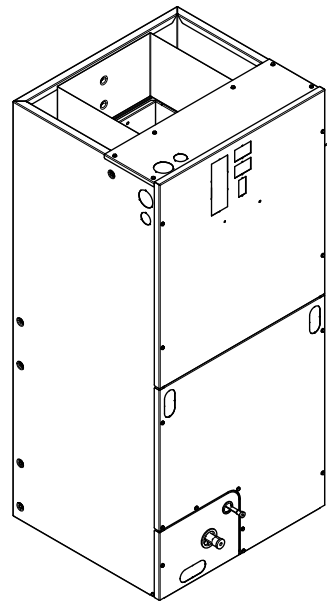




# Product and Submittal Data

## Convertible Air Handlers 2 to 5 Tons

5TEM6B02AV21SA  
5TEM6B03AV21SA  
5TEM6D04AV31SA  
5TEM6D05AV41SA  
5TEM6D06AV41SA  
5TEM6D07AV51SA



**Note:** Graphics in this document are for representation only.  
Actual model may differ in appearance.



## Introduction

The 5TEM6 series air handler is designed for installation in a closet, utility room, alcove, basement, crawlspace or attic. These versatile units are applicable to air conditioning and heat pump applications. Several models are available to meet the specific requirements of the outdoor equipment. Field installed electric resistance heaters are available.

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## Revision History

Updated note (a) on all product specification tables.



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## Features and Benefits

- Metal cabinet with captured foil face insulation
- 2% or less air leakage
- R-4.2 Insulating Value
- Multi-Position UP/Down Flow, Horizontal Left /Right
- ALL Aluminum Coil
- Electric Heaters with polarized plug connections (sold as accessory)
- R-454B Thermal Expansion Valve
- Variable Speed ECM Motor
- Low Voltage Pigtail Connections
- Draw Through Design
- Horizontal Drain Pan
- Single Color
- Fused 24v Power
- **5 Year Base Limited Warranty**
- **10 Year Registered Limited Warranty**
- **Optional extended warranty available**

## Optional Equipment

Table 1. Optional equipment

| Accessory Number        | Description                                                              | Fits Cabinet Size (in.) |
|-------------------------|--------------------------------------------------------------------------|-------------------------|
| BAYHTR1504BRK           | Electric Heater, 4KW, Breaker, 24v Control, 1 Ph                         | 18.5 and 23.5           |
| BAYHTR1504LUG           | Electric Heater, 4KW, Lug, 24v Control, 1 Ph                             | 18.5 and 23.5           |
| BAYHTR1505BRK           | Electric Heater, 5KW, Breaker, 24v Control, 1 Ph                         | 18.5 and 23.5           |
| BAYHTR1505LUG           | Electric Heater, 5KW, Lug, 24v Control, 1 Ph                             | 18.5 and 23.5           |
| BAYHTR1508BRK           | Electric Heater, 8KW, Breaker, 24v Control, 1 Ph                         | 18.5 and 23.5           |
| BAYHTR1508LUG           | Electric Heater, 8KW, Lug, 24v Control, 1 Ph                             | 18.5 and 23.5           |
| BAYHTR1510BRK           | Electric Heater, 10KW, Breaker, 24v Control, 1 Ph                        | 18.5 and 23.5           |
| BAYHTR1510LUG           | Electric Heater, 10KW, Lug, 24v Control, 1 Ph                            | 18.5 and 23.5           |
| BAYHTR3510LUG           | Electric Heater, 10KW, Lug, 24v Control, 3 Ph                            | 18.5 and 23.5           |
| BAYHTR1517BRK           | Electric Heater, 15KW, Breaker, 24v Control, 1 Ph                        | 18.5 and 23.5           |
| BAYHTR3517LUG           | Electric Heater, 15KW, Lug, 24v Control, 3 Ph                            | 18.5 and 23.5           |
| BAYHTR1523BRK           | Electric Heater, 20KW, Breaker, 24v Control, 1 Ph                        | 23.5                    |
| BAYHTR1525BRK           | Electric Heater, 25KW, Breaker, 24v Control, 1 Ph                        | 23.5 (D06, D07 only)    |
| BAYTEMSPFG1             | Supply Duct Flange Kit                                                   | 18.5 and 23.5           |
| BAYSPEKT201A            | Single Point Power Entry Kit                                             | 18.5 and 23.5           |
| TAYBASE185              | Air Handler Downflow Sub-Bases 18.5 in                                   | 18.5                    |
| TAYBASE235 (TAYBASE100) | Air Handler Downflow Sub-Bases 23.5 in.                                  | 23.5                    |
| BAYTEMDFKT1A            | Downflow Condensate Management Kit 23.5 in.                              | 23.5                    |
| TEMBRKSEALKT01A         | TEM Breaker Seal Kit                                                     | 18.5 and 23.5           |
| BAYSF1185AAA            | Slim Fit Filter Box Kit 18.5 in.                                         | 18.5                    |
| BAYSF1235AAA            | Slim Fit Filter Box Kit 23.5 in.                                         | 23.5                    |
| FLRSF1185               | 1 in. Slim Fit Replacement Filter, 17.75 in. x19.75 in., Qty 12 18.5 in. | 18.5                    |
| FLRSF1235               | 1 in. Slim Fit Replacement Filter, 22.75 in. x19.75 in., Qty 12 23.5 in  | 23.5                    |
| BAYAH120VKT             | 120v Conversion Kit                                                      | 18.5 and 23.5           |



# Product Specifications

**Table 2. Models – 5TEM6B02AV21SA, 5TEM6B03AV21SA, and 5TEM6D04AV31SA**

| Model                                                        | 5TEM6B02AV21SA                                | 5TEM6B03AV21SA                                | 5TEM6D04AV31SA                                |
|--------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Family                                                       | 5TEM6                                         | 5TEM6                                         | 5TEM6                                         |
| Brand                                                        | Trane, American Standard                      | Trane, American Standard                      | Trane, American Standard                      |
| Family Description                                           | R-454B Convertible Variable Speed Air Handler | R-454B Convertible Variable Speed Air Handler | R-454B Convertible Variable Speed Air Handler |
| Application Configuration                                    | 4-Way                                         | 4-Way                                         | 4-Way                                         |
| <b>Rated Capacity Range (BTUH)</b>                           | 18K - 24K                                     | 18K - 30K                                     | 24K - 42K                                     |
| <b>System Control Type</b>                                   | 24v                                           | 24v                                           | 24v                                           |
| <b>Power Conn. - V/Ph/Hz</b>                                 | 208-230/1/60                                  | 208-230/1/60                                  | 208-230/1/60                                  |
| Max Breaker Size, Without Electric Heater (Amps)             | 15                                            | 15                                            | 15                                            |
| Max Breaker Size, With Electric Heater (Amps) <sup>(a)</sup> | 60                                            | 60                                            | 60                                            |
| <b>Coil Type</b>                                             | All-Aluminum Plate Fin                        | All-Aluminum Plate Fin                        | All-Aluminum Plate Fin                        |
| Refrigerant Type                                             | R-454B                                        | R-454B                                        | R-454B                                        |
| Refrigerant Control                                          | TXV                                           | TXV                                           | TXV                                           |
| Refrigerant Line Connection - Gas (in.)                      | 3/4                                           | 3/4                                           | 7/8                                           |
| Refrigerant Line Connection - Liquid (in.)                   | 3/8                                           | 3/8                                           | 3/8                                           |
| <b>Blower Type</b>                                           | Direct Drive Centrifugal                      | Direct Drive Centrifugal                      | Direct Drive Centrifugal                      |
| Configuration                                                | Draw Through                                  | Draw Through                                  | Draw Through                                  |
| Dimensions (Diameter x Width (in.))                          | 11 x 8                                        | 11 x 8                                        | 11 x 8                                        |
| Motor Type                                                   | Variable Speed                                | Variable Speed                                | Variable Speed                                |
| Nominal CFM <sup>(b)</sup>                                   | 800                                           | 1000                                          | 1200                                          |
| Speed (RPM)                                                  | 1050                                          | 1050                                          | 1050                                          |
| Volts/Ph/Hz                                                  | 208-230/1/60                                  | 208-230/1/60                                  | 208-230/1/60                                  |
| Full Load Amps                                               | 2.8                                           | 4.3                                           | 4.3                                           |
| <b>Filter Rack (Yes, No)</b>                                 | No                                            | No                                            | No                                            |
| Dimensions (Length x Width (in.))                            | —                                             | —                                             | -                                             |
| <b>Duct Connections</b>                                      | L x W                                         | L x W                                         | L x W                                         |
| Supply (in.)                                                 | 12.15 x 16.50                                 | 12.15 x 16.50                                 | 12.15 x 21.50                                 |
| Return (in.)                                                 | 18.75 x 16.75                                 | 18.75 x 16.75                                 | 18.75 x 21.75                                 |
| <b>Drain Conn. Size (in.)</b>                                | 3/4 NPT                                       | 3/4 NPT                                       | 3/4 NPT                                       |
| <b>Dimensions</b>                                            | H x W x D                                     | H x W x D                                     | H x W x D                                     |
| Uncrated (in.)                                               | 46-3/4 x 18-1/2 x 21-1/8                      | 46-3/4 x 18-1/2 x 21-1/8                      | 51-3/8 x 23-1/2 x 21-1/8                      |
| Crated (in.)                                                 | 48-1/4 x 22-1/2 x 25-1/2                      | 48-1/4 x 22-1/2 x 25-1/2                      | 52-3/4 x 27-1/2 x 25-1/2                      |
| <b>Weight</b>                                                |                                               |                                               |                                               |
| Shipping/Net (lbs.)                                          | 126/117                                       | 126/117                                       | 155/144                                       |

<sup>(a)</sup> Maximum overcurrent protection is dependent on which electric heater is installed. See [Electrical Data](#), p. 10.

<sup>(b)</sup> For CFM versus external static pressure (in. w.c.), refer to Installation, Operation, and Maintenance manual.



## Product Specifications

**Table 3. Models – 5TEM6D05AV41SA, 5TEM6D06AV41SA, and 5TEM6D07AV51SA**

| Model                                                        | 5TEM6D05AV41SA                                | 5TEM6D06AV41SA                                | 5TEM6D07AV51SA                                |
|--------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Family                                                       | 5TEM6                                         | 5TEM6                                         | 5TEM6                                         |
| Brand                                                        | Trane, American Standard                      | Trane, American Standard                      | Trane, American Standard                      |
| Family Description                                           | R-454B Convertible Variable Speed Air Handler | R-454B Convertible Variable Speed Air Handler | R-454B Convertible Variable Speed Air Handler |
| Application Configuration                                    | 4-Way                                         | 4-Way                                         | 4-Way                                         |
| <b>Rated Capacity Range (BTUH)</b>                           | 36K - 48K                                     | 36K - 60K                                     | 42K - 60K                                     |
| <b>System Control Type</b>                                   | 24v                                           | 24v                                           | 24v                                           |
| <b>Power Conn. - V/Ph/Hz</b>                                 | 208-230/1/60                                  | 208-230/1/60                                  | 208-230/1/60                                  |
| Max Breaker Size, Without Electric Heater (Amps)             | 15                                            | 15                                            | 15                                            |
| Max Breaker Size, With Electric Heater (Amps) <sup>(a)</sup> | 60                                            | 60                                            | 60                                            |
| <b>Coil Type</b>                                             | All-Aluminum Plate Fin                        | All-Aluminum Plate Fin                        | All-Aluminum Plate Fin                        |
| Refrigerant Type                                             | R-454B                                        | R-454B                                        | R-454B                                        |
| Refrigerant Control                                          | TXV                                           | TXV                                           | TXV                                           |
| Refrigerant Line Connection - Gas (in.)                      | 7/8                                           | 7/8                                           | 7/8                                           |
| Refrigerant Line Connection - Liquid (in.)                   | 3/8                                           | 3/8                                           | 3/8                                           |
| <b>Blower Type</b>                                           | Direct Drive Centrifugal                      | Direct Drive Centrifugal                      | Direct Drive Centrifugal                      |
| Configuration                                                | Draw Through                                  | Draw Through                                  | Draw Through                                  |
| Dimensions (Diameter x Width (in.))                          | 11 x 8                                        | 11 x 8                                        | 11 x 8                                        |
| Motor Type                                                   | Variable Speed                                | Variable Speed                                | Variable Speed                                |
| Nominal CFM <sup>(b)</sup>                                   | 1400                                          | 1600                                          | 2000                                          |
| Speed (RPM)                                                  | 1050                                          | 1050                                          | 1050                                          |
| Volts/Ph/Hz                                                  | 208-230/1/60                                  | 208-230/1/60                                  | 208-230/1/60                                  |
| Full Load Amps                                               | 4.3                                           | 6.8                                           | 6.8                                           |
| <b>Filter Rack (Yes, No)</b>                                 | No                                            | No                                            | No                                            |
| Dimensions (Length x Width (in.))                            | —                                             | —                                             | —                                             |
| <b>Duct Connections</b>                                      | L x W                                         | L x W                                         | L x W                                         |
| Supply (in.)                                                 | 12.15 x 21.50                                 | 12.15 x 21.50                                 | 12.15 x 21.50                                 |
| Return (in.)                                                 | 18.75 x 21.75                                 | 18.75 x 21.75                                 | 18.75 x 21.75                                 |
| <b>Drain Conn. Size (in.)</b>                                | 3/4 NPT                                       | 3/4 NPT                                       | 3/4 NPT                                       |
| <b>Dimensions</b>                                            | H x W x D                                     | H x W x D                                     | H x W x D                                     |
| Uncrated (in.)                                               | 51-3/8 x 23-1/2 x 21-1/8                      | 57-3/8 x 23-1/2 x 21-1/8                      | 57-3/8 x 23-1/2 x 21-1/8                      |
| Crated (in.)                                                 | 52-3/4 x 27-1/2 x 25-1/2                      | 58-1/8 x 25-7/8 x 25-1/2                      | 58-1/8 x 25-7/8 x 25-1/2                      |
| <b>Weight</b>                                                |                                               |                                               |                                               |
| Shipping/Net (lbs.)                                          | 155/144                                       | 185/174                                       | 185/174                                       |

<sup>(a)</sup> Maximum overcurrent protection is dependent on which electric heater is installed. See [Electrical Data](#), p. 10.

<sup>(b)</sup> For CFM versus external static pressure (in. w.c.), refer to Installation, Operation, and Maintenance manual.



# Heater Pressure Drop Table

Table 4. Heater pressure drop

| Airflow<br>CFM | Number of Racks                 |      |      |      |  | Heater Racks |              |
|----------------|---------------------------------|------|------|------|--|--------------|--------------|
|                | 1                               | 2    | 3    | 4    |  | Heater Model | No. of Racks |
|                | Air Pressure Drop — Inches W.G. |      |      |      |  |              |              |
| 1800           | 0.02                            | 0.04 | 0.06 | 0.14 |  | BAYHTR1504   | 1            |
| 1700           | 0.02                            | 0.04 | 0.06 | 0.14 |  | BAYHTR1505   | 1            |
| 1600           | 0.02                            | 0.04 | 0.06 | 0.13 |  | BAYHTR1508   | 2            |
| 1500           | 0.02                            | 0.04 | 0.06 | 0.12 |  | BAYHTR1510   | 2            |
| 1400           | 0.02                            | 0.04 | 0.06 | 0.12 |  | BAYHTR1517   | 3            |
| 1300           | 0.02                            | 0.04 | 0.05 | 0.11 |  | BAYHTR3510   | 3            |
| 1200           | 0.01                            | 0.04 | 0.05 | 0.10 |  | BAYHTR3517   | 3            |
| 1100           | 0.01                            | 0.03 | 0.05 | 0.09 |  | BAYHTR1523   | 4            |
| 1000           | 0.01                            | 0.03 | 0.04 | 0.09 |  | BAYHTR1525   | 4            |
| 900            | 0.01                            | 0.03 | 0.04 | 0.08 |  | —            | —            |
| 800            | 0.01                            | 0.03 | —    | —    |  | —            | —            |
| 700            | 0.01                            | 0.02 | —    | —    |  | —            | —            |
| 600            | 0.01                            | 0.02 | —    | —    |  | —            | —            |



# Performance and Electrical Data

## Airflow Performance data

Table 5. Cooling airflow performance – model 5TEM6B02AV21SA

| 5TEM6B02AV21SA Cooling Airflow Performance, Wet Coil, No Filter, No Heater |                       |                 |                    |     |     |     |               |                          |         |         |         |         |
|----------------------------------------------------------------------------|-----------------------|-----------------|--------------------|-----|-----|-----|---------------|--------------------------|---------|---------|---------|---------|
| Outdoor Unit Size (Tons)                                                   | Speed Setting         | Airflow Setting | DIP Switch Setting |     |     |     | Airflow Power | External Static Pressure |         |         |         |         |
|                                                                            |                       |                 | SW1                | SW2 | SW3 | SW4 |               | 0.1                      | 0.3     | 0.5     | 0.7     | 0.9     |
| 1.5                                                                        | Low                   | 353 CFM/ton     | ON                 | ON  | OFF | ON  | CFM Watts     | 524 49                   | 517 83  | 482 111 | 418 133 | 326 148 |
|                                                                            | Normal                | 401 CFM/ton     | ON                 | ON  | OFF | OFF | CFM Watts     | 608 60                   | 604 99  | 580 134 | 535 167 | 471 197 |
|                                                                            | High                  | 451 CFM/ton     | ON                 | ON  | ON  | OFF | CFM Watts     | 683 76                   | 683 119 | 664 160 | 626 198 | 571 233 |
| 2                                                                          | Low                   | 343 CFM/ton     | OFF                | ON  | OFF | ON  | CFM Watts     | 693 78                   | 693 122 | 674 164 | 638 202 | 583 237 |
|                                                                            | Normal                | 390 CFM/ton     | OFF                | ON  | OFF | OFF | CFM Watts     | 787 98                   | 791 149 | 780 197 | 753 241 | 712 284 |
|                                                                            | High                  | 439 CFM/ton     | OFF                | ON  | ON  | OFF | CFM Watts     | 883 126                  | 889 181 | 877 233 | 847 285 | 801 333 |
| 2.5                                                                        | Low                   | 300 CFM/ton     | ON                 | OFF | OFF | ON  | CFM Watts     | 757 91                   | 760 140 | 746 186 | 716 229 | 671 269 |
|                                                                            | Normal <sup>(a)</sup> | 340 CFM/ton     | ON                 | OFF | OFF | OFF | CFM Watts     | 863 119                  | 867 173 | 854 224 | 826 273 | 781 319 |
|                                                                            | High                  | 383 CFM/ton     | ON                 | OFF | ON  | OFF | CFM Watts     | 950 151                  | 963 213 | 945 265 | 896 310 | 818 345 |

<sup>(a)</sup> Factory Default Setting

Table 6. Heating airflow performance – model 5TEM6B02AV21SA

| 5TEM6B02AV21SA Heating Airflow Performance, No Filter, No Heater |                       |                 |                    |     |     |     |               |                          |          |          |          |          |
|------------------------------------------------------------------|-----------------------|-----------------|--------------------|-----|-----|-----|---------------|--------------------------|----------|----------|----------|----------|
| Outdoor Unit Size (Tons)                                         | Speed Setting         | Airflow Setting | DIP Switch Setting |     |     |     | Airflow Power | External Static Pressure |          |          |          |          |
|                                                                  |                       |                 | SW1                | SW2 | SW3 | SW4 |               | 0.1                      | 0.3      | 0.5      | 0.7      | 0.9      |
| 1.5                                                              | Low                   | 394 CFM/ton     | ON                 | ON  | OFF | ON  | CFM Watts     | 594 53                   | 596 91   | 568 125  | 525 160  | 456 186  |
|                                                                  | Normal                | 448 CFM/ton     | ON                 | ON  | OFF | OFF | CFM Watts     | 677 68                   | 681 110  | 662 152  | 627 192  | 573 226  |
|                                                                  | High                  | 493 CFM/ton     | ON                 | ON  | ON  | OFF | CFM Watts     | 744 81                   | 749 127  | 739 175  | 709 219  | 665 257  |
| 2                                                                | Low                   | 393 CFM/ton     | OFF                | ON  | OFF | ON  | CFM Watts     | 791 91                   | 796 139  | 792 191  | 764 238  | 726 278  |
|                                                                  | Normal                | 446 CFM/ton     | OFF                | ON  | OFF | OFF | CFM Watts     | 892 120                  | 900 171  | 894 228  | 865 283  | 815 325  |
|                                                                  | High                  | 491 CFM/ton     | OFF                | ON  | ON  | OFF | CFM Watts     | 987 147                  | 1013 201 | 983 260  | 961 322  | 913 365  |
| 2.5                                                              | Low                   | 350 CFM/ton     | ON                 | OFF | OFF | ON  | CFM Watts     | 878 115                  | 886 166  | 880 222  | 851 276  | 810 321  |
|                                                                  | Normal <sup>(a)</sup> | 398 CFM/ton     | ON                 | OFF | OFF | OFF | CFM Watts     | 101 151                  | 989 205  | 998 264  | 974 328  | 926 371  |
|                                                                  | High                  | 437 CFM/ton     | ON                 | OFF | ON  | OFF | CFM Watts     | 1108 185                 | 1092 241 | 1108 300 | 1072 372 | 1024 412 |

<sup>(a)</sup> Factory Default Setting



**Table 7. Cooling airflow performance – model 5TEM6B03AV21SA**

| 5TEM6B03AV21SA Cooling Airflow Performance, Wet Coil, No Filter, No Heater |                       |                 |                    |     |     |     |               |                          |         |          |         |         |
|----------------------------------------------------------------------------|-----------------------|-----------------|--------------------|-----|-----|-----|---------------|--------------------------|---------|----------|---------|---------|
| Outdoor Unit Size (Tons)                                                   | Speed Setting         | Airflow Setting | DIP Switch Setting |     |     |     | Airflow Power | External Static Pressure |         |          |         |         |
|                                                                            |                       |                 | SW1                | SW2 | SW3 | SW4 |               | 0.1                      | 0.3     | 0.5      | 0.7     | 0.9     |
| 1.5                                                                        | Low                   | 353 CFM/ton     | ON                 | ON  | OFF | ON  | CFM Watts     | 479 39                   | 455 68  | 440 95   | 395 121 | 331 143 |
|                                                                            | Normal                | 401 CFM/ton     | ON                 | ON  | OFF | OFF | CFM Watts     | 577 52                   | 553 86  | 548 119  | 509 149 | 454 176 |
|                                                                            | High                  | 451 CFM/ton     | ON                 | ON  | ON  | OFF | CFM Watts     | 672 67                   | 647 106 | 652 144  | 620 179 | 571 212 |
| 2                                                                          | Low                   | 343 CFM/ton     | OFF                | ON  | OFF | ON  | CFM Watts     | 686 69                   | 685 110 | 667 148  | 635 184 | 588 218 |
|                                                                            | Normal                | 390 CFM/ton     | OFF                | ON  | OFF | OFF | CFM Watts     | 796 92                   | 799 137 | 788 181  | 763 223 | 724 264 |
|                                                                            | High                  | 439 CFM/ton     | OFF                | ON  | ON  | OFF | CFM Watts     | 892 116                  | 899 165 | 892 215  | 872 263 | 837 312 |
| 2.5                                                                        | Low                   | 300 CFM/ton     | ON                 | OFF | OFF | ON  | CFM Watts     | 749 82                   | 751 125 | 738 166  | 710 206 | 668 244 |
|                                                                            | Normal                | 340 CFM/ton     | ON                 | OFF | OFF | OFF | CFM Watts     | 867 109                  | 874 157 | 866 205  | 843 252 | 805 299 |
|                                                                            | High                  | 383 CFM/ton     | ON                 | OFF | ON  | OFF | CFM Watts     | 965 139                  | 976 191 | 972 244  | 954 298 | 922 353 |
| 3                                                                          | Low                   | 310 CFM/ton     | OFF                | OFF | OFF | ON  | CFM Watts     | 940 131                  | 950 182 | 945 234  | 926 286 | 892 339 |
|                                                                            | Normal <sup>(a)</sup> | 330 CFM/ton     | OFF                | OFF | OFF | OFF | CFM Watts     | 993 149                  | 956 202 | 1002 257 | 985 313 | 953 370 |

<sup>(a)</sup> Factory Default Setting

**Table 8. Heating airflow performance – model 5TEM6B03AV21SA**

| 5TEM6B03AV21SA Heating Airflow Performance, No Filter, No Heater |                       |                 |                    |     |     |     |               |                          |          |          |          |          |
|------------------------------------------------------------------|-----------------------|-----------------|--------------------|-----|-----|-----|---------------|--------------------------|----------|----------|----------|----------|
| Outdoor Unit Size (Tons)                                         | Speed Setting         | Airflow Setting | DIP Switch Setting |     |     |     | Airflow Power | External Static Pressure |          |          |          |          |
|                                                                  |                       |                 | SW1                | SW2 | SW3 | SW4 |               | 0.1                      | 0.3      | 0.5      | 0.7      | 0.9      |
| 1.5                                                              | Low                   | 394 CFM/ton     | ON                 | ON  | OFF | ON  | CFM Watts     | 571 44                   | 574 82   | 544 113  | 502 137  | 441 171  |
|                                                                  | Normal                | 448 CFM/ton     | ON                 | ON  | OFF | OFF | CFM Watts     | 677 60                   | 682 99   | 668 138  | 618 170  | 572 206  |
|                                                                  | High                  | 493 CFM/ton     | ON                 | ON  | ON  | OFF | CFM Watts     | 746 75                   | 752 116  | 739 160  | 712 200  | 674 237  |
| 2                                                                | Low                   | 393 CFM/ton     | OFF                | ON  | OFF | ON  | CFM Watts     | 799 86                   | 806 128  | 799 175  | 773 220  | 740 259  |
|                                                                  | Normal                | 446 CFM/ton     | OFF                | ON  | OFF | OFF | CFM Watts     | 902 111                  | 911 157  | 912 210  | 891 260  | 861 308  |
|                                                                  | High                  | 491 CFM/ton     | OFF                | ON  | ON  | OFF | CFM Watts     | 995 131                  | 994 181  | 986 242  | 984 293  | 954 352  |
| 2.5                                                              | Low                   | 350 CFM/ton     | ON                 | OFF | OFF | ON  | CFM Watts     | 887 106                  | 895 152  | 895 204  | 873 254  | 843 300  |
|                                                                  | Normal                | 398 CFM/ton     | ON                 | OFF | OFF | OFF | CFM Watts     | 1004 135                 | 1004 186 | 998 246  | 996 298  | 965 359  |
|                                                                  | High                  | 437 CFM/ton     | ON                 | OFF | ON  | OFF | CFM Watts     | 1089 160                 | 1079 215 | 1064 282 | 1079 332 | 1040 408 |
| 3                                                                | Low                   | 325 CFM/ton     | OFF                | OFF | OFF | ON  | CFM Watts     | 986 131                  | 987 180  | 984 239  | 997 291  | 947 349  |
|                                                                  | Normal <sup>(a)</sup> | 346 CFM/ton     | OFF                | OFF | OFF | OFF | CFM Watts     | 1042 146                 | 1038 198 | 1029 262 | 1034 313 | 1001 380 |

<sup>(a)</sup> Factory Default Setting



## Performance and Electrical Data

**Table 9. Cooling airflow performance – model 5TEM6D04AV31SA/5TEM6D05AV41SA**

| 5TEM6D04AV31SA/5TEM6D05AV41SA Cooling Airflow Performance, Wet Coil, No Filter, No Heater |                       |                 |                    |     |     |     |               |                          |          |          |          |          |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------|--------------------|-----|-----|-----|---------------|--------------------------|----------|----------|----------|----------|
| Outdoor Unit Size (Tons)                                                                  | Speed Setting         | Airflow Setting | DIP Switch Setting |     |     |     | Airflow Power | External Static Pressure |          |          |          |          |
|                                                                                           |                       |                 | SW1                | SW2 | SW3 | SW4 |               | 0.1                      | 0.3      | 0.5      | 0.7      | 0.9      |
| 2.5                                                                                       | Low                   | 300 CFM/ton     | ON                 | ON  | OFF | ON  | CFM Watts     | 717 47                   | 714 97   | 698 142  | 669 183  | 629 219  |
|                                                                                           | Normal                | 341 CFM/ton     | ON                 | ON  | OFF | OFF | CFM Watts     | 801 61                   | 815 116  | 812 167  | 792 216  | 756 262  |
|                                                                                           | High                  | 384 CFM/ton     | ON                 | ON  | ON  | OFF | CFM Watts     | 890 76                   | 922 136  | 933 195  | 922 252  | 890 308  |
| 3                                                                                         | Low                   | 319 CFM/ton     | OFF                | ON  | OFF | ON  | CFM Watts     | 887 75                   | 919 135  | 929 194  | 918 251  | 886 306  |
|                                                                                           | Normal                | 363 CFM/ton     | OFF                | ON  | OFF | OFF | CFM Watts     | 1106 135                 | 1149 202 | 1173 272 | 1176 342 | 1160 414 |
|                                                                                           | High                  | 408 CFM/ton     | OFF                | ON  | ON  | OFF | CFM Watts     | 1218 175                 | 1263 249 | 1287 323 | 1291 401 | 1274 480 |
| 3.5                                                                                       | Low                   | 315 CFM/ton     | ON                 | OFF | OFF | ON  | CFM Watts     | 1117 139                 | 1161 207 | 1184 227 | 1188 348 | 1172 420 |
|                                                                                           | Normal                | 357 CFM/ton     | ON                 | OFF | OFF | OFF | CFM Watts     | 1233 179                 | 1277 255 | 1300 331 | 1301 407 | 1281 484 |
|                                                                                           | High                  | 402 CFM/ton     | ON                 | OFF | ON  | OFF | CFM Watts     | 1323 209                 | 1365 294 | 1379 372 | 1365 443 | 1326 505 |
| 4                                                                                         | Low                   | 308 CFM/ton     | OFF                | OFF | OFF | ON  | CFM Watts     | 1223 176                 | 1268 250 | 1291 326 | 1294 403 | 1277 482 |
|                                                                                           | Normal <sup>(a)</sup> | 350 CFM/ton     | OFF                | OFF | OFF | OFF | CFM Watts     | 1317 208                 | 1354 293 | 1378 371 | 1370 441 | 1310 503 |
|                                                                                           | High                  | 394 CFM/ton     | OFF                | OFF | ON  | OFF | CFM Watts     | 1473 281                 | 1493 372 | 1468 435 | 1400 471 | 1294 482 |

<sup>(a)</sup> Factory Default Setting

## Electrical Data

1. See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters.
2. Heater model numbers may have additional suffix digits.

**Table 10. Model — 5TEM6B02AV21SA**

| 5TEM6B02AV21SA Heater Data                |                        |          |       |                         |                          |                             |          |       |                         |                          |                             |
|-------------------------------------------|------------------------|----------|-------|-------------------------|--------------------------|-----------------------------|----------|-------|-------------------------|--------------------------|-----------------------------|
| Heater Model No.                          | No. of Circuits/Phases | 240 Volt |       |                         |                          |                             | 208 Volt |       |                         |                          |                             |
|                                           |                        | Capacity |       | Heater Amps per Circuit | Minimum Circuit Ampacity | Maximum Overload Protection | Capacity |       | Heater Amps per Circuit | Minimum Circuit Ampacity | Maximum Overload Protection |
|                                           |                        | kW       | BTUH  |                         |                          |                             | kW       | BTUH  |                         |                          |                             |
| No Heater                                 |                        |          |       | 2.8 <sup>(a)</sup>      | 4                        | 15                          |          |       | 2.8 <sup>(a)</sup>      | 4                        | 15                          |
| BAYHTR1504BRK<br>BAYHTR1504LUG            | 1/1                    | 3.84     | 13100 | 16.0                    | 24                       | 25                          | 2.88     | 9800  | 13.8                    | 21                       | 25                          |
| BAYHTR1505BRK<br>BAYHTR1505LUG            | 1/1                    | 4.80     | 16400 | 20.0                    | 29                       | 30                          | 3.60     | 12300 | 17.3                    | 25                       | 25                          |
| BAYHTR1508BRK<br>BAYHTR1508LUG            | 1/1                    | 7.68     | 26200 | 32.0                    | 44                       | 45                          | 5.76     | 19700 | 27.7                    | 38                       | 40                          |
| BAYHTR1510BRK<br>BAYHTR1510LUG            | 1/1                    | 9.60     | 32800 | 40.0                    | 54                       | 60                          | 7.20     | 24600 | 34.6                    | 47                       | 50                          |
| BAYHTR1517BRK<br>Circuit 1 <sup>(b)</sup> | 2/1                    | 9.60     | 32800 | 40.0                    | 54                       | 60                          | 7.20     | 24600 | 34.6                    | 47                       | 50                          |
| BAYHTR1517BRK<br>Circuit 2                |                        | 4.80     | 16400 | 20.0                    | 25                       | 25                          | 3.60     | 12300 | 17.3                    | 22                       | 25                          |
| BAYHTR3510LUG                             | 1/3                    | 9.60     | 32800 | 23.1                    | 32                       | 35                          | 7.20     | 24600 | 20.0                    | 28                       | 30                          |
| BAYHTR3517LUG                             | 1/3                    | 14.40    | 49100 | 34.6                    | 46                       | 50                          | 10.80    | 36900 | 30.0                    | 41                       | 45                          |

**Table 10. Model — 5TEM6B02AV21SA (continued)**
<sup>(a)</sup> Motor Amps

<sup>(b)</sup> MCA and MOP for circuit 1 contains the motor amps

**Table 11. Model — 5TEM6B03AV21SA**

| 5TEM6B03AV21SA Heater Data                |                            |          |       |                               |                                |                                   |          |       |                               |                                |                                   |
|-------------------------------------------|----------------------------|----------|-------|-------------------------------|--------------------------------|-----------------------------------|----------|-------|-------------------------------|--------------------------------|-----------------------------------|
| Heater Model No.                          | No. of Circuits/<br>Phases | 240 Volt |       |                               |                                |                                   | 208 Volt |       |                               |                                |                                   |
|                                           |                            | Capacity |       | Heater<br>Amps per<br>Circuit | Minimum<br>Circuit<br>Ampacity | Maximum<br>Overload<br>Protection | Capacity |       | Heater<br>Amps per<br>Circuit | Minimum<br>Circuit<br>Ampacity | Maximum<br>Overload<br>Protection |
|                                           |                            | kW       | BTUH  |                               |                                |                                   | kW       | BTUH  |                               |                                |                                   |
| No Heater                                 |                            |          |       | 4.3 <sup>(a)</sup>            | 5                              | 15                                |          |       | 4.3 <sup>(a)</sup>            | 5                              | 15                                |
| BAYHTR1504BRK<br>BAYHTR1504LUG            | 1/1                        | 3.84     | 13100 | 16.0                          | 25                             | 25                                | 2.88     | 9800  | 13.8                          | 23                             | 25                                |
| BAYHTR1505BRK<br>BAYHTR1505LUG            | 1/1                        | 4.80     | 16400 | 20.0                          | 30                             | 30                                | 3.60     | 12300 | 17.3                          | 27                             | 30                                |
| BAYHTR1508BRK<br>BAYHTR1508LUG            | 1/1                        | 7.68     | 26200 | 32.0                          | 45                             | 45                                | 5.76     | 19700 | 27.7                          | 40                             | 40                                |
| BAYHTR1510BRK<br>BAYHTR1510LUG            | 1/1                        | 9.60     | 32800 | 40.0                          | 55                             | 60                                | 7.20     | 24600 | 34.6                          | 49                             | 50                                |
| BAYHTR1517BRK<br>Circuit 1 <sup>(b)</sup> | 2/1                        | 9.60     | 32800 | 40.0                          | 55                             | 60                                | 7.20     | 24600 | 34.6                          | 49                             | 50                                |
| BAYHTR1517BRK<br>Circuit 2                |                            | 4.80     | 16400 | 20.0                          | 25                             | 25                                | 3.60     | 12300 | 17.3                          | 22                             | 25                                |
| BAYHTR3510LUG                             | 1/3                        | 9.60     | 32800 | 23.1                          | 34                             | 35                                | 7.20     | 24600 | 20.0                          | 30                             | 30                                |
| BAYHTR3517LUG                             | 1/3                        | 14.40    | 49100 | 34.6                          | 48                             | 50                                | 10.80    | 36900 | 30.0                          | 42                             | 45                                |

<sup>(a)</sup> Motor Amps

<sup>(b)</sup> MCA and MOP for circuit 1 contains the motor amps

**Table 12. Models — 5TEM6D04AV31SA/5TEM6D05AV41SA**

| 5TEM6D04AV31SA/5TEM6D05AV41SA Heater Data |                            |          |       |                               |                                |                                   |          |       |                               |                                |                                   |
|-------------------------------------------|----------------------------|----------|-------|-------------------------------|--------------------------------|-----------------------------------|----------|-------|-------------------------------|--------------------------------|-----------------------------------|
| Heater Model No.                          | No. of Circuits/<br>Phases | 240 Volt |       |                               |                                |                                   | 208 Volt |       |                               |                                |                                   |
|                                           |                            | Capacity |       | Heater<br>Amps per<br>Circuit | Minimum<br>Circuit<br>Ampacity | Maximum<br>Overload<br>Protection | Capacity |       | Heater<br>Amps per<br>Circuit | Minimum<br>Circuit<br>Ampacity | Maximum<br>Overload<br>Protection |
|                                           |                            | kW       | BTUH  |                               |                                |                                   | kW       | BTUH  |                               |                                |                                   |
| No Heater                                 |                            |          |       | 4.3 <sup>(a)</sup>            | 5                              | 15                                |          |       | 4.3 <sup>(a)</sup>            | 5                              | 15                                |
| BAYHTR1504BRK<br>BAYHTR1504LUG            | 1/1                        | 3.84     | 13100 | 16.0                          | 25                             | 25                                | 2.88     | 9800  | 13.8                          | 23                             | 25                                |
| BAYHTR1505BRK<br>BAYHTR1505LUG            | 1/1                        | 4.80     | 16400 | 20.0                          | 30                             | 30                                | 3.60     | 12300 | 17.3                          | 27                             | 30                                |
| BAYHTR1508BRK<br>BAYHTR1508LUG            | 1/1                        | 7.68     | 26200 | 32.0                          | 45                             | 45                                | 5.76     | 19700 | 27.7                          | 40                             | 40                                |
| BAYHTR1510BRK<br>BAYHTR1510LUG            | 1/1                        | 9.60     | 32800 | 40.0                          | 55                             | 60                                | 7.20     | 24600 | 34.6                          | 49                             | 50                                |
| BAYHTR1517BRK<br>Circuit 1 <sup>(b)</sup> | 2/1                        | 9.60     | 32800 | 40.0                          | 55                             | 60                                | 7.20     | 24600 | 34.6                          | 49                             | 50                                |
| BAYHTR1517BRK<br>Circuit 2                |                            | 4.80     | 16400 | 20.0                          | 25                             | 25                                | 3.60     | 12300 | 17.3                          | 22                             | 25                                |
| BAYHTR1523BRK<br>Circuit 1 <sup>(b)</sup> | 2/1                        | 9.60     | 32800 | 40.0                          | 55                             | 60                                | 7.20     | 24600 | 34.6                          | 49                             | 50                                |
| BAYHTR1523BRK<br>Circuit 2                |                            | 9.60     | 32800 | 40.0                          | 50                             | 50                                | 7.20     | 24600 | 34.6                          | 43                             | 45                                |
| BAYHTR3510LUG                             | 1/3                        | 9.60     | 32800 | 23.1                          | 34                             | 35                                | 7.20     | 24600 | 20.0                          | 30                             | 30                                |
| BAYHTR3517LUG                             | 1/3                        | 14.40    | 49100 | 34.6                          | 48                             | 50                                | 10.80    | 36900 | 30.0                          | 42                             | 45                                |

<sup>(a)</sup> Motor Amps

<sup>(b)</sup> MCA and MOP for circuit 1 contains the motor amps



## Performance and Electrical Data

**Table 13. Models — 5TEM6D06AV41SA/5TEM6D07AV51SA**

| 5TEM6D06AV41SA/5TEM6D07AV51SA Heater Data |                            |          |       |                               |                                |                                   |          |       |                               |                                |                                   |
|-------------------------------------------|----------------------------|----------|-------|-------------------------------|--------------------------------|-----------------------------------|----------|-------|-------------------------------|--------------------------------|-----------------------------------|
| Heater Model No.                          | No. of Circuits/<br>Phases | 240 Volt |       |                               |                                |                                   | 208 Volt |       |                               |                                |                                   |
|                                           |                            | Capacity |       | Heater<br>Amps per<br>Circuit | Minimum<br>Circuit<br>Ampacity | Maximum<br>Overload<br>Protection | Capacity |       | Heater<br>Amps per<br>Circuit | Minimum<br>Circuit<br>Ampacity | Maximum<br>Overload<br>Protection |
|                                           |                            | kW       | BTUH  |                               |                                |                                   | kW       | BTUH  |                               |                                |                                   |
| No Heater                                 |                            |          |       | 6.8 <sup>(a)</sup>            | 9                              | 15                                |          |       | 6.8 <sup>(a)</sup>            | 9                              | 15                                |
| BAYHTR1504BRK<br>BAYHTR1504LUG            | 1/1                        | 3.84     | 13100 | 16.0                          | 29                             | 30                                | 2.88     | 9800  | 13.8                          | 26                             | 30                                |
| BAYHTR1505BRK<br>BAYHTR1505LUG            | 1/1                        | 4.80     | 16400 | 20.0                          | 34                             | 35                                | 3.60     | 12300 | 17.3                          | 30                             | 30                                |
| BAYHTR1508BRK<br>BAYHTR1508LUG            | 1/1                        | 7.68     | 26200 | 32.0                          | 49                             | 50                                | 5.76     | 19700 | 27.7                          | 43                             | 45                                |
| BAYHTR1510BRK<br>BAYHTR1510LUG            | 1/1                        | 9.60     | 32800 | 40.0                          | 59                             | 60                                | 7.20     | 24600 | 34.6                          | 52                             | 60                                |
| BAYHTR1517BRK<br>Circuit 1 <sup>(b)</sup> | 2/1                        | 9.60     | 32800 | 40.0                          | 59                             | 60                                | 7.20     | 24600 | 34.6                          | 52                             | 60                                |
| BAYHTR1517BRK<br>Circuit 2                |                            | 4.80     | 16400 | 20.0                          | 25                             | 25                                | 3.60     | 12300 | 17.3                          | 22                             | 25                                |
| BAYHTR1523BRK<br>Circuit 1 <sup>(b)</sup> | 2/1                        | 9.60     | 32800 | 40.0                          | 59                             | 60                                | 7.20     | 24600 | 34.6                          | 52                             | 60                                |
| BAYHTR1523BRK<br>Circuit 2                |                            | 9.60     | 32800 | 40.0                          | 50                             | 50                                | 7.20     | 24600 | 34.6                          | 43                             | 45                                |
| BAYHTR1525BRK<br>Circuit 1 <sup>(b)</sup> | 4/1                        | 6.00     | 20500 | 25.0                          | 40                             | 40                                | 4.50     | 15400 | 21.6                          | 36                             | 40                                |
| BAYHTR1525BRK<br>Circuit 2                |                            | 6.00     | 20500 | 25.0                          | 31                             | 35                                | 4.50     | 15400 | 21.6                          | 27                             | 30                                |
| BAYHTR1525BRK<br>Circuit 3                |                            | 6.00     | 20500 | 25.0                          | 31                             | 35                                | 4.50     | 15400 | 21.6                          | 27                             | 30                                |
| BAYHTR1525BRK<br>Circuit 4                |                            | 6.00     | 20500 | 25.0                          | 31                             | 35                                | 4.50     | 15400 | 21.6                          | 27                             | 30                                |
| BAYHTR3510LUG                             | 1/3                        | 9.60     | 32800 | 23.1                          | 36                             | 40                                | 7.20     | 24600 | 20.0                          | 33                             | 35                                |
| BAYHTR3517LUG                             | 1/3                        | 14.40    | 49100 | 34.6                          | 51                             | 60                                | 10.80    | 36900 | 30.0                          | 45                             | 45                                |

<sup>(a)</sup> Motor Amps

<sup>(b)</sup> MCA and MOP for circuit 1 contains the motor amps



# Minimum Airflow CFM

Table 14. Models – 5TEM6B02AV21SA and 5TEM6B03AV21SA

| Heater                                                     | Minimum Heater Airflow CFM |                   |
|------------------------------------------------------------|----------------------------|-------------------|
|                                                            | With Heat Pump             | Without Heat Pump |
| BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG | 660                        | 500               |
| BAYHTR1508BRK, BAYHTR1508LUG                               | 780                        | 600               |
| BAYHTR1510BRK, BAYHTR1510LUG                               | 780                        | 600               |
| BAYHTR1517BRK                                              | 1050                       | 850               |
| BAYHTR3510LUG                                              | 780                        | 600               |
| BAYHTR3517LUG                                              | 900                        | 850               |

Table 15. Models – 5TEM6D04AV31SA and 5TEM6D05AV41SA

| Heater                                                     | Minimum Heater Airflow CFM |                   |
|------------------------------------------------------------|----------------------------|-------------------|
|                                                            | With Heat Pump             | Without Heat Pump |
| BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG | 875                        | 675               |
| BAYHTR1508BRK, BAYHTR1508LUG                               | 950                        | 820               |
| BAYHTR1510BRK, BAYHTR1510LUG                               | 1000                       | 820               |
| BAYHTR1517BRK                                              | 1000                       | 820               |
| BAYHTR3510LUG                                              | 875                        | 820               |
| BAYHTR3517LUG                                              | 1000                       | 950               |
| BAYHTR1523BRK                                              | 1300                       | 1140              |

Table 16. Models – 5TEM6D06AV41SA and 5TEM6D07AV51SA

| Heater                                                     | Minimum Heater Airflow CFM |                   |
|------------------------------------------------------------|----------------------------|-------------------|
|                                                            | With Heat Pump             | Without Heat Pump |
| BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG | 1200                       | 975               |
| BAYHTR1508BRK, BAYHTR1508LUG                               | 1350                       | 975               |
| BAYHTR1510BRK, BAYHTR1510LUG                               | 1350                       | 975               |
| BAYHTR1517BRK                                              | 1365                       | 975               |
| BAYHTR3510LUG                                              | 1300                       | 975               |
| BAYHTR3517LUG                                              | 1365                       | 1120              |
| BAYHTR1523BRK                                              | 1365                       | 1300              |
| BAYHTR1525BRK                                              | 1810                       | 1505              |

**Notes:** See following tables for heater application:

- Pressure Drop for Electrical Heaters
- Minimum Heating Airflow Matrix (on unit nameplates)

Table 17. Airflow performance with auxiliary heat - models 5TEM6B02AV21SA and 5TEM6B03AV21SA

| Airflow Settings | DIP Switch Settings |          | Nominal Airflow |
|------------------|---------------------|----------|-----------------|
|                  | Switch 7            | Switch 8 |                 |
| Low              | ON                  | ON       | 601             |
| Med-Lo           | OFF                 | ON       | 661             |
| Med-Hi           | ON                  | OFF      | 781             |
| High             | OFF                 | OFF      | 973             |

Table 18. Airflow performance with auxiliary heat - models 5TEM6D04AV31SA and 5TEM6D05AV41SA

| Airflow Settings | DIP Switch Settings |          | Nominal Airflow |
|------------------|---------------------|----------|-----------------|
|                  | Switch 7            | Switch 8 |                 |
| Low              | ON                  | ON       | 696             |
| Med-Lo           | OFF                 | ON       | 825             |
| Med-Hi           | ON                  | OFF      | 1150            |
| High             | OFF                 | OFF      | 1298            |

Table 19. Airflow performance with auxiliary heat - models 5TEM6D06AV41SA and 5TEM6D07AV51SA

| Airflow Settings | DIP Switch Settings |          | Nominal Airflow |
|------------------|---------------------|----------|-----------------|
|                  | Switch 7            | Switch 8 |                 |
| Low              | ON                  | ON       | 1000            |
| Med-Lo           | OFF                 | ON       | 1130            |



## Minimum Airflow CFM

Table 19. Airflow performance with auxiliary heat - models 5TEM6D06AV41SA and 5TEM6D07AV51SA (continued)

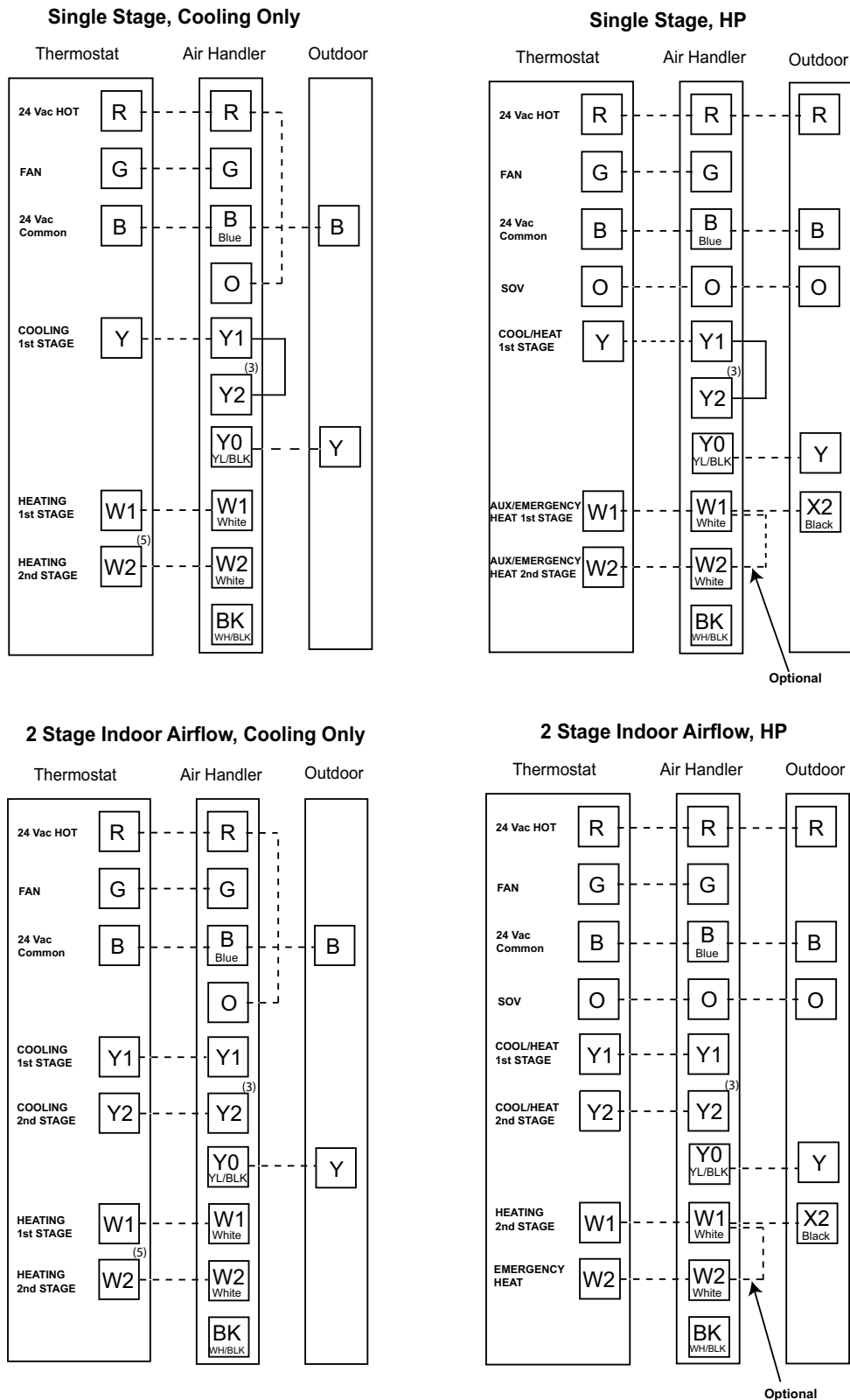
| Airflow Settings | DIP Switch Settings |          | Nominal Airflow |
|------------------|---------------------|----------|-----------------|
|                  | Switch 7            | Switch 8 |                 |
| Med-Hi           | ON                  | OFF      | 1354            |
| High             | OFF                 | OFF      | 1596            |

[illegible]

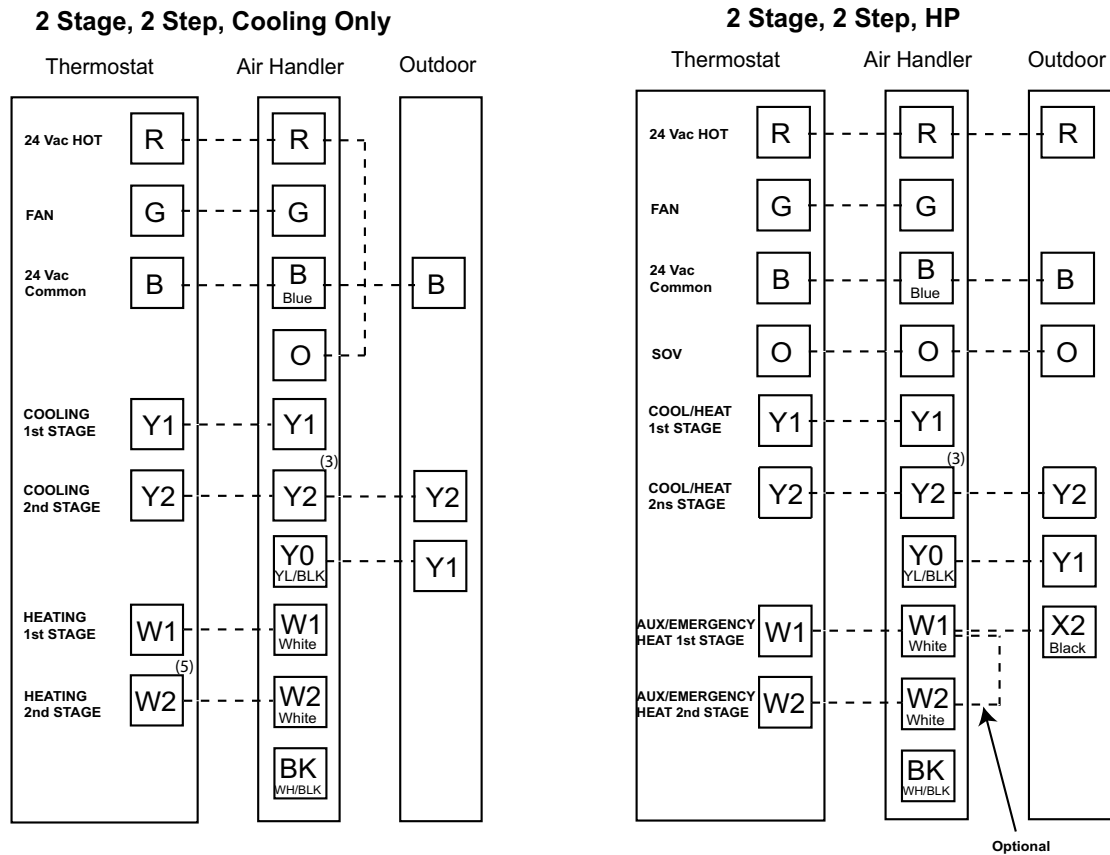
15

# Field Wiring Diagrams

Figure 2. Field wiring diagrams





**Figure 3. Field wiring diagrams**


1. Units with pigtails require wirenuts for connections.
2. Cap all unused wires.
3. When BK is used with PWM-enabled Comfort Control, do not connect Y2 at the air handler.
4. When BK is used, cut the jumper between R and BK on the control board. See wiring schematic for details.
5. In AC systems for multiple stages of electric heat, jumper W1 and W2 together if comfort control has only one stage of heat.

## External Switches and Accessories

The following optional connections are available on the mitigation control board (see connection diagrams [Figure 4, p. 18](#)):

- ACC1 and ACC2 accessory connections. Use when connecting an accessory to the air handler that could be considered a source of ignition (ex. electronic air cleaner).
- Aoa/Aob audible alarm connections. Use when configuring an audible alarm on the refrigerant detection system of the air handler.

ACC1, ACC2, and Aoa/Aob are dry contacts and need source voltage provided from either the accessory or the unit's control wiring.

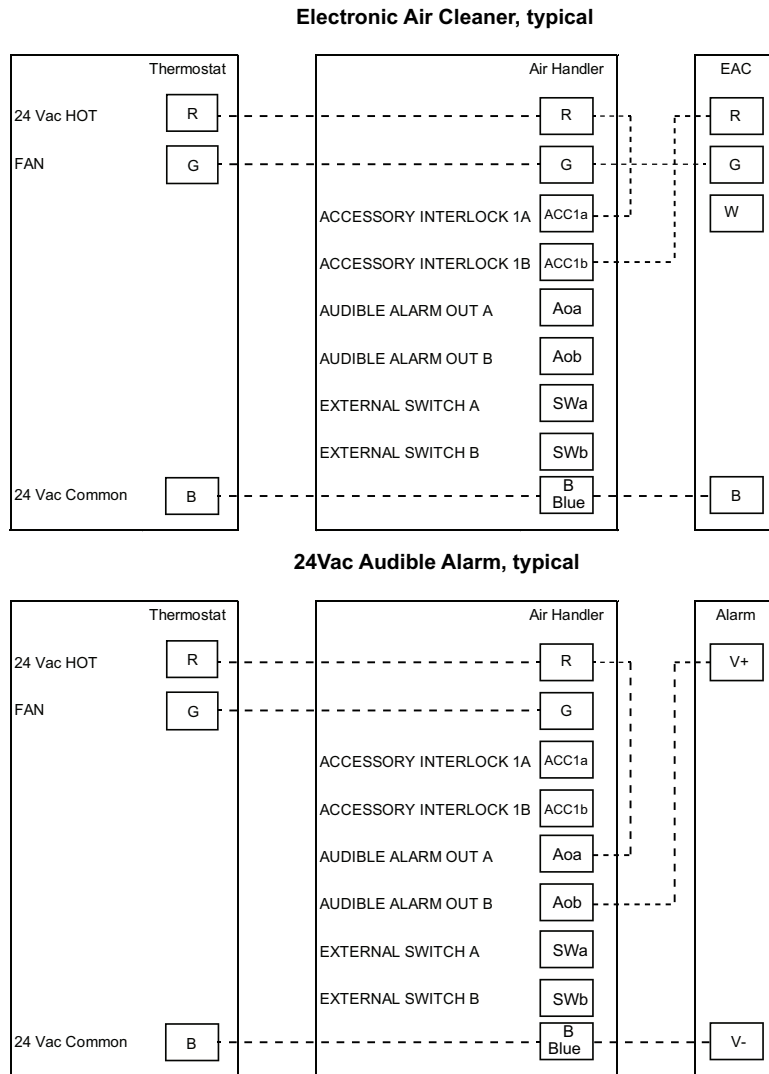
Connect using field-supplied 3/16-in. (Aoa/Aob) or 1/4-in. (ACC1, ACC2) female spade connections.

Figure 4. Accessories diagram



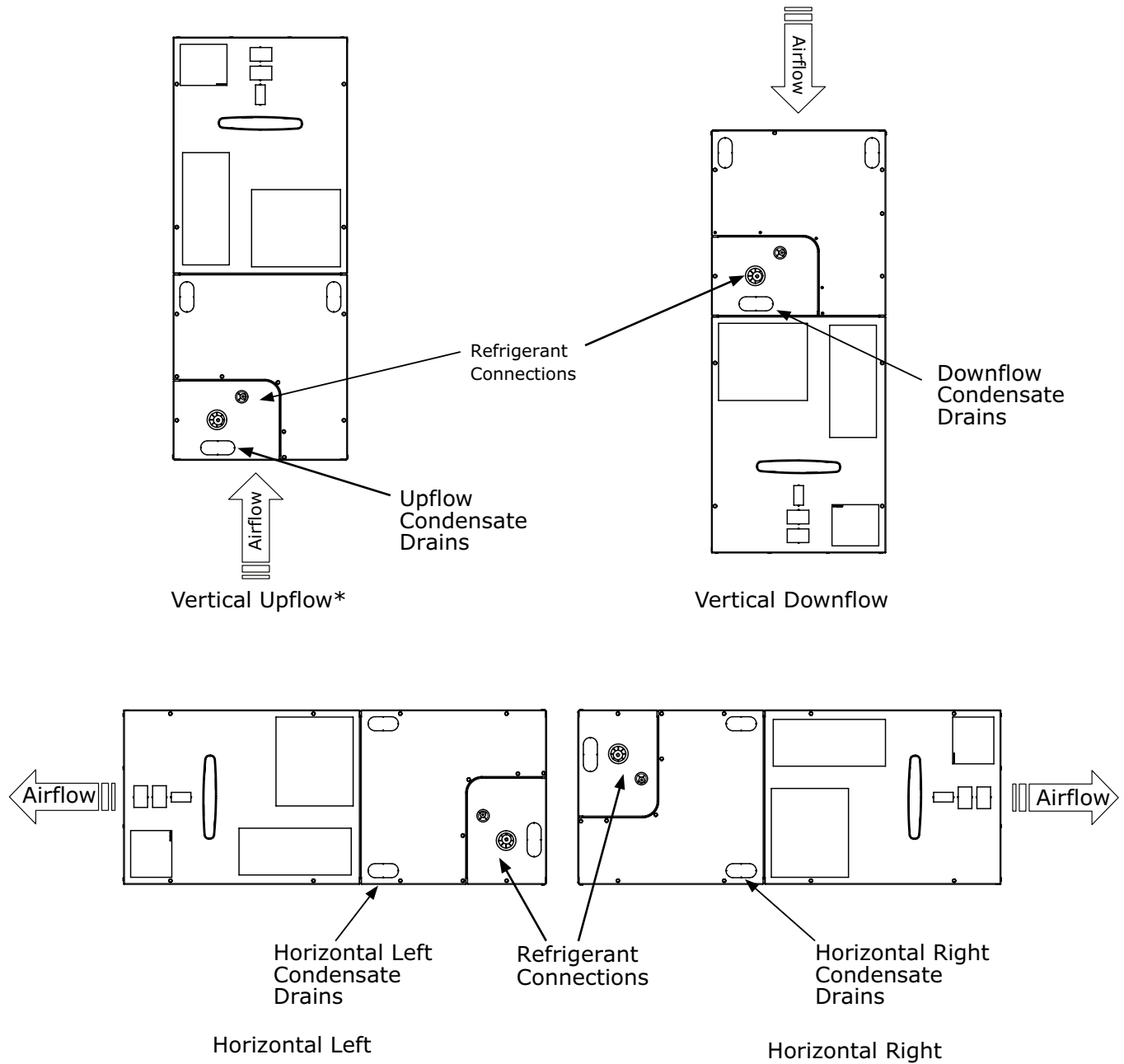
## SCAN ME

Scan QR code to view instructional videos on field wiring for CleanEffects or AccuClean electronic air cleaners.



# Unit Convertibility

Figure 5. Multi-position air handler  
 \* = No internal modifications required.



# Dimensional Data

Figure 6. Dimensional data

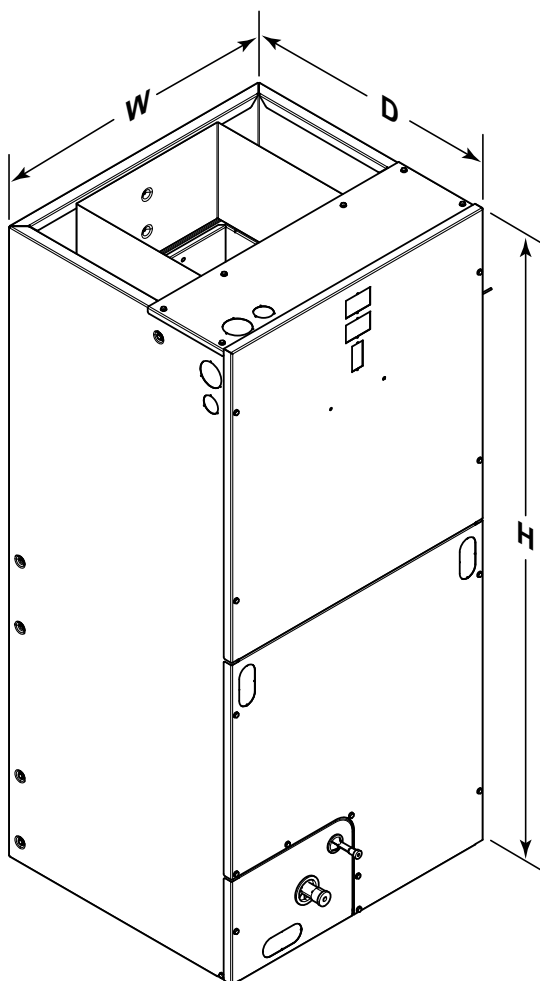


Table 20. Dimensions (inches)

| Model No.      | H     | W     | D     |
|----------------|-------|-------|-------|
| 5TEM6B02AV21SA | 46.77 | 18.50 | 21.13 |
| 5TEM6B03AV21SA | 46.77 | 18.50 | 21.13 |
| 5TEM6D04AV31SA | 51.27 | 23.50 | 21.13 |
| 5TEM6D05AV41SA | 51.27 | 23.50 | 21.13 |
| 5TEM6D06AV41SA | 57.40 | 23.50 | 21.13 |
| 5TEM6D07AV51SA | 57.40 | 23.50 | 21.13 |

### Figure 7. Dimensions



**Table 21. Dimensions (inches)**

| Air Handler Model | A     | B     | C     | D     | E    | F    | H     | J    | Flow Control | Gas Line Braze |
|-------------------|-------|-------|-------|-------|------|------|-------|------|--------------|----------------|
| 5TEM6B02, 03      | 46.77 | 18.50 | 16.50 | 16.75 | 5.43 | 7.08 | 20.07 | 5.76 | TXV          | 3/4            |
| 5TEM6D04, D05     | 51.27 | 23.50 | 21.50 | 21.75 | 7.01 | 9.66 | 24.58 | 6.76 | TXV          | 7/8            |
| 5TEM6D06, D07     | 57.40 | 23.50 | 21.50 | 21.75 | 7.01 | 9.66 | 30.71 | 6.76 | TXV          | 7/8            |







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