



TECHNICAL GUIDE

SINGLE PIECE STANDARD ECM AIR HANDLERS

FOR USE WITH SPLIT-SYSTEM COOLING & HEAT PUMPS

MODELS: AE SERIES



ISO 9001
Certified Quality
Management System



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

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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 JCI Unitary Products 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 with "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 desired refrigerant. Some models available with factory installed TXV.

FEATURES

RC² - Rigid Case Construction interior endoskeleton for structural support, smooth side, and locks in insulation.

Powder-painted - G30 galvanized steel case provide a coated edge that resists corrosion and rust creep.

MaxAlloy™ Coil - Long life aluminum coils built to deliver lasting performance, efficiency and reliability.

Quality Construction - Structural components are made of Aluminum or G90 galvanized steel to prevent corrosion.

Improved Insulation Design - Single piece with no external screws to reduce thermal transmission paths to prevent sweating. Foil faced insulation for ease of cleaning.

Thermostatic Expansion Valve - The accessory chatleff style TXV provides easy installation to convert the indoor coil to the required refrigerant that does not require brazing to replace or install. Some models are available with factory installed TXV.

Case Depth - These models have 20.5" casing which provide ease of attic access and tight applications.

Thermoset Drain Pan - Positive slope for drainage to reduce cause for potential mold or contaminants.

Factory Sealed - Achieves 2% or less total airflow leakage rate at duct leakage test conditions in positive and negative pressure for system airflow verification.

Enhanced Filter Rack - All models have integrated internal filter racks provided for use with 1" thick standard size filters.

Electric Heat Kits - 6HK series of field installed electric heat kits are available for installation-friendly and easy service applications.

Cabinet Air Leakage - Less than 2.0% at 1.0 inch esp. when tested in accordance with ASHRAE standard 193.

Blowers - All models use direct-drive, standard ECM motors.

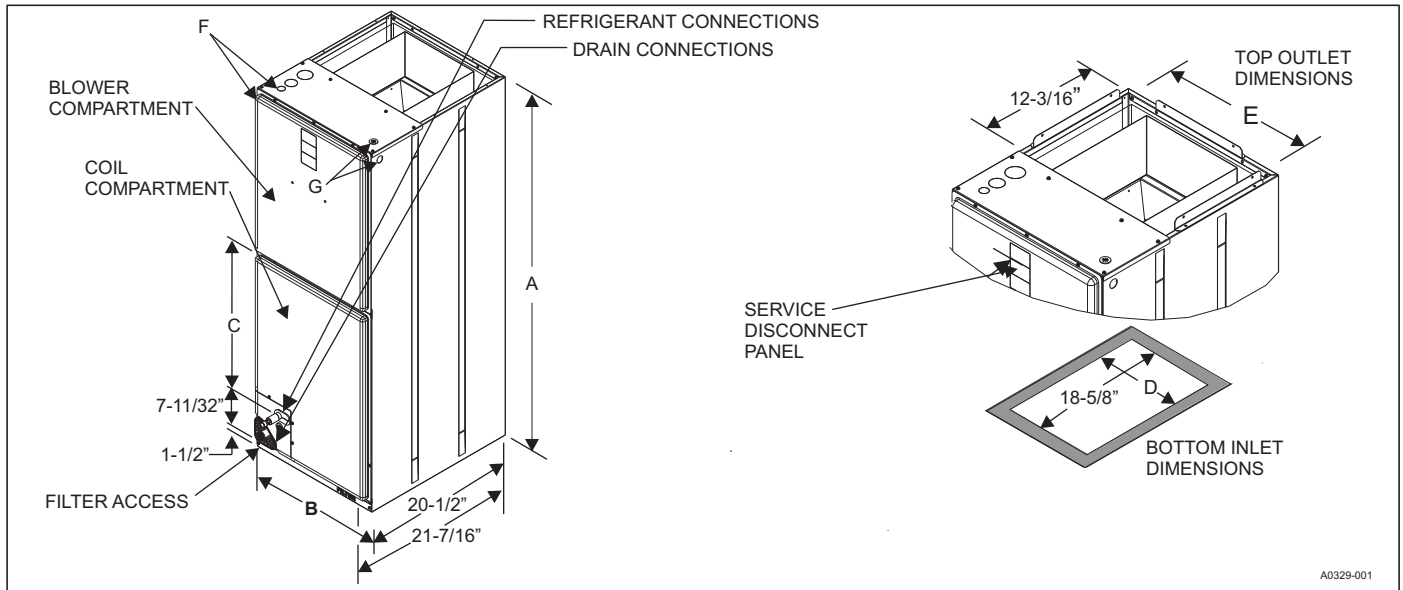
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NOMENCLATURE

| | | |
|--|-----------|--|
| PRODUCT TYPE | A | A = Single Piece Air Handler |
| POSITION MOTOR TYPE | E | P = Multi PSC E = Multi Std ECM V = Multi VS ECM Z = Compact Up Std ECM |
| OPTIONS | - | C = Communications Ready - = Standard (No Options) |
| NOMINAL UNIT CAPACITY | 36 | 18 = 1.5 Ton 42 = 3.5 Ton 24 = 2 Ton 48 = 4-Ton 30 = 2.5 Ton 60 = 5-Ton 36 = 3 Ton |
| CABINET WIDTH | B | A = 14.5" B = 17.5" C = 21.0" D = 24.5" |
| TXV INDICATOR | X | BA-BF = Valve Size X = no valve |
| VOLTAGE (Voltage-Phase-Hertz) | 2 | 1 = 115-1-60 3 = 208/230-3-60 2 = 208/230-1-60 4 = 460-3-60 |
| GENERATION (MAJOR REVISION) | 1 | 1 = 1st Gen 2 = 2nd Gen etc. |
| STYLE LETTER (MINOR REVISION) NOT USED FOR ORDERING | A | A = Style A B = Style B etc. |

DIMENSIONS & DUCT CONNECTION DIMENSIONS



DIMENSIONS

| Models | Dimensions ¹ | | | | | Wiring Knockouts ² | | Refrigerant Connections Line Size | |
|----------|-------------------------|--------|--------|--------|--------|---|-------------|-----------------------------------|-------|
| | A | B | C | D | E | F | G | Liquid | Vapor |
| | Height | Width | | | | Power | Control | | |
| AE18BX21 | 41 | 17-1/2 | 12-7/8 | 14-1/4 | 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" |
| AE24BX21 | 41 | 17-1/2 | 12-7/8 | 14-1/4 | 16-1/2 | | | | |
| AE30BX21 | 47-1/2 | 17-1/2 | 19-1/2 | 14-1/4 | 16-1/2 | | | | |
| AE36BX21 | 47-1/2 | 17-1/2 | 19-1/2 | 14-1/4 | 16-1/2 | | | | |
| AE36CX21 | 51-1/2 | 21 | 22-5/8 | 17-3/4 | 20 | | | | |
| AE42CX21 | 51-1/2 | 21 | 22-5/8 | 17-3/4 | 20 | | | | |
| AE48CX21 | 51-1/2 | 21 | 22-5/8 | 17-3/4 | 20 | | | | |
| AE48DX21 | 55-1/2 | 24-1/2 | 26-5/8 | 21-1/4 | 23-1/2 | | | | |
| AE60CX21 | 55-3/4 | 21 | 26-7/8 | 17-3/4 | 20 | | | | |
| AE60DX21 | 55-1/2 | 24-1/2 | 26-5/8 | 21-1/4 | 23-1/2 | | | 7/8" | |

- 1. All dimensions are in inches.
- 2. Actual size (Conduit size in parenthesis).

COIL TECHNICAL DATA

| Models ¹ | Application | Refrig. Conn. Types | Face Area (Sq. Ft.) | Rows Deep | Fins Per In. | Coil Size | Tube Geometry | Tube Diameter | Fin Type |
|---------------------|--------------------|---------------------|---------------------|-----------|--------------|---------------|---------------|---------------|-----------|
| AE18BX21 | Cooling /Heat Pump | Sweat | 4.3 | 2 | 14 | (3) 12 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE24BX21 | Cooling /Heat Pump | Sweat | 5.0 | 2 | 14 | (3) 14 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE30BX21 | Cooling /Heat Pump | Sweat | 6.4 | 2 | 14 | (3) 18 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE36BX21 | Cooling /Heat Pump | Sweat | 7.1 | 2 | 14 | (3) 20 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE36BBE21* | Cooling /Heat Pump | Sweat | 7.1 | 2 | 14 | (3) 20 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE36CX21 | Cooling /Heat Pump | Sweat | 7.1 | 2 | 14 | (3) 20 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE36CBE21* | Cooling /Heat Pump | Sweat | 7.1 | 2 | 14 | (3) 20 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE42CX21 | Cooling /Heat Pump | Sweat | 8.6 | 2 | 14 | (3) 24 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE42CBF21* | Cooling /Heat Pump | Sweat | 8.6 | 2 | 14 | (3) 24 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE48CX21 | Cooling /Heat Pump | Sweat | 8.6 | 2 | 14 | (3) 24 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE48CBC21* | Cooling /Heat Pump | Sweat | 8.6 | 2 | 14 | (3) 24 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE48DX21 | Cooling /Heat Pump | Sweat | 8.6 | 2 | 14 | (3) 24 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE48DBC21* | Cooling /Heat Pump | Sweat | 8.6 | 2 | 14 | (3) 24 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE60CX21 | Cooling /Heat Pump | Sweat | 10.0 | 2 | 14 | (3) 28 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE60DX21 | Cooling /Heat Pump | Sweat | 10.0 | 3 | 12 | (3) 28 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |
| AE60DBG21* | Cooling /Heat Pump | Sweat | 10.0 | 3 | 12 | (3) 28 x 17.1 | 1 x 0.866 | 3/8 | Sine Wave |

1. * Factory-Installed TXV option.

COOLING CAPACITY¹

| Models | Rated CFM ² | Entering Air Dry/Wet Bulb (°F) | MBH@ Evap. Temp. and Corresponding R-410A Pressure (°F/PSIG) | | | |
|--------|------------------------|-----------------------------------|--|----------|----------|----------|
| | | | 35/107.9 | 40/118.9 | 45/130.7 | 50/143.3 |
| 18B | 600 | 85/72 | 45.7 | 41.6 | 36.8 | 30.5 |
| | | 80/67 | 38.5 | 33.9 | 28.5 | 22.3 |
| | | 75/62 | 31.5 | 26.5 | 20.5 | 15.9 |
| | | 70/57 | 24.4 | 19.5 | 15.2 | 11.5 |
| 24B | 800 | 85/72 | 52.2 | 47.5 | 41.8 | 35.0 |
| | | 80/67 | 43.6 | 38.3 | 31.9 | 24.5 |
| | | 75/62 | 35.2 | 29.5 | 22.7 | 16.2 |
| | | 70/57 | 27.1 | 20.7 | 15.5 | 11.4 |
| 30B | 1000 | 85/72 | 75.3 | 67.8 | 56.8 | 47.1 |
| | | 80/67 | 62.6 | 54.6 | 44.2 | 34.5 |
| | | 75/62 | 50.2 | 41.3 | 32.0 | 22.9 |
| | | 70/57 | 37.8 | 30.1 | 21.5 | 16.2 |
| 36B | 1200 | 85/72 | 91.6 | 82.4 | 71.3 | 59.4 |
| | | 80/67 | 76.5 | 65.4 | 54.6 | 42.8 |
| | | 75/62 | 61.3 | 51.2 | 40.0 | 30.5 |
| | | 70/57 | 47.5 | 38.1 | 28.7 | 22.3 |
| 36C | 1200 | 85/72 | 91.6 | 82.4 | 71.3 | 59.4 |
| | | 80/67 | 76.5 | 65.4 | 54.6 | 42.8 |
| | | 75/62 | 61.3 | 51.2 | 40.0 | 30.5 |
| | | 70/57 | 47.5 | 38.1 | 28.7 | 22.3 |
| 42C | 1400 | 85/72 | 108.0 | 98.4 | 88.1 | 73.8 |
| | | 80/67 | 93.3 | 82.1 | 69.7 | 57.0 |
| | | 75/62 | 75.9 | 64.4 | 53.1 | 41.9 |
| | | 70/57 | 60.7 | 49.9 | 39.4 | 32.4 |
| 48C | 1600 | 85/72 | 115.2 | 105.0 | 93.9 | 79.0 |
| | | 80/67 | 88.3 | 78.2 | 65.5 | 52.6 |
| | | 75/62 | 72.7 | 60.8 | 50.1 | 37.6 |
| | | 70/57 | 57.7 | 46.9 | 36.6 | 29.7 |
| 48D | 1600 | 85/72 | 115.2 | 105.0 | 93.9 | 79.0 |
| | | 80/67 | 88.3 | 78.2 | 65.5 | 52.6 |
| | | 75/62 | 72.7 | 60.8 | 50.1 | 37.6 |
| | | 70/57 | 57.7 | 46.9 | 36.6 | 29.7 |
| 60C | 1800 | 85/72 | 115.1 | 103.0 | 91.7 | 78.6 |
| | | 80/67 | 96.8 | 85.9 | 73.7 | 60.5 |
| | | 75/62 | 80.7 | 69.4 | 57.5 | 43.5 |
| | | 70/57 | 58.7 | 48.9 | 37.7 | 32.7 |
| 60D | 1800 | 85/72 | 133.6 | 118.5 | 103.2 | 86.6 |
| | | 80/67 | 111.4 | 96.2 | 80.3 | 62.8 |
| | | 75/62 | 90.7 | 75.1 | 60.0 | 43.5 |
| | | 70/57 | 70.6 | 56.9 | 42.5 | 32.8 |

1. Actual capacity varies with the outdoor A/C or H/P that is used with the system.
2. Airflow is calculated for each system tonnage.

PHYSICAL & ELECTRICAL DATA - COOLING ONLY

| Models | | 18B | 24B | 30B | 36B | 36C |
|----------------------------------|--------------------|-------------------------|-------------|-------------|-------------|-------------|
| Blower - Diameter x Width | | 10 x 8 | 10 x 8 | 10 x 8 | 10 x 8 | 11 x 10 |
| Motor | HP | 1/3 HP | 1/3 HP | 1/3 HP | 1/2 HP | 1/2 HP |
| | Nominal RPM | 1050 | 1050 | 1050 | 1050 | 1050 |
| Voltage | | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| Full Load Amps @230V | | 2.6 | 2.6 | 2.6 | 3.8 | 3.8 |
| Filter ¹ | Type | DISPOSABLE OR PERMANENT | | | | |
| | Size | 16 x 20 x 1 | 16 x 20 x 1 | 16 x 20 x 1 | 16 x 20 x 1 | 20 x 20 x 1 |
| | Permanent Type Kit | 1PF0601 | 1PF0601 | 1PF0601 | 1PF0601 | 1PF0602 |
| Shipping Operating Weight (lbs.) | | 91/85 | 93/87 | 119/113 | 119/113 | 120/114 |

| Models | | 42C | 48C | 48D | 60C | 60D |
|----------------------------------|--------------------|-------------------------|-------------|-------------|-------------|-------------|
| Blower - Diameter x Width | | 11 x 10 | 11 x 10 | 11 x 10 | 11 x 10 | 11 x 10 |
| Motor | HP | 1/2 HP | 3/4 HP | 3/4 HP | 3/4 HP | 3/4 HP |
| | Nominal RPM | 1050 | 1050 | 1050 | 1050 | 1050 |
| Voltage | | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| Full Load Amps @230V | | 3.8 | 5.4 | 5.4 | 5.4 | 5.4 |
| Filter ¹ | Type | DISPOSABLE OR PERMANENT | | | | |
| | Size | 20 x 20 x 1 | 20 x 20 x 1 | 22 x 20 x 1 | 20 x 20 x 1 | 22 x 20 x 1 |
| | Permanent Type Kit | 1PF0602 | 1PF0602 | 1PF0603 | 1PF0602 | 1PF0603 |
| Shipping Operating Weight (lbs.) | | 144/136 | 158/150 | 163/153 | 156/146 | 180/170 |

1. Field supplied.

kW & 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 | NOMINAL VOLTAGE | CONVERSION FACTOR |
|--------------------|-----------------|-------------------|
| 208V | 240V | 0.75 |
| 220V | 240V | 0.84 |
| 230V | 240V | 0.92 |

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 |

ELECTRICAL DATA - COOLING ONLY

| Models | Motor FLA ¹ | Minimum Circuit Ampacity | MOP ² |
|-----------------|------------------------|--------------------------|------------------|
| 18B/24B/30B | 2.6 | 3.3 | 15 |
| 36B/36C/42C | 3.8 | 4.8 | 15 |
| 48C/48D/60C/60D | 5.4 | 6.8 | 15 |

1. FLA = Full Load Amps

2. MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. Refer to the latest edition of the National Electric Code or in Canada the Canadian electrical Code and local codes to determine correct wire sizing.

ELECTRICAL HEAT - MINIMUM FAN SPEED

| Heater Kit Models ^{1,2,3} | Nom. kW @240V | Air Handler Models | | | | | | | | | | |
|------------------------------------|---------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 18B | 24B | 30B | 36B | 36C | 42C | 48C | 48D | 60C | 60D | |
| 6HK(0,1)6500206 | 2.4kW | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) |
| 6HK(0,1)6500506 | 4.8kW | Med Lo (#2) | Med (#3) | Med (#3) | Med Lo (#2) | Med (#3) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) |
| 6HK(0,1)6500806 | 7.7kW | Med (#3) | Med Hi (#4) | Med Hi (#4) | Med Lo (#2) | Med Hi (#4) | Med (#3) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) |
| 6HK(0,1)6501006 6HK36501025 | 9.6kW | Med (#3) | Med Hi (#4) | Med Hi (#4) | Med Lo (#2) | Med Hi (#4) | Med (#3) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) |
| 6HK(1,2)6501306 | 12.5kW | – | Med Hi (#4) | Med Hi (#4) | Med (#3) | Med Hi (#4) | Med (#3) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) |
| 6HK(1,2)6501506 6HK36501525 | 14.4kW | – | – | Med Hi (#4) | Med Hi (#4) | Med Hi (#4) | Hi (#5) | Med (#3) | Med (#3) | Med Lo (#2) | Med Lo (#2) | Med Lo (#2) |
| 6HK(1,2)6501806 6HK36501825 | 17.3kW | – | – | – | Med Hi (#4) | Med Hi (#4) | Hi (#5) | Med (#3) | Med Hi (#4) | Med (#3) | Med (#3) | Med (#3) |
| 6HK(1,2)6502006 6HK46502025 | 19.2kW | – | – | – | Med Hi (#4) | Hi (#5) | Hi (#5) | Med Hi (#4) | Hi (#5) | Med Hi (#4) | Med Hi (#4) | Med Hi (#4) |
| 6HK(1,2)6502506 6HK46502525 | 24kW | – | – | – | – | – | – | – | Hi (#5) | – | – | Med Hi (#4) |

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 & breaker jumper bar.

3. 6HK3 = 3-Phase with terminal block connectors only, 6HK4 = 3-Phase with service disconnect.

ELECTRIC HEAT PERFORMANCE DATA: 208/230-1-60 & 208/230-3-60

| Heater Models ^{1,2,3} | | Nominal kW @240V | Total Heat ⁴ | | | | kW Staging | | | |
|--------------------------------|-----------------|------------------|-------------------------|------|------|------|------------|------|---------|------|
| | | | kW | | MBH | | W1 Only | | W1 + W2 | |
| | | | 208V | 230V | 208V | 230V | 208V | 230V | 208V | 230V |
| 1PH | 6HK(0,1)6500206 | 2.4 | 1.8 | 2.2 | 6.2 | 7.5 | 1.8 | 2.2 | 1.8 | 2.2 |
| | 6HK(0,1)6500506 | 4.8 | 3.6 | 4.4 | 12.3 | 15 | 3.6 | 4.4 | 3.6 | 4.4 |
| | 6HK(0,1)6500806 | 7.7 | 5.8 | 7.1 | 19.7 | 24.1 | 5.8 | 7.1 | 5.8 | 7.1 |
| | 6HK(0,1)6501006 | 9.6 | 7.2 | 8.8 | 24.6 | 30.1 | 7.2 | 8.8 | 7.2 | 8.8 |
| | 6HK(1,2)6501306 | 12.5 | 9.4 | 11.5 | 32 | 39.2 | 3.1 | 3.8 | 9.4 | 11.5 |
| | 6HK(1,2)6501506 | 14.4 | 10.8 | 13.2 | 36.9 | 45.1 | 3.6 | 4.4 | 10.8 | 13.2 |
| | 6HK(1,2)6501806 | 17.3 | 13 | 15.9 | 44.3 | 54.2 | 6.5 | 7.9 | 13 | 15.9 |
| | 6HK(1,2)6502006 | 19.2 | 14.4 | 17.6 | 49.2 | 60.2 | 7.2 | 8.8 | 14.4 | 17.6 |
| | 6HK(1,2)6502506 | 24 | 18 | 22 | 61.5 | 75.2 | 7.2 | 8.8 | 18 | 22 |
| 3PH | 6HK36501025 | 9.6 | 7.2 | 8.8 | 24.6 | 30.1 | 7.2 | 8.8 | 7.2 | 8.8 |
| | 6HK36501525 | 14.4 | 10.8 | 13.2 | 36.9 | 45.1 | 10.8 | 13.2 | 10.8 | 13.2 |
| | 6HK36501825 | 17.3 | 13 | 15.9 | 44.3 | 54.2 | 13 | 15.9 | 13 | 15.9 |
| | 6HK46502025 | 19.2 | 14.4 | 17.6 | 49.2 | 60.2 | 7.2 | 8.8 | 14.4 | 17.6 |
| | 6HK46502525 | 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 & breaker jumper bar.

3. 6HK3 = 3-Phase with terminal block connectors only, 6HK4 = 3-Phase with service disconnect.

4. For different power distributions, see conversion table on Page 5.

ELECTRICAL DATA FOR SINGLE SOURCE POWER SUPPLY: 208/230-1-60

| Air Handler Models | Heater Models ^{1,2} | Heater Amps @240V | Field Wiring | | | |
|--------------------|------------------------------|-------------------|-----------------------|-------|-------------------|------|
| | | | Min. Circuit Ampacity | | MOP. ³ | |
| | | | 208V | 230V | 208V | 230V |
| 18B | 6HK(0,1)6500206 | 10 | 14.9 | 16.1 | 15 | 20 |
| | 6HK(0,1)6500506 | 20 | 25.8 | 28.0 | 30 | 30 |
| | 6HK(0,1)6500806 | 32 | 39.0 | 42.7 | 40 | 45 |
| | 6HK(0,1)6501006 | 40 | 47.4 | 52.0 | 50 | 60 |
| 24B | 6HK(0,1)6500206 | 10 | 14.9 | 16.1 | 15 | 20 |
| | 6HK(0,1)6500506 | 20 | 25.8 | 28.0 | 30 | 30 |
| | 6HK(0,1)6500806 | 32 | 39.0 | 42.7 | 40 | 45 |
| | 6HK(0,1)6501006 | 40 | 47.4 | 52.0 | 50 | 60 |
| | 6HK(1,2)6501306 | 52 | 60.6 | 66.6 | 70 | 70 |
| 30B | 6HK(0,1)6500206 | 10 | 14.9 | 16.1 | 15 | 20 |
| | 6HK(0,1)6500506 | 20 | 25.8 | 28.0 | 30 | 30 |
| | 6HK(0,1)6500806 | 32 | 39.0 | 42.7 | 40 | 45 |
| | 6HK(0,1)6501006 | 40 | 47.4 | 52.0 | 50 | 60 |
| | 6HK(1,2)6501306 | 52 | 60.6 | 66.6 | 70 | 70 |
| | 6HK(1,2)6501506 | 60 | 69.0 | 75.9 | 70 | 80 |
| 36B | 6HK(0,1)6500206 | 10 | 16.8 | 18.0 | 20 | 20 |
| | 6HK(0,1)6500506 | 20 | 27.6 | 29.9 | 30 | 30 |
| | 6HK(0,1)6500806 | 32 | 40.9 | 44.6 | 45 | 45 |
| | 6HK(0,1)6501006 | 40 | 49.3 | 53.8 | 50 | 60 |
| | 6HK(1,2)6501306 | 52 | 62.5 | 68.5 | 70 | 70 |
| | 6HK(1,2)6501506 | 60 | 70.9 | 77.7 | 80 | 80 |
| | 6HK(1,2)6501806 | 72 | 84.1 | 92.4 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 92.5 | 101.7 | 100 | 110 |
| 36C | 6HK(0,1)6500206 | 10 | 16.8 | 18.0 | 20 | 20 |
| | 6HK(0,1)6500506 | 20 | 27.6 | 29.9 | 30 | 30 |
| | 6HK(0,1)6500806 | 32 | 40.9 | 44.6 | 45 | 45 |
| | 6HK(0,1)6501006 | 40 | 49.3 | 53.8 | 50 | 60 |
| | 6HK(1,2)6501306 | 52 | 62.5 | 68.5 | 70 | 70 |
| | 6HK(1,2)6501506 | 60 | 70.9 | 77.7 | 80 | 80 |
| | 6HK(1,2)6501806 | 72 | 84.1 | 92.4 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 92.5 | 101.7 | 100 | 110 |
| 42C | 6HK(0,1)6500206 | 10 | 16.8 | 18.0 | 20 | 20 |
| | 6HK(0,1)6500506 | 20 | 27.6 | 29.9 | 30 | 30 |
| | 6HK(0,1)6500806 | 32 | 40.9 | 44.6 | 45 | 45 |
| | 6HK(0,1)6501006 | 40 | 49.3 | 53.8 | 50 | 60 |
| | 6HK(1,2)6501306 | 52 | 62.5 | 68.5 | 70 | 70 |
| | 6HK(1,2)6501506 | 60 | 70.9 | 77.7 | 80 | 80 |
| | 6HK(1,2)6501806 | 72 | 84.1 | 92.4 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 92.5 | 101.7 | 100 | 110 |
| 48C | 6HK(0,1)6500206 | 10 | 19.3 | 20.5 | 20 | 25 |
| | 6HK(0,1)6500506 | 20 | 30.1 | 32.4 | 35 | 35 |
| | 6HK(0,1)6500806 | 32 | 43.4 | 47.1 | 45 | 50 |
| | 6HK(0,1)6501006 | 40 | 51.8 | 56.3 | 60 | 60 |
| | 6HK(1,2)6501306 | 52 | 65.0 | 71.0 | 70 | 80 |
| | 6HK(1,2)6501506 | 60 | 73.4 | 80.2 | 80 | 90 |
| | 6HK(1,2)6501806 | 72 | 86.6 | 94.9 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 95.0 | 104.2 | 100 | 110 |

For notes, see Page 8.

ELECTRICAL DATA FOR SINGLE SOURCE POWER SUPPLY: 208/230-1-60 (Continued)

| Air Handler Models | Heater Models ^{1,2} | Heater Amps @240V | Field Wiring | | | |
|--------------------|------------------------------|-------------------|-----------------------|-------|-------------------|------|
| | | | Min. Circuit Ampacity | | MOP. ³ | |
| | | | 208V | 230V | 208V | 230V |
| 48D | 6HK(0,1)6500206 | 10 | 19.3 | 20.5 | 20 | 25 |
| | 6HK(0,1)6500506 | 20 | 30.1 | 32.4 | 35 | 35 |
| | 6HK(0,1)6500806 | 32 | 43.4 | 47.1 | 45 | 50 |
| | 6HK(0,1)6501006 | 40 | 51.8 | 56.3 | 60 | 60 |
| | 6HK(1,2)6501306 | 52 | 65.0 | 71.0 | 70 | 80 |
| | 6HK(1,2)6501506 | 60 | 73.4 | 80.2 | 80 | 90 |
| | 6HK(1,2)6501806 | 72 | 86.6 | 94.9 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 95.0 | 104.2 | 100 | 110 |
| 60C | 6HK(0,1)6500206 | 10 | 19.3 | 20.5 | 20 | 25 |
| | 6HK(0,1)6500506 | 20 | 30.1 | 32.4 | 35 | 35 |
| | 6HK(0,1)6500806 | 32 | 43.4 | 47.1 | 45 | 50 |
| | 6HK(0,1)6501006 | 40 | 51.8 | 56.3 | 60 | 60 |
| | 6HK(1,2)6501306 | 52 | 65.0 | 71.0 | 70 | 80 |
| | 6HK(1,2)6501506 | 60 | 73.4 | 80.2 | 80 | 90 |
| | 6HK(1,2)6501806 | 72 | 86.6 | 94.9 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 95.0 | 104.2 | 100 | 110 |
| 60D | 6HK(0,1)6500206 | 10 | 19.3 | 20.5 | 20 | 25 |
| | 6HK(0,1)6500506 | 20 | 30.1 | 32.4 | 35 | 35 |
| | 6HK(0,1)6500806 | 32 | 43.4 | 47.1 | 45 | 50 |
| | 6HK(0,1)6501006 | 40 | 51.8 | 56.3 | 60 | 60 |
| | 6HK(1,2)6501306 | 52 | 65.0 | 71.0 | 70 | 80 |
| | 6HK(1,2)6501506 | 60 | 73.4 | 80.2 | 80 | 90 |
| | 6HK(1,2)6501806 | 72 | 86.6 | 94.9 | 90 | 100 |
| | 6HK(1,2)6502006 | 80 | 95.0 | 104.2 | 100 | 110 |
| | 6HK(1,2)6502506 | 100 | 116.7 | 128.1 | 125 | 150 |

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

2. (1,2) maybe 1 (with service disconnect, no breaker jumper bar) or 2 (with service disconnect & 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.

ELECTRICAL DATA FOR MULTI-SOURCE POWER SUPPLY: 208/230-1-60

| Air Handlers Models | Heater Models | Heater Amps @240V | Min. Circuit Ampacity | | | | | | MOP ¹ | | | | | |
|---------------------------|------------------|-------------------------|-----------------------|------|------|------------------|------|------|------------------|-----|-----|------------------|-----|-----|
| | | | 208V | | | 230V | | | 208V | | | 230V | | |
| | | | Circuit | | | | | | Circuit | | | | | |
| | | | 1st ³ | 2nd | 3rd | 1st ³ | 2nd | 3rd | 1st ³ | 2nd | 3rd | 1st ³ | 2nd | 3rd |
| 24B | 6HK16501306 | 52 | 22.9 | 37.6 | – | 24.9 | 41.5 | – | 25 | 40 | – | 25 | 45 | – |
| 30B | 6HK16501306 | 52 | 22.9 | 37.6 | – | 24.9 | 41.5 | – | 25 | 40 | – | 25 | 45 | – |
| | 6HK16501506 | 60 | 25.8 | 43.3 | – | 28.1 | 47.9 | – | 25 | 45 | – | 30 | 50 | – |
| 36B | 6HK16501306 | 52 | 24.8 | 37.6 | – | 26.8 | 41.5 | – | 25 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 27.7 | 43.3 | – | 30.0 | 47.9 | – | 30 | 45 | – | 30 | 50 | – |
| | 6HK16501806 | 72 | 45.0 | 39.0 | – | 49.1 | 43.1 | – | 45 | 40 | – | 50 | 45 | – |
| | 6HK16502006 | 80 | 49.3 | 43.3 | – | 53.9 | 47.9 | – | 50 | 45 | – | 60 | 50 | – |
| 36C | 6HK16501306 | 52 | 24.8 | 37.6 | – | 26.8 | 41.5 | – | 25 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 27.7 | 43.3 | – | 30.0 | 47.9 | – | 30 | 45 | – | 30 | 50 | – |
| | 6HK16501806 | 72 | 45.0 | 39.0 | – | 49.1 | 43.1 | – | 45 | 40 | – | 50 | 45 | – |
| | 6HK16502006 | 80 | 49.3 | 43.3 | – | 53.9 | 47.9 | – | 50 | 45 | – | 60 | 50 | – |
| 42C | 6HK16501306 | 52 | 24.8 | 37.6 | – | 26.8 | 41.5 | – | 25 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 27.7 | 43.3 | – | 30.0 | 47.9 | – | 30 | 45 | – | 30 | 50 | – |
| | 6HK16501806 | 72 | 45.0 | 39.0 | – | 49.1 | 43.1 | – | 45 | 40 | – | 50 | 45 | – |
| | 6HK16502006 | 80 | 49.3 | 43.3 | – | 53.9 | 47.9 | – | 50 | 45 | – | 60 | 50 | – |
| 48C | 6HK16501306 | 52 | 27.3 | 37.6 | – | 29.3 | 41.5 | – | 30 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 30.2 | 43.3 | – | 32.5 | 47.9 | – | 35 | 45 | – | 35 | 50 | – |
| | 6HK16501806 | 72 | 47.5 | 39.0 | – | 51.6 | 43.1 | – | 50 | 40 | – | 60 | 45 | – |
| | 6HK16502006 | 80 | 51.8 | 43.3 | – | 56.4 | 47.9 | – | 50 | 45 | – | 60 | 50 | – |
| 48D | 6HK16501306 | 52 | 27.3 | 37.7 | – | 29.3 | 41.5 | – | 30 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 30.1 | 43.3 | – | 32.5 | 47.9 | – | 35 | 45 | – | 35 | 50 | – |
| | 6HK16501806 | 72 | 47.6 | 39.1 | – | 51.6 | 43.1 | – | 50 | 40 | – | 60 | 45 | – |
| | 6HK16502006 | 80 | 51.8 | 43.3 | – | 56.4 | 47.9 | – | 50 | 45 | – | 60 | 50 | – |
| | 6HK16502506 | 100 | 51.8 | 43.3 | 21.6 | 56.4 | 47.9 | 24.0 | 60 | 45 | 25 | 60 | 50 | 25 |
| 60C | 6HK16501306 | 52 | 27.3 | 37.6 | – | 29.3 | 41.5 | – | 30 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 30.2 | 43.3 | – | 32.5 | 47.9 | – | 35 | 45 | – | 35 | 50 | – |
| | 6HK16501806 | 72 | 47.5 | 39.0 | – | 51.6 | 43.1 | – | 50 | 40 | – | 60 | 45 | – |
| | 6HK16502006 | 80 | 51.8 | 43.3 | – | 56.4 | 47.9 | – | 60 | 45 | – | 60 | 50 | – |
| 60D | 6HK16501306 | 52 | 27.3 | 37.6 | – | 29.3 | 41.5 | – | 30 | 40 | – | 30 | 45 | – |
| | 6HK16501506 | 60 | 30.2 | 43.3 | – | 32.5 | 47.9 | – | 35 | 45 | – | 35 | 50 | – |
| | 6HK16501806 | 72 | 47.5 | 39.0 | – | 51.6 | 43.1 | – | 50 | 40 | – | 60 | 45 | – |
| | 6HK16502006 | 80 | 51.8 | 43.3 | – | 56.4 | 47.9 | – | 60 | 45 | – | 60 | 50 | – |
| | 6HK16502506 | 100 | 51.8 | 43.3 | 21.7 | 56.4 | 47.9 | 24.0 | 60 | 45 | 25 | 60 | 50 | 25 |

1. MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. The 1st 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.

ELECTRICAL DATA FOR SINGLE SOURCE POWER SUPPLY: 208/230-3-60

| Air Handler Models | Heater Models ¹ | Heater Amps @240V | Field Wiring | | | |
|--------------------|----------------------------|-------------------|-----------------------|------|-------------------|------|
| | | | Min. Circuit Ampacity | | MOP. ² | |
| | | | 208V | 230V | 208V | 230V |
| 18B | 6HK36501025 | 23.1 | 28.3 | 30.9 | 30 | 35 |
| 24B | 6HK36501025 | 23.1 | 28.3 | 30.9 | 30 | 35 |
| 30B | 6HK36501025 | 23.1 | 28.3 | 30.9 | 30 | 35 |
| | 6HK36501525 | 34.6 | 40.7 | 44.7 | 45 | 45 |
| 36B | 6HK36501025 | 23.1 | 29.8 | 32.4 | 30 | 35 |
| | 6HK36501525 | 34.6 | 42.2 | 46.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 49.8 | 54.6 | 50 | 55 |
| | 6HK46502025* | 46.2 | 54.8 | 60.1 | 55 | 70 |
| 36C | 6HK36501025 | 23.1 | 29.8 | 32.4 | 30 | 35 |
| | 6HK36501525 | 34.6 | 42.2 | 46.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 49.8 | 54.6 | 50 | 55 |
| | 6HK46502025* | 46.2 | 54.8 | 60.1 | 55 | 70 |
| 42C | 6HK36501025 | 23.1 | 29.8 | 32.4 | 30 | 35 |
| | 6HK36501525 | 34.6 | 42.2 | 46.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 49.8 | 54.6 | 50 | 55 |
| | 6HK46502025* | 46.2 | 54.8 | 60.1 | 55 | 70 |
| 48C | 6HK36501025 | 23.1 | 31.8 | 34.4 | 35 | 35 |
| | 6HK36501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 51.8 | 56.6 | 55 | 60 |
| | 6HK46502025* | 46.2 | 56.8 | 62.1 | 60 | 70 |
| 48D | 6HK36501025 | 23.1 | 31.8 | 34.4 | 35 | 35 |
| | 6HK36501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 51.8 | 56.6 | 55 | 60 |
| | 6HK46502025* | 46.2 | 56.8 | 62.1 | 60 | 70 |
| | 6HK46502525* | 57.7 | 69.3 | 75.9 | 70 | 80 |
| 60C | 6HK36501025 | 23.1 | 31.8 | 34.4 | 35 | 35 |
| | 6HK36501525 | 34.6 | 44.2 | 48.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 51.8 | 56.6 | 55 | 60 |
| | 6HK46502025* | 46.2 | 56.8 | 62.1 | 60 | 70 |
| 60D | 6HK36501025 | 23.1 | 31.8 | 34.4 | 35 | 35 |
| | 6HK36501525 | 34.6 | 44.3 | 48.2 | 45 | 50 |
| | 6HK36501825 | 41.6 | 51.9 | 56.7 | 55 | 60 |
| | 6HK46502025* | 46.2 | 56.8 | 62.0 | 60 | 70 |
| | 6HK46502525* | 57.7 | 69.3 | 75.9 | 70 | 80 |

1. Asterisk (*) denotes the 20kW and 25kW heater models (6HK46502025 and 6HK46502525) come with service disconnects standard. Single source power MCA and MOP requirements are given here only for reference if used with field installed single point power modification (S1-32436041000).

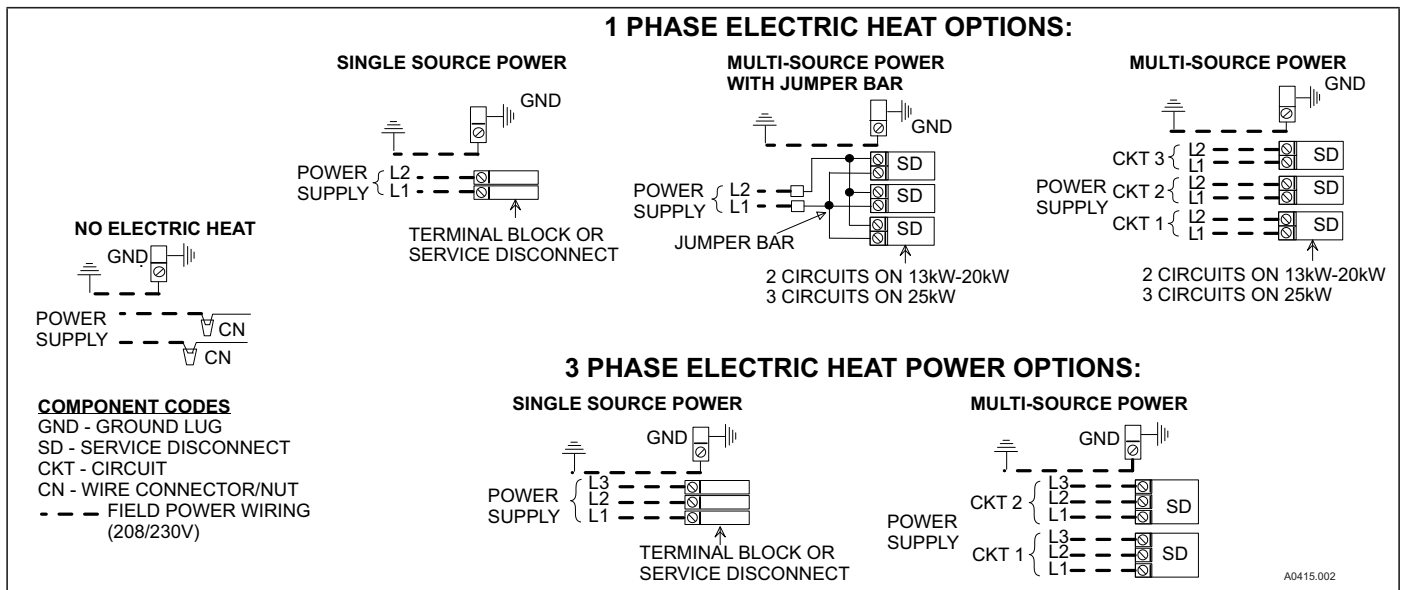
2. MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. The 1st circuit includes blower motor amps. Refer to the latest edition of the National Electric Code or in Canada the Canadian electrical Code and local codes to determine correct wire sizing.

ELECTRICAL DATA FOR MULTI-SOURCE POWER SUPPLY: 208/230-3-60

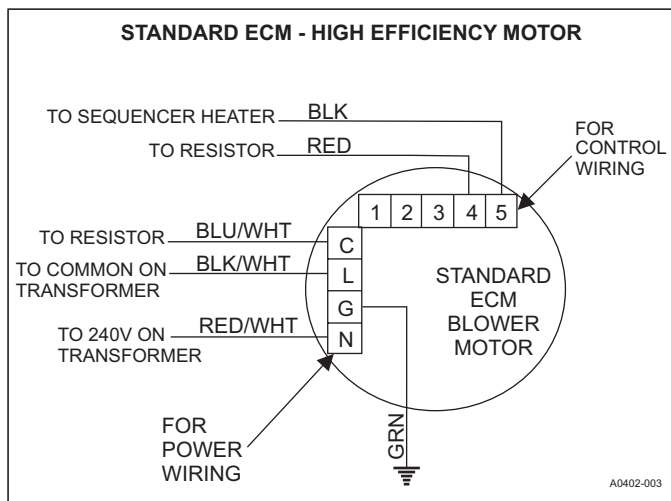
| Air Handlers Models | Heater Models ^{1,2} | Heater Amps @240V | Min. Circuit Ampacity | | | | MOP ³ | | | |
|---------------------|------------------------------|-------------------|-----------------------|------|------------------|------|------------------|-----|------------------|-----|
| | | | 208V | | 230V | | 208V | | 230V | |
| | | | Circuit | | | | Circuit | | | |
| | | | 1st ³ | 2nd | 1st ³ | 2nd | 1st ³ | 2nd | 1st ³ | 2nd |
| 36B | 6HK46502025 | 46.2 | 29.8 | 25.0 | 32.4 | 27.6 | 30 | 25 | 35 | 30 |
| 36C | 6HK46502025 | 46.2 | 29.8 | 25.0 | 32.4 | 27.6 | 30 | 25 | 35 | 30 |
| 42C | 6HK46502025 | 46.2 | 29.8 | 25.0 | 32.4 | 27.6 | 30 | 25 | 35 | 30 |
| 48C | 6HK46502025 | 46.2 | 31.8 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| 48D | 6HK46502025 | 46.2 | 31.8 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| | 6HK46502525 | 57.7 | 38.0 | 31.3 | 41.3 | 34.6 | 40 | 35 | 45 | 35 |
| 60C | 6HK46502025 | 46.2 | 31.8 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| 60D | 6HK46502025 | 46.2 | 31.8 | 25.0 | 34.4 | 27.6 | 35 | 25 | 35 | 30 |
| | 6HK46502525 | 57.7 | 38.0 | 31.3 | 41.3 | 34.6 | 40 | 35 | 45 | 35 |

- (0,1) - 0 = no service disconnect OR 1 = with service disconnect.
- (1,2) - 1 = with service disconnect, no breaker jumper bar OR 2 = with service disconnect & breaker jumper bar.
- MOP = Maximum Overcurrent Protection device; must be HACR type circuit breaker or time delay fuse. The 1st 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.

POWER WIRING - LINE CONNECTIONS



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 - 6HK models shown under electrical data include sequential operation and temperature dual limit switches for safe, efficient operation. Service disconnects are provided where shown.

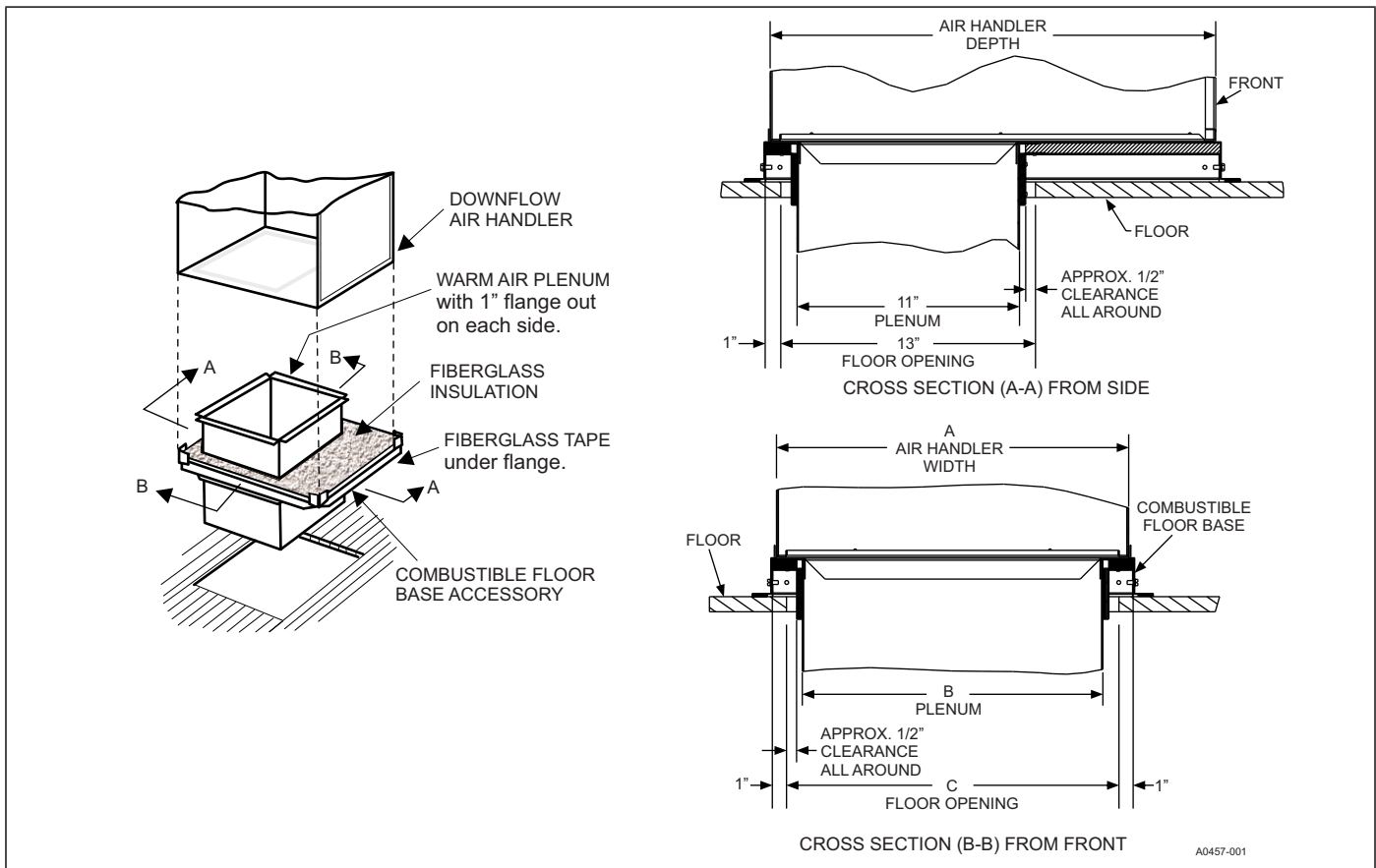
| SINGLE SOURCE POWER ACCESSORIES (SINGLE PHASE) | |
|--|---|
| S1-02435670000 | For heat kits with 2 service disconnects. |
| S1-02435671000 | For heat kits with 3 service disconnects. |
| SINGLE SOURCE POWER ACCESSORY (THREE PHASE) | |
| S1-32436041000 | Contains a terminal block and wiring to connect 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.

COMBUSTIBLE FLOOR BASE ACCESSORY



| Floor Base Models | Used with | Dimensions | | |
|-------------------|--------------------|------------|------|------|
| | | A | B | C |
| 1FB1917 | 18B, 24B, 30B, 36B | 17.5 | 14.0 | 16.0 |
| 1FB1921 | 36C, 42C, 48C, 60C | 21.0 | 17.5 | 19.5 |
| 1FB1924 | 48D, 60D | 24.5 | 21.0 | 23.0 |

LIMITATIONS

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

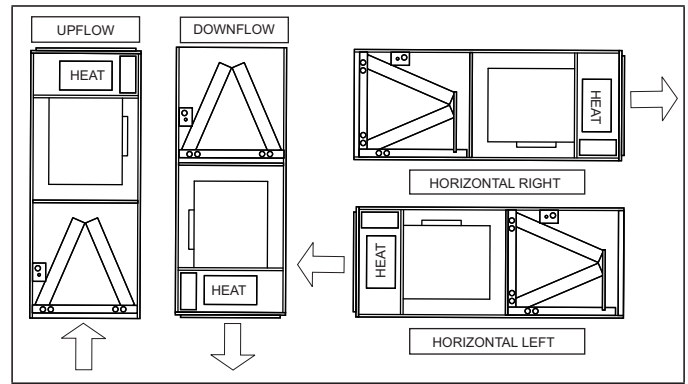
Voltage limits are as follows:

| Air Handler Voltage | Voltage code | Normal Operating Voltage Range ¹ |
|---------------------|--------------|---|
| 208/230-1-60 | 06 | 187-253 |

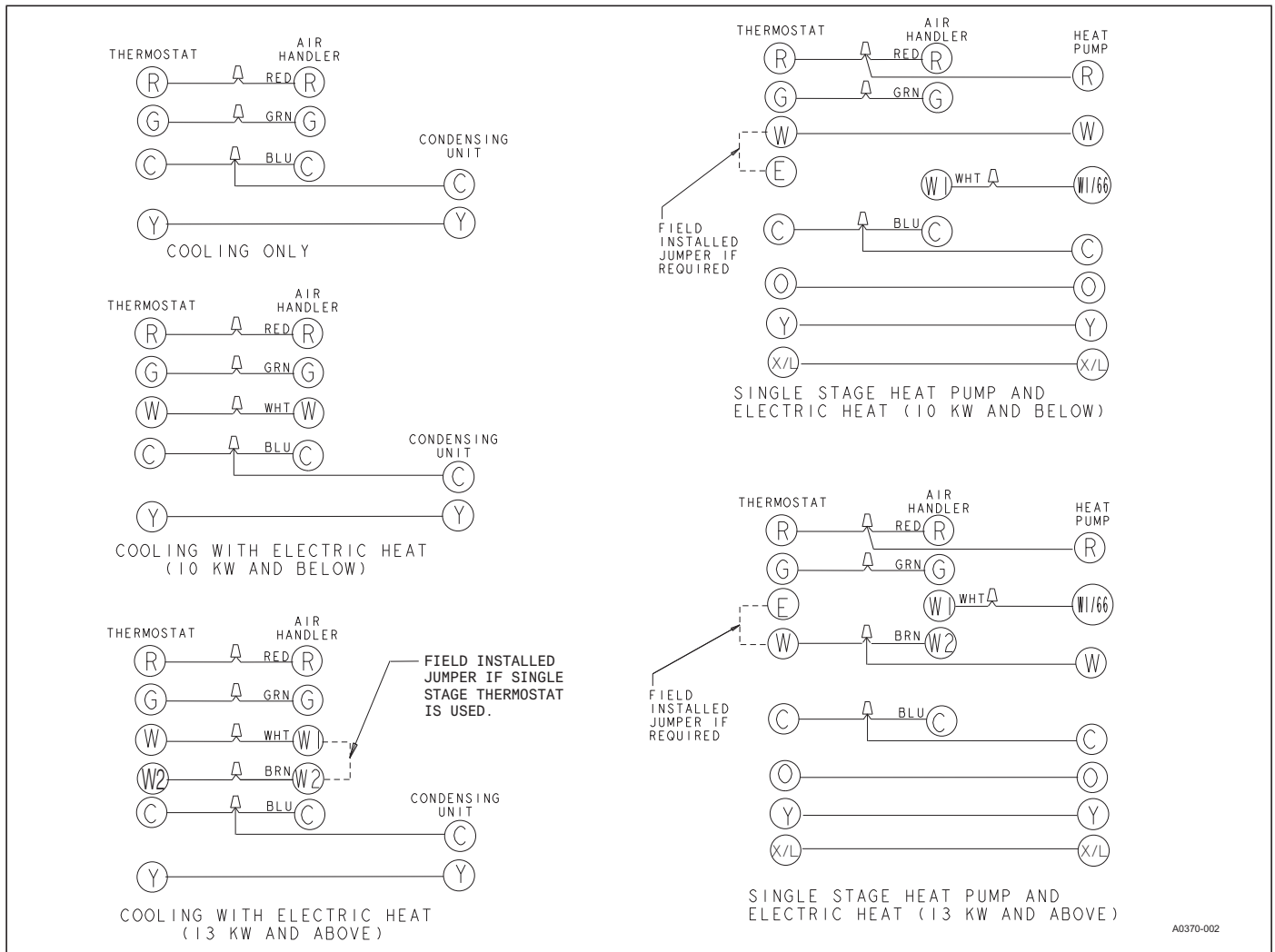
1. Rated in accordance with ARI Standard 110, utilization range "A".

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

TYPICAL APPLICATIONS



TYPICAL THERMOSTAT CONNECTION



AIR FLOW DATA (CFM)¹

| Models | Blower Motor Speed | External Static Pressure (in. wc.) | | | | | | |
|--------|--------------------|------------------------------------|------|------|------|------|------|------|
| | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 |
| 18B | #5 HI | 1132 | 1107 | 1074 | 1053 | 1023 | 990 | 955 |
| | #4 MED-HI | 1025 | 994 | 971 | 943 | 912 | 878 | 803 |
| | #3 MED | 821 | 798 | 764 | 727 | 657 | 599 | 536 |
| | #2 MED-LO | 661 | 632 | 572 | 491 | 414 | 335 | 279 |
| | #1 LO | 510 | 435 | 365 | 291 | 181 | 147 | 23 |
| 24B | #5 HI | 1117 | 1078 | 1061 | 1034 | 1007 | 985 | 955 |
| | #4 MED-HI | 1032 | 1001 | 975 | 946 | 928 | 898 | 872 |
| | #3 MED | 838 | 799 | 768 | 742 | 698 | 634 | 582 |
| | #2 MED-LO | 644 | 620 | 582 | 521 | 440 | 378 | 284 |
| | #1 LO | 474 | 421 | 336 | 279 | 187 | 144 | 70 |
| 30B | #5 HI | 1113 | 1083 | 1057 | 1034 | 1007 | 977 | 941 |
| | #4 MED-HI | 1057 | 1021 | 1000 | 977 | 947 | 914 | 881 |
| | #3 MED | 857 | 821 | 794 | 768 | 728 | 653 | 601 |
| | #2 MED-LO | 675 | 641 | 607 | 533 | 460 | 408 | 345 |
| | #1 LO | 489 | 457 | 386 | 324 | 261 | 209 | 158 |
| 36B | #5 HI | 1323 | 1287 | 1264 | 1238 | 1210 | 1177 | 1149 |
| | #4 MED-HI | 1255 | 1222 | 1193 | 1170 | 1140 | 1113 | 1081 |
| | #3 MED | 1052 | 1025 | 992 | 967 | 927 | 857 | 811 |
| | #2 MED-LO | 855 | 823 | 799 | 739 | 691 | 637 | 572 |
| | #1 LO | 653 | 622 | 574 | 507 | 463 | 411 | 353 |
| 36C | #5 HI | 1562 | 1531 | 1496 | 1453 | 1416 | 1381 | 1348 |
| | #4 MED-HI | 1277 | 1240 | 1206 | 1165 | 1133 | 1083 | 1025 |
| | #3 MED | 1078 | 1043 | 996 | 957 | 899 | 819 | 770 |
| | #2 MED-LO | 881 | 836 | 810 | 749 | 658 | 578 | 537 |
| | #1 LO | 707 | 677 | 595 | 524 | 451 | 405 | 346 |
| 42C | #5 HI | 1594 | 1564 | 1530 | 1497 | 1459 | 1424 | 1382 |
| | #4 MED-HI | 1442 | 1408 | 1374 | 1338 | 1298 | 1251 | 1199 |
| | #3 MED | 1249 | 1215 | 1179 | 1135 | 1082 | 1016 | 956 |
| | #2 MED-LO | 1048 | 1008 | 962 | 905 | 840 | 761 | 683 |
| | #1 LO | 881 | 833 | 786 | 708 | 623 | 540 | 481 |
| 48C | #5 HI | 1759 | 1719 | 1685 | 1644 | 1611 | 1578 | 1540 |
| | #4 MED-HI | 1684 | 1639 | 1606 | 1569 | 1536 | 1489 | 1452 |
| | #3 MED | 1511 | 1460 | 1427 | 1388 | 1347 | 1308 | 1262 |
| | #2 MED-LO | 1305 | 1260 | 1212 | 1178 | 1121 | 1076 | 1027 |
| | #1 LO | 1123 | 1068 | 1029 | 985 | 909 | 793 | 769 |
| 48D | #5 HI | 1774 | 1726 | 1684 | 1651 | 1614 | 1574 | 1529 |
| | #4 MED-HI | 1709 | 1668 | 1619 | 1580 | 1548 | 1499 | 1459 |
| | #3 MED | 1484 | 1436 | 1410 | 1372 | 1321 | 1284 | 1237 |
| | #2 MED-LO | 1295 | 1254 | 1218 | 1167 | 1114 | 1069 | 1005 |
| | #1 LO | 1102 | 1051 | 1011 | 962 | 890 | 831 | 766 |
| 60C | #5 HI | 1964 | 1930 | 1897 | 1858 | 1823 | 1789 | 1752 |
| | #4 MED-HI | 1889 | 1855 | 1818 | 1791 | 1747 | 1716 | 1668 |
| | #3 MED | 1693 | 1652 | 1627 | 1584 | 1551 | 1510 | 1462 |
| | #2 MED-LO | 1486 | 1450 | 1411 | 1375 | 1335 | 1291 | 1252 |
| | #1 LO | 1292 | 1247 | 1207 | 1172 | 1123 | 1055 | 990 |
| 60D | #5 HI | 1907 | 1871 | 1835 | 1796 | 1762 | 1723 | 1681 |
| | #4 MED-HI | 1851 | 1816 | 1774 | 1742 | 1699 | 1659 | 1616 |
| | #3 MED | 1648 | 1608 | 1569 | 1530 | 1492 | 1445 | 1404 |
| | #2 MED-LO | 1456 | 1416 | 1371 | 1333 | 1289 | 1227 | 1163 |
| | #1 LO | 1261 | 1221 | 1172 | 1120 | 1055 | 998 | 949 |

1. Air handler units have been tested to UL 1995 / CSA 22.2 No.236 standards up to 0.50" wc. external static pressure.

Dry coil conditions only, tested without filters.

For optimal performance, external static pressures of 0.2" to 0.5" are recommended. Heating applications tested at 0.50" w.c. esp.

Airflow data shown is from testing performed at 230V. AE 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.