



**MULTI-POSITION, VARIABLE-SPEED,  
ECM-BASED AIR HANDLER  
WITH INTERNAL TXV  
COMFORTNET™ 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
- ComfortNet™ Communicating System compatible
- 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
- 3 kW – 25 kW electric heater kits
- AHRI certified; ETL listed
- Rigid SmartFrame™ cabinet
- Cabinet air leakage less than 2.0% at 1.0 inch H<sub>2</sub>O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H<sub>2</sub>O 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



\* Complete warranty details available from your local dealer or at [www.goodmanmfg.com](http://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.

|                                                       | A | V | P | T | C | 25  | B | 1 | 4  | AA    |                                    |
|-------------------------------------------------------|---|---|---|---|---|-----|---|---|----|-------|------------------------------------|
|                                                       | 1 | 2 | 3 | 4 | 5 | 6,7 | 8 | 9 | 10 | 11,12 |                                    |
| <b>Brand</b>                                          |   |   |   |   |   |     |   |   |    |       | <b>Engineering*</b>                |
| A Single-Piece Airhandler                             |   |   |   |   |   |     |   |   |    |       | Major/Minor Revisions              |
|                                                       |   |   |   |   |   |     |   |   |    |       | *Not used for inventory management |
| <b>Unit Application</b>                               |   |   |   |   |   |     |   |   |    |       | <b>Refrigerant Charge</b>          |
| R Multi Position PSC Motor                            |   |   |   |   |   |     |   |   |    |       | 4 = R-410A                         |
| S Multi Position EEM Motor                            |   |   |   |   |   |     |   |   |    |       |                                    |
| V Multi Position Variable-Speed Motor-Communitacating |   |   |   |   |   |     |   |   |    |       | <b>Electrical</b>                  |
|                                                       |   |   |   |   |   |     |   |   |    |       | 1 208/230V, 1 Phase, 60 Hz         |
| <b>Cabinet Finish</b>                                 |   |   |   |   |   |     |   |   |    |       | <b>Cabinet Width</b>               |
| U Unpainted                                           |   |   |   |   |   |     |   |   |    |       | B = 17½"                           |
| P Painted                                             |   |   |   |   |   |     |   |   |    |       | C = 21"                            |
|                                                       |   |   |   |   |   |     |   |   |    |       | D = 24½"                           |
| <b>Expansion Device</b>                               |   |   |   |   |   |     |   |   |    |       | <b>Nominal Capacity @ 13SEER</b>   |
| T Expansion Device                                    |   |   |   |   |   |     |   |   |    |       | 24 = 2 Tons                        |
| V Inverter Tuned Expansion Valve                      |   |   |   |   |   |     |   |   |    |       | 33 = 2 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 48 = 4 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 25 = 2 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 36 = 3 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 49 =4 Tons                         |
|                                                       |   |   |   |   |   |     |   |   |    |       | 29 = 2 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 37 = 2½-3½ Tons                    |
|                                                       |   |   |   |   |   |     |   |   |    |       | 59 = 4-5 Tons                      |
|                                                       |   |   |   |   |   |     |   |   |    |       | 30 = 2½ Tons                       |
|                                                       |   |   |   |   |   |     |   |   |    |       | 39 = 3 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 60 = 5 Tons                        |
|                                                       |   |   |   |   |   |     |   |   |    |       | 31 = 2½ Tons                       |
|                                                       |   |   |   |   |   |     |   |   |    |       | 42 = 3½ Tons                       |
|                                                       |   |   |   |   |   |     |   |   |    |       | 61 = 5 Tons                        |
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|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |
|                                                       |   |   |   |   |   |     |   |   |    |       |                                    |

|                                | AVPTC<br>24B14A* | AVPTC<br>25B14A* | AVPTC<br>29B14A* | AVPTC<br>30C14A* | AVPTC<br>31C14A* | AVPTC<br>33C14* | AVPTC<br>36C14A* | AVPTC<br>37B14A* | AVPTC<br>37C14A* | AVPTC<br>37D14A* | AVPTC<br>39C14* |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|
| <b>NOMINAL RATINGS</b>         |                  |                  |                  |                  |                  |                 |                  |                  |                  |                  |                 |
| Cooling (BTU/h)                | 24,000           | 24,000           | 30,000           | 30,000           | 30,000           | 24,000          | 36,000           | 36,000           | 36,000           | 36,000           | 36,000          |
| CFM (High range)               | 1100/600         | 1085/650         | 1085/610         | 1200/600         | 1315/870         | 1090/685        | 1600/700         | 1085/610         | 1315/870         | 1375/865         | 1315/965        |
| <b>BLOWER</b>                  |                  |                  |                  |                  |                  |                 |                  |                  |                  |                  |                 |
| Diameter                       | 9½"              | 9½"              | 9½"              | 10⅝"             | 10⅝"             | 10⅝"            | 10⅝"             | 9½"              | 10⅝"             | 10⅝"             | 10⅝"            |
| Width                          | 6"               | 6"               | 6"               | 8"               | 8"               | 8"              | 10⅝"             | 6"               | 8"               | 10⅝"             | 8"              |
| Coil Drain Connection FPT      | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               | ¾"              | ¾"               | ¾"               | ¾"               | ¾"               | ¾"              |
| <b>SERVICE VALVE</b>           |                  |                  |                  |                  |                  |                 |                  |                  |                  |                  |                 |
| Liquid                         | ⅝"               | ⅝"               | ⅝"               | ⅝"               | ⅝"               | ⅝"              | ⅝"               | ⅝"               | ⅝"               | ⅝"               | ⅝"              |
| Suction                        | ¾"               | ¾"               | ⅞"               | ⅞"               | ⅞"               | ⅞"              | ⅞"               | ⅞"               | ⅞"               | ⅞"               | ⅞"              |
| <b>ELECTRICAL DATA</b>         |                  |                  |                  |                  |                  |                 |                  |                  |                  |                  |                 |
| Voltage                        | 208/240          | 208/240          | 208/240          | 208/240          | 208/240          | 208/240         | 208/240          | 208/240          | 208/240          | 208/240          | 208/240         |
| Min Circuit Ampacity           | 4.9/4.9          | 4.9/4.9          | 6.5/6.5          | 4.9/4.9          | 6.5/6.5          | 4.9/4.9         | 6.5/6.5          | 6.5/6.5          | 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            | 15/15            | 15/15            | 15/15           |
| Minimum VAC                    | 197              | 197              | 197              | 197              | 197              | 197             | 197              | 197              | 197              | 197              | 197             |
| Maximum VAC                    | 253              | 253              | 253              | 253              | 253              | 253             | 253              | 253              | 253              | 253              | 253             |
| <b>BLOWER MOTOR</b>            |                  |                  |                  |                  |                  |                 |                  |                  |                  |                  |                 |
| FLA                            | 3.9              | 3.9              | 5.2              | 3.9              | 5.2              | 3.9             | 5.2              | 5.2              | 5.2              | 5.2              | 5.2             |
| HP                             | ½                | ½                | ¾                | ½                | ¾                | ½               | ¾                | ¾                | ¾                | ¾                | ¾               |
| <b>SHIP WEIGHT (LBS)</b>       | 100              | 116              | 129              | 118              | 144              | 118             | 118              | 129              | 144              | 155              | 118             |

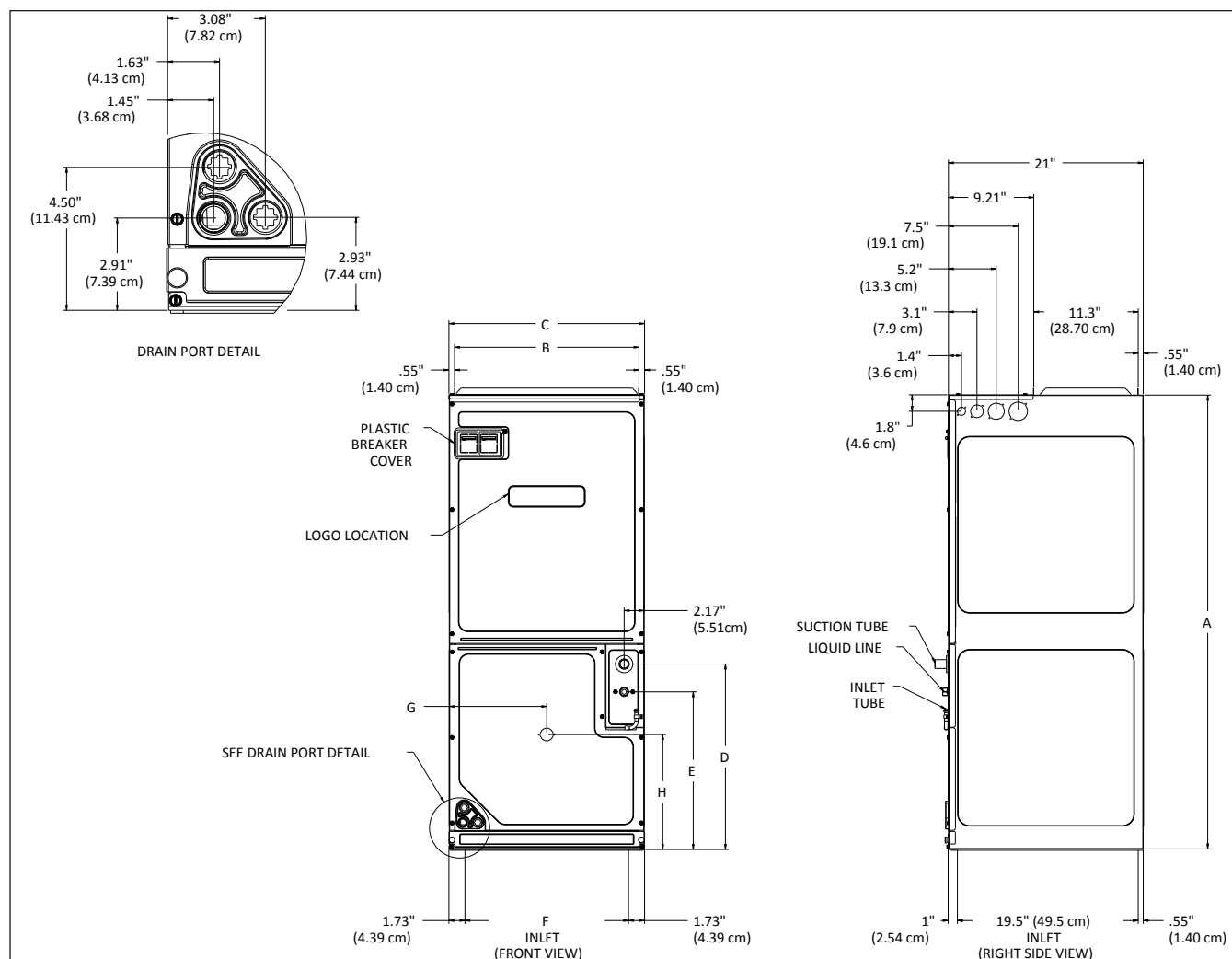
Note: Minimum Circuit Ampacity (MCA) and Maximum Overcurrent Protection (MOP) for blower without supplemental heat installed.

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

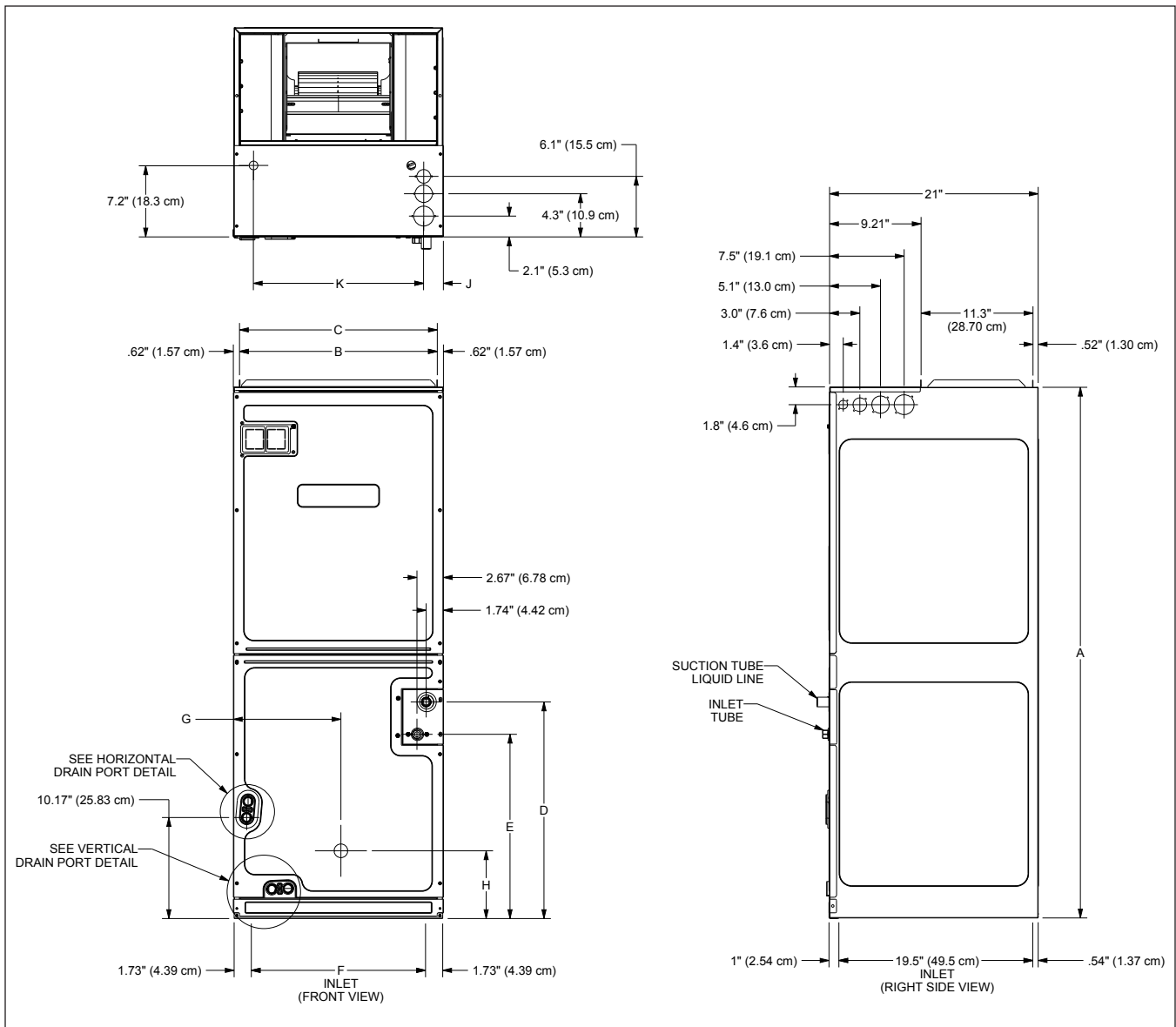
|                                | AVPTC<br>42D14A* | AVPTC<br>48C14A* | AVPTC<br>48D14A* | AVPTC<br>49C14* | AVPTC<br>49D14A* | AVPTC<br>59C14A* | AVPTC<br>59D14A*                    | AVPTC<br>60D14A* | AVPTC<br>61D14A*                    |
|--------------------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-------------------------------------|------------------|-------------------------------------|
| <b>NOMINAL RATINGS</b>         |                  |                  |                  |                 |                  |                  |                                     |                  |                                     |
| Cooling (BTU/h)                | 42,000           | 42,000           | 48,000           | 48,000          | 42,000           | 48,000           | 48,000                              | 60,000           | 60,000                              |
| CFM (High range)               | 1700/800         | 1660/700         | 1800/1350        | 1420/1040       | 1530/1195        | 1595/875         | 1990/1445                           | 2000/1600        | 2025/1630                           |
| <b>BLOWER</b>                  |                  |                  |                  |                 |                  |                  |                                     |                  |                                     |
| Diameter                       | 10⅝"             | 10⅝"             | 10⅝"             | 10⅝"            | 10⅝"             | 10⅝"             | 11⅝ <sup>15</sup> / <sub>16</sub> " | 11⅝"             | 11⅝ <sup>15</sup> / <sub>16</sub> " |
| Width                          | 10⅝"             | 10⅝"             | 10⅝"             | 8"              | 10⅝"             | 8"               | 10⅝"                                | 10⅝"             | 10⅝"                                |
| Coil Drain Connection FPT      | ¾"               | ¾"               | ¾"               | ¾"              | ¾"               | ¾"               | ¾"                                  | ¾"               | ¾"                                  |
| <b>SERVICE VALVE</b>           |                  |                  |                  |                 |                  |                  |                                     |                  |                                     |
| Liquid                         | ⅝"               | ⅝"               | ⅝"               | ⅝"              | ⅝"               | ⅝"               | ⅝"                                  | ⅝"               | ⅝"                                  |
| Suction                        | ⅞"               | ⅞"               | ⅞"               | ⅞"              | ⅞"               | ⅞"               | ⅞"                                  | ⅞"               | ⅞"                                  |
| <b>ELECTRICAL DATA</b>         |                  |                  |                  |                 |                  |                  |                                     |                  |                                     |
| Voltage                        | 208/240          | 208/240          | 208/240          | 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          | 6.5/6.5         | 6.5/6.5          | 8.6/8.6          | 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            | 15/15                               | 15/15            | 15/15                               |
| Minimum VAC                    | 197              | 197              | 197              | 197             | 197              | 197              | 197                                 | 197              | 197                                 |
| Maximum VAC                    | 253              | 253              | 253              | 253             | 253              | 253              | 253                                 | 253              | 253                                 |
| <b>BLOWER MOTOR</b>            |                  |                  |                  |                 |                  |                  |                                     |                  |                                     |
| FLA                            | 5.2              | 5.2              | 5.2              | 5.2             | 5.2              | 6.9              | 6.9                                 | 6.9              | 6.9                                 |
| HP                             | ¾                | ¾                | ¾                | ¾               | ¾                | 1                | 1                                   | 1                | 1                                   |
| <b>SHIP WEIGHT (LBS)</b>       | 155              | 125              | 167              | 125             | 167              | 144              | 155                                 | 167              | 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                  |
|------------|----|--------------------|------------------|-------------------|-------------------|--------------------|-------------------|--------------------|
| AVPTC24B14 | 45 | 16 $\frac{3}{8}$   | 17 $\frac{1}{2}$ | 18                | 15                | 14 $\frac{3}{16}$  | 8 $\frac{13}{16}$ | 11 $\frac{15}{16}$ |
| AVPTC30C14 | 49 | 19 $\frac{15}{16}$ | 21               | 20                | 17                | 17 $\frac{11}{16}$ | 10 $\frac{1}{2}$  | 12 $\frac{3}{8}$   |
| AVPTC36C14 | 49 | 19 $\frac{15}{16}$ | 21               | 20                | 17                | 17 $\frac{11}{16}$ | 10 $\frac{1}{2}$  | 12 $\frac{3}{8}$   |
| AVPTC42D14 | 58 | 23 $\frac{5}{16}$  | 24 $\frac{1}{2}$ | 28 $\frac{3}{16}$ | 25 $\frac{3}{16}$ | 21 $\frac{3}{16}$  | 12 $\frac{5}{16}$ | 12 $\frac{3}{8}$   |
| AVPTC48C14 | 49 | 19 $\frac{15}{16}$ | 21               | 20                | 17                | 17 $\frac{11}{16}$ | 10 $\frac{1}{2}$  | 12 $\frac{3}{8}$   |
| AVPTC48D14 | 58 | 23 $\frac{5}{16}$  | 24 $\frac{1}{2}$ | 28 $\frac{3}{16}$ | 25 $\frac{3}{16}$ | 21 $\frac{3}{16}$  | 12 $\frac{5}{16}$ | 12 $\frac{3}{8}$   |
| AVPTC60D14 | 58 | 23 $\frac{5}{16}$  | 24 $\frac{1}{2}$ | 28 $\frac{3}{16}$ | 25 $\frac{3}{16}$ | 21 $\frac{3}{16}$  | 12 $\frac{5}{16}$ | 12 $\frac{3}{8}$   |



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

| MODEL                        | SPEED TAP |      | 0.1  | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  |
|------------------------------|-----------|------|------|------|------|------|------|------|------|------|------|
| AVPTC24B14                   | A         | Low  | 415  | 415  | 410  | 410  | 405  | 405  | 400  | 400  | 400  |
|                              | B         | Low  | 575  | 570  | 565  | 560  | 560  | 555  | 555  | 550  | 550  |
|                              | C         | Low  | 685  | 670  | 660  | 650  | 645  | 635  | 630  | 625  | 620  |
|                              | D         | Low  | 795  | 780  | 765  | 755  | 745  | 735  | 725  | 720  | 715  |
|                              | A         | High | 620  | 615  | 610  | 605  | 600  | 600  | 595  | 590  | 590  |
|                              | B         | High | 865  | 850  | 835  | 825  | 815  | 805  | 795  | 790  | 785  |
|                              | C         | High | 1005 | 990  | 970  | 960  | 945  | 935  | 920  | 915  | 910  |
|                              | D         | High | 1165 | 1145 | 1125 | 1110 | 1100 | 1085 | 1070 | 1065 | 1055 |
| AVPTC25B14AA                 | A         | Low  | 460  | 445  | 445  | 425  | 410  | 400  | 400  | 400  | 395  |
|                              | B         | Low  | 620  | 610  | 600  | 605  | 600  | 590  | 585  | 575  | 565  |
|                              | C         | Low  | 700  | 695  | 690  | 690  | 690  | 690  | 675  | 665  | 660  |
|                              | D         | Low  | 750  | 750  | 745  | 745  | 740  | 730  | 720  | 710  | 700  |
|                              | A         | High | 670  | 660  | 650  | 650  | 655  | 645  | 640  | 635  | 625  |
|                              | B         | High | 870  | 865  | 855  | 850  | 840  | 840  | 840  | 830  | 835  |
|                              | C         | High | 1000 | 990  | 980  | 975  | 965  | 965  | 955  | 955  | 945  |
|                              | D         | High | 1105 | 1095 | 1085 | 1075 | 1065 | 1055 | 1050 | 1040 | 1030 |
| AVPTC29B14AA<br>AVPTC37B14AA | A         | Low  | 390  | 385  | 375  | 360  | 350  | 335  | 325  | 315  | 305  |
|                              | B         | Low  | 545  | 540  | 545  | 540  | 540  | 540  | 535  | 530  | 525  |
|                              | C         | Low  | 610  | 620  | 630  | 635  | 630  | 625  | 620  | 625  | 625  |
|                              | D         | Low  | 720  | 735  | 740  | 740  | 735  | 730  | 725  | 715  | 705  |
|                              | A         | High | 615  | 620  | 610  | 605  | 610  | 615  | 615  | 620  | 625  |
|                              | B         | High | 790  | 795  | 795  | 795  | 795  | 790  | 800  | 795  | 785  |
|                              | C         | High | 925  | 930  | 930  | 925  | 925  | 920  | 915  | 910  | 905  |
|                              | D         | High | 1085 | 1085 | 1085 | 1080 | 1080 | 1075 | 1070 | 1065 | 1060 |
| AVPTC30C14                   | A         | Low  | 465  | 455  | 440  | 430  | 425  | 415  | 405  | 400  | 395  |
|                              | B         | Low  | 615  | 610  | 605  | 600  | 595  | 595  | 590  | 585  | 585  |
|                              | C         | Low  | 755  | 745  | 740  | 735  | 730  | 725  | 720  | 720  | 715  |
|                              | D         | Low  | 900  | 890  | 885  | 880  | 875  | 870  | 865  | 865  | 860  |
|                              | A         | High | 620  | 615  | 610  | 610  | 605  | 605  | 600  | 600  | 600  |
|                              | B         | High | 850  | 840  | 835  | 830  | 825  | 820  | 815  | 815  | 810  |
|                              | C         | High | 1030 | 1025 | 1020 | 1015 | 1010 | 1010 | 1005 | 1000 | 1000 |
|                              | D         | High | 1245 | 1235 | 1225 | 1220 | 1210 | 1205 | 1200 | 1195 | 1195 |
| AVPTC31C14AA<br>AVPTC37C14AA | A         | Low  | 610  | 600  | 590  | 590  | 600  | 605  | 610  | 610  | 610  |
|                              | B         | Low  | 710  | 710  | 705  | 705  | 695  | 690  | 685  | 675  | 665  |
|                              | C         | Low  | 845  | 845  | 845  | 825  | 815  | 810  | 800  | 805  | 795  |
|                              | D         | Low  | 915  | 910  | 910  | 900  | 850  | 840  | 830  | 820  | 825  |
|                              | A         | High | 885  | 880  | 880  | 860  | 850  | 840  | 830  | 820  | 830  |
|                              | B         | High | 1055 | 1055 | 1055 | 1040 | 1030 | 1015 | 1005 | 995  | 985  |
|                              | C         | High | 1275 | 1270 | 1265 | 1260 | 1250 | 1240 | 1230 | 1215 | 1205 |
|                              | D         | High | 1365 | 1360 | 1360 | 1330 | 1300 | 1290 | 1280 | 1270 | 1255 |
| AVPTC33C14AA                 | A         | Low  | 500  | 480  | 460  | 445  | 430  | 415  | 400  | 380  | 365  |
|                              | B         | Low  | 580  | 565  | 545  | 535  | 525  | 515  | 505  | 495  | 485  |
|                              | C         | Low  | 710  | 700  | 685  | 675  | 670  | 665  | 655  | 645  | 640  |
|                              | D         | Low  | 725  | 750  | 755  | 760  | 755  | 745  | 735  | 725  | 715  |
|                              | A         | High | 710  | 700  | 685  | 685  | 685  | 680  | 670  | 660  | 645  |
|                              | B         | High | 765  | 780  | 785  | 785  | 785  | 775  | 770  | 760  | 745  |
|                              | C         | High | 950  | 960  | 970  | 970  | 970  | 960  | 955  | 945  | 935  |
|                              | D         | High | 1090 | 1090 | 1090 | 1095 | 1090 | 1085 | 1080 | 1075 | 1065 |

Note: When applying a humidistat (normally closed), refer to the installation and operating instructions. The humidistat can adjust the cooling airflow to 85%.

| MODEL        | SPEED TAP |      | 0.1  | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  |
|--------------|-----------|------|------|------|------|------|------|------|------|------|------|
| AVPTC36C14   | A         | Low  | 515  | 505  | 500  | 485  | 465  | 460  | 450  | 425  | 410  |
|              | B         | Low  | 715  | 705  | 700  | 685  | 675  | 670  | 660  | 640  | 630  |
|              | C         | Low  | 950  | 935  | 930  | 910  | 895  | 890  | 875  | 855  | 835  |
|              | D         | Low  | 1135 | 1125 | 1120 | 1105 | 1090 | 1085 | 1075 | 1055 | 1040 |
|              | A         | High | 740  | 730  | 725  | 710  | 695  | 690  | 680  | 660  | 645  |
|              | B         | High | 1015 | 1005 | 1000 | 985  | 965  | 960  | 950  | 925  | 910  |
|              | C         | High | 1345 | 1335 | 1330 | 1315 | 1300 | 1295 | 1290 | 1270 | 1255 |
|              | D         | High | 1615 | 1605 | 1600 | 1585 | 1570 | 1565 | 1555 | 1535 | 1520 |
| AVPTC37D14AA | A         | Low  | 605  | 605  | 605  | 575  | 560  | 545  | 525  | 510  | 500  |
|              | B         | Low  | 730  | 725  | 725  | 700  | 700  | 695  | 680  | 660  | 645  |
|              | C         | Low  | 820  | 820  | 820  | 800  | 760  | 750  | 740  | 720  | 700  |
|              | D         | Low  | 870  | 885  | 940  | 885  | 875  | 865  | 850  | 835  | 835  |
|              | A         | High | 910  | 905  | 900  | 870  | 870  | 860  | 855  | 845  | 845  |
|              | B         | High | 1085 | 1080 | 1080 | 1060 | 1060 | 1055 | 1045 | 1035 | 1020 |
|              | C         | High | 1230 | 1225 | 1225 | 1205 | 1205 | 1200 | 1190 | 1185 | 1180 |
|              | D         | High | 1405 | 1405 | 1405 | 1370 | 1365 | 1355 | 1345 | 1335 | 1330 |
| AVPTC39C14AA | A         | Low  | 715  | 695  | 680  | 685  | 685  | 680  | 675  | 665  | 650  |
|              | B         | Low  | 755  | 770  | 780  | 780  | 780  | 780  | 770  | 765  | 755  |
|              | C         | Low  | 780  | 790  | 795  | 805  | 800  | 800  | 795  | 805  | 795  |
|              | D         | Low  | 875  | 885  | 890  | 890  | 890  | 890  | 885  | 880  | 875  |
|              | A         | High | 960  | 960  | 965  | 970  | 965  | 965  | 960  | 955  | 950  |
|              | B         | High | 1120 | 1115 | 1115 | 1115 | 1120 | 1115 | 1115 | 1110 | 1105 |
|              | C         | High | 1180 | 1180 | 1175 | 1175 | 1175 | 1175 | 1170 | 1165 | 1160 |
|              | D         | High | 1325 | 1320 | 1315 | 1315 | 1310 | 1310 | 1310 | 1305 | 1300 |
| AVPTC42D14   | A         | Low  | 600  | 580  | 560  | 545  | 535  | 520  | 505  | 500  | 490  |
|              | B         | Low  | 795  | 780  | 765  | 750  | 740  | 730  | 720  | 715  | 710  |
|              | C         | Low  | 1025 | 1010 | 995  | 985  | 970  | 960  | 950  | 945  | 940  |
|              | D         | Low  | 1250 | 1235 | 1225 | 1215 | 1210 | 1200 | 1195 | 1190 | 1185 |
|              | A         | High | 835  | 815  | 800  | 790  | 780  | 765  | 755  | 750  | 745  |
|              | B         | High | 1115 | 1105 | 1090 | 1080 | 1070 | 1065 | 1055 | 1050 | 1045 |
|              | C         | High | 1445 | 1430 | 1420 | 1410 | 1405 | 1395 | 1390 | 1385 | 1380 |
|              | D         | High | 1775 | 1760 | 1750 | 1740 | 1735 | 1725 | 1720 | 1715 | 1710 |
| AVPTC48C14   | A         | Low  | 510  | 505  | 500  | 490  | 485  | 480  | 475  | 465  | 455  |
|              | B         | Low  | 710  | 705  | 700  | 690  | 680  | 680  | 670  | 660  | 650  |
|              | C         | Low  | 940  | 935  | 930  | 920  | 910  | 910  | 905  | 890  | 880  |
|              | D         | Low  | 1165 | 1160 | 1160 | 1155 | 1150 | 1145 | 1140 | 1135 | 1125 |
|              | A         | High | 735  | 730  | 725  | 715  | 705  | 700  | 695  | 685  | 675  |
|              | B         | High | 1010 | 1005 | 1000 | 990  | 985  | 980  | 975  | 965  | 955  |
|              | C         | High | 1340 | 1335 | 1330 | 1320 | 1310 | 1310 | 1305 | 1290 | 1280 |
|              | D         | High | 1675 | 1665 | 1660 | 1645 | 1635 | 1630 | 1620 | 1605 | 1590 |
| AVPTC48D14   | A         | Low  | 910  | 910  | 900  | 895  | 885  | 880  | 875  | 870  | 850  |
|              | B         | Low  | 1050 | 1045 | 1035 | 1030 | 1025 | 1020 | 1015 | 1010 | 1010 |
|              | C         | Low  | 1155 | 1145 | 1140 | 1135 | 1130 | 1125 | 1120 | 1120 | 1115 |
|              | D         | Low  | 1215 | 1210 | 1200 | 1195 | 1190 | 1185 | 1180 | 1175 | 1170 |
|              | A         | High | 1370 | 1360 | 1350 | 1345 | 1340 | 1330 | 1325 | 1325 | 1320 |
|              | B         | High | 1570 | 1560 | 1550 | 1545 | 1535 | 1530 | 1525 | 1520 | 1515 |
|              | C         | High | 1720 | 1710 | 1700 | 1695 | 1685 | 1680 | 1670 | 1670 | 1665 |
|              | D         | High | 1840 | 1820 | 1800 | 1785 | 1775 | 1760 | 1745 | 1740 | 1735 |

| MODEL        | SPEED TAP |      | 0.1  | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  |
|--------------|-----------|------|------|------|------|------|------|------|------|------|------|
| AVPTC49C14AA | A         | Low  | 705  | 710  | 725  | 735  | 740  | 740  | 740  | 735  | 730  |
|              | B         | Low  | 730  | 745  | 760  | 770  | 775  | 775  | 775  | 770  | 765  |
|              | C         | Low  | 850  | 865  | 870  | 875  | 880  | 880  | 875  | 870  | 865  |
|              | D         | Low  | 950  | 955  | 960  | 965  | 965  | 965  | 965  | 960  | 955  |
|              | A         | High | 1030 | 1040 | 1040 | 1045 | 1045 | 1045 | 1045 | 1040 | 1035 |
|              | B         | High | 1090 | 1095 | 1095 | 1095 | 1095 | 1095 | 1095 | 1090 | 1085 |
|              | C         | High | 1290 | 1290 | 1280 | 1285 | 1280 | 1280 | 1275 | 1275 | 1270 |
|              | D         | High | 1425 | 1425 | 1420 | 1420 | 1415 | 1410 | 1410 | 1405 | 1400 |
| AVPTC49D14AA | A         | Low  | 795  | 815  | 820  | 820  | 810  | 800  | 785  | 785  | 770  |
|              | B         | Low  | 870  | 890  | 895  | 895  | 890  | 875  | 865  | 850  | 850  |
|              | C         | Low  | 985  | 990  | 995  | 995  | 990  | 980  | 970  | 955  | 940  |
|              | D         | Low  | 1040 | 1055 | 1055 | 1055 | 1045 | 1035 | 1025 | 1020 | 1005 |
|              | A         | High | 1195 | 1195 | 1195 | 1200 | 1195 | 1185 | 1175 | 1165 | 1155 |
|              | B         | High | 1325 | 1320 | 1320 | 1315 | 1315 | 1305 | 1295 | 1285 | 1275 |
|              | C         | High | 1460 | 1460 | 1455 | 1455 | 1455 | 1450 | 1440 | 1430 | 1420 |
|              | D         | High | 1520 | 1530 | 1530 | 1530 | 1530 | 1525 | 1515 | 1510 | 1495 |
| AVPTC59C14AA | A         | Low  | 635  | 620  | 610  | 600  | 600  | 600  | 600  | 600  | 600  |
|              | B         | Low  | 790  | 805  | 810  | 810  | 805  | 805  | 795  | 810  | 800  |
|              | C         | Low  | 930  | 940  | 940  | 935  | 930  | 925  | 920  | 915  | 905  |
|              | D         | Low  | 1065 | 1065 | 1070 | 1065 | 1060 | 1050 | 1045 | 1035 | 1030 |
|              | A         | High | 870  | 880  | 875  | 875  | 870  | 865  | 860  | 860  | 845  |
|              | B         | High | 1230 | 1230 | 1225 | 1220 | 1210 | 1205 | 1200 | 1190 | 1180 |
|              | C         | High | 1420 | 1410 | 1410 | 1405 | 1395 | 1385 | 1380 | 1380 | 1370 |
|              | D         | High | 1615 | 1600 | 1595 | 1595 | 1585 | 1580 | 1570 | 1565 | 1555 |
| AVPTC59D14AA | A         | Low  | 1030 | 1035 | 1040 | 1040 | 1030 | 1025 | 1015 | 995  | 970  |
|              | B         | Low  | 1260 | 1260 | 1260 | 1260 | 1260 | 1250 | 1245 | 1235 | 1225 |
|              | C         | Low  | 1330 | 1335 | 1330 | 1330 | 1325 | 1320 | 1315 | 1305 | 1295 |
|              | D         | Low  | 1395 | 1395 | 1395 | 1390 | 1390 | 1385 | 1375 | 1365 | 1355 |
|              | A         | High | 1450 | 1445 | 1445 | 1435 | 1430 | 1425 | 1420 | 1410 | 1395 |
|              | B         | High | 1795 | 1790 | 1790 | 1785 | 1775 | 1765 | 1760 | 1750 | 1745 |
|              | C         | High | 1890 | 1890 | 1890 | 1880 | 1870 | 1865 | 1855 | 1850 | 1840 |
|              | D         | High | 1995 | 1995 | 1990 | 1985 | 1985 | 1975 | 1965 | 1955 | 1945 |
| AVPTC60D14   | A         | Low  | 1205 | 1205 | 1210 | 1205 | 1205 | 1200 | 1195 | 1195 | 1195 |
|              | B         | Low  | 1375 | 1370 | 1365 | 1360 | 1360 | 1355 | 1355 | 1350 | 1350 |
|              | C         | Low  | 1445 | 1445 | 1450 | 1445 | 1445 | 1440 | 1440 | 1440 | 1435 |
|              | D         | Low  | 1535 | 1530 | 1525 | 1520 | 1520 | 1515 | 1510 | 1510 | 1510 |
|              | A         | High | 1615 | 1615 | 1610 | 1610 | 1605 | 1605 | 1600 | 1600 | 1600 |
|              | B         | High | 1825 | 1820 | 1815 | 1810 | 1810 | 1805 | 1805 | 1805 | 1800 |
|              | C         | High | 1930 | 1925 | 1920 | 1915 | 1915 | 1910 | 1905 | 1905 | 1900 |
|              | D         | High | 2040 | 2030 | 2025 | 2020 | 2015 | 2010 | 2005 | 2005 | 2000 |
| AVPTC61D14AA | A         | Low  | 1080 | 1085 | 1080 | 1085 | 1080 | 1075 | 1070 | 1065 | 1055 |
|              | B         | Low  | 1200 | 1200 | 1210 | 1210 | 1210 | 1210 | 1205 | 1205 | 1200 |
|              | C         | Low  | 1290 | 1290 | 1280 | 1275 | 1280 | 1280 | 1270 | 1265 | 1265 |
|              | D         | Low  | 1360 | 1355 | 1350 | 1355 | 1350 | 1345 | 1340 | 1340 | 1330 |
|              | A         | High | 1630 | 1630 | 1630 | 1625 | 1620 | 1615 | 1610 | 1600 | 1590 |
|              | B         | High | 1820 | 1820 | 1820 | 1815 | 1805 | 1795 | 1785 | 1780 | 1770 |
|              | C         | High | 1935 | 1930 | 1925 | 1920 | 1905 | 1900 | 1890 | 1875 | 1865 |
|              | D         | High | 2035 | 2030 | 2025 | 2020 | 2005 | 1995 | 1985 | 1960 | 1955 |

Note: When applying a humidistat (normally closed), refer to the installation and operating instructions. The humidistat can adjust the cooling airflow to 85%.

| HTR kW    | 9   | 10  | 11  | AVPTC<br>24B14 | AVPTC<br>25B14 | AVPTC<br>29B14 | AVPTC<br>30C14 | AVPTC<br>31C14 | AVPTC<br>33C14 | AVPTC<br>36C14 | AVPTC<br>37B14 | AVPTC<br>37C14 | AVPTC<br>37D14 | AVPTC<br>39C14 |
|-----------|-----|-----|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 3         | ON  | ON  | ON  | 730            | 550            | 550            | 730            | ---            | 600            | NR             | 550            | ---            | ---            | ---            |
| 5         | ON  | ON  | OFF | 780            | 650            | 650            | 780            | 850            | 700            | 850            | 650            | 850            | 1240           | 850            |
| 6         | ON  | OFF | ON  | 850            | 700            | 700            | 850            | 900            | 750            | 900            | 700            | 900            | 1240           | 900            |
| 8         | ON  | OFF | OFF | 950            | 800            | 800            | 950            | 1000           | 875            | 1000           | 800            | 1000           | 1240           | 1000           |
| 10        | OFF | ON  | ON  | 1025           | 850            | 875            | 1025           | 1170           | 950            | 1200           | 875            | 1170           | 1240           | 1170           |
| 15        | OFF | ON  | OFF | NR             | 875            | 875            | NR             | 1345           | 950            | 1440           | 1050           | 1345           | 1520           | 1345           |
| 19*       | OFF | OFF | ON  | NR             | ---            | ---            | NR             | 1345           | ---            | 1500           | ---            | 1345           | ---            | 1345           |
| 20        |     |     |     | NR             | ---            | ---            | NR             | ---            | ---            | 1500           | ---            | ---            | 1520           | ---            |
| 21 or 25* | OFF | OFF | OFF | NR             | ---            | ---            | NR             | ---            | ---            | NR             | ---            | ---            | ---            | ---            |

Note: Airflow data shown applies to the electric heat only in either legacy mode or communicating mode operation

--- indicates Not Rated

\* Within thermostat user menu, CTK0\* communicating thermostat will display 20kW for OFF- OFF- ON dipswitch selection, 21kW for OFF-OFF-OFF dipswitch selection.

† For match up with a 2 ton outdoor unit: Heater kit application shall not exceed 10 kW.  
Airflow for 5 kW up to 10 kW heater kits shall be set to 850 cfm speed tap of ON-ON-ON.

†† For match up with a 3 ton outdoor unit: Heater kit application shall not exceed 15 kW.  
Airflow for 5 kW up to 15 kW heater kits shall be set to 1300 cfm speed tap of ON-OFF-ON.

††† For match up with a 3.5 ton outdoor unit: Heater kit application shall not exceed 20 kW.  
Airflow for 5 kW up to 20 kW heater kits shall be set to 1500 cfm speed tap of ON-OFF-OFF

\*\* 3 kW heater kit is not applicable for this indoor application.

| HTR kW    | 9   | 10  | 11  | AVPTC<br>42D14† | AVPTC<br>48C14 | AVPTC<br>48D14†† | AVPTC<br>49C14 | AVPTC<br>49D14 †† | AVPTC<br>59C14 | AVPT<br>C59D14 | AVPTC<br>60D14††† | AVPTC<br>61D14 ††† |
|-----------|-----|-----|-----|-----------------|----------------|------------------|----------------|-------------------|----------------|----------------|-------------------|--------------------|
| 3         | ON  | ON  | ON  | 850**           | NR             | NR               | ---            | ---               | ---            | ---            | NR                | ---                |
| 5         | ON  | ON  | OFF | 1400            | 850            | 1400             | 1170           | 1250              | 1170           | 1240           | 1620              | 1250               |
| 6         | ON  | OFF | ON  | 1630            | 900            | 1630             | 1170           | 1300              | 1170           | 1240           | 1670              | 1300               |
| 8         | ON  | OFF | OFF | 1630            | 1000           | 1630             | 1170           | 1500              | 1170           | 1240           | 1720              | 1500               |
| 10        | OFF | ON  | ON  | 1670            | 1200           | 1670             | 1170           | 1550              | 1170           | 1240           | 1750              | 1550               |
| 15        | OFF | ON  | OFF | 1720            | 1440           | 1720             | 1345           | 1720              | 1345           | 1520           | 1780              | 1780               |
| 19*       | OFF | OFF | ON  | NR              | 1500           | NR               | 1345           | ---               | 1345           | ---            | NR                | ---                |
| 20        |     |     |     | 1800            | 1500           | 1815             | ---            | ---               | ---            | 1520           | 1850              | 1850               |
| 21 or 25* | OFF | OFF | OFF | NR              | NR             | 1850             | ---            | ---               | ---            | ---            | 1850              | 1850               |

Note: Airflow data shown applies to the electric heat only in either legacy mode or communicating mode operation

--- indicates Not Rated

\* Within thermostat user menu, CTK0\* communicating thermostat will display 20kW for OFF- OFF- ON dipswitch selection, 21kW for OFF-OFF-OFF dipswitch selection.

† For match up with a 2 ton outdoor unit: Heater kit application shall not exceed 10 kW.  
Airflow for 5 kW up to 10 kW heater kits shall be set to 850 cfm speed tap of ON-ON-ON.

†† For match up with a 3 ton outdoor unit: Heater kit application shall not exceed 15 kW.  
Airflow for 5 kW up to 15 kW heater kits shall be set to 1300 cfm speed tap of ON-OFF-ON.

††† For match up with a 3.5 ton outdoor unit: Heater kit application shall not exceed 20 kW.  
Airflow for 5 kW up to 20 kW heater kits shall be set to 1500 cfm speed tap of ON-OFF-OFF

\*\* 3 kW heater kit is not applicable for this indoor application.

| MODELS              | CIRCUIT 1 |                  |                  | CIRCUIT 2 |                  |                  | SINGLE-POINT KIT |                  |
|---------------------|-----------|------------------|------------------|-----------|------------------|------------------|------------------|------------------|
|                     | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> |
| <b>AVPTC24B14AA</b> | 0.0/0.0   | 4.9/4.9          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 18/21            | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 27/30            | 30/30            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 32/36            | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 41/47            | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 48/55            | 50/60            | ---       | ---              | ---              | ---              | ---              |
| <b>AVPTC25B14AA</b> | 0/0       | 4.9/4.9          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 18.4/21          | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 27/29.9          | 30/30            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 32/36.1          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 41/46.5          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 48/54.9          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 48/54.9          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 69.9/79.9        | 70/80            |
| <b>AVPTC29B14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 20/22.1          | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| <b>AVPTC30C14AA</b> | 0.0/0.0   | 4.9/4.9          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 18/21            | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 27/30            | 30/30            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 32/36            | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 41/47            | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 48/55            | 50/60            | ---       | ---              | ---              | ---              | ---              |
| <b>AVPTC31C14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| HKSC19C*##          | 34.7/40   | 49.8/57          | 50/60            | 34.7/40   | 43.3/50          | 45/50            | 93.2/106.5       | 100/110          |
| HKS*15XF*           | 0/0       | 6.5/6.5          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| <b>AVPTC33C14AA</b> | 0/0       | 4.9/4.9          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 18.4/21          | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 27/29.9          | 30/30            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 32/36.1          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 41/46.5          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 48/54.9          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 48/54.9          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 69.9/79.9        | 70/80            |
| <b>AVPTC36C14AA</b> | 0.0/0.0   | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 20/22            | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 28/32            | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 34/38            | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 43/48            | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 50/57            | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKSC15*##           | 34.7/40.0 | 50/57            | 50/60            | 17.3/20.0 | 22/25            | 25/25            | 72/82            | 80/90            |
| HKSC19C*#           | 34.7/40.0 | 50/57            | 50/60            | 34.7/40   | 43/50            | 45/50            | 93/107           | 100/110          |
| HKSC15XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 30.0/34.6 | 38/43            | 40/45            | ---              | ---              |
| HKSC20XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 37.5/43.3 | 47/54            | 50/60            | ---              | ---              |

<sup>1</sup> Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25<sup>2</sup> Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps<sup>^</sup> Circuit 1: Single-phase for Air Handlers Circuit 2: Three-phase for HKR3 Heater Kits

\* Revision level that may or may not be designated

| MODELS              | Circuit 1 |                  |                  | Circuit 2 |                  |                  | SINGLE-POINT KIT |                  |
|---------------------|-----------|------------------|------------------|-----------|------------------|------------------|------------------|------------------|
|                     | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> |
| <b>AVPTC37B14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 20/22.1          | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| <b>AVPTC37C14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| HKSC19C*##          | 34.7/40   | 49.8/57          | 50/60            | 34.7/40   | 43.3/50          | 45/50            | 93.2/106.5       | 100/110          |
| HKS*15XF*           | 0/0       | 6.5/6.5          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| <b>AVPTC37D14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| HKSC20D#C*          | 34.7/40   | 49.8/57          | 50/60            | 34.7/40   | 43.3/50          | 45/50            | 93.2/106.5       | 100/110          |
| HKS*15XF*           | 0/0       | 6.5/6.5          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| HKS*20XF*           | 0/0       | 6.5/6.5          | 15/15            | 37.5/43   | 47/54            | 50/60            | ---              | ---              |
| <b>AVPTC39C14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| HKSC19C*##          | 34.7/40   | 49.8/57          | 50/60            | 34.7/40   | 43.3/50          | 45/50            | 93.2/106.5       | 100/110          |
| HKS*15XF*           | 0/0       | 6.5/6.5          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| <b>AVPTC42D14AA</b> | 0.0/0.0   | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 20/22            | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 28/32            | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 34/38            | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 43/48            | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 50/57            | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKSC15*##           | 34.7/40.0 | 50/57            | 50/60            | 17.3/20.0 | 22/25            | 25/25            | 72/82            | 80/90            |
| HKSC20D#*           | 34.7/40.0 | 50/57            | 50/60            | 34.7/40   | 43/50            | 45/50            | 93/107           | 100/110          |
| HKSC15XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 30.0/34.6 | 38/43            | 40/45            | ---              | ---              |
| HKSC20XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 37.5/43.3 | 47/54            | 50/60            | ---              | ---              |
| <b>AVPTC48C14AA</b> | 0.0/0.0   | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 20/22            | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 28/32            | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 34/38            | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 43/48            | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 50/57            | 50/60            | ---       | ---              | ---              | ---              | ---              |

<sup>1</sup> Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25<sup>2</sup> Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps<sup>^</sup> Circuit 1: Single-phase for Air Handlers    Circuit 2: Three-phase for HKR3 Heater Kits

\* Revision level that may or may not be designated

# HEAT KIT DATA (CONT.)

| MODELS              | CIRCUIT 1 |                  |                  | CIRCUIT 2 |                  |                  | SINGLE-POINT KIT |                  |
|---------------------|-----------|------------------|------------------|-----------|------------------|------------------|------------------|------------------|
|                     | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> |
| HKSC15*##           | 34.7/40.0 | 50/57            | 50/60            | 17.3/20.0 | 22/25            | 25/25            | 72/82            | 80/90            |
| HKSC19C#*           | 34.7/40.0 | 50/57            | 50/60            | 34.7/40   | 43/50            | 45/50            | 93/107           | 100/110          |
| HKSC15XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 30.0/34.6 | 38/43            | 40/45            | ---              | ---              |
| HKSC20XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 37.5/43.3 | 47/54            | 50/60            | ---              | ---              |
| <b>AVPTC48D14AA</b> | 0.0/0.0   | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 20/22            | 20/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 28/32            | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 34/38            | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 43/48            | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 50/57            | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKSC15*##           | 34.7/40.0 | 50/57            | 50/60            | 17.3/20.0 | 22/25            | 25/25            | 72/82            | 80/90            |
| HKSC20D#*           | 34.7/40.0 | 50/57            | 50/60            | 34.7/40   | 43/50            | 45/50            | 93/107           | 100/110          |
| HKSC15XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 30.0/34.6 | 38/43            | 40/45            | ---              | ---              |
| HKSC20XF*           | 0.0/0.0   | 6.5/6.5          | 15/15            | 37.5/43.3 | 47/54            | 50/60            | ---              | ---              |
| HKSC25DC*           | 52.0/60.0 | 74/84            | 80/90            | 34.7/40.0 | 43/50            | 45/50            | 117/134          | 125/150          |
| <b>AVPTC49C14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| HKSC19C*##          | 34.7/40   | 49.8/57          | 50/60            | 34.7/40   | 43.3/50          | 45/50            | 93.2/106.5       | 100/110          |
| HKS*15XF*           | 0/0       | 6.5/6.5          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| <b>AVPTC49D14AA</b> | 0/0       | 6.5/6.5          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 28.2/32          | 30/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 33.6/38          | 35/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 42.6/48          | 45/50            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 49.8/57          | 50/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 49.8/57          | 50/60            | 17.3/20   | 21.7/25          | 25/25            | 71.5/81.5        | 80/90            |
| HKSC20D#C*          | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*15XF*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*20XF*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKSC25DC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| <b>AVPTC59C14AA</b> | 0/0       | 8.6/8.6          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 30.3/34          | 35/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 36/39.9          | 40/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 45/50.3          | 45/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 52/58.6          | 60/60            | ---       | ---              | ---              | ---              | ---              |
| HKSC15*##           | 34.7/40   | 52/58.6          | 60/60            | 17.3/20   | 21.7/25          | 25/25            | 73.6/83.6        | 80/90            |
| HKSC19C#*           | 34.7/40   | 52/58.6          | 60/60            | 34.7/40   | 43.3/50          | 45/50            | 95.3/108.6       | 100/110          |
| HKSC15XF*           | 0/0       | 8.6/8.6          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| HKSC20XF*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| <b>AVPTC59D14AA</b> | 0/0       | 8.6/8.6          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 30.3/34          | 35/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 36/39.9          | 40/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 45/50.3          | 45/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 52/58.6          | 60/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 52/58.6          | 60/60            | 17.3/20   | 21.7/25          | 25/25            | 73.6/83.6        | 80/90            |

<sup>1</sup> Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25

<sup>2</sup> Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps

<sup>^</sup> Circuit 1: Single-phase for Air Handlers Circuit 2: Three-phase for HKR3 Heater Kits

\* Revision level that may or may not be designated

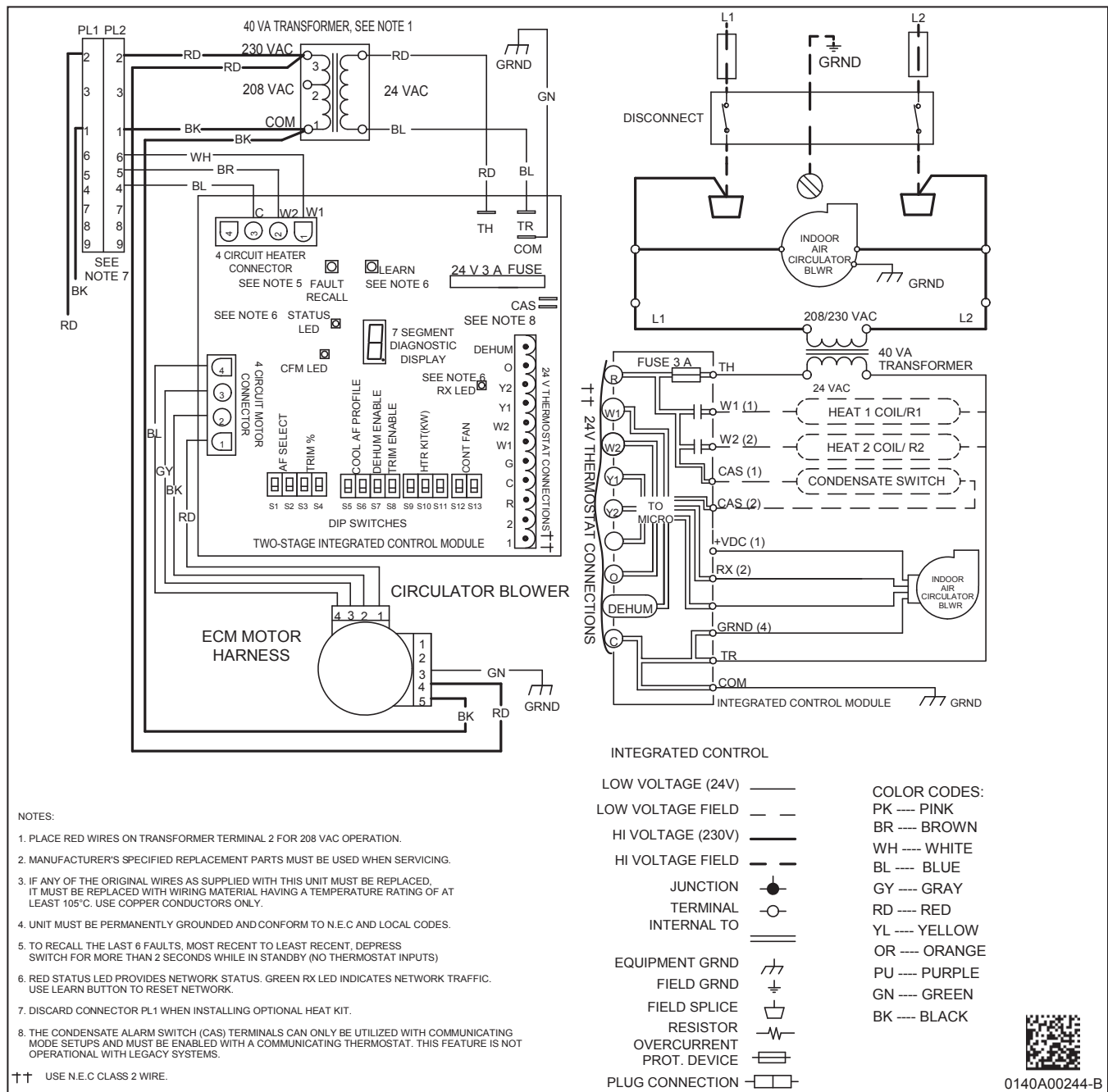
| MODELS              | CIRCUIT 1 |                  |                  | CIRCUIT 2 |                  |                  | SINGLE-POINT KIT |                  |
|---------------------|-----------|------------------|------------------|-----------|------------------|------------------|------------------|------------------|
|                     | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | AMPS      | MCA <sup>1</sup> | MOP <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> |
| HKSC20D#C*          | 34.7/40   | 52/58.6          | 60/60            | 34.7/40   | 43.3/50          | 45/50            | 95.3/108.6       | 100/110          |
| HKS*15XF*           | 0/0       | 8.6/8.6          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| HKS*20XF*           | 0/0       | 8.6/8.6          | 15/15            | 37.5/43   | 47/54            | 50/60            | ---              | ---              |
| <b>AVPTC60D14AA</b> | 0.0/0.0   | 8.6/8.6          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | 10.8/12.5 | 22/24            | 25/25            | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20.0 | 30/34            | 35/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25.0 | 36/40            | 40/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 45/50            | 45/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40.0 | 52/59            | 60/60            | ---       | ---              | ---              | ---              | ---              |
| HKSC15*##           | 34.7/40.0 | 52/59            | 60/60            | 17.3/20   | 22/25            | 25/25            | 74/84            | 80/90            |
| HKSC20D#*           | 34.7/40.0 | 52/59            | 60/60            | 34.7/40.0 | 43/50            | 45/50            | 95/109           | 100/110          |
| HKSC15XF*           | 0.0/0.0   | 8.6/8.6          | 15/15            | 30.0/34.6 | 38/43            | 40/45            | ---              | ---              |
| HKSC20XF*           | 0.0/0.0   | 8.6/8.6          | 15/15            | 37.5/43.3 | 47/54            | 50/60            | ---              | ---              |
| HKSC25DC*           | 52.0/60.0 | 74/84            | 80/90            | 35/40     | 43/50            | 45/50            | 117/134          | 125/150          |
| <b>AVPTC61D14AA</b> | 0/0       | 8.6/8.6          | 15/15            | ---       | ---              | ---              | ---              | ---              |
| HKS*03XC*           | ---       | ---              | ---              | ---       | ---              | ---              | ---              | ---              |
| HKS*05XC*           | 17.3/20   | 30.3/34          | 35/35            | ---       | ---              | ---              | ---              | ---              |
| HKS*06XC*           | 21.7/25   | 36/39.9          | 40/40            | ---       | ---              | ---              | ---              | ---              |
| HKS*08XC*           | 28.9/33.3 | 45/50.3          | 45/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*10XC*           | 34.7/40   | 52/58.6          | 60/60            | ---       | ---              | ---              | ---              | ---              |
| HKS*15*##           | 34.7/40   | 52/58.6          | 60/60            | 17.3/20   | 21.7/25          | 25/25            | 73.6/83.6        | 80/90            |
| HKSC20D#C*          | 34.7/40   | 52/58.6          | 60/60            | 34.7/40   | 43.3/50          | 45/50            | 95.3/108.6       | 100/110          |
| HKS*15XF*           | 0/0       | 8.6/8.6          | 15/15            | 30/34.6   | 37.5/43          | 40/45            | ---              | ---              |
| HKS*20XF*           | 0/0       | 8.6/8.6          | 15/15            | 37.5/43   | 47/54            | 50/60            | ---              | ---              |
| HKSC25DC*           | 52/60     | 73.6/84          | 80/90            | 34.7/40   | 43.3/50          | 45/50            | 117/133.6        | 125/150          |

<sup>1</sup> Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25

<sup>2</sup> Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps

<sup>^</sup> Circuit 1: Single-phase for Air Handlers    Circuit 2: Three-phase for HKR3 Heater Kits

\* Revision level that may or may not be designated

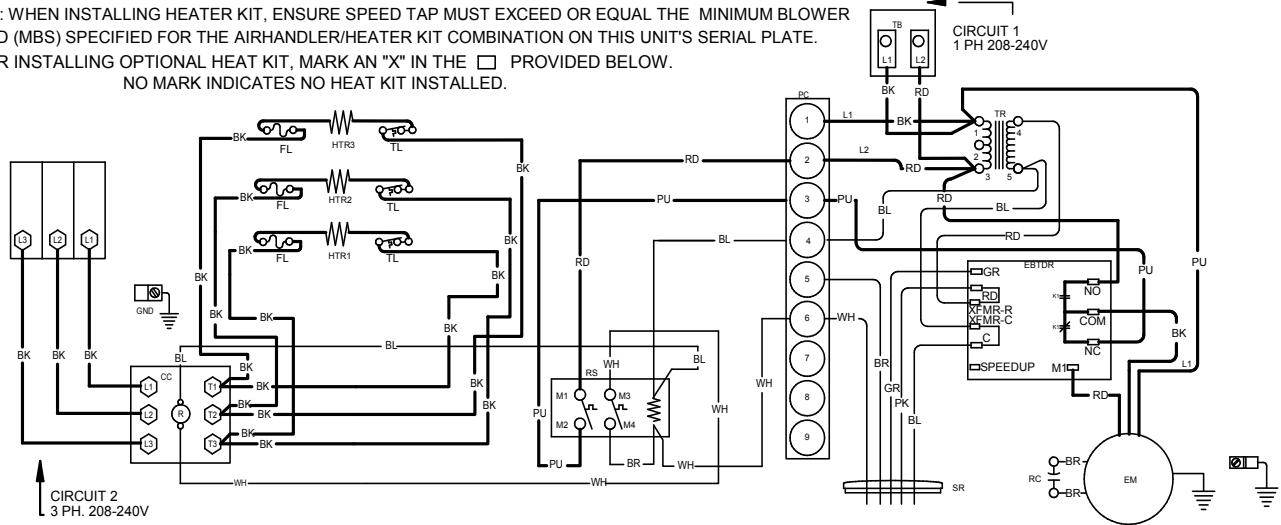


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

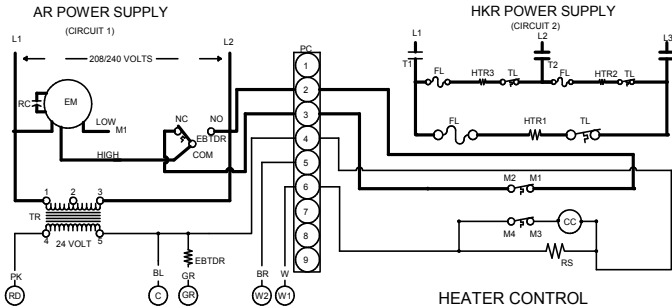
**WARNING**

**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.

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.



NOTE:-  
THIS LABEL MUST BE  
ATTACHED ON THE  
AIRHANDLER IN A PROMINENT  
LOCATION



COMPONENT CODE

HTR — HEAT ELEMENT  
EM — EVAPORATOR MOTOR  
EBTOR — ELEC. BLOWER TIME DELAY RELAY  
RS — RELAY/SEQUENCER  
RC — RUN CAPACITOR  
TL — THERMAL LIMIT  
TR — TRANSFORMER  
TB — TERMINAL BLOCK  
CC — CONTACTOR  
PC — 8-PIN CONNECTOR  
SR — STRAIN RELIEF  
FL — FUSE LINK  
CB — CIRCUIT BREAKER

WIRING CODE

HIGH VOLTAGE ————  
LOW VOLTAGE ————

COLOR CODE

BK — BLACK  
BL — BLUE  
BR — BROWN  
GR — GREEN  
OR — ORANGE  
PK — PINK  
PU — PURPLE  
RD — RED  
WH — WHITE  
YL — YELLOW



0140M00273-A

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.



**DOWNFLOW KITS**

| DFK-B        | DFK-C        | DFK-D        |
|--------------|--------------|--------------|
| AVPTC24B14** | AVPTC30C14** | AVPTC42D14** |
| AVPTC25B14** | AVPTC36C14** | AVPTC48D14** |
| AVPTC29B14** | AVPTC48C14** | AVPTC60D14** |
| AVPTC37B14** | AVPTC31C14** | AVPTC37D14** |
|              | AVPTC33C14** | AVPTC59D14** |
|              | AVPTC37C14** | AVPTC49D14** |
|              | AVPTC39C14** | AVPTC61D14** |
|              | AVPTC49C14** |              |
|              | AVPTC59C14** |              |

**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  | HKR-15C | HKR-20C | HKR-21C |
|--------|---------|---------|---------|
| SPW-01 | 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.