



## Ruud High Efficiency Air Handler

### RH1V/RH2V- Series

ECM Motor

Efficiencies up to 16 SEER



- Includes an energy efficient ECM® Motor, which in most applications, enhances the SEER rating of the outdoor unit. It also slowly ramps its speed up for quiet operation and enhanced customer satisfaction.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- Nominal airflow up to 1.0" external static pressure.
- Factory-installed indoor coil.
- Sturdy cabinet construction with 1.0 inch [25.4 mm] of foil faced insulation for excellent sound and insulating characteristics.
- Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet U.L. and cUL requirements for service disconnect.
- Dip switch settings for selectable, customized cooling airflow over a wide variety of applications.
- On-demand dehumidification terminal that adjusts airflow to help control humidity for unsurpassed comfort in cooling mode.
- External filter required.
- Evaporator coil is constructed of aluminum fins bonded to internally grooved aluminum tubing.

**TABLE OF CONTENTS**

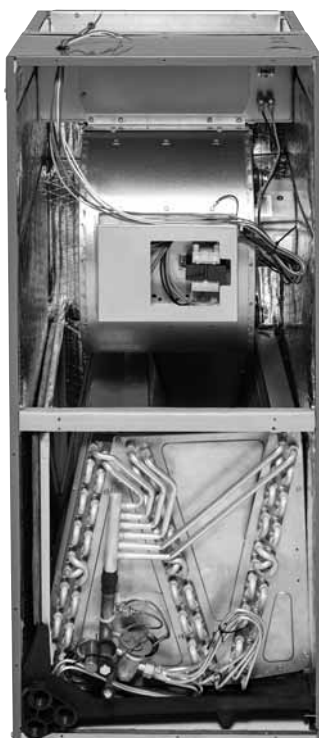
Engineering Features .....3  
Model Number Identification .....4  
Dimensional Data .....5-6  
Airflow Directional Data .....7  
Airflow Performance Data (-)H1V .....8-9  
Electrical Data (-)H1V .....10-12  
Airflow Performance Data (-)H2V .....13  
Electrical Data (-)H2V .....14-15  
Electrical Wiring .....16  
Limited Warranty .....17

## Engineering Features

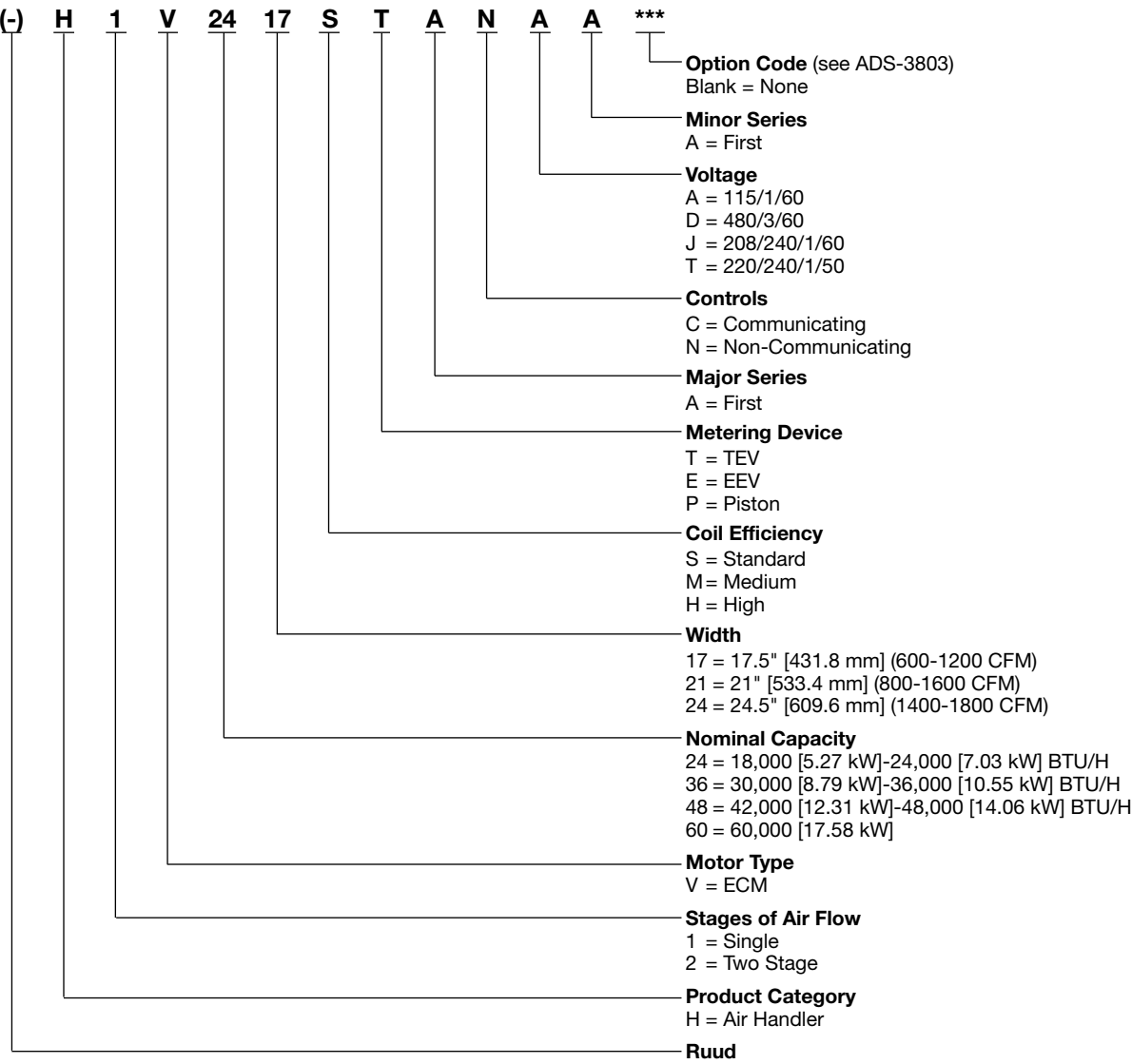
### RH1V/RH2V- Series

- Quiet, efficient ECM motor technology providing nominal airflow up to 1.0 inch [25 kPa] of external static pressure.
- Interface board with dip switches conveniently located in the blower compartment allows for precise, field selectable airflow to meet the requirements of particular applications.
- Selectable continuous fan “on” options.
- The most compact unit design available.
- Attractive pre-painted cabinet exterior.
- Rugged steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation mechanically retained in blower compartment.
- Four leg rubber insulated motor mount.
- Field-installed auxiliary heater kit includes circuit breakers that meet UL and cUL requirements as a service disconnect switch.
- Blower housing with integrated controls, motor and blower. Slide out design for service and maintenance convenience.
- Field convertible for vertical upflow, vertical downflow, horizontal left hand or right hand air supply.
- Combustible floor base accessory available when required for downflow installations on combustible floors.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size. All coils come with PVC condensate elbow standard.
- Coils are constructed of aluminum fins bonded to internally grooved aluminum tubing.
- Coils are tested at the factory with an extensive refrigerant leak check.
- Coils have copper sweat refrigerant connections.
- Coils utilize chatleff metering device connections.
- Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils.
- Supply duct flanges provided as standard on air handler cabinet.
- Provisions for field electrical connections available from either side or top of the air handler cabinet.
- Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1½ inch [38 mm] conduit.
- Front refrigerant and drain connections.

[ ] Designates Metric Conversions



Model Number Identification  
RH1V/RH2V Series



[ ] Designates Metric Conversions

| Available Models |
|------------------|
| RH1V2417STANJA   |
| RH1V3617STANJA   |
| RH1V3621MTANJA   |
| RH1V3621HTANJA   |
| RH1V4821STANJA   |
| RH1V4821MTANJA   |
| RH1V4824STANJA   |
| RH1V6021STANJA   |
| RH1V6024STANJA   |
| RH2V2421HTACJA   |
| RH2V3624HTACJA   |
| RH2V4824HTACJA   |
| RH2V6024HTACJA   |

Unit Dimensions

ELECTRICAL CONNECTIONS  
MAY EXIT TOP OR EITHER SIDE  
HIGH VOLTAGE CONNECTION 7/8" [22.2 mm],  
1 3/32" [27.8 mm], 1 1/32" [50 mm] DIA. KNOCKOUTS.

LOW VOLTAGE CONNECTION  
5/8" [15.9 mm] AND 7/8" [22.2 mm] KNOCKOUT

AUXILIARY DRAIN CONNECTION  
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)  
HORIZONTAL APPLICATION ONLY

PRIMARY DRAIN CONNECTION  
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)

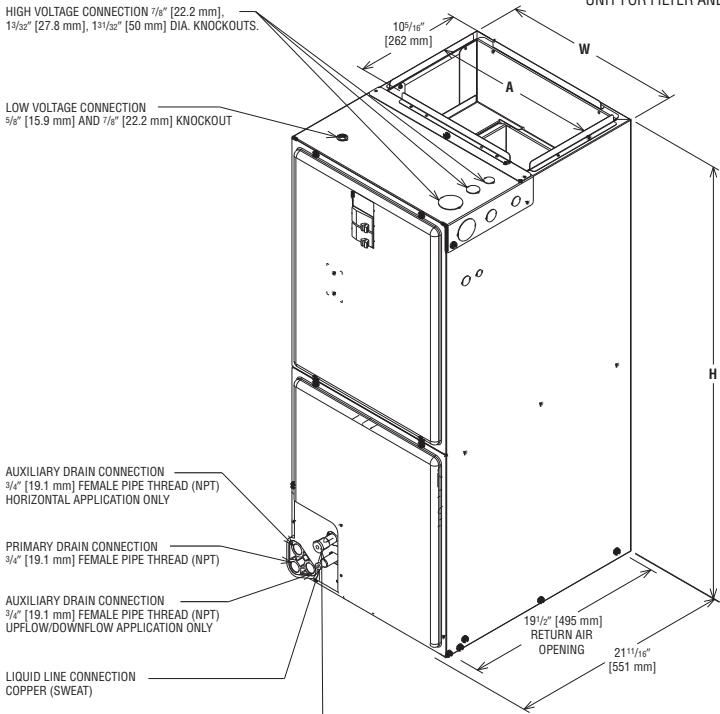
AUXILIARY DRAIN CONNECTION  
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)  
UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION  
COPPER (SWEAT)

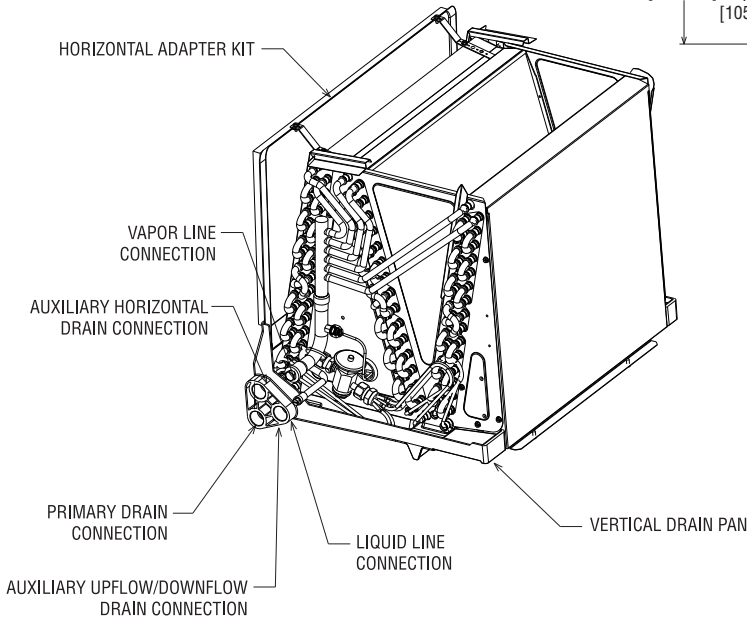
VAPOR LINE CONNECTION  
COPPER (SWEAT)

SUPPLY AIR

NOTE: 24" CLEARANCE REQUIRED IN FRONT OF  
UNIT FOR FILTER AND COIL MAINTENANCE.

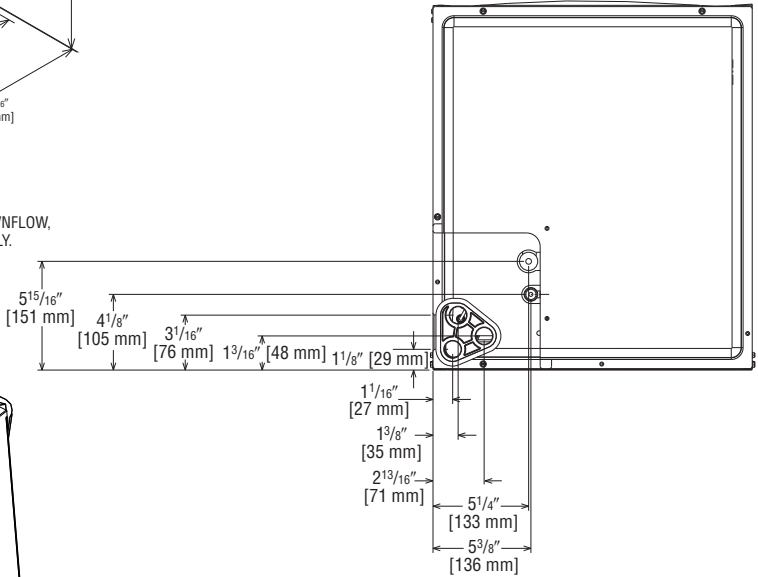


UPFLOW UNIT SHOWN:  
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,  
HORIZONTAL RIGHT OR LEFT AIR SUPPLY.



Return Air Opening Dimensions

| Model Cabinet Size | Return Air Opening Width (Inches) | Return Air Opening Depth/Length (Inches) |
|--------------------|-----------------------------------|------------------------------------------|
| 17                 | 15 7/8                            | 19 3/4                                   |
| 21                 | 19 3/8                            | 19 3/4                                   |
| 24                 | 22 7/8                            | 19 3/4                                   |



UPFLOW UNIT SHOWN:  
UNIT MAY BE INSTALLED UPFLOW,  
DOWNFLOW, HORIZONTAL RIGHT  
OR LEFT AIR SUPPLY.

[ ] Designates Metric Conversions  
( ) Designates Unit with Double Coil Cabinet

Unit Dimensions & Weights

| Model<br>Size<br>RH1V | Refrigerant Connections<br>Sweat (In.) [mm] ID |             | Unit<br>Width<br>“W” In. [mm] | Unit<br>Height<br>“H” In. [mm] | Supply<br>Duct<br>“A” In. [mm] | Air Flow<br>Coil (Nom.) [L/s] |            | Unit Weight/Shipping Weight<br>(Lbs.) [kg] |
|-----------------------|------------------------------------------------|-------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|------------|--------------------------------------------|
|                       | Liquid                                         | Vapor       |                               |                                |                                | Lo                            | Hi         | Unit With<br>Coil (Max. KW)                |
| 2417ST                | 3/8 [9.53]                                     | 3/4 [19.05] | 17 1/2 [445]                  | 42 1/2 [1080]                  | 16 [406]                       | 600 [283]                     | 800 [378]  | 82/96 [37/44]                              |
| 3617ST                | 3/8 [9.53]                                     | 3/4 [19.05] | 17 1/2 [445]                  | 42 1/2 [1080]                  | 16 [406]                       | 1000 [472]                    | 1200 [566] | 90/104 [41/47]                             |
| 3621HT                | 3/8 [9.53]                                     | 7/8 [22.23] | 21 [533]                      | 57 [1448]                      | 19 1/2 [495]                   | 1000 [472]                    | 1200 [566] | 135/147 [61/67]                            |
| 3621MT                | 3/8 [9.53]                                     | 7/8 [22.23] | 21 [533]                      | 50 1/2 [1282]                  | 19 1/2 [495]                   | 1000 [472]                    | 1200 [566] | 126/142 [57/64]                            |
| 4821MT                | 3/8 [9.53]                                     | 7/8 [22.23] | 21 [533]                      | 57 [1448]                      | 19 1/2 [495]                   | 1400 [661]                    | 1600 [755] | 141/153 [64/69]                            |
| 4821ST                | 3/8 [9.53]                                     | 7/8 [22.23] | 21 [533]                      | 50 1/2 [1282]                  | 19 1/2 [495]                   | 1400 [661]                    | 1600 [755] | 130/146 [59/66]                            |
| 4824ST                | 3/8 [9.53]                                     | 7/8 [22.23] | 24 1/2 [622]                  | 50 1/2 [1282]                  | 23 [584]                       | 1600 [755]                    | —          | 142/160 [64/72]                            |
| 6021ST                | 3/8 [9.53]                                     | 7/8 [22.23] | 21 [533]                      | 57 [1448]                      | 19 1/2 [495]                   | 1600 [755]                    | 1725 [814] | 136/148 [62/67]                            |
| 6024ST                | 3/8 [9.53]                                     | 7/8 [22.23] | 24 1/2 [622]                  | 55 1/2 [1410]                  | 23 [584]                       | —                             | 1800 [850] | 162/179 [73/81]                            |

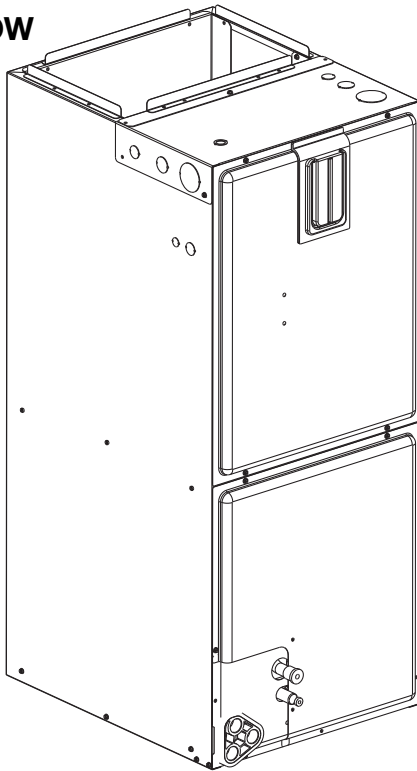
| Model<br>Size<br>RH2V | Refrigerant<br>Connections |             | Matched<br>to<br>Outdoor Unit | Unit<br>Width<br>“W” In.<br>[mm] | Unit<br>Height<br>“H” In.<br>[mm] | Supply<br>Duct<br>“A” In.<br>[mm] | Nominal Coil<br>Airflow [L/s] |            |            |            | Unit Weight/Shipping<br>Weight (Lbs.) [kg] |
|-----------------------|----------------------------|-------------|-------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|------------|------------|------------|--------------------------------------------|
|                       | Sweat (in.) [mm] ID        |             |                               |                                  |                                   |                                   | 1st Stage                     |            | 2nd Stage  |            |                                            |
|                       | Liquid                     | Vapor       |                               |                                  |                                   |                                   | ODD*                          | Normal     | ODD*       | Normal     | Unit With<br>Coil (Max. KW)                |
| 2421HT                | 3/8 [9.53]                 | 3/4 [19.05] | (-)ARL/(-)ASL-024JEC          | 21 [533]                         | 42 1/2 [1080]                     | 19 1/2 [495]                      | 500 [236]                     | 600 [283]  | 650 [307]  | 775 [366]  | 99/117 [45/51]                             |
| 3624HT                | 3/8 [9.53]                 | 7/8 [22.23] | (-)ASL-039JEC                 | 24 1/2 [622]                     | 55 1/2 [1410]                     | 23 [584]                          | 725 [342]                     | 825 [389]  | 975 [460]  | 1175 [555] | 129/146 [59/66]                            |
|                       |                            |             | (-)ARL/(-)ASL-0935JEC         |                                  |                                   |                                   | 825 [389]                     | 950 [448]  | 1000 [472] | 1175 [555] |                                            |
| 4824HT                | 3/8 [9.53]                 | 7/8 [22.23] | (-)ASL-048JEC                 | 24 1/2 [622]                     | 55 1/2 [1410]                     | 23 [584]                          | 825 [389]                     | 1000 [472] | 1300 [614] | 1600 [755] | 143/160 [65/72]                            |
|                       |                            |             | (-)ARL-048JEC                 |                                  |                                   |                                   | 1000 [472]                    | 1200 [566] | 1350 [637] | 1600 [755] |                                            |
| 6024HT                | 3/8 [9.53]                 | 7/8 [22.23] | (-)ASL-060JEC                 | 24 1/2 [622]                     | 55 1/2 [1410]                     | 23 [584]                          | 925 [437]                     | 1050 [496] | 1325 [625] | 1700 [802] | 159/176 [72/80]                            |
|                       |                            |             | (-)ARL-060JEC                 |                                  |                                   |                                   | 1025 [484]                    | 1275 [602] | 1400 [661] | 1700 [802] |                                            |

\*Maximum dehumidification airflow.

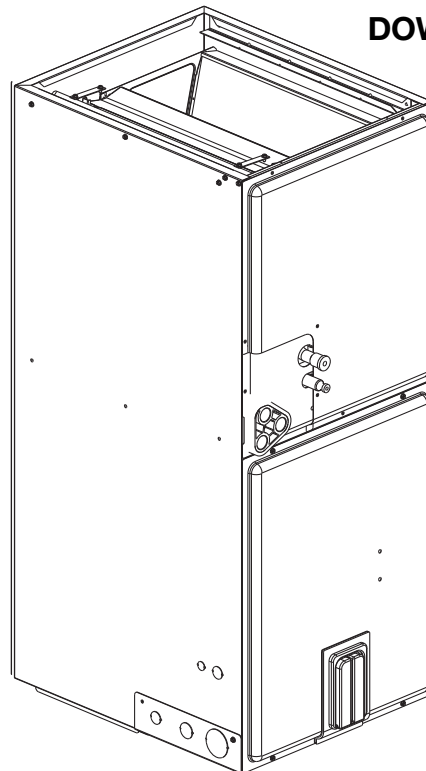
[ ] Designates Metric Conversions

## Airflow Directional Data

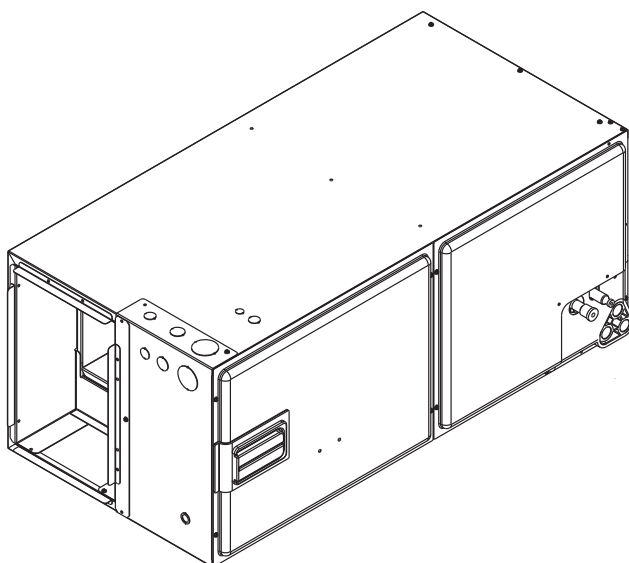
**UPFLOW**



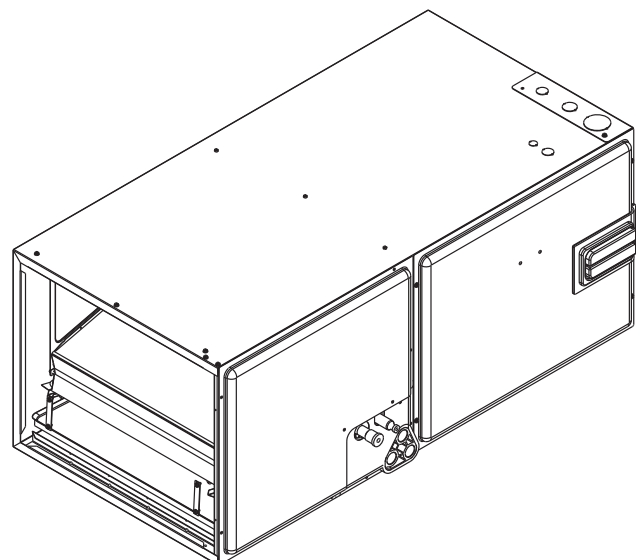
**DOWNFLOW**



**HORIZONTAL LEFT  
HAND AIRFLOW**



**HORIZONTAL RIGHT  
HAND AIRFLOW**



Airflow Performance

Airflow performance data is based on cooling performance with a coil and no filter in place. Select performance table for appropriate unit size, voltage and number of electric heaters to be used. Make sure external static applied to unit allows operation within the minimum and maximum limits shown in table

below for both cooling and electric heat operation. For optimum blower performance, operate the unit in the .3 [8 mm] to .7 inches [18 mm] W.C. external static range. Units with coils should be applied with a minimum of .1 inch [3 mm] W.C. external static range.

Airflow Performance and Electrical Data RH1V

| Model No.<br>RH1V               | Nominal Cooling Capacity<br>Tons | Motor Speed From<br>Factory | Nominal Air-Flow<br>CFM | Blower Size/<br>Motor HP [W] |           | CFM Air Delivery/RPM/Watts—230 Volts (No Filter) |            |            |            |            |            |            |            |            |            |
|---------------------------------|----------------------------------|-----------------------------|-------------------------|------------------------------|-----------|--------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                 |                                  |                             |                         |                              |           | External Static Pressure—Inches W.C. [kPa]       |            |            |            |            |            |            |            |            |            |
|                                 |                                  |                             |                         |                              |           | 0.1 [.02]                                        | 0.2 [.05]  | 0.3 [.07]  | 0.4 [.10]  | 0.5 [.12]  | 0.6 [.15]  | 0.7 [.17]  | 0.8 [.20]  | 0.9 [.22]  | 1.0 [.24]  |
| 2417ST<br>No Heater             | 1.5 Ton                          | High                        | 600*                    | 10x8<br>1/3 [249]<br>5 Speed | CFM [L/s] | 597 [282]                                        | 608 [287]  | 607 [286]  | 616 [291]  | 616 [291]  | 618 [292]  | 613 [289]  | 608 [287]  | 600 [283]  | 594 [280]  |
|                                 |                                  |                             |                         |                              | RPM       | 522                                              | 609        | 673        | 757        | 815        | 869        | 938        | 995        | 1051       | 1097       |
|                                 |                                  |                             |                         |                              | Watts     | 57                                               | 74         | 89         | 115        | 130        | 144        | 169        | 190        | 212        | 232        |
| 2417ST<br>with<br>13 kW<br>Heat | 1.5 Ton                          | High                        | 600*                    | 10x8<br>1/3 [249]<br>5 Speed | CFM [L/s] | 588 [278]                                        | 598 [282]  | 596 [281]  | 605 [286]  | 603 [285]  | 605 [286]  | 600 [283]  | 595 [281]  | 587 [277]  | 577 [272]  |
|                                 |                                  |                             |                         |                              | RPM       | 536                                              | 608        | 723        | 805        | 864        | 919        | 989        | 1047       | 1104       | 1149       |
|                                 |                                  |                             |                         |                              | Watts     | 65                                               | 85         | 100        | 129        | 145        | 160        | 186        | 209        | 233        | 254        |
| 2417ST<br>No Heat               | 2.0 Ton                          | High                        | 800                     | 10x8<br>1/3 [249]<br>5 Speed | CFM [L/s] | 787 [371]                                        | 805 [380]  | 815 [385]  | 819 [387]  | 810 [382]  | 807 [381]  | 811 [383]  | 810 [382]  | 809 [382]  | 805 [380]  |
|                                 |                                  |                             |                         |                              | RPM       | 614                                              | 682        | 763        | 818        | 868        | 917        | 972        | 1017       | 1070       | 1112       |
|                                 |                                  |                             |                         |                              | Watts     | 97                                               | 113        | 144        | 167        | 191        | 209        | 239        | 259        | 289        | 311        |
| 2417ST<br>with<br>13 kW<br>Heat | 2.0 Ton                          | High                        | 800                     | 10x8<br>1/3 [249]<br>5 Speed | CFM [L/s] | 775 [366]                                        | 793 [374]  | 803 [379]  | 807 [381]  | 798 [377]  | 795 [375]  | 799 [377]  | 798 [377]  | 797 [376]  | 793 [374]  |
|                                 |                                  |                             |                         |                              | RPM       | 630                                              | 700        | 783        | 839        | 891        | 941        | 997        | 1044       | 1098       | 1141       |
|                                 |                                  |                             |                         |                              | Watts     | 111                                              | 130        | 165        | 192        | 219        | 240        | 275        | 298        | 332        | 357        |
| 3617ST<br>No Heat               | 2.5 Ton                          | High                        | 1000*                   | 10x8<br>1/2 [373]            | CFM [L/s] | 1001 [472]                                       | 1030 [486] | 1030 [486] | 1035 [488] | 1035 [488] | 1029 [486] | 1029 [486] | 1029 [486] | 1029 [486] | 1023 [483] |
|                                 |                                  |                             |                         |                              | RPM       | 652                                              | 752        | 812        | 845        | 923        | 945        | 1007       | 1065       | 1090       | 1118       |
|                                 |                                  |                             |                         |                              | Watts     | 134                                              | 166        | 193        | 212        | 244        | 266        | 280        | 320        | 341        | 357        |
| 3617ST<br>with<br>18 kW<br>Heat | 2.5 Ton                          | High                        | 1000*                   | 10x8<br>1/2 [373]            | CFM [L/s] | 980 [463]                                        | 1009 [476] | 1009 [476] | 1014 [479] | 1014 [479] | 1008 [476] | 1008 [476] | 1008 [476] | 1008 [476] | 1002 [473] |
|                                 |                                  |                             |                         |                              | RPM       | 714                                              | 814        | 874        | 907        | 985        | 1007       | 1069       | 1127       | 1152       | 1180       |
|                                 |                                  |                             |                         |                              | Watts     | 176                                              | 208        | 235        | 254        | 286        | 308        | 322        | 362        | 383        | 399        |
| 3617ST<br>No Heat               | 3.0 Ton                          | High                        | 1200                    | 10x8<br>1/2 [373]            | CFM [L/s] | 1220 [576]                                       | 1229 [580] | 1229 [580] | 1229 [580] | 1229 [580] | 1229 [580] | 1238 [584] | 1238 [584] | 1233 [582] | 1228 [580] |
|                                 |                                  |                             |                         |                              | RPM       | 732                                              | 831        | 875        | 930        | 981        | 1005       | 1077       | 1108       | 1156       | 1194       |
|                                 |                                  |                             |                         |                              | Watts     | 215                                              | 253        | 282        | 314        | 348        | 362        | 409        | 426        | 472        | 496        |
| 3617ST<br>with<br>18 kW<br>Heat | 3.0 Ton                          | High                        | 1200                    | 10x8<br>1/2 [373]            | CFM [L/s] | 1199 [566]                                       | 1208 [570] | 1208 [570] | 1208 [570] | 1208 [570] | 1208 [570] | 1217 [574] | 1217 [574] | 1212 [572] | 1207 [570] |
|                                 |                                  |                             |                         |                              | RPM       | 794                                              | 893        | 937        | 992        | 1043       | 1067       | 1139       | 1170       | 1218       | 1256       |
|                                 |                                  |                             |                         |                              | Watts     | 257                                              | 295        | 324        | 356        | 390        | 404        | 451        | 468        | 514        | 538        |
| 3621HT<br>No Heat               | 2.5 Ton                          | High                        | 1000                    | 10x10<br>3/4 [559]           | CFM [L/s] | 1001 [472]                                       | 1001 [472] | 1011 [477] | 1009 [476] | 1005 [474] | 1000 [472] | 996 [470]  | 994 [496]  | 970 [458]  | 967 [456]  |
|                                 |                                  |                             |                         |                              | RPM       | 620                                              | 694        | 767        | 830        | 888        | 941        | 1004       | 1048       | 1128       | 1179       |
|                                 |                                  |                             |                         |                              | Watts     | 128                                              | 122        | 195        | 217        | 229        | 270        | 289        | 302        | 380        | 388        |
| 3621HT<br>No Heat               | 3.0 Ton                          | High                        | 1200                    | 10x10<br>3/4 [559]           | CFM [L/s] | 1175 [555]                                       | 1200 [566] | 1203 [568] | 1200 [566] | 1200 [566] | 1199 [566] | 1202 [567] | 1200 [566] | 1197 [565] | 1180 [557] |
|                                 |                                  |                             |                         |                              | RPM       | 664                                              | 740        | 805        | 868        | 926        | 982        | 1031       | 1087       | 1138       | 1196       |
|                                 |                                  |                             |                         |                              | Watts     | 163                                              | 191        | 226        | 239        | 261        | 292        | 322        | 373        | 420        | 472        |
| 3621MT<br>No Heat               | 2.5 Ton                          | High                        | 1000                    | 10x10<br>3/4 [559]           | CFM [L/s] | 1000 [472]                                       | 1001 [472] | 1011 [477] | 1009 [476] | 1005 [474] | 1000 [472] | 996 [470]  | 994 [496]  | 970 [458]  | 967 [456]  |
|                                 |                                  |                             |                         |                              | RPM       | 593                                              | 650        | 737        | 801        | 867        | 914        | 980        | 1026       | 1058       | 1099       |
|                                 |                                  |                             |                         |                              | Watts     | 103                                              | 124        | 155        | 177        | 207        | 224        | 258        | 287        | 301        | 323        |
| 3621MT<br>with<br>15 kW<br>Heat | 2.5 Ton                          | High                        | 1000                    | 10x10<br>3/4 [559]           | CFM [L/s] | 984 [464]                                        | 979 [462]  | 984 [464]  | 976 [461]  | 967 [456]  | 956 [451]  | 947 [447]  | 939 [443]  | 910 [429]  | 901 [425]  |
|                                 |                                  |                             |                         |                              | RPM       | 627                                              | 689        | 780        | 849        | 919        | 971        | 1041       | 1092       | 1128       | 1174       |
|                                 |                                  |                             |                         |                              | Watts     | 124                                              | 151        | 187        | 215        | 250        | 273        | 312        | 347        | 366        | 394        |
| 3621MT<br>No Heat               | 3.0 Ton                          | High                        | 1200                    | 10x10<br>3/4 [559]           | CFM [L/s] | 1175 [555]                                       | 1200 [566] | 1203 [568] | 1200 [566] | 1200 [566] | 1199 [566] | 1202 [567] | 1200 [566] | 1197 [565] | 1180 [557] |
|                                 |                                  |                             |                         |                              | RPM       | 646                                              | 740        | 783        | 851        | 911        | 958        | 1013       | 1056       | 1102       | 1144       |
|                                 |                                  |                             |                         |                              | Watts     | 147                                              | 186        | 207        | 240        | 270        | 296        | 334        | 356        | 385        | 416        |
| 3621MT<br>with<br>18 kW<br>Heat | 3.0 Ton                          | High                        | 1200                    | 10x10<br>3/4 [559]           | CFM [L/s] | 1159 [546]                                       | 1178 [556] | 1176 [555] | 1167 [551] | 1162 [548] | 1155 [545] | 1153 [544] | 1145 [540] | 1137 [537] | 1114 [526] |
|                                 |                                  |                             |                         |                              | RPM       | 680                                              | 779        | 826        | 899        | 963        | 1015       | 1074       | 1122       | 1172       | 1219       |
|                                 |                                  |                             |                         |                              | Watts     | 168                                              | 213        | 239        | 278        | 313        | 345        | 388        | 416        | 450        | 487        |

WARNING: Observe airflow operating limits. Do not operate above 1.0 in. W.C. system external static.  
\*The airflow for continuous fan is set at 50% of the cooling airflow.

[ ] Designates Metric Conversions



## Airflow Performance and Electrical Data (Cont.) RH1V

| Model No.<br>RH1V               | Nominal Cooling Capacity<br>Tons | Motor Speed From Factory | Nominal Air-Flow CFM | Blower Size/ Motor HP [W] |           | CFM Air Delivery/RPM/Watts—230 Volts (No Filter) |            |            |            |            |            |            |            |            |            |
|---------------------------------|----------------------------------|--------------------------|----------------------|---------------------------|-----------|--------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                 |                                  |                          |                      |                           |           | External Static Pressure—Inches W.C. [kPa]       |            |            |            |            |            |            |            |            |            |
|                                 |                                  |                          |                      |                           |           | 0.1 [.02]                                        | 0.2 [.05]  | 0.3 [.07]  | 0.4 [.10]  | 0.5 [.12]  | 0.6 [.15]  | 0.7 [.17]  | 0.8 [.20]  | 0.9 [.22]  | 1.0 [.24]  |
| 4821MT<br>No Heat               | 3.5 Ton                          | High                     | 1400                 | 10x10<br>3/4 [559]        | CFM [L/s] | 1393 [643]                                       | 1405 [663] | 1410 [665] | 1419 [670] | 1422 [671] | 1422 [671] | 1419 [670] | 1416 [668] | 1407 [664] | 1406 [664] |
|                                 |                                  |                          |                      |                           | RPM       | 769                                              | 830        | 886        | 958        | 1014       | 1069       | 1118       | 1152       | 1204       | 1232       |
|                                 |                                  |                          |                      |                           | Watts     | 247                                              | 266        | 296        | 347        | 369        | 408        | 463        | 492        | 521        | 552        |
| 4821MT<br>No Heat               | 4 Ton                            | High                     | 1600                 | 10x10<br>3/4 [559]        | CFM [L/s] | 1590 [750]                                       | 1605 [757] | 1610 [760] | 1625 [772] | 1628 [768] | 1628 [768] | 1623 [766] | 1620 [765] | 1613 [761] | 1599 [755] |
|                                 |                                  |                          |                      |                           | RPM       | 852                                              | 917        | 962        | 1034       | 1081       | 1132       | 1178       | 1220       | 1258       | 1292       |
|                                 |                                  |                          |                      |                           | Watts     | 350                                              | 382        | 385        | 419        | 501        | 537        | 584        | 599        | 647        | 689        |
| 4821ST<br>No Heat               | 3.5 Ton                          | High                     | 1400*                | 10x10<br>3/4 [559]        | CFM [L/s] | 1395 [658]                                       | 1404 [663] | 1413 [667] | 1413 [667] | 1411 [666] | 1411 [666] | 1402 [662] | 1391 [656] | 1380 [651] | 1371 [647] |
|                                 |                                  |                          |                      |                           | RPM       | 731                                              | 807        | 859        | 910        | 968        | 1016       | 1057       | 1100       | 1128       | 1158       |
|                                 |                                  |                          |                      |                           | Watts     | 240                                              | 273        | 308        | 349        | 383        | 411        | 436        | 468        | 496        | 513        |
| 4821ST<br>with<br>20 kW<br>Heat | 3.5 Ton                          | High                     | 1400*                | 10x10<br>3/4 [559]        | CFM [L/s] | 1379 [651]                                       | 1382 [652] | 1386 [654] | 1380 [651] | 1373 [648] | 1367 [645] | 1353 [638] | 1336 [631] | 1320 [622] | 1305 [616] |
|                                 |                                  |                          |                      |                           | RPM       | 765                                              | 846        | 902        | 958        | 1020       | 1073       | 1118       | 1166       | 1198       | 1233       |
|                                 |                                  |                          |                      |                           | Watts     | 261                                              | 300        | 340        | 387        | 426        | 460        | 490        | 528        | 561        | 584        |
| 4821ST<br>No Heat               | 4.0 Ton                          | High                     | 1600                 | 10x10<br>3/4 [559]        | CFM [L/s] | 1583 [747]                                       | 1583 [747] | 1583 [747] | 1590 [750] | 1582 [747] | 1566 [739] | 1572 [742] | 1556 [734] | 1547 [730] | 1539 [726] |
|                                 |                                  |                          |                      |                           | RPM       | 826                                              | 879        | 933        | 984        | 1025       | 1067       | 1119       | 1148       | 1176       | 1219       |
|                                 |                                  |                          |                      |                           | Watts     | 342                                              | 375        | 410        | 454        | 486        | 523        | 552        | 585        | 614        | 616        |
| 4821ST<br>with<br>25 kW<br>Heat | 4.0 Ton                          | High                     | 1600                 | 10x10<br>3/4 [559]        | CFM [L/s] | 1567 [740]                                       | 1559 [736] | 1551 [732] | 1550 [732] | 1534 [724] | 1511 [713] | 1509 [712] | 1485 [700] | 1468 [692] | 1452 [685] |
|                                 |                                  |                          |                      |                           | RPM       | 860                                              | 919        | 978        | 1035       | 1082       | 1129       | 1187       | 1222       | 1255       | 1304       |
|                                 |                                  |                          |                      |                           | Watts     | 363                                              | 403        | 444        | 495        | 534        | 577        | 613        | 653        | 688        | 697        |
| 4824ST<br>No Heat               | 4.0 Ton                          | High                     | 1600*                | 11x11<br>3/4 [559]        | CFM [L/s] | 1607 [758]                                       | 1615 [762] | 1622 [765] | 1630 [769] | 1637 [773] | 1629 [769] | 1621 [765] | 1614 [762] | 1606 [758] | 1583 [747] |
|                                 |                                  |                          |                      |                           | RPM       | 612                                              | 698        | 747        | 788        | 835        | 870        | 914        | 950        | 981        | 1018       |
|                                 |                                  |                          |                      |                           | Watts     | 225                                              | 297        | 334        | 359        | 410        | 439        | 469        | 502        | 532        | 568        |
| 4824ST<br>with<br>25 kW<br>Heat | 4.0 Ton                          | High                     | 1600*                | 11x11<br>3/4 [559]        | CFM [L/s] | 1587 [749]                                       | 1589 [750] | 1589 [750] | 1591 [751] | 1591 [751] | 1577 [744] | 1562 [737] | 1549 [731] | 1534 [724] | 1505 [710] |
|                                 |                                  |                          |                      |                           | RPM       | 658                                              | 748        | 802        | 847        | 899        | 938        | 987        | 1027       | 1062       | 1104       |
|                                 |                                  |                          |                      |                           | Watts     | 246                                              | 325        | 369        | 401        | 459        | 495        | 532        | 572        | 609        | 652        |
| 6021ST<br>No Heat               | 4.0 &<br>5.0 Ton                 | High                     | 1600                 | 10x10<br>3/4 [559]        | CFM [L/s] | 1574 [742]                                       | 1585 [748] | 1591 [751] | 1603 [757] | 1607 [758] | 1606 [758] | 1597 [754] | 1590 [750] | 1581 [746] | 1571 [741] |
|                                 |                                  |                          |                      |                           | RPM       | 849                                              | 905        | 948        | 1023       | 1071       | 1109       | 1160       | 1201       | 1226       | 1267       |
|                                 |                                  |                          |                      |                           | Watts     | 325                                              | 342        | 387        | 418        | 466        | 507        | 552        | 610        | 628        | 657        |
| 6021ST<br>No Heat               | 5.0 Ton                          | High                     | 1700                 | 10x10<br>3/4 [559]        | CFM [L/s] | 1669 [788]                                       | 1680 [793] | 1686 [796] | 1702 [803] | 1703 [804] | 1699 [802] | 1687 [796] | 1686 [796] | 1677 [796] | 1666 [786] |
|                                 |                                  |                          |                      |                           | RPM       | 882                                              | 946        | 995        | 1059       | 1107       | 1152       | 1181       | 1230       | 1249       | 1294       |
|                                 |                                  |                          |                      |                           | Watts     | 379                                              | 394        | 442        | 485        | 541        | 598        | 610        | 659        | 679        | 723        |
| 6024ST<br>No Heat               | 4.0 &<br>5.0 Ton                 | High                     | 1600*                | 11x11<br>3/4 [559]        | CFM [L/s] | 1607 [758]                                       | 1615 [762] | 1622 [765] | 1630 [769] | 1637 [773] | 1629 [769] | 1621 [765] | 1614 [762] | 1606 [758] | 1583 [747] |
|                                 |                                  |                          |                      |                           | RPM       | 612                                              | 698        | 747        | 788        | 835        | 870        | 914        | 950        | 981        | 1018       |
|                                 |                                  |                          |                      |                           | Watts     | 225                                              | 297        | 334        | 359        | 410        | 439        | 469        | 502        | 532        | 568        |
| 6024ST<br>with<br>25 kW<br>Heat | 4.0 &<br>5.0 Ton                 | High                     | 1600*                | 11x11<br>3/4 [559]        | CFM [L/s] | 1587 [749]                                       | 1589 [750] | 1589 [750] | 1591 [751] | 1591 [751] | 1577 [744] | 1562 [737] | 1549 [731] | 1534 [724] | 1505 [710] |
|                                 |                                  |                          |                      |                           | RPM       | 658                                              | 748        | 802        | 847        | 899        | 938        | 987        | 1027       | 1063       | 1104       |
|                                 |                                  |                          |                      |                           | Watts     | 246                                              | 325        | 369        | 401        | 459        | 495        | 532        | 572        | 609        | 652        |
| 6024ST<br>No Heat               | 5.0 Ton                          | High                     | 1800                 | 11x11<br>3/4 [559]        | CFM [L/s] | 1794 [847]                                       | 1808 [853] | 1808 [853] | 1808 [853] | 1807 [853] | 1807 [853] | 1807 [853] | 1800 [850] | 1786 [843] | 1772 [836] |
|                                 |                                  |                          |                      |                           | RPM       | 676                                              | 739        | 787        | 840        | 871        | 923        | 950        | 994        | 1028       | 1050       |
|                                 |                                  |                          |                      |                           | Watts     | 330                                              | 376        | 416        | 465        | 504        | 554        | 576        | 624        | 662        | 694        |
| 6024ST<br>with<br>30 kW<br>Heat | 5.0 Ton                          | High                     | 1800                 | 11x11<br>3/4 [559]        | CFM [L/s] | 1756 [829]                                       | 1770 [835] | 1770 [835] | 1769 [835] | 1769 [835] | 1769 [835] | 1769 [835] | 1762 [832] | 1748 [825] | 1734 [818] |
|                                 |                                  |                          |                      |                           | RPM       | 713                                              | 778        | 828        | 884        | 917        | 971        | 1000       | 1047       | 1083       | 1107       |
|                                 |                                  |                          |                      |                           | Watts     | 361                                              | 410        | 453        | 505        | 547        | 600        | 625        | 676        | 717        | 752        |

**WARNING:** Observe airflow operating limits. Do not operate above 1.0 in. W.C. system external static.

\*The airflow for continuous fan is set at 50% of the cooling airflow.

## Blower Motor Electrical Data RH1V

| Model No.<br>RH1V             | Voltage | Phase | Hertz | HP [W]    | RPM      | Speeds | Circuit Amps. | Minimum Circuit Ampacity | Maximum Circuit Protector |
|-------------------------------|---------|-------|-------|-----------|----------|--------|---------------|--------------------------|---------------------------|
| 2417ST                        | 208/240 | 1     | 60    | 1/3 [249] | 300-1100 | 2      | 2.2           | 3.0                      | 15                        |
| 3621H/3617ST                  | 208/240 | 1     | 60    | 1/2 [373] | 300-1100 | 2      | 3.1           | 4.0                      | 15                        |
| 4821M/6021S/<br>3621MT/4821ST | 208/240 | 1     | 60    | 3/4 [559] | 300-1100 | 2      | 4.0           | 5.0                      | 15                        |
| 6024ST                        | 206/240 | 1     | 60    | 3/4 [559] | 300-1100 | 2      | 4.4           | 6.0                      | 15                        |

[ ] Designates Metric Conversions

## Electrical Data – With Electric Heat RH1V

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model RH1V                                   | Heater Model No. | Heater kW (208/240V) | PH/HZ | No. Elements kW Per | Type Supply Circuit<br>Single Circuit<br>Multiple Circuit | Circuit Amps. | Motor Ampacity | Minimum Circuit Ampacity | Maximum Circuit Protector |
|----------------------------------------------------------|------------------|----------------------|-------|---------------------|-----------------------------------------------------------|---------------|----------------|--------------------------|---------------------------|
| 2417STAN                                                 | RXBH-17203J      | 2.2/3                | 1/60  | 1 - 3               | SINGLE                                                    | 10.8/12.5     | 2.8            | 18/20                    | 20/20                     |
|                                                          | RXBH-172405J     | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                                    | 17.3/20       | 2.8            | 26/29                    | 30/30                     |
|                                                          | RXBH-172407J     | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                                    | 26/30         | 2.8            | 36/41                    | 40/45                     |
|                                                          | RXBH-172410J     | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                                    | 34.6/40       | 2.8            | 47/54                    | 50/60                     |
|                                                          | RXBH-1724A10C    | 7.2/9.6              | 3/60  | 3 - 3.2             | SINGLE                                                    | 20/23.1       | 2.8            | 29/33                    | 30/35                     |
|                                                          | RXBH-1724A13J    | 9.4/12.5             | 1/60  | 3 - 4.17            | SINGLE                                                    | 45.1/52.1     | 2.8            | 60/69                    | 60/70                     |
|                                                          | RXBH-1724A13J    | 3.1/4.2              | 1/60  | 1 - 4.17            | MULTIPLE CKT 1                                            | 15/17.4       | 2.8            | 23/26                    | 25/30                     |
|                                                          | RXBH-1724A13J    | 6.3/8.3              | 1/60  | 2 - 4.17            | MULTIPLE CKT 2                                            | 30.1/34.7     | 0              | 38/44                    | 40/45                     |
| 3617STAN                                                 | RXBH-17203J      | 2.2/3                | 1/60  | 1 - 3               | SINGLE                                                    | 10.8/12.5     | 4.3            | 19/21                    | 20/25                     |
|                                                          | RXBH-172405J     | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                                    | 17.3/20       | 4.3            | 27/31                    | 30/35                     |
|                                                          | RXBH-172407J     | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                                    | 26/30         | 4.3            | 38/43                    | 40/45                     |
|                                                          | RXBH-172410J     | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                                    | 34.6/40       | 4.3            | 49/56                    | 50/60                     |
|                                                          | RXBH-1724A10C    | 7.2/9.6              | 3/60  | 3 - 3.2             | SINGLE                                                    | 20/23.1       | 4.3            | 31/35                    | 35/35                     |
|                                                          | RXBH-1724A13J    | 9.4/12.5             | 1/60  | 3 - 4.17            | SINGLE                                                    | 45.1/52.1     | 4.3            | 62/71                    | 70/80                     |
|                                                          | RXBH-1724A13J    | 3.1/4.2              | 1/60  | 1 - 4.17            | MULTIPLE CKT 1                                            | 15/17.4       | 4.3            | 25/28                    | 25/30                     |
|                                                          | RXBH-1724A13J    | 6.3/8.3              | 1/60  | 2 - 4.17            | MULTIPLE CKT 2                                            | 30.1/34.7     | 0              | 38/44                    | 40/45                     |
|                                                          | RXBH-1724A15C    | 10.8/14.4            | 3/60  | 3 - 4.8             | SINGLE                                                    | 30/34.6       | 4.3            | 43/49                    | 45/50                     |
|                                                          | RXBH-1724A15J    | 10.8/14.4            | 1/60  | 3 - 4.8             | SINGLE                                                    | 51.9/60       | 4.3            | 71/81                    | 80/90                     |
|                                                          | RXBH-1724A15J    | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                                            | 17.3/20       | 4.3            | 28/31                    | 30/35                     |
|                                                          | RXBH-1724A15J    | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                                                          | RXBH-1724A18J    | 12.8/17              | 1/60  | 3 - 5.67            | SINGLE                                                    | 61.6/70.8     | 4.3            | 83/94                    | 90/100                    |
|                                                          | RXBH-1724A18J    | 4.3/5.7              | 1/60  | 1 - 5.67            | MULTIPLE CKT 1                                            | 20.5/23.6     | 4.3            | 32/35                    | 35/35                     |
|                                                          | RXBH-1724A18J    | 8.5/11.3             | 1/60  | 2 - 5.67            | MULTIPLE CKT 2                                            | 41.1/47.2     | 0              | 52/60                    | 60/60                     |
| 3621HTAN<br>3621MTAN<br>4821MTAN<br>4821STAN<br>6021STAN | RXBH-172405J     | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                                    | 17.3/20       | 4.3            | 27/31                    | 30/35                     |
|                                                          | RXBH-172407J     | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                                    | 26/30         | 4.3            | 38/43                    | 40/45                     |
|                                                          | RXBH-172410J     | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                                    | 34.6/40       | 4.3            | 49/56                    | 50/60                     |
|                                                          | RXBH-1724A10C    | 7.2/9.6              | 3/60  | 3 - 3.2             | SINGLE                                                    | 20/23.1       | 4.3            | 31/35                    | 35/35                     |
|                                                          | RXBH-1724A15C    | 10.8/14.4            | 3/60  | 3 - 4.8             | SINGLE                                                    | 30/34.6       | 4.3            | 43/49                    | 45/50                     |
|                                                          | RXBH-1724A15J    | 10.8/14.4            | 1/60  | 3 - 4.8             | SINGLE                                                    | 51.9/60       | 4.3            | 71/81                    | 80/90                     |
|                                                          | RXBH-1724A15J    | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                                            | 17.3/20       | 4.3            | 28/31                    | 30/35                     |
|                                                          | RXBH-1724A15J    | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                                                          | RXBH-1724A18J    | 12.8/17              | 1/60  | 3 - 5.67            | SINGLE                                                    | 61.6/70.8     | 4.3            | 83/94                    | 90/100                    |
|                                                          | RXBH-1724A18J    | 4.3/5.7              | 1/60  | 1 - 5.67            | MULTIPLE CKT 1                                            | 20.5/23.6     | 4.3            | 32/35                    | 35/35                     |
|                                                          | RXBH-1724A18J    | 8.5/11.3             | 1/60  | 2 - 5.67            | MULTIPLE CKT 2                                            | 41.1/47.2     | 0              | 52/60                    | 60/60                     |
|                                                          | RXBH-24A20C      | 14.4/19.2            | 3/60  | 6 - 3.2             | SINGLE                                                    | 40/46.2       | 4.3            | 56/64                    | 60/70                     |
|                                                          | RXBH-24A20C      | 7.2/9.6              | 3/60  | 3 - 3.2             | MULTIPLE CKT 1                                            | 20/23.1       | 4.3            | 31/35                    | 35/35                     |
|                                                          | RXBH-24A20C      | 7.2/9.6              | 3/60  | 3 - 3.2             | MULTIPLE CKT 2                                            | 20/23.1       | 0              | 25/29                    | 25/30                     |

- Supply circuit protective devices may be fuses or "HACR" type circuit breakers.
- Largest motor load is included in single circuit and multiple circuit 1.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- J Voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3-phase power to the air handler terminal block without the heater, bring only two leads to the terminal block cap, insulate and fully secure the third lead.

[ ] Designates Metric Conversions

**Electrical Data – With Electric Heat RH1V (Cont.)**

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model RH1V                       | Heater Model No. | Heater kW (208/240V) | PH/HZ | No. Elements kW Per | Type Supply Circuit<br>Single Circuit<br>Multiple Circuit | Circuit Amps. | Motor Ampacity | Minimum Circuit Ampacity | Maximum Circuit Protector |
|----------------------------------------------|------------------|----------------------|-------|---------------------|-----------------------------------------------------------|---------------|----------------|--------------------------|---------------------------|
| 3621HTAN<br>3621MTAN<br>4821MTAN<br>4821STAN | RXBH-24A20J      | 14.4/19.2            | 1/60  | 4 - 4.8             | SINGLE                                                    | 69.2/80       | 4.3            | 92/106                   | 100/110                   |
|                                              | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                                            | 34.6/40       | 4.3            | 49/56                    | 50/60                     |
|                                              | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                                              | RXBH-24A25C      | 18/24                | 3/60  | 6 - 4               | SINGLE                                                    | 50/57.8       | 4.3            | 68/78                    | 70/80                     |
|                                              | RXBH-24A25C      | 9/12                 | 3/60  | 3 - 4               | MULTIPLE CKT 1                                            | 25/28.9       | 4.3            | 37/42                    | 40/45                     |
|                                              | RXBH-24A25C      | 9/12                 | 3/60  | 3 - 4               | MULTIPLE CKT 2                                            | 25/28.9       | 0              | 32/37                    | 35/40                     |
|                                              | RXBH-24A25J      | 18/24                | 1/60  | 6 - 4               | SINGLE                                                    | 86.4/99.9     | 4.3            | 114/131                  | 125/150                   |
|                                              | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 1                                            | 28.8/33.3     | 4.3            | 42/47                    | 45/50                     |
|                                              | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 2                                            | 28.8/33.3     | 0              | 37/42                    | 40/45                     |
|                                              | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 3                                            | 28.8/33.3     | 0              | 37/42                    | 40/45                     |
| 4824STAN                                     | RXBH-1724?05J    | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                                    | 17.3/20       | 6.8            | 31/34                    | 35/35                     |
|                                              | RXBH-1724?07J    | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                                    | 26/30         | 6.8            | 41/46                    | 45/50                     |
|                                              | RXBH-1724?10J    | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                                    | 34.6/40       | 6.8            | 52/59                    | 60/60                     |
|                                              | RXBH-1724A10C    | 7.2/9.6              | 3/60  | 3 - 3.2             | SINGLE                                                    | 20/23.1       | 6.8            | 34/38                    | 35/40                     |
|                                              | RXBH-1724A15C    | 10.8/14.4            | 3/60  | 3 - 4.8             | SINGLE                                                    | 30/34.6       | 6.8            | 46/52                    | 50/60                     |
|                                              | RXBH-1724A15J    | 10.8/14.4            | 1/60  | 3 - 4.8             | SINGLE                                                    | 51.9/60       | 6.8            | 74/84                    | 80/90                     |
|                                              | RXBH-1724A15J    | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                                            | 17.3/20       | 6.8            | 31/34                    | 35/35                     |
|                                              | RXBH-1724A15J    | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                                              | RXBH-1724A18J    | 12.8/17              | 1/60  | 3 - 5.67            | SINGLE                                                    | 61.6/70.8     | 6.8            | 86/98                    | 90/100                    |
|                                              | RXBH-1724A18J    | 4.3/5.7              | 1/60  | 1 - 5.67            | MULTIPLE CKT 1                                            | 20.5/23.6     | 6.8            | 35/39                    | 35/40                     |
|                                              | RXBH-1724A18J    | 8.5/11.3             | 1/60  | 2 - 5.67            | MULTIPLE CKT 2                                            | 41.1/47.2     | 0              | 52/60                    | 60/60                     |
|                                              | RXBH-24A20C      | 14.4/19.2            | 3/60  | 6 - 3.2             | SINGLE                                                    | 40/46.2       | 6.8            | 59/67                    | 60/70                     |
|                                              | RXBH-24A20C      | 7.2/9.6              | 3/60  | 3 - 3.2             | MULTIPLE CKT 1                                            | 20/23.1       | 6.8            | 34/38                    | 35/40                     |
|                                              | RXBH-24A20C      | 7.2/9.6              | 3/60  | 3 - 3.2             | MULTIPLE CKT 2                                            | 20/23.1       | 0              | 25/29                    | 25/30                     |
|                                              | RXBH-24A20J      | 14.4/19.2            | 1/60  | 4 - 4.8             | SINGLE                                                    | 69.2/80       | 6.8            | 95/109                   | 100/110                   |
|                                              | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                                            | 34.6/40       | 6.8            | 52/59                    | 60/60                     |
|                                              | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                                              | RXBH-24A25C      | 18/24                | 3/60  | 6 - 4               | SINGLE                                                    | 50/57.8       | 6.8            | 71/81                    | 80/90                     |
|                                              | RXBH-24A25C      | 9/12                 | 3/60  | 3 - 4               | MULTIPLE CKT 1                                            | 25/28.9       | 6.8            | 40/45                    | 40/45                     |
|                                              | RXBH-24A25C      | 9/12                 | 3/60  | 3 - 4               | MULTIPLE CKT 2                                            | 25/28.9       | 0              | 32/37                    | 35/40                     |
|                                              | RXBH-24A25J      | 18/24                | 1/60  | 6 - 4               | SINGLE                                                    | 86.4/99.9     | 6.8            | 117/134                  | 125/150                   |
|                                              | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 1                                            | 28.8/33.3     | 6.8            | 45/51                    | 45/60                     |
|                                              | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 2                                            | 28.8/33.3     | 0              | 37/42                    | 40/45                     |
|                                              | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 3                                            | 28.8/33.3     | 0              | 37/42                    | 40/45                     |

- Supply circuit protective devices may be fuses or "HACR" type circuit breakers.
- Largest motor load is included in single circuit and multiple circuit 1.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- J Voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3-phase power to the air handler terminal block without the heater, bring only two leads to the terminal block cap, insulate and fully secure the third lead.

[ ] Designates Metric Conversions

## Electrical Data – With Electric Heat RH1V (Cont.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model RH1V | Heater Model No. | Heater kW (208/240V) | PH/HZ | No. Elements kW Per | Type Supply Circuit<br>Single Circuit<br>Multiple Circuit | Circuit Amps. | Motor Ampacity | Minimum Circuit Ampacity | Maximum Circuit Protector |
|------------------------|------------------|----------------------|-------|---------------------|-----------------------------------------------------------|---------------|----------------|--------------------------|---------------------------|
| 6024STAN               | RXBH-1724?05J    | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                                    | 17.3/20       | 6.8            | 31/34                    | 35/35                     |
|                        | RXBH-1724?07J    | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                                    | 26/30         | 6.8            | 41/46                    | 45/50                     |
|                        | RXBH-1724?10J    | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                                    | 34.6/40       | 6.8            | 52/59                    | 60/60                     |
|                        | RXBH-1724A10C    | 7.2/9.6              | 3/60  | 3 - 3.2             | SINGLE                                                    | 20/23.1       | 6.8            | 34/38                    | 35/40                     |
|                        | RXBH-1724A15C    | 10.8/14.4            | 3/60  | 3 - 4.8             | SINGLE                                                    | 30/34.6       | 6.8            | 46/52                    | 50/60                     |
|                        | RXBH-1724A15J    | 10.8/14.4            | 1/60  | 3 - 4.8             | SINGLE                                                    | 51.9/60       | 6.8            | 74/84                    | 80/90                     |
|                        | RXBH-1724A15J    | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                                            | 17.3/20       | 6.8            | 31/34                    | 35/35                     |
|                        | RXBH-1724A15J    | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                        | RXBH-1724A18J    | 12.8/17              | 1/60  | 3 - 5.67            | SINGLE                                                    | 61.6/70.8     | 6.8            | 86/98                    | 90/100                    |
|                        | RXBH-1724A18J    | 4.3/5.7              | 1/60  | 1 - 5.67            | MULTIPLE CKT 1                                            | 20.5/23.6     | 6.8            | 35/39                    | 35/40                     |
|                        | RXBH-1724A18J    | 8.5/11.3             | 1/60  | 2 - 5.67            | MULTIPLE CKT 2                                            | 41.1/47.2     | 0              | 52/60                    | 60/60                     |
|                        | RXBH-24A20C      | 14.4/19.2            | 3/60  | 6 - 3.2             | SINGLE                                                    | 40/46.2       | 6.8            | 59/67                    | 60/70                     |
|                        | RXBH-24A20C      | 7.2/9.6              | 3/60  | 3 - 3.2             | MULTIPLE CKT 1                                            | 20/23.1       | 6.8            | 34/38                    | 35/40                     |
|                        | RXBH-24A20C      | 7.2/9.6              | 3/60  | 3 - 3.2             | MULTIPLE CKT 2                                            | 20/23.1       | 0              | 25/29                    | 25/30                     |
|                        | RXBH-24A20J      | 14.4/19.2            | 1/60  | 4 - 4.8             | SINGLE                                                    | 69.2/80       | 6.8            | 95/109                   | 100/110                   |
|                        | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                                            | 34.6/40       | 6.8            | 52/59                    | 60/60                     |
|                        | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                        | RXBH-24A25C      | 18/24                | 3/60  | 6 - 4               | SINGLE                                                    | 50/57.8       | 6.8            | 71/81                    | 80/90                     |
|                        | RXBH-24A25C      | 9/12                 | 3/60  | 3 - 4               | MULTIPLE CKT 1                                            | 25/28.9       | 6.8            | 40/45                    | 40/45                     |
|                        | RXBH-24A25C      | 9/12                 | 3/60  | 3 - 4               | MULTIPLE CKT 2                                            | 25/28.9       | 0              | 32/37                    | 35/40                     |
|                        | RXBH-24A25J      | 18/24                | 1/60  | 6 - 4               | SINGLE                                                    | 86.4/99.9     | 6.8            | 117/134                  | 125/150                   |
|                        | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 1                                            | 28.8/33.3     | 6.8            | 45/51                    | 45/60                     |
|                        | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 2                                            | 28.8/33.3     | 0              | 37/42                    | 40/45                     |
|                        | RXBH-24A25J      | 6/8                  | 1/60  | 2 - 4               | MULTIPLE CKT 3                                            | 28.8/33.3     | 0              | 37/42                    | 40/45                     |
|                        | RXBH-24A30C      | 21.6/28.8            | 3/60  | 6 - 4.8             | SINGLE                                                    | 60/69.4       | 6.8            | 84/96                    | 90/100                    |
|                        | RXBH-24A30C      | 10.8/14.4            | 3/60  | 3 - 4.8             | MULTIPLE CKT 1                                            | 30/34.7       | 6.8            | 46/52                    | 50/60                     |
|                        | RXBH-24A30C      | 10.8/14.4            | 3/60  | 3 - 4.8             | MULTIPLE CKT 2                                            | 30/34.7       | 0              | 38/44                    | 40/45                     |
|                        | RXBH-24A30J      | 21.6/28.8            | 1/60  | 6 - 4.8             | SINGLE                                                    | 103.8/120     | 6.8            | 139/159                  | 150/175                   |
|                        | RXBH-24A30J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                                            | 34.6/40       | 6.8            | 52/59                    | 60/60                     |
|                        | RXBH-24A30J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |
|                        | RXBH-24A30J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 3                                            | 34.6/40       | 0              | 44/50                    | 45/50                     |

- Supply circuit protective devices may be fuses or "HACR" type circuit breakers.
- Largest motor load is included in single circuit and multiple circuit 1.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- J Voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3-phase power to the air handler terminal block without the heater, bring only two leads to the terminal block cap, insulate and fully secure the third lead.

[ ] Designates Metric Conversions

## Airflow Performance

**Airflow performance data is based on cooling performance with a coil and no filter in place.** Select performance table for appropriate unit size, voltage and number of electric heaters to be used. Make sure external static applied to unit allows operation within the minimum and maximum limits shown in table

below for both cooling and electric heat operation. For optimum blower performance, operate the unit in the .3 [8 mm] to .7 inches [18 mm] W.C. external static range. Units with coils should be applied with a minimum of .1 inch [3 mm] W.C. external static range.

## Airflow Performance Data RH2V

| Air Handler<br>RH2V | Outdoor Unit               | Cabinet Size | Blower         |                | Nominal Airflow CFM |       | External Static Pressure - In. W.C.<br>CFM [L/s] Air Delivery/RPM/Watts-230 Volts |            |            |            |            |            |            |            |            |            |
|---------------------|----------------------------|--------------|----------------|----------------|---------------------|-------|-----------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                     |                            |              | Size Motor HP  | Unit Operation |                     |       | External Static Pressure – Inches W.C. [kPa]                                      |            |            |            |            |            |            |            |            |            |
|                     |                            |              |                |                |                     |       | 0.10                                                                              | 0.20       | 0.30       | 0.40       | 0.50       | 0.60       | 0.70       | 0.80       | 0.90       | 1.00       |
| 2421HT              | RARL-024<br>or<br>RASL-024 | 21           | 10 x 8<br>1/3  | First Stage    | 600                 | CFM   | 550 [260]                                                                         | 575 [271]  | 600 [283]  | 600 [283]  | 625 [295]  | 625 [295]  | 625 [295]  | 600 [283]  | 575 [271]  | 550 [260]  |
|                     |                            |              |                |                |                     | RPM   | 455                                                                               | 540        | 620        | 695        | 760        | 825        | 885        | 940        | 985        | 1030       |
|                     |                            |              |                |                |                     | Watts | 40                                                                                | 55         | 70         | 85         | 105        | 120        | 135        | 150        | 170        | 185        |
|                     |                            |              |                | Second Stage   | 775                 | CFM   | 775 [366]                                                                         | 775 [366]  | 775 [366]  | 800 [378]  | 800 [378]  | 825 [389]  | 825 [389]  | 825 [389]  | 825 [389]  | 825 [389]  |
|                     |                            |              |                |                |                     | RPM   | 540                                                                               | 615        | 685        | 750        | 810        | 870        | 925        | 975        | 1020       | 1065       |
|                     |                            |              |                |                |                     | Watts | 70                                                                                | 90         | 115        | 135        | 160        | 180        | 205        | 225        | 250        | 270        |
| 3624HT              | RARL-036<br>or<br>RASL-036 | 24           | 11 x 11<br>3/4 | First Stage    | 950                 | CFM   | 950 [448]                                                                         | 950 [448]  | 1000 [472] | 975 [460]  | 975 [460]  | 975 [460]  | 925 [437]  | 925 [437]  | 925 [437]  |            |
|                     |                            |              |                |                |                     | RPM   | 495                                                                               | 555        | 610        | 665        | 720        | 770        | 820        | 865        | 910        | 955        |
|                     |                            |              |                |                |                     | Watts | 95                                                                                | 115        | 140        | 165        | 185        | 210        | 240        | 265        | 290        | 320        |
|                     |                            |              |                | Second Stage   | 1175                | CFM   | 1150 [543]                                                                        | 1150 [543] | 1175 [555] | 1175 [555] | 1175 [555] | 1150 [543] | 1150 [543] | 1150 [543] | 1125 [531] | 1125 [531] |
|                     |                            |              |                |                |                     | RPM   | 550                                                                               | 600        | 650        | 700        | 750        | 800        | 850        | 900        | 925        | 975        |
|                     |                            |              |                |                |                     | Watts | 125                                                                               | 175        | 200        | 225        | 250        | 275        | 300        | 325        | 375        | 400        |
|                     | RASL-039                   |              |                | First Stage    | 825                 | CFM   | 825 [389]                                                                         | 825 [389]  | 875 [413]  | 875 [413]  | 850 [401]  | 850 [401]  | 825 [389]  | 825 [389]  | 800 [378]  | 800 [378]  |
|                     |                            |              |                |                |                     | RPM   | 455                                                                               | 515        | 575        | 630        | 680        | 730        | 780        | 830        | 875        | 915        |
|                     |                            |              |                |                |                     | Watts | 70                                                                                | 90         | 115        | 135        | 155        | 180        | 205        | 230        | 255        | 280        |
|                     |                            |              |                | Second Stage   | 1175                | CFM   | 1150 [543]                                                                        | 1150 [543] | 1175 [555] | 1175 [555] | 1175 [555] | 1150 [543] | 1150 [543] | 1150 [543] | 1125 [531] | 1125 [531] |
|                     |                            |              |                |                |                     | RPM   | 550                                                                               | 600        | 650        | 700        | 750        | 800        | 850        | 900        | 925        | 975        |
|                     |                            |              |                |                |                     | Watts | 125                                                                               | 175        | 200        | 225        | 250        | 275        | 300        | 325        | 375        | 400        |
| 4824HT              | RARL-048                   | 24           | 11 x 11<br>3/4 | First Stage    | 1200                | CFM   | 1275 [602]                                                                        | 1275 [602] | 1250 [590] | 1250 [590] | 1275 [602] | 1250 [590] | 1250 [590] | 1225 [578] | 1225 [578] | 1225 [578] |
|                     |                            |              |                |                |                     | RPM   | 533                                                                               | 593        | 649        | 702        | 752        | 798        | 841        | 881        | 917        | 950        |
|                     |                            |              |                |                |                     | Watts | 131                                                                               | 161        | 191        | 221        | 250        | 279        | 307        | 335        | 363        | 390        |
|                     |                            |              |                | Second Stage   | 1600                | CFM   | 1650 [779]                                                                        | 1650 [779] | 1675 [791] | 1700 [802] | 1700 [802] | 1700 [802] | 1675 [791] | 1675 [791] | 1675 [791] | 1675 [791] |
|                     |                            |              |                |                |                     | RPM   | 635                                                                               | 698        | 761        | 824        | 887        | 950        | 1013       | 1075       | 1120       | 1006       |
|                     |                            |              |                |                |                     | Watts | 244                                                                               | 293        | 340        | 384        | 425        | 464        | 500        | 533        | 564        | 592        |
|                     | RASL-048                   |              |                | First Stage    | 1000                | CFM   | 1000 [472]                                                                        | 1000 [472] | 1025 [484] | 1025 [484] | 1000 [472] | 1000 [472] | 975 [460]  | 975 [460]  | 975 [460]  | 975 [460]  |
|                     |                            |              |                |                |                     | RPM   | 500                                                                               | 575        | 625        | 675        | 725        | 775        | 825        | 875        | 925        | 950        |
|                     |                            |              |                |                |                     | Watts | 100                                                                               | 125        | 150        | 175        | 200        | 225        | 250        | 275        | 300        | 325        |
|                     |                            |              |                | Second Stage   | 1600                | CFM   | 1650 [779]                                                                        | 1650 [779] | 1675 [791] | 1700 [802] | 1700 [802] | 1700 [802] | 1675 [791] | 1675 [791] | 1675 [791] | 1675 [791] |
|                     |                            |              |                |                |                     | RPM   | 635                                                                               | 698        | 761        | 824        | 887        | 950        | 1013       | 1075       | 1120       | 1006       |
|                     |                            |              |                |                |                     | Watts | 244                                                                               | 293        | 340        | 384        | 425        | 464        | 500        | 533        | 564        | 592        |
| 6024HT              | RARL-060                   | 24           | 11 x 11<br>3/4 | First Stage    | 1275                | CFM   | 1275 [602]                                                                        | 1275 [602] | 1275 [602] | 1275 [602] | 1275 [602] | 1275 [602] | 1250 [590] | 1250 [590] | 1250 [590] |            |
|                     |                            |              |                |                |                     | RPM   | 577                                                                               | 633        | 687        | 738        | 786        | 831        | 874        | 914        | 951        | 986        |
|                     |                            |              |                |                |                     | Watts | 159                                                                               | 189        | 218        | 248        | 279        | 310        | 341        | 372        | 404        | 436        |
|                     |                            |              |                | Second Stage   | 1700                | CFM   | 1625 [767]                                                                        | 1625 [767] | 1650 [779] | 1675 [791] | 1675 [791] | 1650 [779] | 1650 [779] | 1625 [767] | 1625 [767] | 1625 [767] |
|                     |                            |              |                |                |                     | RPM   | 691                                                                               | 742        | 790        | 835        | 877        | 916        | 953        | 986        | 1016       | 1044       |
|                     |                            |              |                |                |                     | Watts | 289                                                                               | 334        | 377        | 417        | 456        | 493        | 529        | 562        | 593        | 623        |
|                     | RASL-060                   |              |                | First Stage    | 1050                | CFM   | 1050 [496]                                                                        | 1050 [496] | 1075 [507] | 1075 [507] | 1050 [496] | 1025 [484] | 1025 [484] | 1025 [484] | 1025 [484] | 1000 [472] |
|                     |                            |              |                |                |                     | RPM   | 525                                                                               | 575        | 625        | 675        | 750        | 800        | 825        | 875        | 925        | 975        |
|                     |                            |              |                |                |                     | Watts | 100                                                                               | 125        | 150        | 175        | 225        | 250        | 275        | 300        | 325        | 350        |
|                     |                            |              |                | Second Stage   | 1700                | CFM   | 1625 [767]                                                                        | 1625 [767] | 1650 [779] | 1675 [791] | 1675 [791] | 1650 [779] | 1650 [779] | 1625 [767] | 1625 [767] | 1625 [767] |
|                     |                            |              |                |                |                     | RPM   | 691                                                                               | 742        | 790        | 835        | 877        | 916        | 953        | 986        | 1016       | 1044       |
|                     |                            |              |                |                |                     | Watts | 289                                                                               | 334        | 377        | 417        | 456        | 493        | 529        | 562        | 593        | 623        |

**IMPORTANT:** Observe airflow operating limits. Do not operate above 1.0 in. W.C. system external static.

[ ] Designates Metric Conversions

## Electrical Data (-)H2V

| Model RH2V | HP [W]    | Voltage | Phase | Hertz | RPM      | Circuit Amps. | Minimum Circuit Ampacity | Maximum Circuit Protector |
|------------|-----------|---------|-------|-------|----------|---------------|--------------------------|---------------------------|
| 2421HT     | 1/3 [249] | 208/230 | 1     | 60    | 300-1100 | 1.7           | 4.0                      | 15                        |
| 3624HT     | 3/4 [559] | 208/230 | 1     | 60    | 300-1100 | 4.9           | 9.0                      | 15                        |
| 4824HT     | 3/4 [559] | 208/230 | 1     | 60    | 300-1100 | 4.9           | 9.0                      | 15                        |
| 6024HT     | 3/4 [559] | 208/230 | 1     | 60    | 300-1100 | 4.9           | 9.0                      | 15                        |

## Electrical Data – With Electric Heat RH2V

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model RH2V | Heater Model No.         | Heater kW (208/240V) | PH/HZ | No. Elements kW Per | Type Supply Circuit Single Circuit Multiple | Circuit Amps. | Motor Ampacity | Minimum Circuit Ampacity | Maximum Circuit Protection |
|------------------------|--------------------------|----------------------|-------|---------------------|---------------------------------------------|---------------|----------------|--------------------------|----------------------------|
| 2421HT                 | RXBH-1724?05J            | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                      | 17.3/20.0     | 1.7            | 24/28                    | 25/30                      |
|                        | RXBH-1724?07J            | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                      | 26.0/30.0     | 1.7            | 35/40                    | 35/40                      |
|                        | RXBH-1724?10J            | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                      | 34.6/40.0     | 1.7            | 46/53                    | 50/60                      |
| 3624HT                 | RXBH-1724?05J            | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                      | 17.3/20.0     | 4.9            | 28/32                    | 30/35                      |
|                        | RXBH-1724?07J            | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                      | 26.0/30.0     | 4.9            | 39/44                    | 40/45                      |
|                        | RXBH-1724?10J            | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                      | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        | RXBH-1724A15J            | 10.8/14.4            | 1/60  | 3-4.8               | SINGLE                                      | 51.9/60.0     | 4.9            | 71/82                    | 80/90                      |
|                        | RXBH-1724A15J            | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                              | 17.3/20.0     | 4.9            | 28/32                    | 30/35                      |
|                        |                          | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        | RXBH-1724A18J            | 12.8/17              | 1/60  | 3-5.68              | SINGLE                                      | 61.6/70.8     | 4.9            | 84/95                    | 90/100                     |
|                        | RXBH-1724A18J            | 4.3/5.7              | 1/60  | 1 - 5.68            | MULTIPLE CKT 1                              | 20.5/23.6     | 4.9            | 32/36                    | 35/40                      |
|                        |                          | 8.7/11.3             | 1/60  | 2 - 5.86            | MULTIPLE CKT 2                              | 41.1/47.2     | 0.0            | 52/59                    | 60/60                      |
|                        | RXBH-24A20J              | 14.4/19.2            | 1/60  | 4-4.8               | SINGLE                                      | 69.2/80       | 4.9            | 93/107                   | 100/110                    |
|                        | RXBH-24A20J              | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                              | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        |                          | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
| 4824HT                 | RXBH-1724?05J            | 3.6/4.8              | 1/60  | 1 - 4.8             | SINGLE                                      | 17.3/20.0     | 4.9            | 28/32                    | 30/35                      |
|                        | RXBH-1724?07J            | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                      | 26.0/30.0     | 4.9            | 39/44                    | 40/45                      |
|                        | RXBH-1724?10J            | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                      | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        | RXBH-1724A15J            | 10.8/14.4            | 1/60  | 3-4.8               | SINGLE                                      | 51.9/60.0     | 4.9            | 71/82                    | 80/90                      |
|                        | RXBH-1724A15J            | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                              | 17.3/20.0     | 4.9            | 28/32                    | 30/35                      |
|                        |                          | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        | RXBH-1724A18J            | 12.8/17              | 1/60  | 3-5.68              | SINGLE                                      | 61.6/70.8     | 4.9            | 84/95                    | 90/100                     |
|                        | RXBH-1724A18J            | 4.3/5.7              | 1/60  | 1 - 5.68            | MULTIPLE CKT 1                              | 20.5/23.6     | 4.9            | 32/36                    | 35/40                      |
|                        |                          | 8.7/11.3             | 1/60  | 2 - 5.86            | MULTIPLE CKT 2                              | 41.1/47.2     | 0.0            | 52/59                    | 60/60                      |
|                        | RXBH-24A20J              | 14.4/19.2            | 1/60  | 4-4.8               | SINGLE                                      | 69.2/80       | 4.9            | 93/107                   | 100/110                    |
|                        | RXBH-24A20J              | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                              | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        |                          | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        | RXBH-24A25J (4-ton only) | 18.0/24.0            | 1/60  | 6-4.0               | SINGLE                                      | 86.4/99.9     | 5.2            | 115/132                  | 125/150                    |
|                        | RXBH-24A25J (4-ton only) | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 1                              | 28.8/33.3     | 5.2            | 43/49                    | 45/50                      |
|                        |                          | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 2                              | 28.8/33.3     | 0.0            | 36/42                    | 40/45                      |
|                        |                          | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 3                              | 28.8/33.3     | 0.0            | 36/42                    | 40/45                      |

- Supply circuit protective devices may be fuses or “HACR” type circuit breakers.
- Largest motor load is included in single circuit and multiple circuit 1.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- J Voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3-phase power to the air handler terminal block without the heater, bring only two leads to the terminal block cap, insulate and fully secure the third lead.

[ ] Designates Metric Conversions

## Electrical Data – With Electric Heat RH2V (con't.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model RH2V | Heater Model No. | Heater kW (208/240V) | PH/HZ | No. Elements kW Per | Type Supply Circuit Single Circuit Multiple | Circuit Amps. | Motor Ampacity | Minimum Circuit Ampacity | Maximum Circuit Protection |
|------------------------|------------------|----------------------|-------|---------------------|---------------------------------------------|---------------|----------------|--------------------------|----------------------------|
| 6024HT                 | RXBH-1724?07J    | 5.4/7.2              | 1/60  | 2 - 3.6             | SINGLE                                      | 26.0/30.0     | 4.9            | 39/44                    | 40/45                      |
|                        | RXBH-1724?10J    | 7.2/9.6              | 1/60  | 2 - 4.8             | SINGLE                                      | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        | RXBH-1724A15J    | 10.8/14.4            | 1/60  | 3-4.8               | SINGLE                                      | 51.9/60.0     | 4.9            | 71/82                    | 80/90                      |
|                        | RXBH-1724A15J    | 3.6/4.8              | 1/60  | 1 - 4.8             | MULTIPLE CKT 1                              | 17.3/20.0     | 4.9            | 28/32                    | 30/35                      |
|                        |                  | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        | RXBH-1724A18J    | 12.8/17              | 1/60  | 3-5.68              | SINGLE                                      | 61.6/70.8     | 4.9            | 84/95                    | 90/100                     |
|                        | RXBH-1724A18J    | 4.3/5.7              | 1/60  | 1 - 5.68            | MULTIPLE CKT 1                              | 20.5/23.6     | 4.9            | 32/36                    | 35/40                      |
|                        |                  | 8.7/11.3             | 1/60  | 2 - 5.86            | MULTIPLE CKT 2                              | 41.1/47.2     | 0.0            | 52/59                    | 60/60                      |
|                        | RXBH-24A20J      | 14.4/19.2            | 1/60  | 4-4.8               | SINGLE                                      | 69.2/80       | 4.9            | 93/107                   | 100/110                    |
|                        | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                              | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        |                  | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        | RXBH-24A25J      | 18.0/24.0            | 1/60  | 6-4.0               | SINGLE                                      | 86.4/99.9     | 4.9            | 115/131                  | 125/150                    |
|                        | RXBH-24A25J      | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 1                              | 28.8/33.3     | 4.9            | 43/48                    | 45/50                      |
|                        |                  | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 2                              | 28.8/33.3     | 0.0            | 36/42                    | 40/45                      |
|                        |                  | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 3                              | 28.8/33.3     | 0.0            | 36/42                    | 40/45                      |
|                        | RXBH-24A20J      | 14.4/19.2            | 1/60  | 4-4.8               | SINGLE                                      | 69.2/80       | 4.9            | 93/107                   | 100/110                    |
|                        | RXBH-24A20J      | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 1                              | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        |                  | 7.2/9.6              | 1/60  | 2 - 4.8             | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        | RXBH-24A25J      | 18.0/24.0            | 1/60  | 6-4.0               | SINGLE                                      | 86.4/99.9     | 4.9            | 115/131                  | 125/150                    |
|                        | RXBH-24A25J      | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 1                              | 28.8/33.3     | 4.9            | 43/48                    | 45/50                      |
|                        |                  | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 2                              | 28.8/33.3     | 0.0            | 36/42                    | 40/45                      |
|                        |                  | 6.0/8.0              | 1/60  | 2-4.0               | MULTIPLE CKT 3                              | 28.8/33.3     | 0.0            | 36/42                    | 40/45                      |
|                        | RXBH-24A30J      | 21.6/28.8            | 1/60  | 6-4.8               | SINGLE                                      | 103.8/120     | 4.9            | 136/156                  | 150/175                    |
|                        | RXBH-24A30J      | 7.2/9.6              | 1/60  | 2-4.8               | MULTIPLE CKT 1                              | 34.6/40.0     | 4.9            | 50/57                    | 50/60                      |
|                        |                  | 7.2/9.6              | 1/60  | 2-4.8               | MULTIPLE CKT 2                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |
|                        |                  | 7.2/9.6              | 1/60  | 2-4.8               | MULTIPLE CKT 3                              | 34.6/40.0     | 0.0            | 44/50                    | 45/50                      |

- Supply circuit protective devices may be fuses or "HACR" type circuit breakers.
- Largest motor load is included in single circuit and multiple circuit 1.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- J Voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3-phase power to the air handler terminal block without the heater, bring only two leads to the terminal block cap, insulate and fully secure the third lead.

[ ] Designates Metric Conversions

Electrical Wiring

Power Wiring

- Field wiring must comply with the National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- Supply wiring must be 75°C minimum copper conductors only.
- See electrical data for product Ampacity rating and Circuit Protector requirement.

Accessories

• Combustible Floor Base RXHB-

| Model Cabinet Size | Combustible Floor Base Model Number |
|--------------------|-------------------------------------|
| 17                 | RXHB-17                             |
| 21                 | RXHB-21                             |
| 24                 | RXHB-24                             |

- **Jumper Bar Kit 3 Ckt. to 1 Ckt. RXBJ-A31** is used to convert single phase multiple three circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Jumper Bar Kit 2 Ckt. to 1 Ckt. RXBJ-A21** is used to convert single phase multiple two circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Note:** No jumper bar kit is available to convert three phase multiple two circuit units to a single supply circuit.

• Auxiliary Horizontal Overflow Pan Accessory RXBM-

| Nominal Cooling Capacity-Tons | Auxiliary Horizontal Overflow Pan Accessory Model Number |
|-------------------------------|----------------------------------------------------------|
| 1½ - 3                        | RXBM-AC48                                                |
| 3½ - 5                        | RXBM-AC61                                                |

• External Filter Rack RXHF-B17, B21, B24

| Model Cabinet Size | Filter Size In. [mm] | Part Number* | A     | B     |
|--------------------|----------------------|--------------|-------|-------|
| 17                 | 16 x 20 [406 x 508]  | RXHF-B17     | 16.90 | 20.77 |
| 21                 | 20 x 20 [508 x 508]  | RXHF-B21     | 20.40 | 20.77 |
| 24                 | 25 x 20 [635 x 508]  | RXHF-B24     | 25.00 | 21.04 |

\*Accommodates 1" filter

[ ] Designates Metric Conversions

Grounding

- This product must be sufficiently grounded in accordance with National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- A grounding lug is provided.

• Auxiliary Electric Heater Kits RXBH-

Heater Kits include circuit breakers which meet UL and cUL requirements for service disconnect. See the Electric Heat Electrical Data in this specification sheet for specific Heater Kit Model numbers.

• External Filter Base RXHF-

| Model Cabinet Size | Filter Size In. [mm] | Part Number* | A     | B    |
|--------------------|----------------------|--------------|-------|------|
| 21                 | 20 x 20 [508 x 508]  | RXHF-21      | 19.20 | 21.0 |
| 24                 | 25 x 20 [635 x 508]  | RXHF-24      | 22.70 | 25.5 |

\*Accommodates 1" or 2" filter

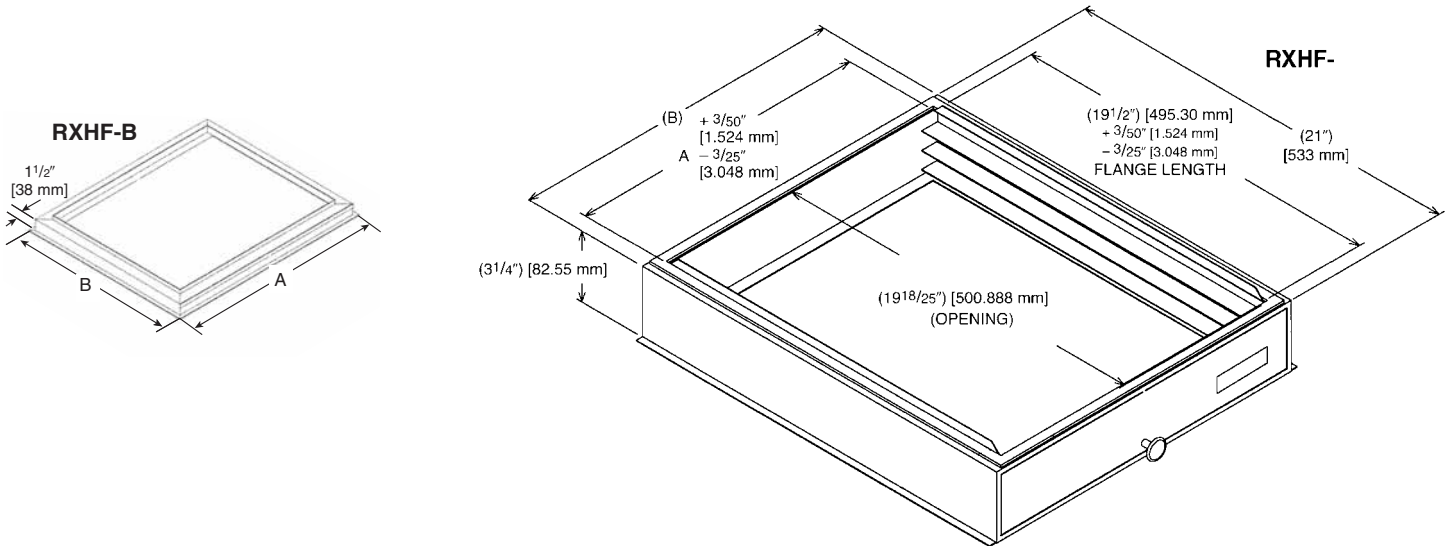
• Horizontal Adapter Kit RXHH-

This horizontal adapter kit is used to convert Upflow/Downflow only models to horizontal flow. See the following table to order proper horizontal adapter kit.

| Coil Model           | Horizontal Adapter Kit Model Number (Single Qty.) | Horizontal Adapter Kit Model Number (10-Pack Qty.) |
|----------------------|---------------------------------------------------|----------------------------------------------------|
| 2414                 | RXHH-A01                                          | RXHH-A01 x 10                                      |
| 2417                 | RXHH-A02                                          | RXHH-A02 x 10                                      |
| 3617/3621            | RXHH-A03                                          | RXHH-A03 x 10                                      |
| 3821/4821/4824       | RXHH-A04                                          | RXHH-A04 x 10                                      |
| 3621HT/4821MT/6021ST | RXHH-06                                           | RXHH-06 x 10                                       |
| 6024                 | RXHH-A05                                          | RXHH-A05 x 10                                      |

• External Filter Base RXHF-

| Model Cabinet Size | Filter Size In. [mm] | Part Number* | A     | B    |
|--------------------|----------------------|--------------|-------|------|
| 17                 | 16 x 20 [406 x 508]  | RXHF-17      | 15.70 | 17.5 |
| 21                 | 20 x 20 [508 x 508]  | RXHF-21      | 19.20 | 21.0 |
| 24                 | 25 x 20 [635 x 508]  | RXHF-24      | 22.70 | 25.5 |





**GENERAL TERMS OF LIMITED WARRANTY\***

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

Conditional Parts (Registration Required) .....Ten (10) Years

**\*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**







*In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.*

Ruud Heating, Cooling & Water Heating • P.O. Box 17010  
Fort Smith, Arkansas 72917 • [www.ruud.com](http://www.ruud.com)

Ruud Canada • 125 Edgeware Road, Unit 1  
Brampton, Ontario • L6Y 0P5

**RELY ON RUUD.™**

PRINTED IN U.S.A 9/16 QG FORM NO. H22-554 REV. 2