



Air Conditioning & Heating

AVPTC



**MULTI-POSITION, VARIABLE-SPEED,
ECM-BASED AIR HANDLER
WITH INTERNAL TXV
COMFORTBRIDGE™ COMPATIBLE
1½ TO 5 TONS**

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Product Features

- Internal factory-installed thermal expansion valves for cooling and heat pump applications
- Variable-speed ECM blower motor
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone and tablet application
- Auto configuration of the airflow and tonnage in communicating mode
- Provides constant CFM over a wide range of static pressure conditions independent of duct system
- CFM indicator
- Fault recall of six most recent faults
- Provides adjustable low CFM for efficient fan-only operation
- Improved humidity and comfort control
- Built-in compatibility with multi-stage heat pump and cooling applications
- All-aluminum evaporator coil
- AHRI certified; ETL listed

- Rigid SmartFrame™ cabinet
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- Horizontal or vertical configuration capabilities
- 21" depth for easier attic access
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Screw-less sides and back helps to reduce condensation when installed in humid locations
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Galvanized, leather grain-embossed finish
- Glue-less cabinet insulation retention
- Tool-less filter access
- Field Installed 3 kW – 25 kW electric heater kits available

**10
YEAR
PARTS
LIMITED
WARRANTY***



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.

NOMENCLATURE

| A | V | P | T | C | 25 | B | 1 | 4 | BA |
|---|------------------|---------------|---|---|-----|---|---|----|-------|
| 1 | 2 | 3 | 4 | 5 | 6,7 | 8 | 9 | 10 | 11,12 |
| BRAND | | | | | | | | | |
| A Single-Piece Air Handler | | | | | | | | | |
| UNIT APPLICATION | | | | | | | | | |
| R Multi Position PSC Motor | | | | | | | | | |
| S Multi Position EEM Motor | | | | | | | | | |
| V Multi Position Variable-Speed Motor- Communicating | | | | | | | | | |
| CABINET FINISH | | | | | | | | | |
| U Unpainted | | | | | | | | | |
| P Painted | | | | | | | | | |
| EXPANSION DEVICE | | | | | | | | | |
| F Flowrater | | | | | | | | | |
| T Expansion Device | | | | | | | | | |
| V Inverter Tuned Expansion Valve | | | | | | | | | |
| COMMUNICATIONS | | | | | | | | | |
| C = ComfortBridge™ Compatible | | | | | | | | | |
| NOMINAL CAPACITY @ 13 SEER | | | | | | | | | |
| 25 = 2 Tons | 35 = 3 Tons | 49 = 4 Tons | | | | | | | |
| 29 = 2½ Tons | 37 = 2½- 3½ Tons | 59 = 4-5 Tons | | | | | | | |
| 31 = 2½ Tons | 39 = 3 Tons | 61 = 5 Tons | | | | | | | |
| 33 = 2 Tons | | | | | | | | | |
| CABINET WIDTH | | | | | | | | | |
| B = 17½" | | | | | | | | | |
| C = 21" | | | | | | | | | |
| D = 24½" | | | | | | | | | |

| HKS | X | 03 | X | A | AA | Revisions |
|-------------------------------------|-------------------------|-------------------------|---|---|-----|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6,7 | Engineering Revisions |
| Unit Type | | | | | | |
| HKS Heat Kit for Air Handlers | | | | | | |
| Circuit Breaker | | | | | | |
| X No circuit breaker | | | | | | |
| C Circuit Breaker | | | | | | |
| Heating Capacity @ 240 Volts | | | | | | |
| 03 3.0 kW | 15 | 14.4 kW | | | | |
| 05 4.5 kW | 19 | 19.2 kW wth 150F limit | | | | |
| 06 6.0 kW | 20 | 19.2 kW with 170F limit | | | | |
| 08 8.0 kW | 25 | 25.0 kW | | | | |
| 10 9.6 kW | | | | | | |
| Phase | | | | | | |
| A Single Phase 208 V | E Three Phase 240 V | | | | | |
| B Single Phase 240 V | F Three Phase 208/240 V | | | | | |
| C Single Phase 208/240 V | G Three Phase 460 V | | | | | |
| D Three Phase 208 V | | | | | | |
| H Special case 208 V * | | | | | | |
| Cabinet Size (MAX) | | | | | | |
| C C Cabinet | | | | | | |
| D D Cabinet | | | | | | |
| X All Cabinet Sizes | | | | | | |

*Refer S&R Plate

| | AVPTC 25B14B* | AVPTC 29B14B* | AVPTC 31C14B* | AVPTC 33C14B* | AVPTC 35B14B* | AVPTC 37B14B* | AVPTC 37C14B* | AVPTC 37D14B* |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| NOMINAL RATINGS | | | | | | | | |
| Cooling (BTU/h) | 24,000 | 30,000 | 30,000 | 24,000 | 28,000 | 36,000 | 36,000 | 36,000 |
| CFM (High range) | 1085/650 | 1085/610 | 1315/870 | 1090/685 | 1020/685 | 1085/610 | 1315/870 | 1375/865 |
| BLOWER | | | | | | | | |
| Diameter | 9½" | 9½" | 10½" | 10½" | 9½" | 9½" | 10½" | 10½" |
| Width | 6" | 6" | 8" | 8" | 6" | 6" | 8" | 10½" |
| Coil Drain Connection FPT | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| SERVICE VALVE | | | | | | | | |
| Liquid | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| Suction | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| ELECTRICAL DATA | | | | | | | | |
| Voltage | 208/240 | 208/240 | 208/240 | 208/240 | 208/240 | 208/240 | 208/240 | 208/240 |
| Min Circuit Ampacity | 4.9/4.9 | 6.5/6.5 | 6.5/6.5 | 4.9/4.9 | 4.9/4.9 | 6.5/6.5 | 6.5/6.5 | 6.5/6.5 |
| Max. Overcurrent Device (amps) | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| Minimum VAC | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 |
| Maximum VAC | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 |
| BLOWER MOTOR | | | | | | | | |
| FLA | 3.9 | 5.2 | 5.2 | 3.9 | 3.9 | 5.2 | 5.2 | 5.2 |
| HP | ½ | ¾ | ¾ | ½ | ½ | ¾ | ¾ | ¾ |
| SHIP WEIGHT (LBS) | 116 | 129 | 144 | 118 | 116 | 129 | 144 | 155 |

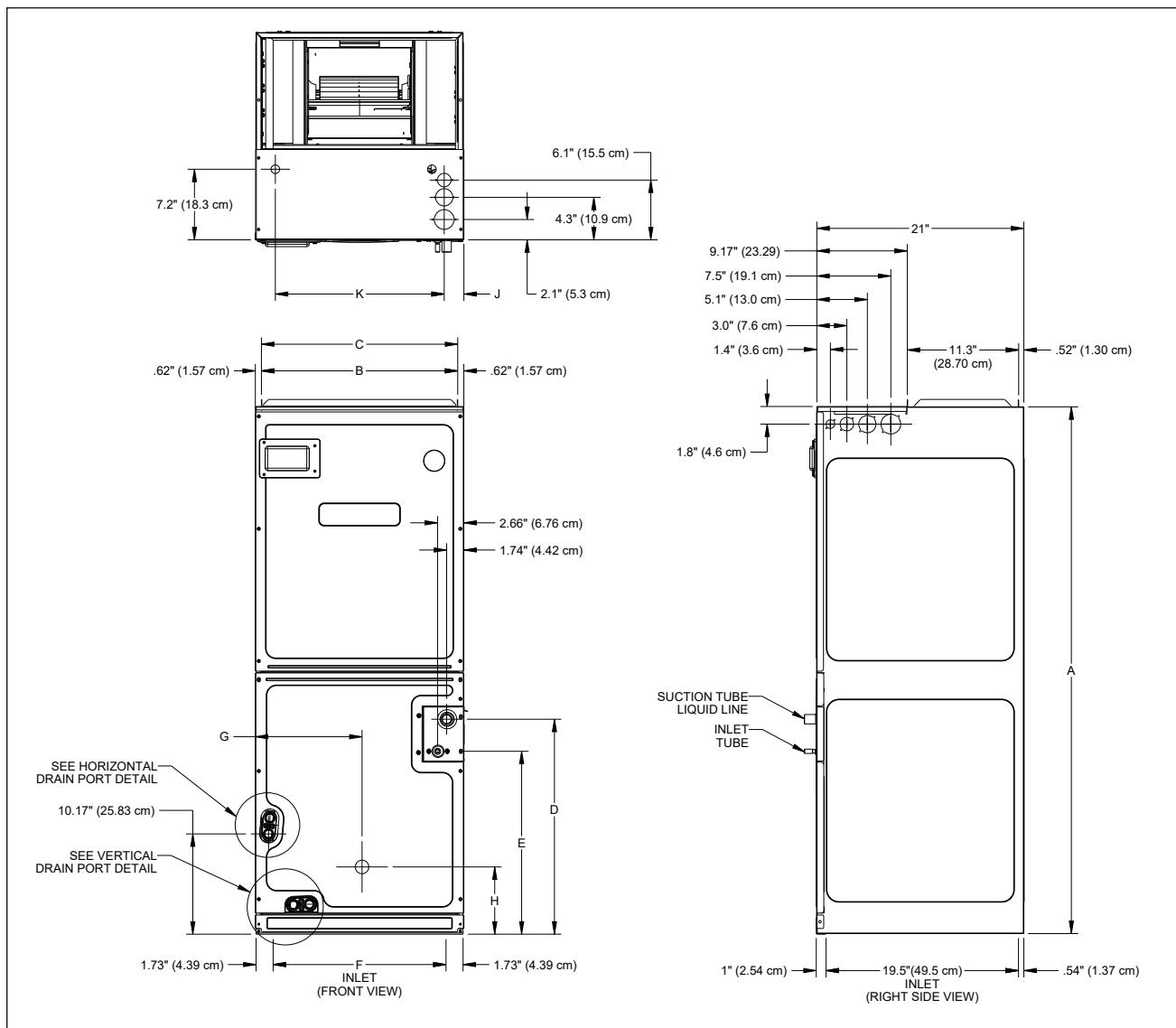
Note: Minimum Circuit Ampacity (MCA) and Maximum Overcurrent Protection (MOP) for blower without supplemental heat installed.

Refer to unit nameplate and/or Heat Kit Data for specification with approved accessory heaters installed

| | AVPTC 39C14B* | AVPTC 49C14B* | AVPTC 49D14B* | AVPTC 59C14B* | AVPTC 59D14B* | AVPTC 61D14B* |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| NOMINAL RATINGS | | | | | | |
| Cooling (BTU/h) | 36,000 | 48,000 | 42,000 | 48,000 | 48,000 | 60,000 |
| CFM (High range) | 1315/965 | 1420/1040 | 1530/1195 | 1595/875 | 1990/1445 | 2025/1630 |
| BLOWER | | | | | | |
| Diameter | 10½" | 10½" | 10½" | 10½" | 11½" | 11½" |
| Width | 8" | 8" | 10½" | 8" | 10½" | 10½" |
| Coil Drain Connection FPT | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| SERVICE VALVE | | | | | | |
| Liquid | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| Suction | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| ELECTRICAL DATA | | | | | | |
| Voltage | 208/240 | 208/240 | 208/240 | 208/240 | 208/240 | 208/240 |
| Min Circuit Ampacity | 6.5/6.5 | 6.5/6.5 | 6.5/6.5 | 8.6/8.6 | 8.6/8.6 | 8.6/8.6 |
| Max. Overcurrent Device (amps) | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| Minimum VAC | 197 | 197 | 197 | 197 | 197 | 197 |
| Maximum VAC | 253 | 253 | 253 | 253 | 253 | 253 |
| BLOWER MOTOR | | | | | | |
| FLA | 5.2 | 5.2 | 5.2 | 6.9 | 6.9 | 6.9 |
| HP | ¾ | ¾ | ¾ | 1 | 1 | 1 |
| SHIP WEIGHT (LBS) | 118 | 125 | 167 | 144 | 155 | 167 |

Note: Minimum Circuit Ampacity (MCA) and Maximum Overcurrent Protection (MOP) for blower without supplemental heat installed.

Refer to unit nameplate and/or Heat Kit Data for specification with approved accessory heaters installed



| MODEL | A | B | C | D | E | F | G | H |
|-------------|---------|---------|--------|----------|---------|----------|----------|---------|
| AVPTC25B14* | 45 | 16 1/8 | 17 1/2 | 15 1/4 | 12 | 14 1/6 | 9 1/8 | 12 1/8 |
| AVPTC29B14* | 53 7/16 | 16 1/8 | 17 1/2 | 23 11/16 | 20 1/2 | 14 1/6 | 9 1/8 | 7 1/8 |
| AVPTC31C14* | 53 7/16 | 19 1/8 | 21 | 21 13/16 | 18 1/8 | 17 11/16 | 10 13/16 | 6 13/16 |
| AVPTC33C14* | 49 | 19 1/8 | 21 | 17 9/16 | 14 1/8 | 17 11/16 | 10 9/16 | 12 1/2 |
| AVPTC35B14* | 45 | 16 1/8 | 17 1/2 | 15 1/4 | 12 | 14 1/6 | 9 1/8 | 12 1/8 |
| AVPTC37B14* | 53 7/16 | 16 1/8 | 17 1/2 | 23 11/16 | 20 1/2 | 14 1/6 | 9 1/8 | 7 1/8 |
| AVPTC37C14* | 53 7/16 | 19 1/8 | 21 | 21 13/16 | 18 1/8 | 17 11/16 | 10 13/16 | 6 13/16 |
| AVPTC37D14* | 53 7/16 | 23 5/16 | 24 1/2 | 21 1/2 | 18 5/16 | 21 3/16 | 12 1/8 | 6 1/8 |
| AVPTC39C14* | 49 | 19 1/8 | 21 | 17 7/16 | 14 1/8 | 17 11/16 | 10 9/16 | 12 1/2 |
| AVPTC49C14* | 49 | 19 1/8 | 21 | 17 9/16 | 14 1/8 | 17 11/16 | 10 9/16 | 12 1/2 |
| AVPTC49D14* | 58 | 23 5/16 | 24 1/2 | 26 1/8 | 22 1/8 | 21 3/16 | 12 1/8 | 25 1/8 |
| AVPTC59C14* | 53 7/16 | 19 1/8 | 21 | 21 13/16 | 18 1/8 | 17 11/16 | 10 13/16 | 6 13/16 |
| AVPTC59D14* | 53 7/16 | 23 5/16 | 24 1/2 | 21 1/2 | 18 5/16 | 21 3/16 | 12 1/8 | 6 1/8 |
| AVPTC61D14* | 58 | 23 5/16 | 24 1/2 | 26 1/8 | 22 1/8 | 21 3/16 | 12 1/8 | 25 1/8 |

| AVPTC25B14B*, AVPTC33C14B* | | |
|-----------------------------------|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 1.5 | 600 | 402 |
| 2 | 800 | 536 |

| AVPTC39C14B* | | |
|---------------------|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 2.5 | 1,000 | 670 |
| 3 | 1,200 | 804 |

| AVPTC29B14B* | | |
|---------------------|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 1.5 | 600 | 402 |
| 2 | 800 | 536 |
| 2.5 | 1,000 | 670 |

| AVPTC49C14B*, AVPTC49D14B*, AVPTC59C14B* | | |
|---|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 3 | 1200 | 804 |
| 3.5 | 1,400 | 938 |
| 4 | 1,600 | 1,072 |

| AVPTC31C14B*, AVPTC35B14B* | | |
|-----------------------------------|----------------|-----------------------|
| AVPTC37B14B*, AVPTC37C14B* | | |
| Tons | High Stage CFM | Default Low Stage CFM |
| 2 | 800 | 536 |
| 2.5 | 1,000 | 670 |
| 3 | 1,200 | 804 |

| AVPTC59D14B* | | |
|---------------------|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 3.5 | 1,400 | 938 |
| 4 | 1,600 | 1,072 |
| 4.5 | 1,800 | 1,206 |
| 5 | 2,000 | 1,340 |

| AVPTC37D14B* | | |
|---------------------|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 3 | 1,200 | 804 |
| | | |
| | | |

| AVPTC61D14B* | | |
|---------------------|----------------|-----------------------|
| Tons | High Stage CFM | Default Low Stage CFM |
| 4 | 1,600 | 1,072 |
| 4.5 | 1,800 | 1,206 |
| 5 | 2,000 | 1,340 |

Notes:

1. For installations with a communicating outdoor unit, airflow is set automatically by the condenser or heat pump. No indoor airflow setting is needed for the install.
2. For installations with a non-communicating outdoor unit, target airflows are listed in the tables above.
3. Recommended external static pressures are 0.1- 0.5 in. wc (0.6 in. wc and above not recommended).
4. Listed airflow values are targets only. Actual airflow may deviate from targets due to variations in individual installations and may be adjusted using trim values in the CoolCloud app or onboard push button menus
5. For most installations, 400 SCFM per ton is desirable.

HEAT KIT DATA

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|---------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| AVPTC25B14B* | | 0/0 | 4.9/4.9 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | 10.8 | 18.4 | 20 | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 27 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 41 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | | 17.3 | 27 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | Breaker | 28.9 | 41 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 48 | 50 | 17.3 | 21.7 | 25 | 69.9 | 70 |
| HKSX03XC- 240 V | | 12.5 | 21 | 25 | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | No Breaker | 20 | 29.9 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 36.1 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 46.5 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 54.9 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 29.9 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | Breaker | 33.3 | 46.5 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 54.9 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 54.9 | 60 | 20 | 25 | 25 | 79.9 | 80 |
| AVPTC29B14B* | | 0/0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | 10.8 | 20 | 20 | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | Breaker | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSX03XC- 240 V | | 12.5 | 22.1 | 25 | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | No Breaker | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | Breaker | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| AVPTC31C14B* | | 0/0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | 10.8 | 20 | 20 | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |

See notes on page 13.

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|---------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| HKSC05XC- 208 V | Breaker | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSC19CA- 208 V | | 34.7 | 49.8 | 50 | 34.7 | 43.3 | 45 | 93.2 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 6.5 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSX03XC- 240 V | No Breaker | 12.5 | 22.1 | 25 | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 56.5 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| HKSC19CB- 240 V | | 40 | 56.5 | 60 | 40 | 50 | 50 | 107 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 6.5 | 15 | 34.6 | 43 | 45 | --- | --- |
| AVPTC33C14B* | | 0.0/0.0 | 4.9/4.9 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | 10.8 | 18.4 | 20 | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 27 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 41 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | Breaker | 17.3 | 27 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 21.7 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 28.9 | 41 | 45 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 48 | 50 | 17.3 | 21.7 | 25 | 69.9 | 70 |
| HKSX03XC- 240 V | | 12.5 | 21 | 25 | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | No Breaker | 20 | 29.9 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 36.1 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 46.5 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 54.9 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 29.9 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | Breaker | 33.3 | 46.5 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 54.9 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 54.9 | 60 | 20 | 25 | 25 | 79.9 | 80 |
| AVPTC35C14B* | | 0/0 | 4.9/4.9 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | 10.8 | 18.4 | 20 | --- | --- | --- | --- | --- | |
| HKSX05XC- 208 V | No Breaker | 17.3 | 27 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 41 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 48 | 50 | --- | --- | --- | --- | --- |

See notes on page 13.

HEAT KIT DATA (CONT.)

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|---------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| HKSC05XC- 208 V | Breaker | 17.3 | 27 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 41 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 48 | 50 | 17.3 | 21.7 | 25 | 69.9 | 70 |
| HKSX03XC- 240 V | No Breaker | 12.5 | 21 | 25 | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 29.9 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 36.1 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 46.5 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 54.9 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 29.9 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 46.5 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 54.9 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 54.9 | 60 | 20 | 25 | 25 | 79.9 | 80 |
| AVPTC37B14B* | | 0/0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | 10.8 | 20 | 20 | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | Breaker | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSX03XC- 240 V | No Breaker | 12.5 | 22.1 | 25 | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| AVPTC37C14B* | | 0/0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | Breaker | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSC19CA- 208 V | | 34.7 | 49.8 | 50 | 34.7 | 43.3 | 45 | 93.2 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 6.5 | 15 | 30 | 37.5 | 40 | --- | --- |

See notes on page 13.

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|---------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| HKSX03XC- 240 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| HKSC19CB- 240 V | | 40 | 57 | 60 | 40 | 50 | 50 | 106.5 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 6.5 | 15 | 34.6 | 43 | 45 | --- | --- |
| AVPTC37D14B* | No Breaker | 0/0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSC20DA- 208 V | Breaker | 34.7 | 49.8 | 50 | 34.7 | 43.3 | 45 | 93.2 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 6.5 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSC20XF- 208 V ^ | | 0 | 6.5 | 15 | 37.5 | 47 | 50 | --- | --- |
| HKSX03XC- 240 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | No Breaker | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| HKSC20DB- 240 V | | 40 | 57 | 60 | 40 | 50 | 50 | 106.5 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 6.5 | 15 | 34.6 | 43 | 45 | --- | --- |
| HKSC20XF- 240 V ^ | | 0 | 6.5 | 15 | 43 | 54 | 60 | --- | --- |
| AVPTC39C14B* | | 0.0/0.0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |

See notes on page 13.

HEAT KIT DATA (CONT.)

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|---------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| HKSC05XC- 208 V | Breaker | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSC19CA- 208 V | | 34.7 | 49.8 | 50 | 34.7 | 43.3 | 45 | 93.2 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 6.5 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSX03XC- 240 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| HKSC19CB- 240 V | | 40 | 57 | 60 | 40 | 50 | 50 | 106.5 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 6.5 | 15 | 34.6 | 43 | 45 | --- | --- |
| AVPTC49C14B* | | 0.0/0.0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | Breaker | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSC19CA- 208 V | | 34.7 | 49.8 | 50 | 34.7 | 43.3 | 45 | 93.2 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 6.5 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSX03XC- 240 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| HKSC19CB- 240 V | | 40 | 57 | 60 | 40 | 50 | 50 | 106.5 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 6.5 | 15 | 34.6 | 43 | 45 | --- | --- |

See notes on page 13.

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|-------------------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| AVPTC49D14B* | | 0/0 | 6.5/6.5 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 33.6 | 35 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | | 17.3 | 28.2 | 30 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | Breaker | 28.9 | 42.6 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 49.8 | 50 | --- | --- | --- | --- | --- |
| HKSC15XA- 208 V | | 34.7 | 49.8 | 50 | 17.3 | 21.7 | 25 | 71.5 | 80 |
| HKSC20DA- 208 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSC15XF- 208 V ^ | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSC20XF- 208 V ^ | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSC25DA- 208 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX03XC- 240 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 38 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 32 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | Breaker | 33.3 | 48 | 50 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 57 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 57 | 60 | 20 | 25 | 25 | 81.5 | 90 |
| HKSC20DB- 240 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSC15XF- 240 V ^ | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSC20XF- 240 V ^ | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSC25DB- 240 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| AVPTC59C14B* | | 0/0 | 8.6/8.6 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 30.3 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 36 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 45 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 52 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | | 17.3 | 30.3 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | Breaker | 28.9 | 45 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 52 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB ³ - 208 V | | 34.7 | 52 | 60 | 17.3 | 21.7 | 25 | 73.6 | 80 |
| HKSC19CH- 208 V | | 34.7 | 52 | 60 | 34.7 | 43.3 | 45 | 95.3 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 8.6 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSC20XF- 208 V ^ | | --- | --- | --- | --- | --- | --- | --- | --- |

See notes on page 13.

HEAT KIT DATA (CONT.)

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|-------------------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| HKSX03XC- 240 V | | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 34 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | No Breaker | 25 | 39.9 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 50.3 | 60 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 58.6 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | | 20 | 34 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 50.3 | 60 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 58.6 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | Breaker | 40 | 58.6 | 60 | 20 | 25 | 25 | 83.6 | 90 |
| HKSC19CB- 240 V | | 40 | 58.6 | 60 | 40 | 50 | 50 | 108.6 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 8.6 | 15 | 34.6 | 43 | 45 | --- | --- |
| HKSC20XF- 240 V ^ | | --- | --- | --- | --- | --- | --- | --- | --- |
| AVPTC59D14B* | | 0/0 | 8.6/8.6 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 36 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 45 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 52 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 208 V | Breaker | 17.3 | 30.3 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 45 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 52 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB ³ - 208 V | | 34.7 | 52 | 60 | 17.3 | 21.7 | 25 | 73.6 | 80 |
| HKSC20DH- 208 V | | 34.7 | 52 | 60 | 34.7 | 43.3 | 45 | 95.3 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 8.6 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSC20XF- 208 V ^ | | 0 | 8.6 | 15 | 37.5 | 47 | 50 | --- | --- |
| HKSX03XC- 240 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 34 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 39.9 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 50.3 | 60 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 58.6 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 34 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 50.3 | 60 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 58.6 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 58.6 | 60 | 20 | 25 | 25 | 83.6 | 90 |
| HKSC20DB- 240 V | | 40 | 58.6 | 60 | 40 | 50 | 50 | 108.6 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 8.6 | 15 | 34.6 | 43 | 45 | --- | --- |
| HKSC20XF- 240 V ^ | | 0 | 8.6 | 15 | 43 | 54 | 60 | --- | --- |
| AVPTC61D14B* | | 0/0 | 8.6/8.6 | 15/15 | --- | --- | --- | --- | --- |
| HKSX03XC- 208 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 208 V | | 17.3 | 30.3 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 208 V | | 21.7 | 36 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 208 V | | 28.9 | 45 | 45 | --- | --- | --- | --- | --- |
| HKSX10XC- 208 V | | 34.7 | 52 | 60 | --- | --- | --- | --- | --- |

See notes on page 13.

| HEATER KIT MODEL | | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|-------------------------------|------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| HKSC05XC- 208 V | Breaker | 17.3 | 30.3 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 208 V | | 28.9 | 45 | 45 | --- | --- | --- | --- | --- |
| HKSC10XC- 208 V | | 34.7 | 52 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB ³ - 208 V | | 34.7 | 52 | 60 | 17.3 | 21.7 | 25 | 73.6 | 80 |
| HKSC20DH- 208 V | | 34.7 | 52 | 60 | 34.7 | 43.3 | 45 | 95.3 | 100 |
| HKSC15XF- 208 V ^ | | 0 | 8.6 | 15 | 30 | 37.5 | 40 | --- | --- |
| HKSC20XF- 208 V ^ | | 0 | 8.6 | 15 | 37.5 | 47 | 50 | --- | --- |
| HKSC25DA- 208 V | | 52 | 73.6 | 80 | 34.7 | 43.3 | 45 | 117 | 125 |
| HKSX03XC- 240 V | No Breaker | --- | --- | --- | --- | --- | --- | --- | --- |
| HKSX05XC- 240 V | | 20 | 34 | 35 | --- | --- | --- | --- | --- |
| HKSX06XC- 240 V | | 25 | 39.9 | 40 | --- | --- | --- | --- | --- |
| HKSX08XC- 240 V | | 33.3 | 50.3 | 60 | --- | --- | --- | --- | --- |
| HKSX10XC- 240 V | | 40 | 58.6 | 60 | --- | --- | --- | --- | --- |
| HKSC05XC- 240 V | Breaker | 20 | 34 | 35 | --- | --- | --- | --- | --- |
| HKSC08XC- 240 V | | 33.3 | 50.3 | 60 | --- | --- | --- | --- | --- |
| HKSC10XC- 240 V | | 40 | 58.6 | 60 | --- | --- | --- | --- | --- |
| HKSC15XB- 240 V | | 40 | 58.6 | 60 | 20 | 25 | 25 | 83.6 | 90 |
| HKSC20DB- 240 V | | 40 | 58.6 | 60 | 40 | 50 | 50 | 108.6 | 110 |
| HKSC15XF- 240 V ^ | | 0 | 8.6 | 15 | 34.6 | 43 | 45 | --- | --- |
| HKSC20XF- 240 V ^ | | 0 | 8.6 | 15 | 43 | 54 | 60 | --- | --- |
| HKSC25DB- 240 V | | 60 | 84 | 90 | 40 | 50 | 50 | 133.6 | 150 |

¹ Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25² Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps³ Circuit 1: Single-phase for Air Handlers Circuit 2: Three-phase for HKR3 Heater Kits

Note: The 208 or 240 in the heat kit part number field is for clarification of the nominal voltage for this model.

^Notation is correct as XB because technically the 240V heater kit application can be used here without any issues.

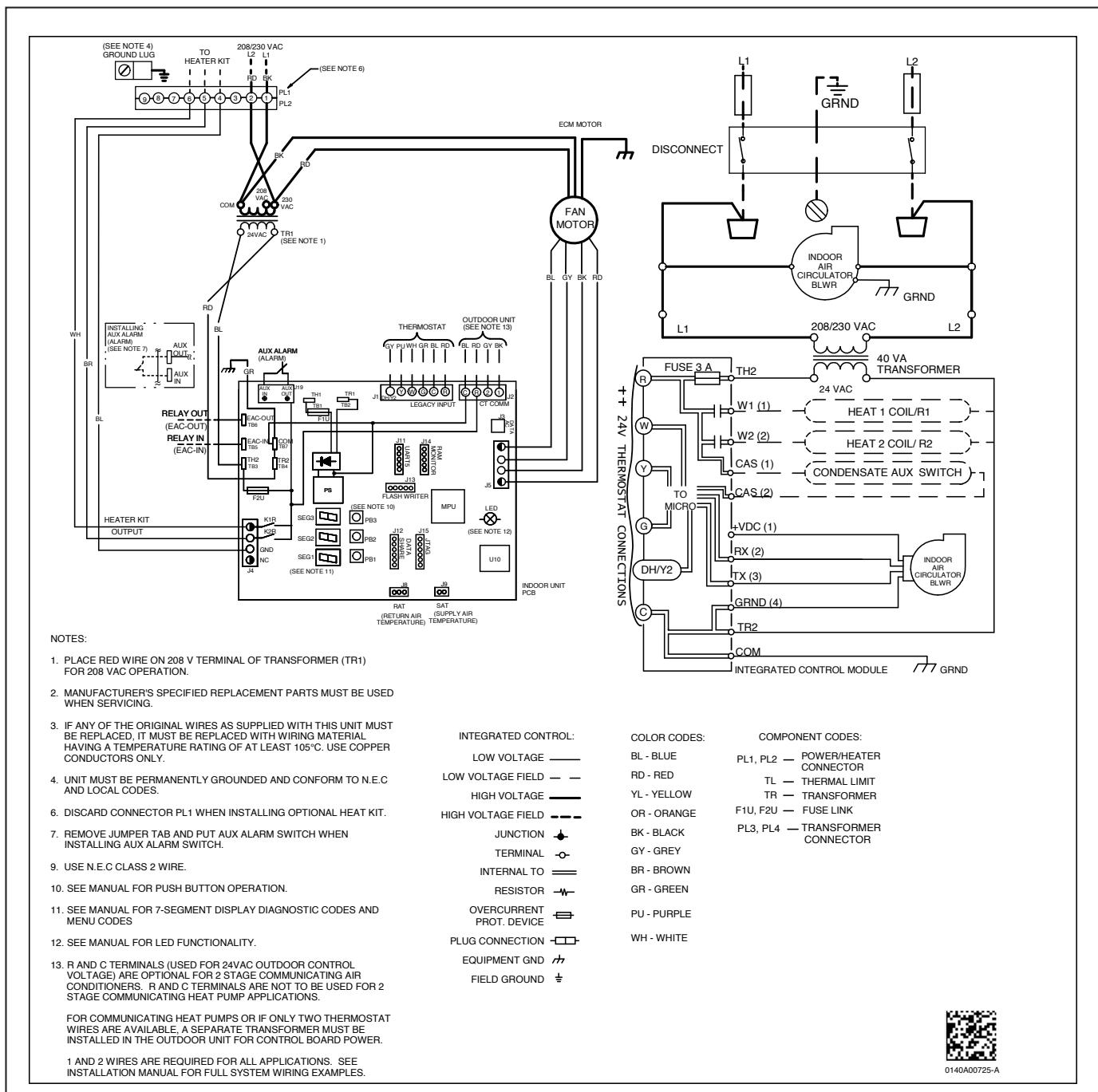
| ELECTRIC HEAT AIRFLOW TABLE | | | | | | | | | | | |
|-----------------------------|------------|------------|--------------------------|------------|------------|--------------------------|--------------------------|------------|------------------|------------|------------------|
| HTR KW | AVPTC25B14 | AVPTC29B14 | AVPTC29B14 AVPTC29B14 | AVPTC31C14 | AVPTC31C14 | AVPTC37C14 AVPTC39C14 | AVPTC49C14 AVPTC59C14 | AVPTC37D14 | AVPTC49D14 ++ | AVPTC59D14 | AVPTC61D14 ++ |
| 3 | 550 | 550 | 550 | 600 | 600 | NR | NR | NR | NR | NR | NR |
| 5 | 650 | 650 | 650 | 700 | 700 | 700 | 800 | 870 | 950 | 990 | 1030 |
| 6 | 700 | 700 | 700 | 770 | 750 | 770 | 800 | 970 | 1060 | 1110 | 1150 |
| 8 | 800 | 800 | 800 | 880 | 850 | 880 | 950 | 1060 | 1150 | 1200 | 1250 |
| 10 | 850 | 850 | 850 | 970 | 920 | 970 | 1090 | 1120 | 1220 | 1240 | 1320 |
| 15 | 875 | 875 | 875 | 1090 | 950 | 1090 | 1290 | 1220 | 1520 | 1520 | 1650 |
| 19 | NR | NR | 1050 | 1280 | NR | 1280 | 1345 | NR | NR | NR | NR |
| 20 | NR | NR | NR | NR | NR | NR | NR | 1250 | NR | 1520 | 1690 |
| 21 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 25 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | 1750 |

Selecting Heater Kit: Use the Electric Heating Wattage Menu (EHt) to select heater kit size. See "Menu Navigation and Selection Instructions" in Installation Manual. Default selection is 0 (No Heat Kit). Select installed heater kit for heater kit operation.

NR- Not Rated

++ For match up with a 3 ton outdoor unit: Airflow for 5kW up to 15kW heater kits shall be set to 1220 CFM by selecting 10 in the Electric Heating Wattage (EHt) menu.

+++ For match up with a 3.5 ton outdoor unit: Heater kit application shall not exceed 20 kW. Airflow for 5kW up to 20kW heater kits shall be set to 1320 CFM by selecting 10 in the Electric Heating Wattage (EHt) menu.



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



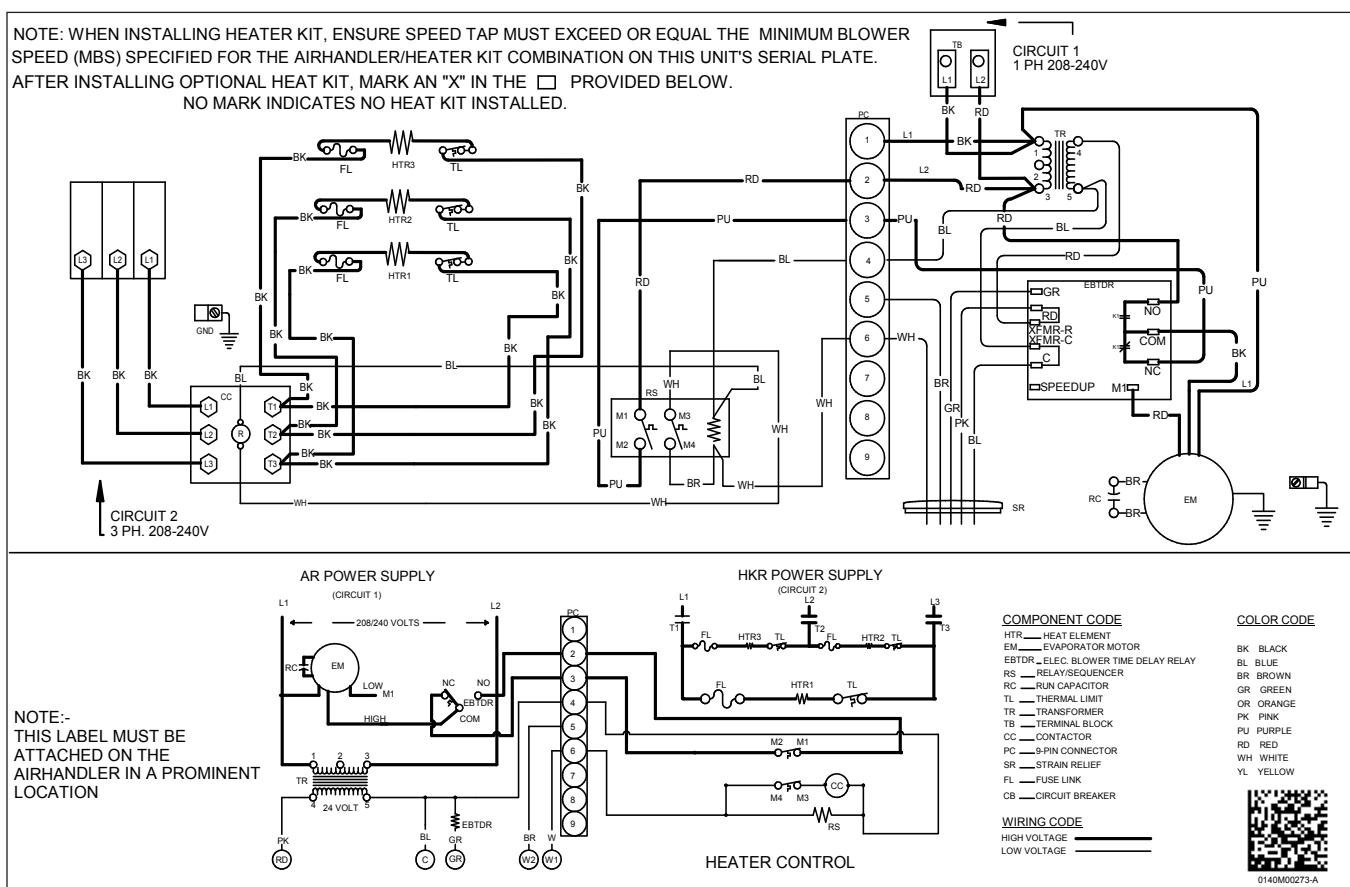
WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



WIRING DIAGRAM – THREE-PHASE HEATER KIT

NOTE: WHEN INSTALLING HEATER KIT, ENSURE SPEED TAP MUST EXCEED OR EQUAL THE MINIMUM BLOWER SPEED (MBS) SPECIFIED FOR THE AIRHANDLER/HEATER KIT COMBINATION ON THIS UNIT'S SERIAL PLATE.
AFTER INSTALLING OPTIONAL HEAT KIT, MARK AN "X" IN THE PROVIDED BELOW.
NO MARK INDICATES NO HEAT KIT INSTALLED.



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



DOWNFLOW KITS

| DFK-B | DFK-C | DFK-D |
|--------------|--------------|--------------|
| AVPTC25B14** | AVPTC31C14** | AVPTC37D14** |
| AVPTC29B14** | AVPTC33C14** | AVPTC59D14** |
| AVPTC35B14** | AVPTC37C14** | AVPTC49D14** |
| AVPTC37B14** | AVPTC39C14** | AVPTC61D14** |
| | AVPTC49C14** | |
| | AVPTC59C14** | |

DRAIN PORT PLUG

| KIT NUMBER | DESCRIPTION | APPLICATION |
|------------|----------------------|-------------|
| DPK1 | Side Drain Port Plug | All Models |

FILTERS

| CHASSIS | PART # | SIZE |
|---------|--------------|---------------|
| B | ALFH16201E | 16.0" x 20.0" |
| C | ALFH1912201E | 19.5" x 20.0" |
| D | ALFH20231E | 23.0" x 20.0" |

SINGLE POINT KIT **

| MODEL | HKS*15 | HKS*19 | HKS*20 | HKS*25 |
|--------|--------|--------|--------|--------|
| SPW-01 | X | X | X | X |

** Must be installed along with any of the above compatible heat kits. This kit will fit any AVPTC air handler as long as a compatible heat kit is installed in the unit.

NOTES

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