect, no breaker jumper bar or 2 = with service disconnect and breaker jumper bar.

3. For different power distributions, see Table 6.

Table 10: Electrical data for single source power supply: 208/230-1-60

| Air handler models | Heater models ^{1,2} | Heater amps (A) at 240 V | Field wiring | | | |
|--------------------|------------------------------|--------------------------|------------------------------|-------|----------------------|-------|
| | | | Minimum circuit ampacity (A) | | MOP ³ (A) | |
| | | | 208 V | 230 V | 208 V | 230 V |
| B18B | 8HK(0,1)6500206 | 10 | 14.1 | 15.2 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 24.9 | 27.2 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 38.1 | 41.8 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 46.5 | 51.1 | 50 | 60 |
| B24C | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 15 | 23 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| B30D | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| | 8HK(1,2)6502006 | 80 | 91.3 | 100.4 | 100 | 110 |
| B36D | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| | 8HK(1,2)6502006 | 80 | 91.3 | 100.4 | 100 | 110 |
| C36D | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| | 8HK(1,2)6502006 | 80 | 91.3 | 100.4 | 100 | 110 |
| C42F | 8HK(0,1)6500206 | 10 | 15.6 | 16.7 | 15 | 20 |
| | 8HK(0,1)6500506 | 20 | 26.4 | 28.7 | 30 | 30 |
| | 8HK(0,1)6500806 | 32 | 39.6 | 43.3 | 40 | 45 |
| | 8HK(0,1)6501006 | 40 | 48.0 | 52.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 69.7 | 76.5 | 70 | 80 |
| | 8HK(1,2)6502006 | 80 | 91.3 | 100.4 | 100 | 110 |
| C48G | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 45 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| D48G | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 45 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| C60H | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 45 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |

Continued on next page

Table 10: Electrical data for single source power supply: 208/230-1-60 (continued)

| Air handler models | Heater models ^{1,2} | Heater amps (A) at 240 V | Field wiring | | | |
|--------------------|------------------------------|--------------------------|------------------------------|-------|----------------------|-------|
| | | | Minimum circuit ampacity (A) | | MOP ³ (A) | |
| | | | 208 V | 230 V | 208 V | 230 V |
| D60H | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 45 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 60 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| D60J | 8HK(1,2)6502506 | 100 | 114.9 | 126.3 | 125 | 150 |
| | 8HK(0,1)6500206 | 10 | 17.6 | 18.7 | 20 | 20 |
| | 8HK(0,1)6500506 | 20 | 28.4 | 30.7 | 25 | 30 |
| | 8HK(0,1)6500806 | 32 | 41.6 | 45.3 | 45 | 45 |
| | 8HK(0,1)6501006 | 40 | 50.0 | 54.6 | 50 | 60 |
| | 8HK(1,2)6501506 | 60 | 71.7 | 78.5 | 80 | 80 |
| | 8HK(1,2)6502006 | 80 | 93.3 | 102.4 | 100 | 110 |
| | 8HK(1,2)6502506 | 100 | 114.9 | 126.3 | 125 | 150 |

1. (0,1) - 0 = no service disconnect or 1 = with service disconnect.

2. (1,2) - 1 = with service disconnect, no breaker jumper bar or 2 = with service disconnect and breaker jumper bar.

3. 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.

Table 11: Electrical data for multi-source power supply: 208/230-1-60

| Air handlers models | Heater models ¹ | Heater amps (A) at 240 V | Minimum circuit ampacity (A) | | | | | | MOP ² (A) | | | | | |
|---------------------|----------------------------|--------------------------|------------------------------|--------|-------|--------------------|--------|-------|----------------------|--------|-------|--------------------|--------|-------|
| | | | 208 V | | | 230 V | | | 208 V | | | 230 V | | |
| | | | Circuit | | | | | | Circuit | | | | | |
| | | | First ³ | Second | Third | First ³ | Second | Third | First ³ | Second | Third | First ³ | Second | Third |
| B24C | 8HK16501506 | 60 | 24.7 | 43.5 | — | 26.9 | 48.1 | — | 25 | 45 | — | 30 | 50 | — |
| B30D | 8HK16501506 | 60 | 26.2 | 43.5 | — | 28.4 | 48.1 | — | 30 | 45 | — | 30 | 50 | — |
| | 8HK16502006 | 80 | 48.0 | 43.3 | — | 52.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| B36D | 8HK16501506 | 60 | 26.2 | 43.5 | — | 28.4 | 48.1 | — | 30 | 45 | — | 30 | 50 | — |
| | 8HK16502006 | 80 | 48.0 | 43.3 | — | 52.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| C36D | 8HK16501506 | 60 | 26.2 | 43.5 | — | 28.4 | 48.1 | — | 30 | 45 | — | 30 | 50 | — |
| | 8HK16502006 | 80 | 48.0 | 43.3 | — | 52.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| C42F | 8HK16501506 | 60 | 26.2 | 43.5 | — | 28.4 | 48.1 | — | 30 | 45 | — | 30 | 50 | — |
| | 8HK16502006 | 80 | 48.0 | 43.3 | — | 52.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| C48G | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| D48G | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| C60H | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| D60H | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| | 8HK16502506 | 100 | 50.0 | 43.3 | 21.6 | 54.6 | 47.8 | 23.9 | 50 | 45 | 25 | 60 | 50 | 25 |
| D60J | 8HK16501506 | 60 | 28.2 | 43.5 | — | 30.4 | 48.1 | — | 30 | 45 | — | 35 | 50 | — |
| | 8HK16502006 | 80 | 50.0 | 43.3 | — | 54.6 | 47.8 | — | 50 | 45 | — | 60 | 50 | — |
| | 8HK16502506 | 100 | 50.0 | 43.3 | 21.6 | 54.6 | 47.8 | 23.9 | 50 | 45 | 25 | 60 | 50 | 25 |

1. (0,1) - 0 = no service disconnect or 1 = with service disconnect.

2. MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. The first circuit includes blower motor amps. 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.

Table 12: Electrical data for single source power supply: 208/230-3-60

| Air handler models | Heater models ¹ | Heater amps (A) at 240 V | Field wiring | | | |
|--------------------|----------------------------|--------------------------|------------------------------|-------|----------------------|-------|
| | | | Minimum circuit ampacity (A) | | MOP ² (A) | |
| | | | 208 V | 230 V | 208 V | 230 V |
| B18B | 8HK06501025 | 23.1 | 46.5 | 51.1 | 50 | 60 |
| B24C | 8HK06501025 | 23.1 | 46.5 | 51.1 | 50 | 60 |
| | 8HK06501525 | 34.6 | 68.2 | 75.0 | 70 | 80 |
| B30D | 8HK06501025 | 23.1 | 48.0 | 52.6 | 50 | 60 |
| | 8HK06501525 | 34.6 | 69.7 | 76.5 | 70 | 80 |
| | 8HK06502025 | 46.2 | 91.3 | 100.4 | 100 | 110 |
| B36D | 8HK06501025 | 23.1 | 48.0 | 52.6 | 50 | 60 |
| | 8HK06501525 | 34.6 | 69.7 | 76.5 | 70 | 80 |
| | 8HK06502025 | 46.2 | 91.3 | 100.4 | 100 | 110 |
| C36D | 8HK06501025 | 23.1 | 48.0 | 52.6 | 50 | 60 |
| | 8HK06501525 | 34.6 | 69.7 | 76.5 | 70 | 80 |
| | 8HK0502025 | 46.2 | 91.3 | 100.4 | 100 | 110 |
| C42F | 8HK06501025 | 23.1 | 48.0 | 52.6 | 50 | 60 |
| | 8HK06501525 | 34.6 | 69.7 | 76.5 | 70 | 80 |
| | 8HK06502025 | 46.2 | 91.3 | 100.4 | 100 | 110 |
| C48G | 8HK06501025 | 23.1 | 50.0 | 54.6 | 60 | 60 |
| | 8HK06501525 | 34.6 | 71.7 | 78.5 | 80 | 80 |
| | 8HK06502025 | 46.2 | 93.3 | 102.4 | 100 | 110 |
| D48G | 8HK06501025 | 23.1 | 50.0 | 54.6 | 60 | 60 |
| | 8HK06501525 | 34.6 | 71.7 | 78.5 | 80 | 80 |
| | 8HK06502025 | 46.2 | 93.3 | 102.4 | 100 | 110 |
| | 8HK06502525 | 46.2 | 114.9 | 126.3 | 125 | 150 |
| C60H | 8HK06501025 | 23.1 | 50.0 | 54.6 | 60 | 60 |
| | 8HK06501525 | 34.6 | 71.7 | 78.5 | 80 | 80 |
| | 8HK06502025 | 46.2 | 93.3 | 102.4 | 100 | 110 |
| D60H | 8HK06501025 | 23.1 | 50.0 | 54.6 | 60 | 60 |
| | 8HK06501525 | 34.6 | 71.7 | 78.5 | 80 | 80 |
| | 8HK06502025 | 46.2 | 93.3 | 102.4 | 100 | 110 |
| | 8HK06502525 | 46.2 | 114.9 | 126.3 | 125 | 150 |
| D60J | 8HK06501025 | 23.1 | 50.0 | 54.6 | 60 | 60 |
| | 8HK06501525 | 34.6 | 71.7 | 78.5 | 80 | 80 |
| | 8HK06502025 | 46.2 | 93.3 | 102.4 | 100 | 110 |
| | 8HK06502525 | 46.2 | 114.9 | 126.3 | 125 | 150 |

1. The 20 kW and 25 kW heater models (8HK06502025 and 8HK06502525) 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.

2. MOP = Maximum overcurrent protection device; must be HACR type circuit breaker or time delay fuse. The first circuit includes blower motor amps. 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.

Table 13: Electrical data for multi-source power supply: 208/230-3-60

| Air handlers models | Heater models ¹ | Heater amps (A) at 240V | Minimum circuit ampacity (A) | | | | MOP ² (A) | | | |
|---------------------|----------------------------|-------------------------|------------------------------|--------|--------------------|--------|----------------------|--------|--------------------|--------|
| | | | 208V | | 230V | | 208V | | 230V | |
| | | | Circuit | | | | Circuit | | | |
| | | | First ² | Second | First ² | Second | First ² | Second | First ² | Second |
| B30D | 8HK16502025 | 46.2 | 29.7 | 25.0 | 32.4 | 27.6 | 30.0 | 25.0 | 35.0 | 30.0 |
| B36D | 8HK16502025 | 46.2 | 29.7 | 25.0 | 32.4 | 27.6 | 30.0 | 25.0 | 35.0 | 30.0 |
| C36D | 8HK16502025 | 46.2 | 29.7 | 25.0 | 32.4 | 27.6 | 30.0 | 25.0 | 35.0 | 30.0 |
| C42F | 8HK16502025 | 46.2 | 29.7 | 25.0 | 32.4 | 27.6 | 30.0 | 25.0 | 35.0 | 30.0 |
| C48G | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35.0 | 25.0 | 35.0 | 30.0 |
| D48G | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35.0 | 25.0 | 35.0 | 30.0 |
| C60H | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35.0 | 25.0 | 35.0 | 30.0 |
| D60H | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35.0 | 25.0 | 35.0 | 30.0 |
| | 8HK16502525 | 57.7 | 38.0 | 31.2 | 41.3 | 34.5 | 40.0 | 35.0 | 45.0 | 35.0 |

Continued on next page

Table 13: Electrical data for multi-source power supply: 208/230-3-60

| Air handlers models | Heater models ¹ | Heater amps (A) at 240V | Minimum circuit ampacity (A) | | | | MOP ² (A) | | | |
|---------------------|----------------------------|-------------------------|------------------------------|--------|--------------------|--------|----------------------|--------|--------------------|--------|
| | | | 208V | | 230V | | 208V | | 230V | |
| | | | Circuit | | | | Circuit | | | |
| | | | First ² | Second | First ² | Second | First ² | Second | First ² | Second |
| D60J | 8HK16502025 | 46.2 | 31.7 | 25.0 | 34.4 | 27.6 | 35.0 | 25.0 | 35.0 | 30.0 |
| | 8HK16502525 | 57.7 | 38.0 | 31.2 | 41.3 | 34.5 | 40.0 | 35.0 | 45.0 | 35.0 |

1. The 20 kW and 25 kW heater models (8HK06502025 and 8HK06502525) come with circuit breakers standard.
 2. MOP = Maximum overcurrent protection device; must be HACR type circuit breaker or time delay fuse. The first circuit includes blower motor amps. 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.

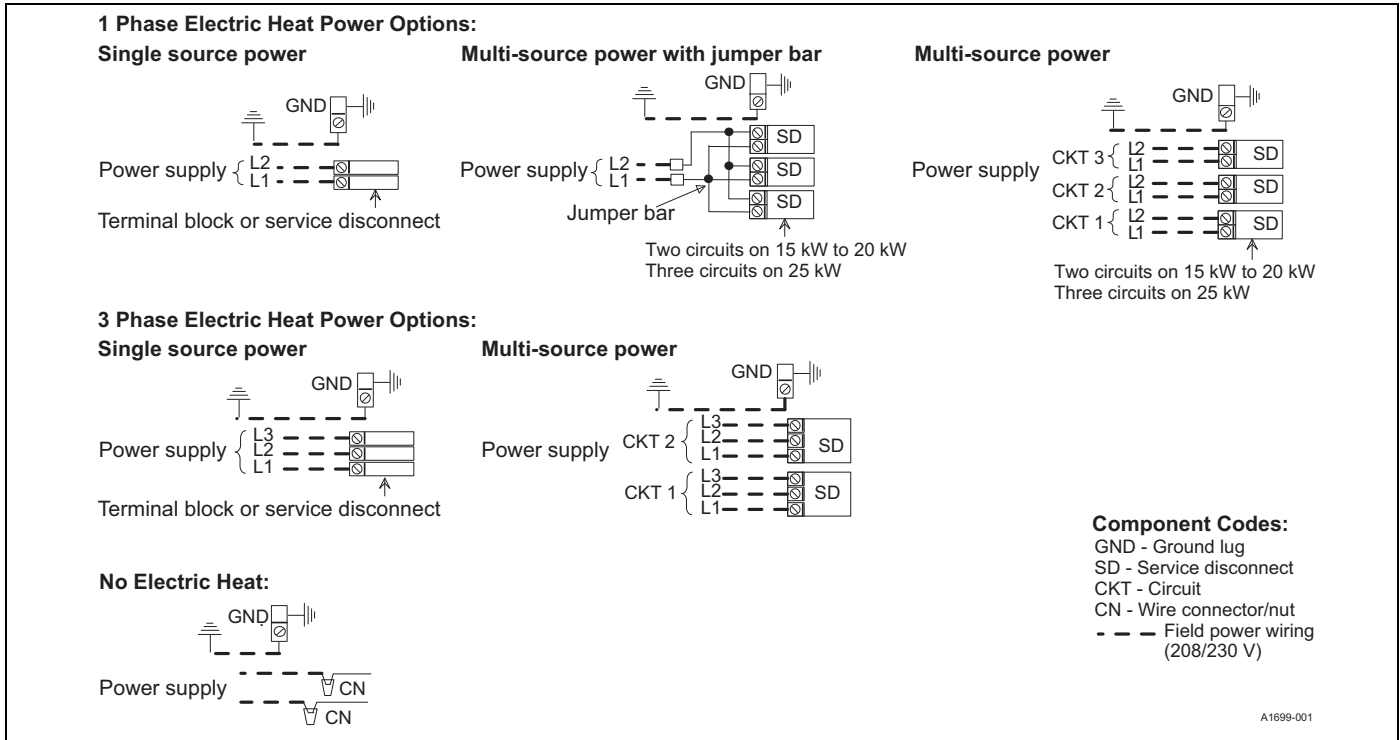


Figure 2: Power wiring - line connections

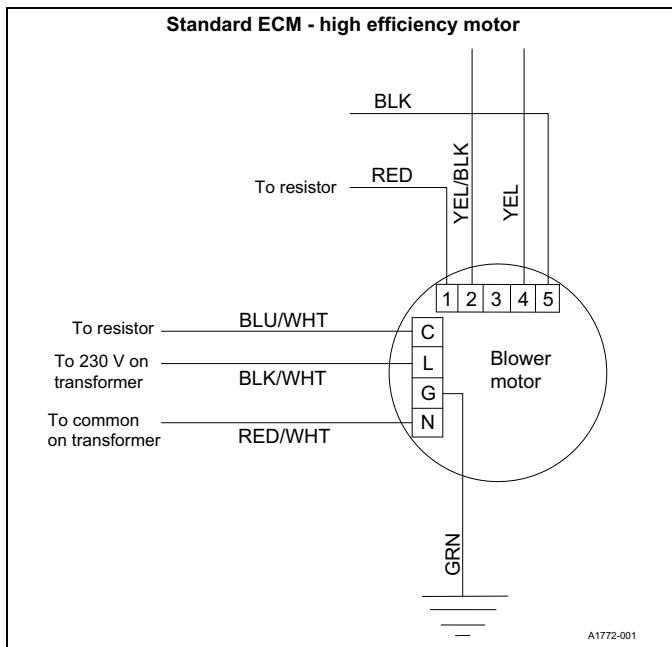


Figure 3: Blower speed connections

Accessories

Refer to Price Manual for specific model numbers where not shown.

TXV kits - Air handlers are shipped with Flex-coils without a factory-installed metering device. For added flexibility, an R-22 or R-410A TXV or piston can be field installed to meet your refrigerant choice. All TXV kits are chatleff style and require no brazing to install. Some models are available with a factory-installed TXV.

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.

| Single source power accessories (single-phase) | |
|--|---|
| S1-02435670000 | For heat kits with 2 service disconnects. |
| S1-02435671000 | For heat kits with 3 service disconnects. |
| Single source power accessory (three-phase) | |
| S1-32436041000 | Contains a terminal block and wiring to connect service disconnects together. |

Combustible floor base accessory - If an electric heat accessory which is 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.

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 outdoor 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.

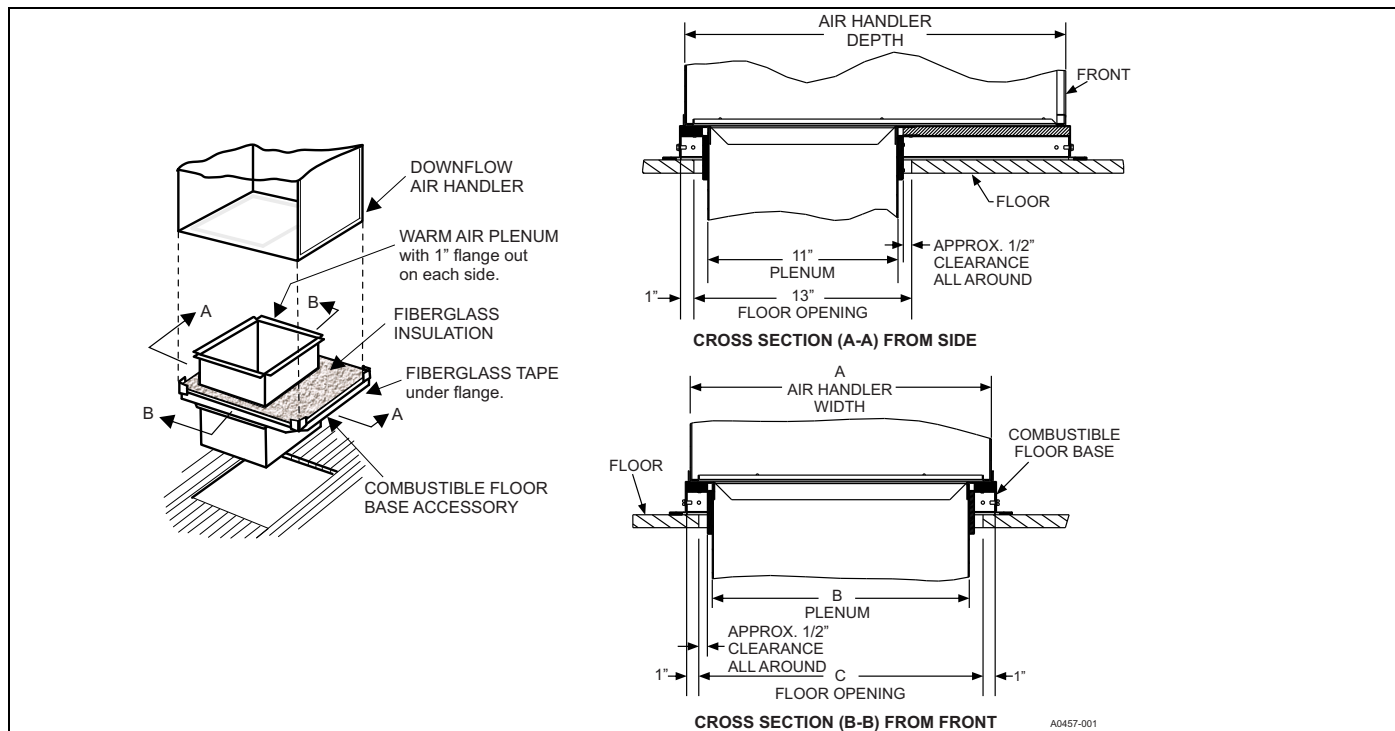


Figure 4: Combustible floor base accessory

Table 14: Combustible floor base accessory dimensions

| Floor base models | Used with | Dimensions (in.) | | |
|-------------------|------------------------|------------------|------|------|
| | | A | B | C |
| 1FB1917 | B18B, B24C, B30D, B36D | 17.5 | 14.0 | 16.0 |
| 1FB1921 | C36D, C42F, C48G, C60H | 21.0 | 17.5 | 19.5 |
| 1FB1924 | D48G, D60H, D60J | 24.5 | 21.0 | 23.0 |

Limitations

These units must be wired and installed in accordance with all national and local safety codes.

Voltage limits are as follows:

| Air handler voltage | Voltage code | Normal operating voltage range ¹ |
|---------------------|--------------|---|
| 208/230-1-60 | 06 | 187-253 |

1. Rated in accordance with ARI Standard 110, utilization range A.

Airflow must be within the minimum and maximum limits approved for electric heat, evaporator coils and outdoor units.

Typical applications

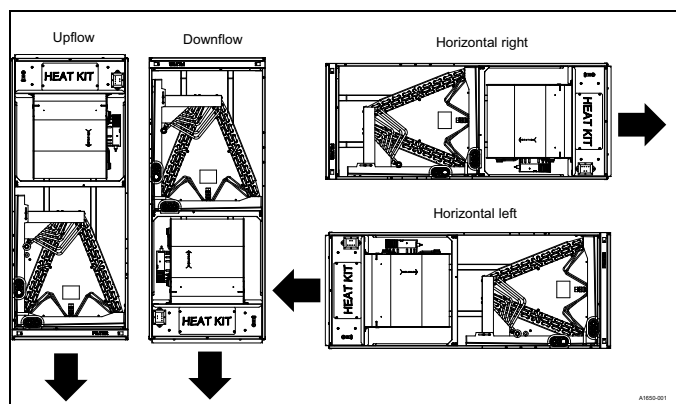


Figure 5: Typical applications

Control wiring

NOTICE

For Figure 6, Figure 7, Figure 8, and Figure 9:
 Continuous fan (G) indoor blower speed tap must be set for a lower speed than first stage compressor speed. If the lowest blower speed tap must be used for first stage compressor speed, do not use the air handler Y1 connection. Allow the room thermostat to energize (G) for first stage compressor blower speed.

NOTICE

For Figure 6, Figure 9, and Figure 11:
 Do not bond any of the outdoor unit **W** wires together.

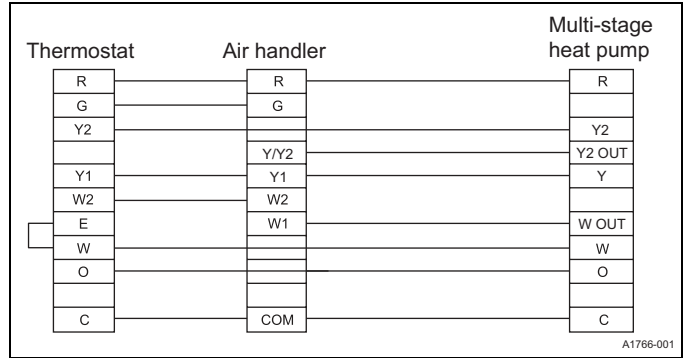


Figure 9: Standard ECM AH and standard multi-stage HP - conventional wiring

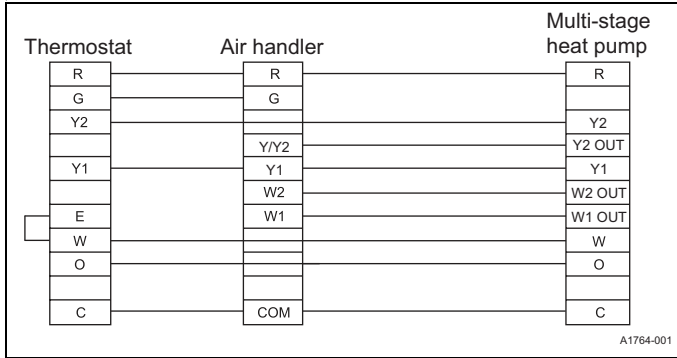


Figure 6: Standard ECM AH and premium multi-stage HP - conventional wiring

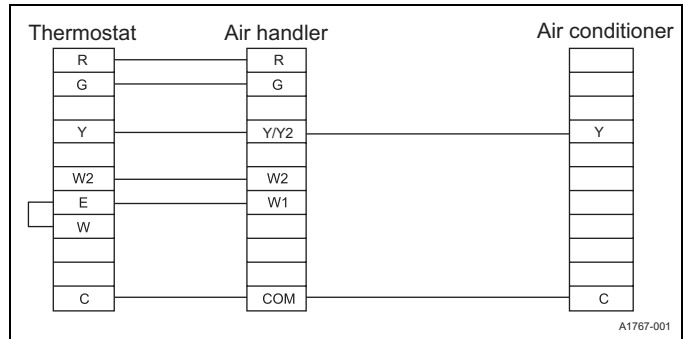


Figure 10: Standard ECM AH and single-stage AC - conventional wiring

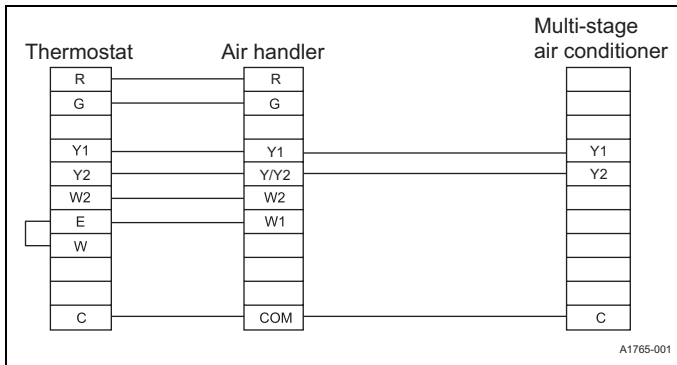


Figure 7: Standard ECM AH and standard multi-stage AC - conventional wiring

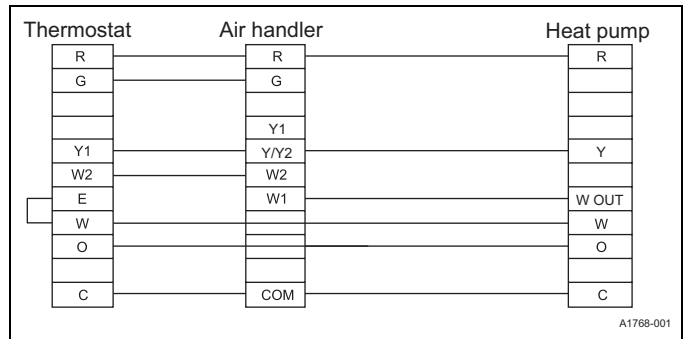


Figure 11: Standard ECM AH and single-stage HP - conventional wiring

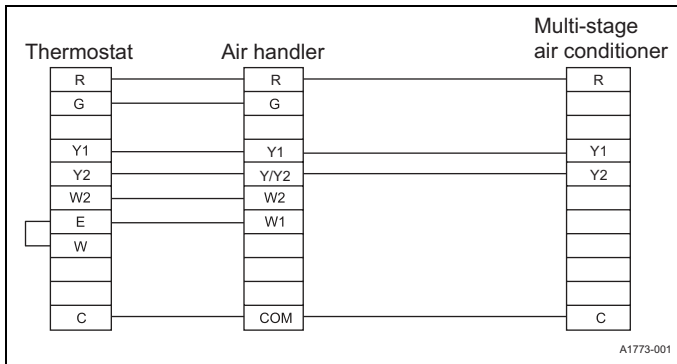


Figure 8: Standard ECM AH and premium multi-stage AC - conventional wiring

Airflow data

Table 15: Airflow data (CFM per Watts)

| Models | Blower motor speed | External static pressure (in. W.C.) | | | | | | | | | | |
|--------|--------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | | Unit | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 |
| B18B | High (5) | CFM | 975 | 925 | 875 | 825 | 800 | 750 | 700 | 650 | 600 | 550 |
| | | W | 129 | 137 | 145 | 153 | 161 | 169 | 177 | 186 | 194 | 202 |
| | Medium high (4) | CFM | 900 | 850 | 800 | 775 | 725 | 675 | 625 | 575 | 525 | 500 |
| | | W | 110 | 117 | 124 | 132 | 139 | 146 | 153 | 160 | 167 | 175 |
| | Medium (3) | CFM | 825 | 775 | 725 | 700 | 650 | 600 | 550 | 500 | 450 | 400 |
| | | W | 94 | 101 | 107 | 114 | 120 | 127 | 134 | 140 | 147 | 154 |
| | Medium low (2) | CFM | 650 | 600 | 550 | 500 | 425 | — | — | — | — | — |
| | | W | 58 | 63 | 68 | 73 | 78 | — | — | — | — | — |
| | Low (1) | CFM | 450 | — | — | — | — | — | — | — | — | — |
| | | W | 31 | — | — | — | — | — | — | — | — | — |
| B24C | High (5) | CFM | 1150 | 1125 | 1100 | 1050 | 1025 | 975 | 950 | 900 | 875 | 850 |
| | | W | 190 | 199 | 209 | 219 | 229 | 238 | 248 | 258 | 267 | 277 |
| | Medium high (4) | CFM | 1000 | 950 | 925 | 875 | 825 | 775 | 750 | 700 | 650 | 600 |
| | | W | 130 | 138 | 147 | 155 | 163 | 171 | 180 | 188 | 196 | 204 |
| | Medium (3) | CFM | 775 | 725 | 675 | 625 | 575 | 525 | 450 | 400 | — | — |
| | | W | 75 | 81 | 88 | 95 | 101 | 108 | 114 | 121 | — | — |
| | Medium low (2) | CFM | 675 | 600 | 550 | 500 | 425 | — | — | — | — | — |
| | | W | 55 | 61 | 67 | 73 | 79 | — | — | — | — | — |
| | Low (1) | CFM | 525 | 450 | — | — | — | — | — | — | — | — |
| | | W | 34 | 40 | — | — | — | — | — | — | — | — |
| B30D | High (5) | CFM | 1150 | 1125 | 1075 | 1050 | 1025 | 975 | 950 | 925 | 875 | 850 |
| | | W | 221 | 228 | 235 | 243 | 252 | 262 | 273 | 285 | 297 | 311 |
| | Medium high (4) | CFM | 1000 | 950 | 900 | 875 | 825 | 800 | 750 | 700 | 675 | 625 |
| | | W | 147 | 156 | 164 | 172 | 181 | 189 | 198 | 206 | 214 | 223 |
| | Medium (3) | CFM | 775 | 725 | 700 | 650 | 600 | 550 | 500 | 450 | 400 | — |
| | | W | 87 | 93 | 100 | 106 | 113 | 120 | 126 | 133 | 139 | — |
| | Medium low (2) | CFM | 650 | 600 | 550 | 500 | 450 | 400 | — | — | — | — |
| | | W | 62 | 67 | 72 | 78 | 83 | 89 | — | — | — | — |
| | Low (1) | CFM | 575 | 525 | 475 | 400 | — | — | — | — | — | — |
| | | W | 49 | 54 | 59 | 65 | — | — | — | — | — | — |
| B36D | High (5) | CFM | 1500 | 1475 | 1450 | 1425 | 1425 | 1400 | 1375 | 1350 | 1325 | — |
| | | W | 482 | 493 | 504 | 516 | 527 | 539 | 550 | 562 | 573 | — |
| | Medium high (4) | CFM | 1325 | 1300 | 1275 | 1250 | 1225 | 1200 | 1175 | 1150 | 1125 | 1100 |
| | | W | 332 | 339 | 347 | 357 | 367 | 379 | 391 | 405 | 420 | 435 |
| | Medium (3) | CFM | 975 | 950 | 900 | 875 | 825 | 800 | 750 | 700 | 675 | 625 |
| | | W | 145 | 154 | 162 | 170 | 178 | 186 | 194 | 202 | 210 | 219 |
| | Medium low (2) | CFM | 925 | 875 | 825 | 800 | 750 | 700 | 675 | 625 | 575 | 550 |
| | | W | 121 | 128 | 136 | 143 | 151 | 158 | 166 | 173 | 180 | 188 |
| | Low (1) | CFM | 650 | 600 | 550 | 500 | 450 | 400 | — | — | — | — |
| | | W | 60 | 65 | 71 | 76 | 81 | 87 | — | — | — | — |
| C36D | High (5) | CFM | 1600 | 1575 | 1525 | 1500 | 1450 | 1425 | 1400 | 1350 | 1325 | 1275 |
| | | W | 377 | 391 | 405 | 419 | 434 | 448 | 462 | 476 | 490 | 504 |
| | Medium high (4) | CFM | 1400 | 1375 | 1325 | 1275 | 1225 | 1200 | 1150 | 1100 | 1075 | 1025 |
| | | W | 260 | 272 | 283 | 294 | 305 | 316 | 328 | 339 | 350 | 361 |
| | Medium (3) | CFM | 1100 | 1050 | 1000 | 950 | 900 | 850 | 800 | 725 | 675 | 625 |
| | | W | 143 | 152 | 161 | 169 | 178 | 187 | 195 | 204 | 212 | 221 |
| | Medium low (2) | CFM | 950 | 900 | 825 | 775 | 725 | 650 | 600 | 550 | 475 | 425 |
| | | W | 103 | 110 | 117 | 124 | 131 | 138 | 146 | 153 | 160 | 167 |
| | Low (1) | CFM | 725 | 650 | 575 | 525 | 450 | 375 | — | — | — | — |
| | | W | 60 | 66 | 72 | 77 | 83 | 89 | — | — | — | — |
| C42F | High (5) | CFM | 1525 | 1500 | 1450 | 1425 | 1375 | 1350 | 1300 | 1275 | 1225 | 1200 |
| | | W | 334 | 348 | 363 | 377 | 391 | 405 | 419 | 433 | 448 | 462 |
| | Medium high (4) | CFM | 1375 | 1325 | 1300 | 1250 | 1200 | 1150 | 1125 | 1075 | 1025 | 975 |
| | | W | 247 | 259 | 270 | 282 | 293 | 305 | 317 | 328 | 340 | 352 |
| | Medium (3) | CFM | 1050 | 1000 | 950 | 900 | 850 | 775 | 725 | 675 | 625 | 575 |
| | | W | 130 | 138 | 146 | 155 | 163 | 171 | 180 | 188 | 197 | 205 |
| | Medium low (2) | CFM | 925 | 875 | 800 | 750 | 700 | 625 | 575 | 525 | 450 | 400 |
| | | W | 97 | 104 | 112 | 119 | 126 | 133 | 141 | 148 | 155 | 162 |
| | Low (1) | CFM | 700 | 625 | 575 | 500 | 425 | — | — | — | — | — |
| | | W | 56 | 61 | 67 | 73 | 78 | — | — | — | — | — |

Continued on next page

Table 15: Airflow data (CFM per Watts) (continued)

| Models | Blower motor speed | External static pressure (in. W.C.) | | | | | | | | | | |
|---------|-----------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | | Unit | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 |
| C48G | High (5) | CFM | 1925 | 1900 | 1875 | 1850 | 1800 | 1775 | 1750 | 1725 | 1700 | 1675 |
| | | W | 588 | 604 | 619 | 635 | 650 | 666 | 681 | 697 | 712 | 728 |
| | Medium high (4) | CFM | 1750 | 1700 | 1675 | 1650 | 1600 | 1575 | 1550 | 1500 | 1475 | 1450 |
| | | W | 435 | 449 | 463 | 476 | 490 | 504 | 517 | 531 | 545 | 558 |
| | Medium (3) | CFM | 1400 | 1350 | 1300 | 1275 | 1225 | 1175 | 1125 | 1075 | 1050 | 1000 |
| | | W | 235 | 245 | 256 | 266 | 277 | 287 | 298 | 308 | 319 | 329 |
| | Medium low (2) (2) | CFM | 1200 | 1150 | 1100 | 1050 | 1000 | 925 | 875 | 825 | 775 | 725 |
| | | W | 157 | 166 | 176 | 185 | 194 | 203 | 212 | 221 | 230 | 239 |
| Low (1) | CFM | 925 | 875 | 800 | 750 | 700 | 625 | 575 | 500 | 450 | 375 | |
| | W | 93 | 100 | 107 | 114 | 121 | 128 | 135 | 142 | 149 | 156 | |
| D48G | High (5) | CFM | 2050 | 2000 | 1975 | 1950 | 1900 | 1875 | 1850 | 1800 | 1775 | 1750 |
| | | W | 579 | 597 | 615 | 632 | 650 | 668 | 686 | 704 | 722 | 739 |
| | Medium high (4) | CFM | 1850 | 1800 | 1775 | 1725 | 1700 | 1650 | 1625 | 1575 | 1550 | 1500 |
| | | W | 431 | 446 | 461 | 476 | 492 | 507 | 522 | 537 | 552 | 568 |
| | Medium (3) | CFM | 1625 | 1600 | 1550 | 1500 | 1450 | 1425 | 1375 | 1325 | 1275 | 1250 |
| | | W | 305 | 318 | 332 | 345 | 358 | 371 | 384 | 397 | 410 | 423 |
| | Medium low (2) | CFM | 1275 | 1200 | 1150 | 1100 | 1050 | 975 | 925 | 875 | 825 | 750 |
| | | W | 159 | 169 | 179 | 189 | 199 | 208 | 218 | 228 | 238 | 248 |
| Low (1) | CFM | 1000 | 925 | 875 | 800 | 750 | 675 | 600 | 550 | 475 | 400 | |
| | W | 96 | 103 | 111 | 118 | 126 | 133 | 141 | 148 | 156 | 163 | |
| C60H | High (5) | CFM | 1925 | 1900 | 1875 | 1850 | 1825 | 1775 | 1750 | 1725 | 1700 | 1675 |
| | | W | 564 | 578 | 593 | 608 | 623 | 638 | 653 | 668 | 683 | 698 |
| | Medium high (4) | CFM | 1750 | 1725 | 1675 | 1650 | 1625 | 1575 | 1550 | 1525 | 1475 | 1450 |
| | | W | 420 | 433 | 447 | 461 | 474 | 488 | 502 | 515 | 529 | 543 |
| | Medium (3) | CFM | 1375 | 1350 | 1300 | 1250 | 1225 | 1175 | 1125 | 1100 | 1050 | 1000 |
| | | W | 222 | 233 | 244 | 255 | 266 | 277 | 288 | 299 | 310 | 321 |
| | Medium low (2) | CFM | 1200 | 1150 | 1100 | 1050 | 1000 | 950 | 900 | 850 | 800 | 750 |
| | | W | 154 | 163 | 173 | 182 | 192 | 201 | 211 | 220 | 229 | 239 |
| Low (1) | CFM | 950 | 900 | 825 | 775 | 725 | 650 | 600 | 550 | 475 | 425 | |
| | W | 91 | 98 | 105 | 113 | 120 | 127 | 134 | 142 | 149 | 156 | |
| D60H | High (5) | CFM | 1925 | 1900 | 1875 | 1825 | 1800 | 1775 | 1750 | 1700 | 1675 | 1650 |
| | | W | 500 | 515 | 530 | 545 | 560 | 575 | 590 | 605 | 620 | 635 |
| | Medium high (4) | CFM | 1775 | 1750 | 1725 | 1675 | 1650 | 1600 | 1575 | 1525 | 1500 | 1450 |
| | | W | 393 | 407 | 421 | 435 | 449 | 463 | 477 | 491 | 504 | 518 |
| | Medium (3) | CFM | 1450 | 1400 | 1325 | 1275 | 1225 | 1175 | 1125 | 1075 | 1025 | 975 |
| | | W | 212 | 223 | 235 | 246 | 258 | 269 | 281 | 292 | 304 | 315 |
| | Medium low (2) | CFM | 1225 | 1175 | 1125 | 1050 | 1000 | 950 | 875 | 825 | 775 | 700 |
| | | W | 146 | 156 | 166 | 176 | 185 | 195 | 205 | 215 | 225 | 235 |
| Low (1) | CFM | 975 | 900 | 850 | 775 | 700 | 625 | 550 | 475 | 425 | — | |
| | W | 87 | 95 | 102 | 110 | 118 | 125 | 133 | 141 | 148 | — | |
| D60J | High (5) | CFM | 2100 | 2075 | 2050 | 2025 | 2000 | 1975 | 1925 | 1900 | 1875 | 1850 |
| | | W | 691 | 707 | 724 | 740 | 757 | 773 | 790 | 806 | 823 | 839 |
| | Medium high (4) | CFM | 1925 | 1900 | 1875 | 1825 | 1800 | 1775 | 1725 | 1700 | 1675 | 1650 |
| | | W | 516 | 533 | 550 | 566 | 583 | 600 | 617 | 633 | 650 | 667 |
| | Medium (3) | CFM | 1750 | 1725 | 1675 | 1650 | 1600 | 1575 | 1525 | 1500 | 1450 | 1425 |
| | | W | 394 | 409 | 423 | 437 | 452 | 466 | 480 | 495 | 509 | 524 |
| | Medium low (2) | CFM | 1350 | 1275 | 1225 | 1175 | 1125 | 1075 | 1025 | 975 | 925 | 875 |
| | | W | 188 | 199 | 210 | 221 | 232 | 242 | 253 | 264 | 275 | 286 |
| Low (1) | CFM | 1200 | 1150 | 1100 | 1025 | 975 | 925 | 850 | 800 | 750 | 675 | |
| | W | 145 | 155 | 165 | 174 | 184 | 193 | 203 | 212 | 222 | 232 | |

Notes:

1. No electric heat installed
2. Air handler units are tested to UL60335-2-40 standards up to 0.6 in. W.C. external static pressure.
3. Dry coil conditions only; tested without filters
4. For optimal performance, external static pressures of 0.2 in. W.C. to 0.5 in. W.C. are recommended. Heating applications are tested at 0.5 in. W.C. external static pressure.
5. Airflow data shown is from testing performed at 230 V. JHET units use a standard ECM constant torque motor and there is minimal variation of airflow at other distribution voltage values. The above data can be used for airflow at other distribution voltages.