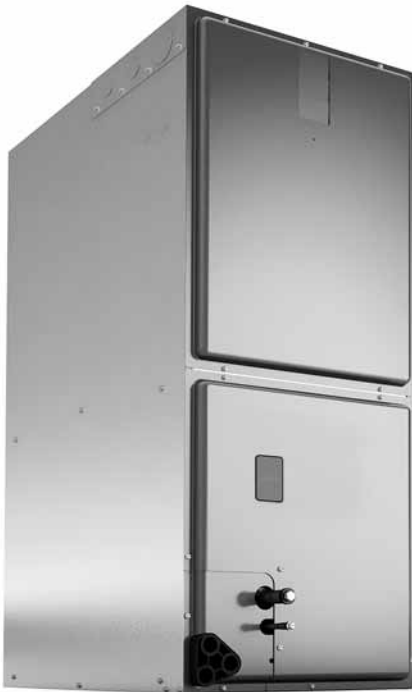


FUJITSU



HIGH EFFICIENCY AIR HANDLER

Features

- FH***TTS feature a Constant Torque motor (ECM) which provides enhanced SEER performance with most Fujitsu outdoor units.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- 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.
- 1 1/2 ton [5.3 kW] through 5 ton [17.6 kW] models are between 42 1/2 to 57 inches [1080 to 1448 mm] tall and 22 inches [559 mm] deep.
- All models meet or exceed 330 to 400 CFM [156 to 189 L/s] per ton at .3 inches [.7 kPa] of external static pressure.
- Enhanced airflow up to .7" external static pressure.
- Evaporator is constructed of aluminum fins bonded to internally grooved aluminum tubing.
- Suitable for application in mobile homes.
- Cabinet air leakage less than 2% at 1 inch H₂O when tested in accordance with ASHRAE standard 193

FH***TTS

Constant Torque Motor (ECM)
Efficiencies up to 16 SEER

Manufactured for
Fujitsu General America, Inc.
Fairfield, NJ



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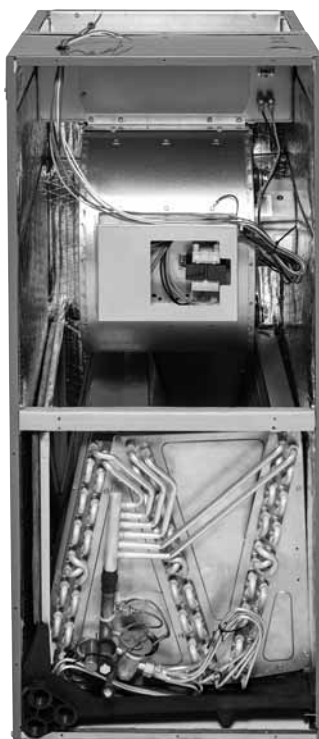
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Engineering Features

FH***TTS Series

- The most compact unit design available, all standard heat air handler models only 42 $\frac{1}{2}$ to 57 inches [1079 to 1448 mm] high.
- Attractive pre-painted cabinet exterior.
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation mechanically retained in blower compartment for excellent thermal and sound performance.
- Four leg blower motor mount.
- Blower housing with controls, motor and blower. Slide out design for service and maintenance convenience.
- Traditional open wire element design for heat applications.
- Field convertible for vertical downflow, horizontal left hand or right hand air supply.
- 3 combustible floor base accessories fit all model sizes when required for downflow installations on combustible floors.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.
- Expansion valve on indoor coil provides for operation with air conditioning or heat pump using the same coil.
- 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 1 $\frac{1}{2}$ inch [38 mm] conduit.
- Front refrigerant and drain connections.

[] Designates Metric Conversions



Model Number Identification

| <u>FH</u> | <u>24</u> | <u>17</u> | <u>T</u> | <u>T</u> | <u>S</u> | <u>V</u> | <u>S</u> | <u>00</u> | <u>N</u> |
|------------------------------|---|-------------------|-----------------------|---------------------|-----------------------------------|--|--|-----------|-----------------------|
| Product | Capacity | Width | Metering Device | Motor | Speed | Volt | Efficiency | Heater | Communication |
| Air Handler FH = H Series | 24 = 24,000 [7.03 kW] 36 = 36,000 [10.55 kW] 48 = 48,000 [14.07 kW] 60 = 60,000 [17.58 kW] | 17" 21" 24" | T = TEV P = Piston | T = Constant Torque | S = Single Stage T = Two Stage | A = 115 1 ph J = 208/230 1 ph D = 460 3 ph | S = Standard M = Medium H = High | | N = Non-Communicating |

[] Designates Metric Conversions

Available Models at 115V A Voltage

| |
|--------------|
| FH2417TTSASN |
| FH3617TTSASN |
| FH3621TTSAMN |
| FH3621TTSAHN |
| FH4821TTSASN |
| FH4821TTSAMN |
| FH6021TTSASN |
| FH4824TTSASN |
| FH6024TTSASN |

Available Models at 208V J Voltage

| |
|--------------|
| FH2417TTSJSN |
| FH3617TTSJSN |
| FH3621TTSJMN |
| FH3621TTSJHN |
| FH4821TTSJMN |
| FH4821TTSJSN |
| FH4824TTSJSN |
| FH6021TTSJSN |
| FH6024TTSJSN |

Available Models at 480V D Voltage

| |
|---------------|
| FH3617TTSDSN |
| FH3621TTS DMN |
| FH4821TTSDSN |
| FH4824TTSDSN |
| FH6021TTSDSN |
| FH6024TTSDSN |

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 3/32" [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)

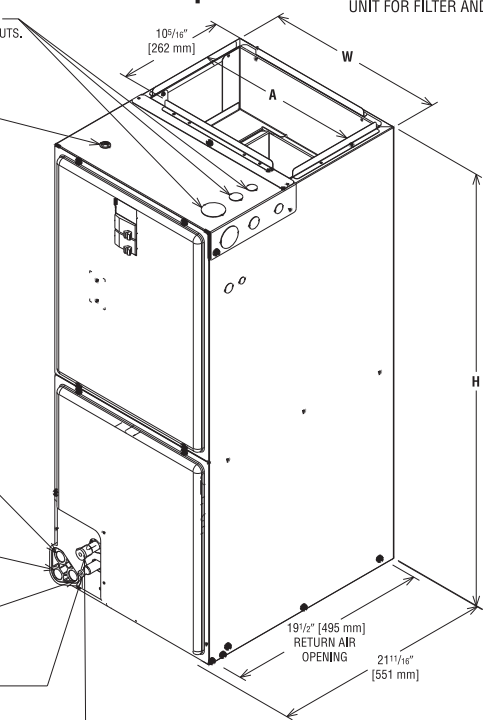
AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION
COPPER (SWEAT)

VAPOR LINE CONNECTION
COPPER (SWEAT)

SUPPLY AIR ↑

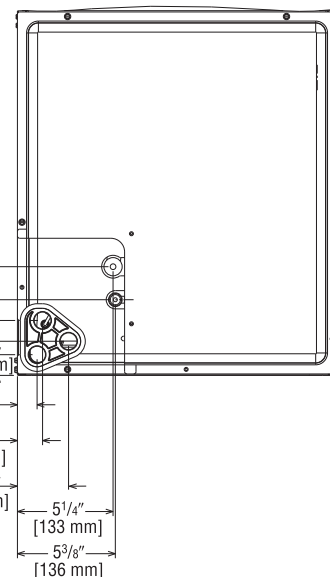
NOTE: 24" CLEARANCE REQUIRED IN FRONT OF
UNIT FOR FILTER AND COIL MAINTENANCE.



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

HORIZONTAL ADAPTER KIT

VAPOR LINE CONNECTION

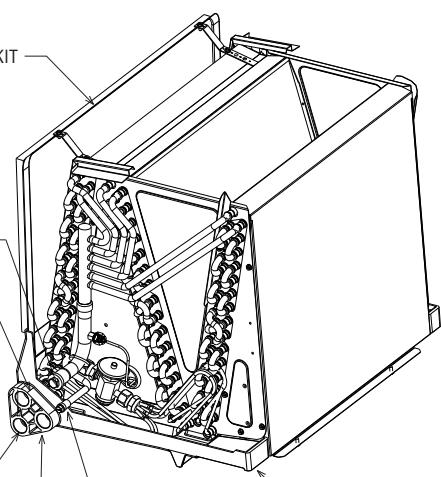
AUXILIARY HORIZONTAL DRAIN CONNECTION

PRIMARY DRAIN CONNECTION

AUXILIARY UPFLOW/DOWNFLOW DRAIN CONNECTION

LIQUID LINE CONNECTION

VERTICAL DRAIN PAN



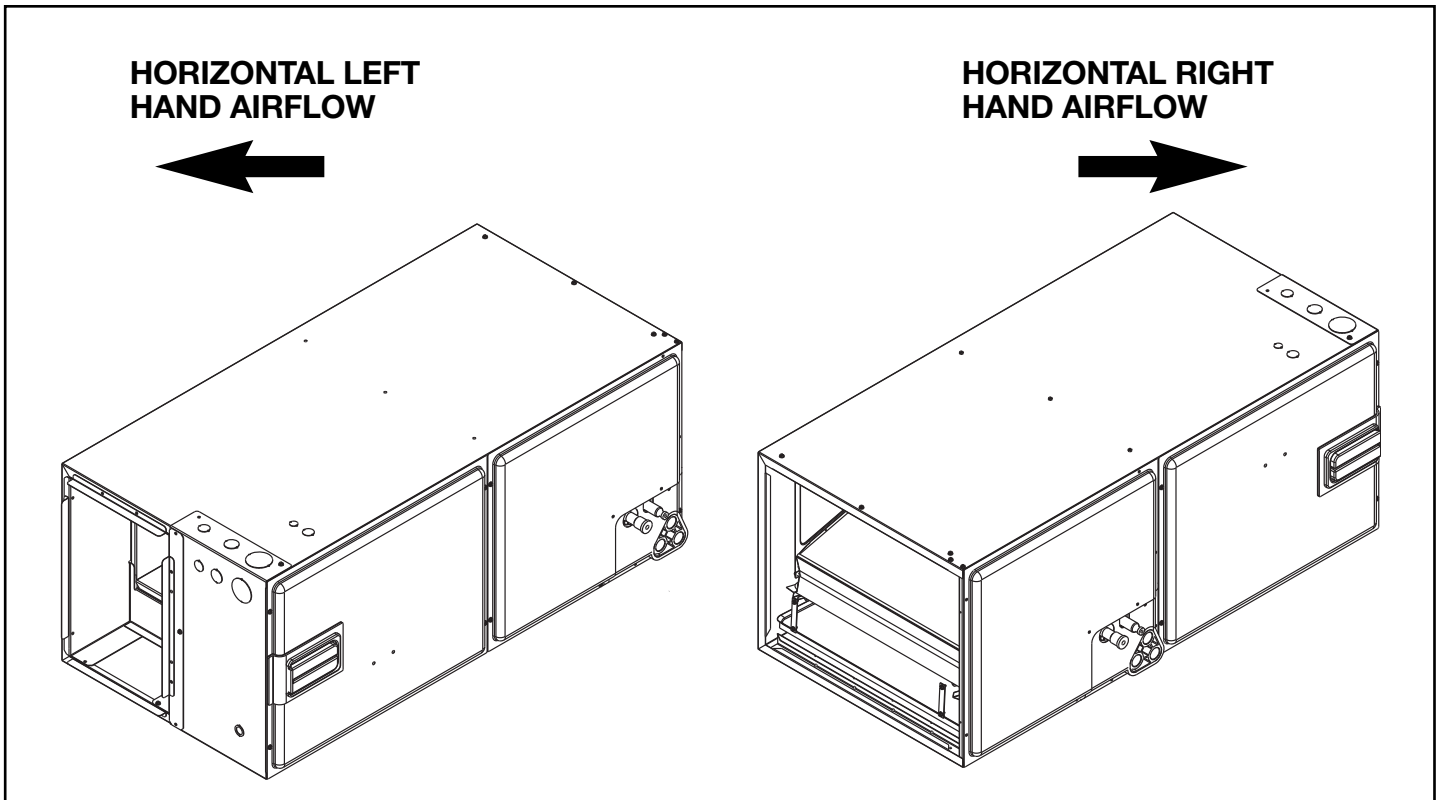
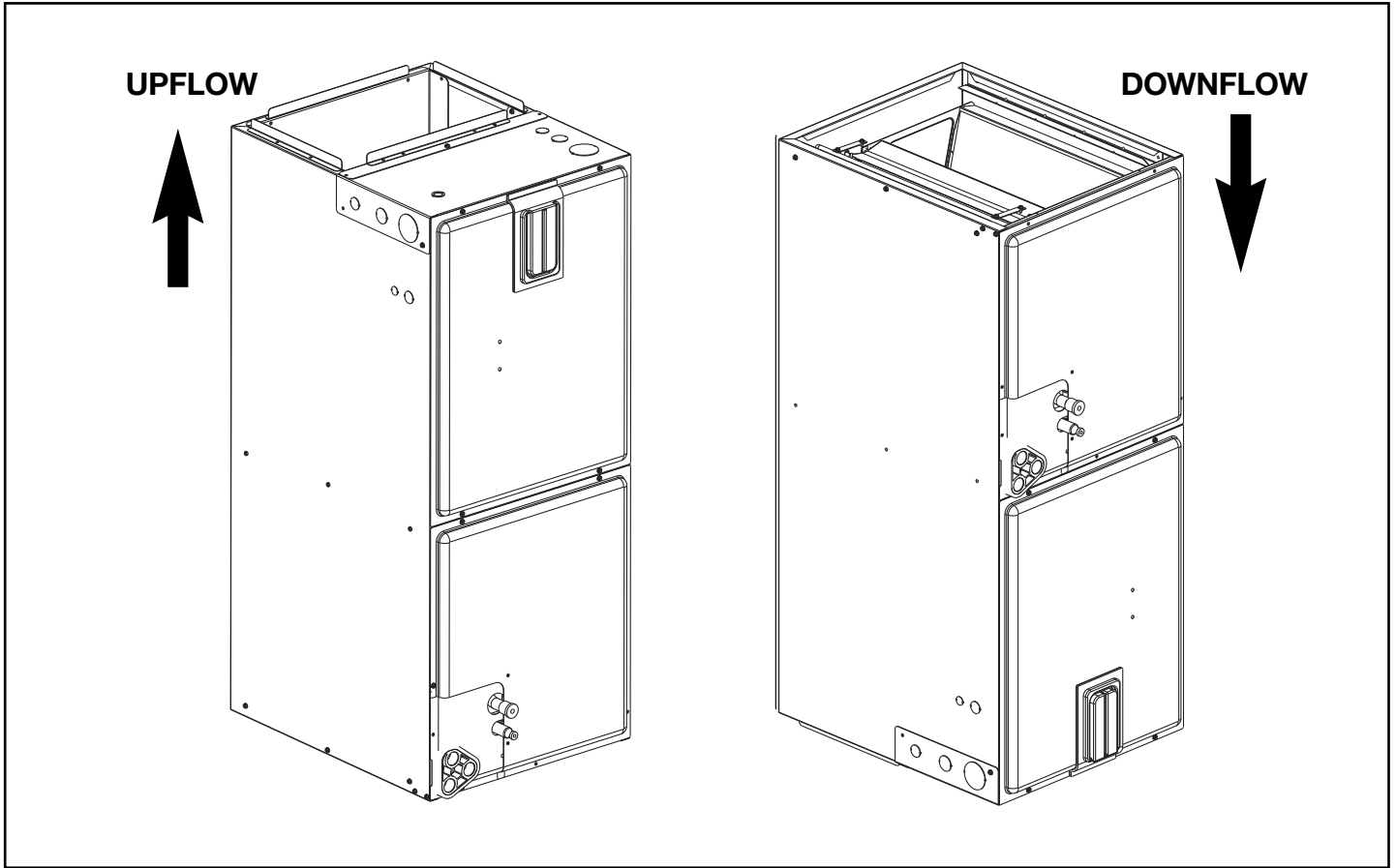
Unit Dimensions & Weights

| Model Size FH***TTS | Refrigerant Connections Sweat (In.) [mm] ID | | Unit Width "W" In. [mm] | Unit Height "H" In. [mm] | Supply Duct "A" In. [mm] | Air Flow CFM (Nom.) [L/s] | | Unit Weight/Shipping Weight (Lbs.) [kg] |
|------------------------|--|-------------|----------------------------|-----------------------------|-----------------------------|------------------------------|------------|--|
| | Liquid | Vapor | | | | Lo | Hi | Unit With Coil (Max. KW) |
| 2417*SN | 3/8 [9.53] | 3/4 [19.05] | 17 1/2 [445] | 42 1/2 [1080] | 16 [406] | 600 [283] | 800 [378] | 92/106 [42/48] |
| 3617*SN | 3/8 [9.53] | 3/4 [19.05] | 17 1/2 [445] | 42 1/2 [1080] | 16 [406] | 1000 [472] | 1200 [566] | 96/110 [44/50] |
| 3621*HN | 3/8 [9.53] | 7/8 [22.23] | 21 [533] | 57 [1448] | 19 1/2 [495] | 1000 [472] | 1200 [566] | 137/149 [62/68] |
| 3621*MN | 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] |
| 4821*MN | 3/8 [9.53] | 7/8 [22.23] | 21 [533] | 57 [1448] | 19 1/2 [495] | 1400 [661] | 1600 [755] | 139/151 [63/68] |
| 4821*SN | 3/8 [9.53] | 7/8 [22.23] | 21 [533] | 50 1/2 [1282] | 19 1/2 [495] | 1400 [661] | 1600 [755] | 128/144 [56/65] |
| 4824*SN | 3/8 [9.53] | 7/8 [22.23] | 24 1/2 [622] | 55 1/2 [1410] | 23 [585] | 1600 [755] | — | 142/160 [64/72] |
| 6021*SN | 3/8 [9.53] | 7/8 [22.23] | 21 [533] | 57 [1448] | 19 1/2 [495] | 1600 [755] | 1725 [814] | 139/151 [63/68] |
| 6024*SN | 3/8 [9.53] | 7/8 [22.23] | 24 1/2 [622] | 55 1/2 [1410] | 23 [585] | — | 1800 [850] | 159/176 [72/80] |

*Maximum dehumidification airflow.

[] Designates Metric Conversions

Airflow Directional Data



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 Operating Limits

| Model Cabinet Width | 17 | | 17/21 | | 21 | | 24 | |
|---|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| Cooling BTUH x 1,000 Cooling Tons Nominal | -18 1.5 | -24 2 | -30 2.5 | -36 3 | -42 3.5 | -48 4 | -48 4 | -60 5 |
| Heat Pump or Air Conditioning Maximum Heat/Cool CFM [L/s] (37.5 CFM [18 L/s]/1,000 BTUH) (450 CFM [212 L/s]/Ton Nominal) | 675 [319] | 900 [425] | 1125 [531] | 1350 [637] | 1575 [743] | 1800 [850] | 1800 [850] | 1930 [911] |
| Heat Pump or Air Conditioning Nominal Heat/Cool CFM [L/s] (33.3 CFM [16 L/s]/1,000 BTUH) (400 CFM [189 L/s]/Ton Nominal) | 600 [283] | 800 [378] | 1000 [472] | 1200 [566] | 1400 [661] | 1600 [755] | 1600 [755] | 1800 [850] |
| Heat Pump or Air Conditioning Minimum Heat/Cool CFM [L/s] (30.0 CFM [14 L/s]/1,200 BTUH) (360 CFM [170 L/s]/Ton Nominal) | 540 [255] | 720 [340] | 900 [425] | 1080 [510] | 1260 [595] | 1440 [680] | 1440 [680] | 1620 [765] |
| Maximum kW Electric Heating & Minimum Electric Heat CFM [L/s] | 13 487 [230] | 13 617 [291] | 18 814 [384] | 18 1054 [497] | 20 1171 [553] | 25 1502 [709] | 25 1502 [709] | 30 1666 [786] |
| Maximum Electric Heat Rise °F [°C] | 80 [26.7] | 63 [17.2] | 66 [18.9] | 51 [10.6] | 49 [9.4] | 50 [10] | 50 [10] | 54 [12.2] |

[] Designates Metric Conversions

115V/208V/240V/460V Airflow Performance Data—FH***TTS (Constant Torque (ECM) Motor)

| Model No. FH***TTS | Tonnage Application | Motor Speed From Factory | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] # of Speed | Motor Speed | c | | | | | | | | | |
|------------------------------|---------------------|--------------------------|---|--------------------------------------|-------------|--|------------|------------|------------|------------|------------|------------|------------|---|---|
| | | | | | | 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] | | | |
| 2417 No Heat | 1.5 Ton | 5 | 683/485 [322/229 L/s] | 10x8 1/3 HP [249] 5 Speed | 2 | CFM | 837 [395] | 713 [366] | 608 [287] | 554 [261] | 485 [229] | — | — | | |
| | | | | | | RPM | 565 | 587 | 630 | 692 | 751 | — | — | | |
| | | | | | | Watts | 95 | 81 | 88 | 74 | 66 | — | — | | |
| | | | | | 3 | CFM | — | — | — | — | 683 [322] | 615 [290] | 572 [270] | — | — |
| | | | | | | RPM | — | — | — | — | 789 | 842 | 892 | — | — |
| | | | | | | Watts | — | — | — | — | 140 | 159 | 155 | — | — |
| 2417 with 13 kW Heater | 1.5 Ton | 5 | 683/485 [322/229 L/s] | 10x8 1/3 HP [249] 5 Speed | 2 | CFM | 814 [384] | 692 [326] | 589 [278] | 535 [252] | 467 [220] | — | — | | |
| | | | | | | RPM | 592 | 613 | 656 | 719 | 778 | — | — | | |
| | | | | | | Watts | 108 | 90 | 97 | 82 | 73 | — | — | | |
| | | | | | 3 | CFM | — | — | — | — | 808 [381] | 629 [297] | 584 [276] | — | — |
| | | | | | | RPM | — | — | — | — | 789 | 842 | 892 | — | — |
| | | | | | | Watts | — | — | — | — | 148 | 168 | 163 | — | — |
| 2417 No Heat | 2 Ton | 5 | 858/697 [405/329 L/s] | 10x8 1/3 HP [249] 5 Speed | 4 | CFM | 902 [426] | 846 [399] | 788 [372] | 742 [350] | 679 [320] | — | — | | |
| | | | | | | RPM | 596 | 645 | 694 | 741 | 791 | — | — | | |
| | | | | | | Watts | 105 | 108 | 116 | 121 | 130 | — | — | | |
| | | | | | 5 | CFM | — | — | — | — | 858 [276] | 816 [385] | 770 [363] | — | — |
| | | | | | | RPM | — | — | — | — | 834 | 879 | 925 | — | — |
| | | | | | | Watts | — | — | — | — | 185 | 182 | 214 | — | — |
| 2417 with 13 kW Heater | 2 Ton | 5 | 683/485 [322/229 L/s] | 10x8 1/3 HP [249] 5 Speed | 4 | CFM | 882 [416] | 827 [390] | 769 [363] | 723 [341] | 661 [312] | — | — | | |
| | | | | | | RPM | 595 | 670 | 719 | 767 | 817 | — | — | | |
| | | | | | | Watts | 113 | 125 | 124 | 129 | 197 | — | — | | |
| | | | | | 5 | CFM | — | — | — | — | 833 [393] | 791 [373] | 746 [352] | — | — |
| | | | | | | RPM | — | — | — | — | 852 | 898 | 944 | — | — |
| | | | | | | Watts | — | — | — | — | 192 | 189 | 222 | — | — |
| 3617 No Heater | 2.5 Ton | 5 | 935/1084 CFM [441/512 L/s] | 10x8 1/2 HP [373] 5 Speed | 2 | CFM | 1093 [516] | 1050 [496] | 1017 [480] | 977 [461] | 935 [441] | — | — | | |
| | | | | | | RPM | 671 | 725 | 764 | 809 | 852 | — | — | | |
| | | | | | | Watts | 153 | 168 | 174 | 180 | 188 | — | — | | |
| | | | | | 3 | CFM | — | — | — | — | 1084 [512] | 1040 [491] | 1001 [472] | — | — |
| | | | | | | RPM | — | — | — | — | 896 | 936 | 971 | — | — |
| | | | | | | Watts | — | — | — | — | 249 | 257 | 261 | — | — |
| 3617 with 18 kW Heater | 2.5 Ton | 5 | 910/1059 CFM [429/500 L/s] | 10x8 1/2 HP [373] 5 Speed | 2 | CFM | 1068 [504] | 1025 [484] | 992 [468] | 952 [449] | 910 [429] | — | — | | |
| | | | | | | RPM | 711 | 765 | 804 | 849 | 892 | — | — | | |
| | | | | | | Watts | 164 | 179 | 185 | 191 | 199 | — | — | | |
| | | | | | 3 | CFM | — | — | — | — | 1059 [500] | 1015 [479] | 976 [461] | — | — |
| | | | | | | RPM | — | — | — | — | 936 | 976 | 1011 | — | — |
| | | | | | | Watts | — | — | — | — | 260 | 268 | 272 | — | — |
| 3617 No Heater | 3 Ton | 5 | 1130/1275 CFM [533/602 L/s] | 10x8 1/2 HP [373] 5 Speed | 4 | CFM | 1270 [599] | 1237 [584] | 1199 [566] | 1165 [550] | 1130 [533] | — | — | | |
| | | | | | | RPM | 775 | 816 | 846 | 882 | 926 | — | — | | |
| | | | | | | Watts | 237 | 249 | 259 | 268 | 277 | — | — | | |
| | | | | | 5 | CFM | — | — | — | — | 1275 [602] | 1244 [587] | 1211 [571] | — | — |
| | | | | | | RPM | — | — | — | — | 963 | 999 | 1029 | — | — |
| | | | | | | Watts | — | — | — | — | 338 | 348 | 363 | — | — |
| 3617 with 18 kW Heater | 3 Ton | 5 | 1105/1250 CFM [521/590 L/s] | 10x8 1/2 HP [373] 5 Speed | 4 | CFM | 1245 [588] | 1212 [572] | 1174 [554] | 1140 [538] | 1105 [521] | — | — | | |
| | | | | | | RPM | 815 | 856 | 886 | 922 | 966 | — | — | | |
| | | | | | | Watts | 248 | 260 | 270 | 279 | 288 | — | — | | |
| | | | | | 5 | CFM | — | — | — | — | 1250 [590] | 1219 [575] | 1186 [560] | — | — |
| | | | | | | RPM | — | — | — | — | 1003 | 1039 | 1069 | — | — |
| | | | | | | Watts | — | — | — | — | 349 | 359 | 374 | — | — |

[] Designates Metric Conversions

115V/208V/240V/460V Airflow Performance Data— FH***TTS (Constant Torque (ECM) Motor) (con't.)

| Model No. FH***TTS | Tonnage Application | Motor Speed From Factory | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] # of Speed | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts (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] | |
| 3621 No Heater | 2.5 Ton | 5 | 854/1103 CFM [403/521 L/s] | 10x10 1/2 HP [373] 5 Speed | 2 | CFM | 1073 [506] | 1016 [479] | 963 [454] | 906 [428] | 854 [403] | — | — |
| | | | | | | RPM | 637 | 692 | 746 | 801 | 847 | — | — |
| | | | | | | Watts | 130 | 142 | 153 | 165 | 176 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1103 [521] | 1059 [500] | 1000 [472] |
| | | | | | | RPM | — | — | — | — | 917 | 957 | 1001 |
| | | | | | | Watts | — | — | — | — | 262 | 271 | 285 |
| 3621 with 18 kW Heater | 2.5 Ton | 5 | 828/1016 CFM [391/479 L/s] | 10x10 1/2 HP [373] 5 Speed | 2 | CFM | 1044 [493] | 988 [466] | 936 [442] | 880 [415] | 828 [391] | — | — |
| | | | | | | RPM | 678 | 734 | 791 | 844 | 883 | — | — |
| | | | | | | Watts | 141 | 155 | 158 | 171 | 182 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1016 [479] | 961 [454] | 904 [427] |
| | | | | | | RPM | — | — | — | — | 939 | 968 | 1015 |
| | | | | | | Watts | — | — | — | — | 233 | 243 | 265 |
| 3621 No Heater | 3 & 3.5 Ton | 5 | 1070/1288 CFM [505/608 L/s] | 10x10 1/2 HP [373] 5 Speed | 4 | CFM | 1264 [597] | 1223 [577] | 1171 [553] | 1112 [525] | 1070 [505] | — | — |
| | | | | | | RPM | 724 | 761 | 814 | 868 | 900 | — | — |
| | | | | | | Watts | 198 | 208 | 222 | 237 | 245 | — | — |
| | | | | | 5 | CFM | — | — | — | — | 1288 | 1244 | 1200 |
| | | | | | | RPM | — | — | — | — | 974 [608] | 1012 [587] | 1044 [566] |
| | | | | | | Watts | — | — | — | — | 345 | 362 | 371 |
| 3621 with 18 kW Heater | 3 & 3.5 Ton | 5 | 1042/1257 CFM [492/593 L/s] | 10x10 1/2 HP [373] 5 Speed | 4 | CFM | 1233 [582] | 1193 [563] | 1142 [539] | 1084 [512] | 1042 [492] | — | — |
| | | | | | | RPM | 759 | 794 | 845 | 915 | 933 | — | — |
| | | | | | | Watts | 219 | 215 | 227 | 251 | 261 | — | — |
| | | | | | 5 | CFM | — | — | — | — | 1257 [593] | 1213 [572] | 1169 [552] |
| | | | | | | RPM | — | — | — | — | 1020 | 1023 | 1054 |
| | | | | | | Watts | — | — | — | — | 355 | 368 | 376 |

Notes: Constant Torque motor speed changes.

All Constant Torque motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (low static) and Speed tab 3 (high static) are for lower tonnage. Speed tab 4 (low static) and Speed tab 5 (high static) are for higher tonnage.

Constant Torque air handlers are always shipped from factory at Speed tab 5, except for -4824, which is set at Speed tab 3. For instance, (-)H1T-HM2417JA is always shipped at high static 2-ton airflow (Speed tab 5). To change to 1.5-ton airflow, move the blue wire to Speed tab 2 or 3 on the Constant Torque motor.

The low static Speed tab 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static Speed tab 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate Speed tab as required by the application needs.

- The airflow for continuous fan (Speed tab 1) is always set at 50% of the Speed tab 4.
- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
 Approximate Airflow = Airflow without heater – (Airflow without heater – Airflow with maximum heater) x (N kW/maximum heater kW)

[] Designates Metric Conversions

115V/208V/240V/460V Airflow Performance Data— FH***TTS (Constant Torque (ECM) Motor) (con't.)

| Model No. FH***TTS | Tonnage Application | Motor Speed From Factory | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] # of Speed | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts (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] | |
| 4821 No Heater | 3.5 Ton | 5 | 1337/1447 CFM [631/683 L/s] | 10x10 3/4 HP [559] 5 Speed | 2 | CFM | 1473 [695] | 1442 [681] | 1401 [661] | 1373 [648] | 1337 [631] | — | — |
| | | | | | | RPM | 781 | 825 | 867 | 905 | 949 | — | — |
| | | | | | | Watts | 257 | 271 | 303 | 307 | 315 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1447 [683] | 1433 [676] | 1402 [662] |
| | | | | | | RPM | — | — | — | — | 987 | 1034 | 1065 |
| | | | | | | Watts | — | — | — | — | 394 | 406 | 405 |
| 4821 with 20 kW Heater | 3.5 Ton | 5 | 1297/1333 CFM [612/629 L/s] | 10x10 3/4 HP [559] 5 Speed | 2 | CFM | 1433 [676] | 1402 [662] | 1361 [642] | 1333 [629] | 1297 [612] | — | — |
| | | | | | | RPM | 831 | 875 | 919 | 954 | 989 | — | — |
| | | | | | | Watts | 277 | 295 | 313 | 319 | 325 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1333 [629] | 1300 [613] | 1267 [598] |
| | | | | | | RPM | — | — | — | — | 1011 | 1046 | 1080 |
| | | | | | | Watts | — | — | — | — | 350 | 364 | 377 |
| 4821 No Heater | 4 Ton | 5 | 1535/1654 CFM [724/781 L/s] | 10x10 3/4 HP [559] 5 Speed | 4 | CFM | 1665 [786] | 1631 [770] | 1601 [756] | 1572 [742] | 1535 [724] | — | — |
| | | | | | | RPM | 853 | 893 | 934 | 968 | 1015 | — | — |
| | | | | | | Watts | 351 | 387 | 401 | 406 | 422 | — | — |
| | | | | | 5 | CFM | — | — | — | — | 1654 [781] | 1624 [766] | 1563 [738] |
| | | | | | | RPM | — | — | — | — | 1036 | 1078 | 1095 |
| | | | | | | Watts | — | — | — | — | 500 | 513 | 523 |
| 4821 with 25 kW Heater | 4 Ton | 5 | 1495/1614 CFM [706/762 L/s] | 10x10 3/4 HP [559] 5 Speed | 4 | CFM | 1625 [767] | 1591 [751] | 1561 [737] | 1532 [723] | 1495 [706] | — | — |
| | | | | | | RPM | 894 | 932 | 970 | 1020 | 1052 | — | — |
| | | | | | | Watts | 389 | 400 | 410 | 430 | 450 | — | — |
| | | | | | 5 | CFM | — | — | — | — | 1614 [762] | 1584 [748] | 1523 [719] |
| | | | | | | RPM | — | — | — | — | 1085 | 1090 | 1105 |
| | | | | | | Watts | — | — | — | — | 514 | 520 | 530 |
| 4824 No Heater | 4 Ton | 3 | 1545/1732 CFM [729/817 L/s] | 11x11 3/4 HP [559] 5 Speed | 2 | CFM | 1748 [825] | 1669 [788] | 1639 [773] | 1599 [755] | 1545 [729] | — | — |
| | | | | | | RPM | 660 | 698 | 734 | 762 | 795 | — | — |
| | | | | | | Watts | 297 | 311 | 326 | 340 | 353 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1732 [817] | 1683 [794] | 1630 [769] |
| | | | | | | RPM | — | — | — | — | 840 | 872 | 899 |
| | | | | | | Watts | — | — | — | — | 448 | 467 | 480 |
| 4824 with 25 kW Heater | 4 Ton | 3 | 1505/1692 CFM [710/798 L/s] | 11x11 3/4 HP [559] 5 Speed | 2 | CFM | 1708 [806] | 1629 [769] | 1599 [755] | 1559 [736] | 1505 [710] | — | — |
| | | | | | | RPM | 680 | 736 | 760 | 790 | 820 | — | — |
| | | | | | | Watts | 305 | 330 | 341 | 350 | 361 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1692 [798] | 1643 [775] | 1590 [750] |
| | | | | | | RPM | — | — | — | — | 865 | 890 | 1014 |
| | | | | | | Watts | — | — | — | — | 460 | 470 | 481 |
| 6024 No Heater | 5 Ton | 5 | 1739/1905 CFM [821/899 L/s] | 11x11 3/4 HP [559] 5 Speed | 4 | CFM | 1902 [898] | 1862 [879] | 1809 [854] | 1781 [840] | 1739 [821] | — | — |
| | | | | | | RPM | 712 | 749 | 787 | 815 | 856 | — | — |
| | | | | | | Watts | 389 | 409 | 419 | 432 | 459 | — | — |
| | | | | | 5 | CFM | — | — | — | — | 1905 [899] | 1866 [881] | 1832 [865] |
| | | | | | | RPM | — | — | — | — | 894 | 924 | 950 |
| | | | | | | Watts | — | — | — | — | 565 | 570 | 592 |
| 6024 with 30 kW Heater | 5 Ton | 5 | 1699/1865 CFM [802/880 L/s] | 11x11 3/4 HP [559] 5 Speed | 4 | CFM | 1862 [879] | 1822 [860] | 1769 [835] | 1741 [822] | 1699 [802] | — | — |
| | | | | | | RPM | 750 | 790 | 810 | 850 | 880 | — | — |
| | | | | | | Watts | 410 | 420 | 430 | 455 | 479 | — | — |
| | | | | | 5 | CFM | — | — | — | — | 1865 [880] | 1826 [862] | 1792 [846] |
| | | | | | | RPM | — | — | — | — | 920 | 945 | 970 |
| | | | | | | Watts | — | — | — | — | 565 | 587 | 610 |

[] Designates Metric Conversions

115V/208V/240V/460V Airflow Performance Data— FH***TTS (Constant Torque (ECM) Motor) (con't.)

| Model No. FH***TTS | Tonnage Application | Motor Speed From Factory | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] # of Speed | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts (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] | |
| 6024 No Heater | 4 & 5 Ton | 5 | 1517/1699 CFM [716/801 L/s] | 11x11 3/4 HP [559] 5 Speed | 2 | CFM | 1705 [800] | 1661 [703] | 1632 [770] | 1572 [741] | 1517 [915] | — | — |
| | | | | | | RPM | 663 | 701 | 741 | 782 | 819 | — | — |
| | | | | | | Watts | 292 | 309 | 321 | 343 | 357 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1697 [801] | 1646 [777] | 1601 [756] |
| | | | | | | RPM | — | — | — | — | 857 | 895 | 920 |
| | | | | | | Watts | — | — | — | — | 447 | 466 | 920 |
| 6024 with 30 kW Heater | 4 & 5 Ton | 5 | 1482/1661 CFM [700/784 L/s] | 11x11 3/4 HP [559] 5 Speed | 2 | CFM | 1669 [788] | 1625 [767] | 1596 [753] | 1537 [725] | 1482 [700] | — | — |
| | | | | | | RPM | 698 | 739 | 763 | 816 | 842 | — | — |
| | | | | | | Watts | 308 | 317 | 329 | 361 | 373 | — | — |
| | | | | | 3 | CFM | — | — | — | — | 1661 [784] | 1611 [760] | 1566 [739] |
| | | | | | | RPM | — | — | — | — | 882 | 915 | 939 |
| | | | | | | Watts | — | — | — | — | 447 | 480 | 487 |

- Notes:
- All 208/240V PSC motors have voltage taps for 208 and 240 volts.
 - All 208/240V PSC motors are shipped on high speed and 240 volts.
 - If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
 - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
 - Replace the cap on the black motor wire.
 - Voltage change (208/240V motors):
 - Move the orange lead to transformer 208V tap from 240V tap. Replace the wire cap on 240V tap.
 - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
 - Replace the cap on the purple motor wire.
 - The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
 - The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
 Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[] Designates Metric Conversions

115V/208V/240V/480V Airflow Performance Data— FH***TTS (Constant Torque (ECM) Motor) (con't.)

| Model No. FH***TTS | Nominal Cooling Capacity Tons | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] # of Speed | Motor Speed From Factory | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts (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] | |
| 3621 No Heat | 2.5 | | 10x10 1/2 HP [373] 2 Speed dual voltage | 5 | 3 | CFM | 1305 | 1251 | 1205 | 1154 | 1101 | 1046 | 995 |
| | | | | | | RPM | 668 | 727 | 752 | 797 | 832 | 888 | 914 |
| | | | | | | Watts | 193 | 187 | 183 | 208 | 210 | 213 | 247 |
| | | | | | 2 | CFM | 1249 | 1193 | 1138 | 1082 | 1026 | 970 | 914 |
| | | | | | | RPM | 732 | 780 | 828 | 877 | 925 | 973 | 1021 |
| | | | | | | Watts | 114 | 123 | 133 | 142 | 151 | 161 | 170 |
| 3621 18 Kw Heat | 2.5 | | 10x10 1/2 Hp [373] 2 Speed dual voltage | 5 | 3 | CFM | 1280 | 1228 | 1176 | 1124 | 1072 | 1020 | 968 |
| | | | | | | RPM | 695 | 736 | 777 | 817 | 858 | 899 | 939 |
| | | | | | | Watts | 189 | 191 | 197 | 208 | 223 | 243 | 267 |
| | | | | | 2 | CFM | 1221 | 1166 | 1110 | 1054 | 998 | 942 | 886 |
| | | | | | | RPM | 756 | 804 | 853 | 901 | 949 | 997 | 1045 |
| | | | | | | Watts | 119 | 128 | 137 | 147 | 156 | 165 | 175 |
| 3621 No Heat | 3 | | 10x10 1/2 Hp [373] 2 Speed dual voltage | 5 | 4 | CFM | 1468 | 1421 | 1377 | 1332 | 1285 | 1240 | 1192 |
| | | | | | | RPM | 739 | 773 | 822 | 863 | 901 | 937 | 974 |
| | | | | | | Watts | 238 | 268 | 276 | 307 | 313 | 302 | 297 |
| | | | | | 5 | CFM | 1272 | 1220 | 1174 | 1124 | 1067 | 1016 | 961 |
| | | | | | | RPM | 658 | 706 | 753 | 797 | 838 | 877 | 925 |
| | | | | | | Watts | 180 | 189 | 189 | 190 | 225 | 202 | 246 |
| 3621 18 Kw Heat | 3 | | 10x10 1/2 Hp [373] 2 Speed dual voltage | 5 | 5 | CFM | 1445 | 1399 | 1354 | 1308 | 1262 | 1216 | 1170 |
| | | | | | | RPM | 759 | 799 | 839 | 878 | 918 | 958 | 997 |
| | | | | | | Watts | 252 | 277 | 295 | 305 | 308 | 303 | 290 |
| | | | | | 4 | CFM | 1249 | 1197 | 1145 | 1093 | 1042 | 990 | 938 |
| | | | | | | RPM | 684 | 728 | 772 | 816 | 859 | 903 | 947 |
| | | | | | | Watts | 183 | 186 | 192 | 202 | 214 | 230 | 248 |
| 4821 No Heat | 3.5 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 3 | CFM | 1590 | 1546 | 1512 | 1476 | 1443 | 1412 | 1378 |
| | | | | | | RPM | 831 | 878 | 909 | 953 | 982 | 1012 | 1049 |
| | | | | | | Watts | 377 | 373 | 379 | 390 | 406 | 420 | 427 |
| | | | | | 2 | CFM | 1489 | 1441 | 1401 | 1359 | 1316 | 1278 | 1231 |
| | | | | | | RPM | 750 | 801 | 843 | 882 | 904 | 943 | 985 |
| | | | | | | Watts | 244 | 270 | 282 | 277 | 288 | 288 | 290 |
| 4821 20 Kw Heat | 3.5 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 3 | CFM | 1567 | 1532 | 1497 | 1462 | 1427 | 1393 | 1358 |
| | | | | | | RPM | 856 | 892 | 927 | 963 | 998 | 1034 | 1069 |
| | | | | | | Watts | 374 | 379 | 386 | 396 | 408 | 423 | 440 |
| | | | | | 2 | CFM | 1465 | 1423 | 1381 | 1338 | 1296 | 1254 | 1212 |
| | | | | | | RPM | 779 | 816 | 854 | 891 | 929 | 967 | 1004 |
| | | | | | | Watts | 257 | 270 | 281 | 287 | 290 | 289 | 285 |
| 4821 No Heat | 4 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 5 | CFM | 1803 | 1760 | 1217 | 1683 | 1648 | 1612 | 1576 |
| | | | | | | RPM | 886 | 919 | 952 | 988 | 1019 | 1053 | 1088 |
| | | | | | | Watts | 437 | 430 | 451 | 487 | 489 | 505 | 481 |
| | | | | | 4 | CFM | 1681 | 1641 | 1598 | 1564 | 1528 | 1494 | 1452 |
| | | | | | | RPM | 825 | 855 | 907 | 940 | 956 | 1010 | 1045 |
| | | | | | | Watts | 338 | 358 | 388 | 397 | 388 | 422 | 434 |

[] Designates Metric Conversions

115V/208V/240V/480V Airflow Performance Data— FH***TTS (Constant Torque (ECM) Motor) (con't.)

| Model No. FH***TTS | Nonimal Cooling Capacity Tons | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] # of Speed | Motor Speed From Factory | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts (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] | |
| 4821 20 Kw Heat | 4 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 5 | CFM | 1779 | 1742 | 1704 | 1667 | 1630 | 1592 | 1555 |
| | | | | | | RPM | 903 | 936 | 970 | 1003 | 1037 | 1070 | 1104 |
| | | | | | | Watts | 440 | 451 | 463 | 474 | 486 | 497 | 509 |
| | | | | | 4 | CFM | 1659 | 1621 | 1584 | 1546 | 1509 | 1471 | 1434 |
| | | | | | | RPM | 843 | 879 | 916 | 952 | 988 | 1025 | 1061 |
| | | | | | | Watts | 352 | 367 | 382 | 397 | 412 | 427 | 442 |
| 6021 No Heat | 4 & 5 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 3 | CFM | 1841 | 1798 | 1758 | 1728 | 1699 | 1660 | 1629 |
| | | | | | | RPM | 898 | 930 | 967 | 997 | 1027 | 1057 | 1092 |
| | | | | | | Watts | 469 | 470 | 484 | 490 | 498 | 512 | 531 |
| | | | | | 2 | CFM | 1716 | 1669 | 1631 | 1594 | 1555 | 1522 | 1483 |
| | | | | | | RPM | 861 | 887 | 911 | 948 | 984 | 1015 | 1050 |
| | | | | | | Watts | 359 | 375 | 379 | 397 | 427 | 419 | 427 |
| 6021 30 Kw Heat | 4 & 5 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 3 | CFM | 1817 | 1783 | 1748 | 1713 | 1679 | 1644 | 1609 |
| | | | | | | RPM | 915 | 947 | 979 | 1011 | 1043 | 1076 | 1108 |
| | | | | | | Watts | 470 | 476 | 484 | 494 | 507 | 521 | 538 |
| | | | | | 2 | CFM | 1691 | 1653 | 1615 | 1577 | 1538 | 1500 | 1462 |
| | | | | | | RPM | 871 | 903 | 935 | 967 | 999 | 1031 | 1063 |
| | | | | | | Watts | 367 | 379 | 392 | 404 | 416 | 428 | 440 |
| 6021 No Heat | 5 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 5 | CFM | 2042 | 2003 | 1968 | 1931 | 1903 | 1868 | 1835 |
| | | | | | | RPM | 962 | 994 | 1043 | 1050 | 1102 | 1135 | 1159 |
| | | | | | | Watts | 612 | 632 | 616 | 649 | 673 | 657 | 711 |
| | | | | | 4 | CFM | 1886 | 1849 | 1809 | 1776 | 1741 | 1704 | 1677 |
| | | | | | | RPM | 917 | 948 | 981 | 1012 | 1047 | 1076 | 1108 |
| | | | | | | Watts | 491 | 501 | 509 | 525 | 540 | 560 | 569 |
| 6021 30 Kw Heat | 5 | | 10x10 3/4 Hp [559] 2 Speed dual voltage | 5 | 5 | CFM | 2021 | 1987 | 1953 | 1918 | 1884 | 1850 | 1816 |
| | | | | | | RPM | 980 | 1014 | 1047 | 1080 | 1113 | 1147 | 1180 |
| | | | | | | Watts | 618 | 625 | 636 | 650 | 668 | 690 | 715 |
| | | | | | 4 | CFM | 2004 | 1970 | 1936 | 1901 | 1867 | 1833 | 1799 |
| | | | | | | RPM | 997 | 1030 | 1064 | 1097 | 1130 | 1163 | 1196 |
| | | | | | | Watts | 617 | 633 | 649 | 666 | 682 | 698 | 714 |

[] Designates Metric Conversions

Electrical Data – Blower Motor Only – No Electric Heat FH***TTS

| Model FH***TTS | Voltage | Application Phase* | Hertz | HP [W] | RPM | Speeds | Circuit Amps. | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
|-------------------|---------|-----------------------|-------|-----------|----------|--------|------------------|--------------------------------|--------------------------------------|
| 2417 | 115 | 1 | 60 | 1/3 [249] | 300-1100 | 4 | 4.8 | 6 | 15 |
| 3617/3621/3621 | | | | 1/2 [373] | 300-1100 | 4 | 6.8 | 9 | 15 |
| 4821/4821/4824 | | | | 3/4 [559] | 300-1100 | 4 | 9.3 | 12 | 15 |
| 6021/6024 | | | | 3/4 [559] | 300-1100 | 4 | 9.3 | 12 | 15 |
| 2417 | 208/240 | 1 & 3 | 60 | 1/3 [249] | 300-1100 | 4 | 1.6 | 2 | 15 |
| 3617/3621/3621 | | | | 1/2 [373] | 300-1100 | 4 | 2.8 | 4 | 15 |
| 4821/4821 | | | | 3/4 [559] | 300-1100 | 4 | 4.0 | 5 | 15 |
| 6021/6024/4824 | | | | 3/4 [559] | 300-1100 | 4 | 4.6 | 6 | 15 |
| 3617 | 480 | 3 | 60 | 1/2 [373] | 300-1100 | 4 | 2.1 | 4.0 | 15 |
| 4821/4824 | | | | 3/4 [559] | 300-1100 | 4 | 3.2 | 4.0 | 15 |
| 6021/6024 | | | | 3/4 [559] | 300-1100 | 4 | 3.2 | 4.0 | 15 |

* Blower motors are all single phase motors.

[] Designates Metric Conversions

Electrical Data – With Electric Heat FH***TTS

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 FH***TTS | Heater Model No. | Heater kW (208/240V) (480V) | PH/HZ | No. Elements kW Per | Type Supply Circuit Single Circuit Multiple | Heater Amps. | Motor Amps. | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
|----------------------------|------------------|-----------------------------|--------|---------------------|---|--------------|-------------|--------------------------|--------------------------------|
| 2417 | RXBH-17?03J | 2.25/3.0 | 1/60 | 1-3.0 | SINGLE | 10.8/12.5 | 1.6 | 16/18 | 20/20 |
| | RXBH-1724?03J | 2.25/3.0 | 1/60 | 1-3.0 | SINGLE | 10.8/12.5 | 1.6 | 16/18 | 20/20 |
| | RXBH-1724?05J | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.3/20.0 | 1.6 | 24/27 | 25/30 |
| | RXBH-1724?07J | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26.0/30.0 | 1.6 | 35/40 | 35/40 |
| | RXBH-1724?10J | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.6/40.0 | 1.6 | 46/52 | 50/60 |
| | RXBH-1724A13J | 9.4/12.5 | 1/60 | 3-4.17 | SINGLE | 45.1/52.1 | 1.6 | 59/68 | 60/70 |
| | RXBH-1724A13J | 3.1/4.2 | 1/60 | 1-4.17 | MULTIPLE CKT 1 | 15.0/17.4 | 1.6 | 21/24 | 25/25 |
| | | 6.3/8.3 | 1/60 | 2-4.17 | MULTIPLE CKT 2 | 30.1/34.7 | 0 | 38/44 | 40/45 |
| | RXBH-1724A07C | 5.4/7.2 | 3/60 | 3-2.4 | SINGLE | 15.0/17.3 | 1.6 | 21/24 | 25/25 |
| | RXBH-1724A10C | 7.2/9.6 | 3/60 | 3-3.2 | SINGLE | 20.0/23.1 | 1.6 | 27/31 | 30/35 |
| RXBH-1724A13C | 9.4/12.5 | 3/60 | 3-4.17 | SINGLE | 26.1/30.1 | 1.6 | 35/40 | 35/40 | |
| 3617 | RXBH-17?03J | 2.25/3.0 | 1/60 | 1-3.0 | SINGLE | 10.8/12.5 | 2.8 | 17/20 | 20/20 |
| 3617 3621 3621 | RXBH-1724?03J | 2.25/3.0 | 1/60 | 1-3.0 | SINGLE | 10.8/12.5 | 2.8 | 17/20 | 20/20 |
| | RXBH-1724?05J | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.3/20.0 | 2.8 | 26/29 | 30/30 |
| | RXBH-1724?07J | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26.0/30.0 | 2.8 | 36/41 | 40/45 |
| | RXBH-1724?10J | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.6/40.0 | 2.8 | 47/54 | 50/60 |
| | 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 | 15.0/17.4 | 2.8 | 23/26 | 25/30 |
| | | 6.3/8.3 | 1/60 | 2-4.17 | MULTIPLE CKT 2 | 30.1/34.7 | 0 | 38/44 | 40/45 |
| | RXBH-1724A15J | 10.8/14.4 | 1/60 | 3-4.8 | SINGLE | 51.9/60.0 | 2.8 | 69/79 | 70/80 |
| | RXBH-1724A15J | 3.6/4.8 | 1/60 | 1-4.8 | MULTIPLE CKT 1 | 17.3/20.0 | 2.8 | 26/29 | 30/30 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.6/40.0 | 0 | 44/50 | 45/50 |
| | RXBH-1724A18J | 12.8/17.0 | 1/60 | 3-5.68 | SINGLE | 61.6/70.8 | 2.8 | 81/92 | 90/100 |
| | RXBH-1724A18J | 4.3/5.7 | 1/60 | 1-5.68 | MULTIPLE CKT 1 | 20.5/23.6 | 2.8 | 30/33 | 30/35 |
| | | 8.5/11.3 | 1/60 | 2-5.68 | MULTIPLE CKT 2 | 41.1/47.2 | 0 | 52/59 | 60/60 |
| | RXBH-1724A07C | 5.4/7.2 | 3/60 | 3-2.4 | SINGLE | 15.0/17.3 | 2.8 | 23/26 | 25/30 |
| | RXBH-1724A10C | 7.2/9.6 | 3/60 | 3-3.2 | SINGLE | 20.0/23.1 | 2.8 | 29/33 | 30/35 |
| | RXBH-1724A13C | 9.4/12.5 | 3/60 | 3-4.17 | SINGLE | 26.1/30.1 | 2.8 | 37/42 | 40/45 |
| | RXBH-1724A15C | 10.8/14.4 | 3/60 | 3-4.8 | SINGLE | 30.0/34.6 | 2.8 | 41/47 | 45/50 |
| RXBH-1724A18C | 12.8/17.0 | 3/60 | 3-5.68 | SINGLE | 35.5/41.0 | 2.8 | 48/55 | 50/60 | |
| 3617 | RXBH-17A07D | 7.2 | 3/60 | 3-2.4 | SINGLE | 8.7 | 2.1 | 14 | 15 |
| | RXBH-17A10D | 9.6 | 3/60 | 3-3.2 | SINGLE | 11.6 | 2.1 | 18 | 20 |
| | RXBH-17A15D | 14.4 | 3/60 | 3-4.8 | SINGLE | 17.3 | 2.1 | 25 | 25 |
| | RXBH-17A18D | 17.0 | 3/60 | 3-5.68 | SINGLE | 20.4 | 2.1 | 29 | 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 FH***TTS (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 FH***TTS | Heater Model No. | Heater kW (208/240V) (480V) | PH/HZ | No. Elements kW Per | Type Supply Circuit Single Circuit Multiple | Heater Amps. | Motor Amps. | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
|----------------------------|------------------|-----------------------------|-------|---------------------|---|--------------|-------------|--------------------------|--------------------------------|
| 4821 4821 | RXBH-1724?05J | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.3/20.0 | 4.0 | 27/30 | 30/30 |
| | RXBH-1724?07J | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26.0/30.0 | 4.0 | 38/43 | 40/45 |
| | RXBH-1724?10J | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.6/40.0 | 4.0 | 49/55 | 50/60 |
| | RXBH-1724A15J | 10.8/14.4 | 1/60 | 3-4.8 | SINGLE | 51.9/60.0 | 4.0 | 70/80 | 70/80 |
| | RXBH-1724A15J | 3.6/4.8 | 1/60 | 1-4.8 | MULTIPLE CKT 1 | 17.3/20.0 | 4.0 | 27/30 | 30/30 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.6/40.0 | 0.0 | 44/50 | 45/50 |
| | RXBH-1724A18J | 12.8/17.0 | 1/60 | 3-5.68 | SINGLE | 61.6/70.8 | 4.0 | 82/94 | 90/100 |
| | RXBJ-1724A18J | 4.3/5.7 | 1/60 | 1-5.68 | MULTIPLE CKT 1 | 20.5/23.6 | 4.0 | 31/35 | 30/35 |
| | | 8.5/11.3 | 1/60 | 2-5.68 | 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 | 4.0 | 92/105 | 100/110 |
| | RXBH-24A20J | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.6/40.0 | 4.0 | 49/55 | 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 | 4.0 | 113/130 | 125/150 |
| | RXBH-24A25J | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 1 | 28.8/33.3 | 4.0 | 41/47 | 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-1724A07C | 5.4/7.2 | 3/60 | 3-2.4 | SINGLE | 15.0/17.3 | 4.0 | 24/27 | 25/30 |
| | RXBH-1724A10C | 7.2/9.6 | 3/60 | 3-3.2 | SINGLE | 20.0/23.1 | 4.0 | 30/34 | 30/35 |
| | RXBH-1724A15C | 10.8/14.4 | 3/60 | 3-4.8 | SINGLE | 30.0/34.6 | 4.0 | 43/49 | 45/50 |
| | RXBH-1724A18C | 12.8/17.0 | 3/60 | 3-5.68 | SINGLE | 35.6/41.0 | 4.0 | 50/57 | 50/60 |
| | RXBH-24A20C* | 14.4/19.2 | 3/60 | 6-3.2 | SINGLE | 40.0/46.2 | 4.0 | 55/63 | 60/70 |
| | RXBH-24A20C | 7.2/9.6 | 3/60 | 3-3.2 | MULTIPLE CKT 1 | 20.0/23.1 | 4.0 | 30/34 | 30/35 |
| | | 7.2/9.6 | 3/60 | 3-3.2 | MULTIPLE CKT 2 | 20.0/23.1 | 0.0 | 25/29 | 25/30 |
| | RXBH-24A25C* | 18.0/24.0 | 3/60 | 6-4.0 | SINGLE | 50.0/57.8 | 4.0 | 68/77 | 70/80 |
| | RXBH-24A25C | 9.0/12.0 | 3/60 | 3-4.0 | MULTIPLE CKT 1 | 25.0/28.9 | 4.0 | 37/42 | 40/45 |
| | | 9.0/12.0 | 3/60 | 3-4.0 | MULTIPLE CKT 2 | 25.0/28.9 | 0.0 | 32/37 | 35/40 |
| | RXBH-24A07D | 7.2 | 3/60 | 3-2.4 | SINGLE | 8.7 | 3.2 | 15 | 15 |
| | RXBH-24A10D | 9.6 | 3/60 | 3-3.2 | SINGLE | 11.6 | 3.2 | 19 | 20 |
| | RXBH-24A15D | 14.4 | 3/60 | 3-4.8 | SINGLE | 17.3 | 3.2 | 26 | 30 |
| | RXBH-24A18D | 17.0 | 3/60 | 6-2.84 | SINGLE | 20.4 | 3.2 | 30 | 30 |
| RXBH-24A20D | 19.2 | 3/60 | 6-3.2 | SINGLE | 23.2 | 3.2 | 33 | 35 | |
| RXBH-24A25D | 24.0 | 3/60 | 6-4.0 | SINGLE | 28.8 | 3.2 | 40 | 40 | |

- 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 FH***TTS (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 FH***TTS | Heater Model No. | Heater kW (208/240V) (480V) | PH/HZ | No. Elements kW Per | Type Supply Circuit Single Circuit Multiple | Heater Amps. | Motor Amps. | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
|----------------------------|--------------------------|-----------------------------|--------|---------------------|---|--------------|-------------|--------------------------|--------------------------------|
| 4824 6021 6024 | RXBH-1724?05J | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.3/20.0 | 4.6 | 28/31 | 30/35 |
| | RXBH-1724?07J | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26.0/30.0 | 4.6 | 39/44 | 40/45 |
| | RXBH-1724?10J | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.6/40.0 | 4.6 | 49/56 | 50/60 |
| | RXBH-1724A15J | 10.8/14.4 | 1/60 | 3-4.8 | SINGLE | 51.9/60.0 | 4.6 | 71/81 | 80/90 |
| | RXBH-1724A15J | 3.6/4.8 | 1/60 | 1-4.8 | MULTIPLE CKT 1 | 17.3/20.0 | 4.6 | 28/31 | 30/35 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.6/40.0 | 0 | 44/50 | 45/50 |
| | RXBH-1724A18J | 12.8/17 | 1/60 | 3-5.68 | SINGLE | 61.6/70.8 | 4.6 | 83/95 | 90/100 |
| | RXBH-1724A18J | 4.3/5.7 | 1/60 | 1-5.68 | MULTIPLE CKT 1 | 20.5/23.6 | 4.6 | 32/36 | 35/40 |
| | | 8.5/11.3 | 1/60 | 2-5.68 | MULTIPLE CKT 2 | 41.1/47.2 | 0 | 52/59 | 60/60 |
| | RXBH-24A20J | 14.4/19.2 | 1/60 | 4-4.8 | SINGLE | 69.2/80 | 4.6 | 93/106 | 100/110 |
| | RXBH-24A20J | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.6/40.0 | 4.6 | 49/56 | 50/60 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.6/40.0 | 0 | 44/50 | 45/50 |
| | RXBH-24A25J | 18.0/24.0 | 1/60 | 6-4.0 | SINGLE | 86.4/99.9 | 4.6 | 114/131 | 125/150 |
| | RXBH-24A25J | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 1 | 28.8/33.3 | 4.6 | 42/48 | 45/50 |
| | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 2 | 28.8/33.3 | 0 | 36/42 | 40/45 |
| | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE | 28.8/33.3 | 0 | 36/42 | 40/45 |
| | RXBH-24A30J | 21.6/28.8 | 1/60 | 6-4.8 | SINGLE | 103.8/120. | 4.6 | 136/156 | 150/175 |
| | RXBH-24A30J (6024S only) | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.6/40.0 | 4.6 | 49/56 | 50/60 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.6/40.0 | 0 | 44/50 | 45/50 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 3 | 34.6/40.0 | 0 | 44/50 | 45/50 |
| | RXBH-1724A07C | 5.4/7.2 | 3/60 | 3-2.4 | SINGLE | 15.0/17.3 | 4.6 | 25/28 | 25/30 |
| | RXBH-1724A10C | 7.2/9.6 | 3/60 | 3-3.2 | SINGLE | 20.0/23.1 | 4.6 | 31/35 | 35/35 |
| | RXBH-1724A15C | 10.8/14.4 | 3/60 | 3-4.8 | SINGLE | 30.0/34.6 | 4.6 | 44/49 | 45/50 |
| | RXBH-1724A18C | 12.8/17.0 | 3/60 | 3-5.08 | SINGLE | 35.6/41.0 | 4.6 | 51/57 | 60/60 |
| | RXBH-24A20C* | 14.4/19.2 | 3/60 | 6-3.2 | SINGLE | 40.0/46.2 | 4.6 | 56/64 | 60/70 |
| | RXBH-24A20C | 7.2/9.6 | 3/60 | 3-3.2 | MULTIPLE CKT 1 | 20.0/23.1 | 4.6 | 31/35 | 35/35 |
| | | 7.2/9.6 | 3/60 | 3-3.2 | MULTIPLE CKT 2 | 20.0/23.1 | 0 | 25/29 | 25/30 |
| | RXBH-24A25C* | 18.0/24.0 | 3/60 | 6-4.0 | SINGLE | 50.0/57.8 | 4.6 | 69/78 | 70/80 |
| | RXBH-24A25C | 9.0/12.0 | 3/60 | 3-4.0 | MULTIPLE CKT 1 | 25.0/28.9 | 4.6 | 37/42 | 40/45 |
| | | 9.0/12.0 | 3/60 | 3-4.0 | MULTIPLE CKT 2 | 25.0/28.9 | 0 | 32/37 | 35/40 |
| | RXBH-24A30C* | 21.6/28.8 | 3/60 | 6-4.8 | SINGLE | 60.0/69.4 | 4.6 | 81/93 | 90/100 |
| | RXBH-24A30C (6024S only) | 10.8/14.4 | 3/60 | 3-4.8 | MULTIPLE CKT 1 | 30.0/34.7 | 4.6 | 44/50 | 45/50 |
| 10.8/14.4 | | 3/60 | 3-4.8 | MULTIPLE CKT 2 | 30.0/34.7 | 0 | 38/44 | 40/45 | |
| RXBH-24A07D | 7.2 | 3/60 | 3-2.4 | SINGLE | 8.7 | 3.2 | 15 | 15 | |
| RXBH-24A10D | 9.6 | 3/60 | 3-3.2 | SINGLE | 11.6 | 3.2 | 19 | 20 | |
| RXBH-24A15D | 14.4 | 3/60 | 3-4.8 | SINGLE | 17.3 | 3.2 | 26 | 30 | |
| RXBH-24A18D | 17.0 | 3/60 | 6-2.84 | SINGLE | 20.4 | 3.2 | 30 | 30 | |
| RXBH-24A20D | 19.2 | 3/60 | 6-3.2 | SINGLE | 23.2 | 3.2 | 33 | 35 | |
| RXBH-24A25D | 24.0 | 3/60 | 6-4.0 | SINGLE | 28.8 | 3.2 | 40 | 40 | |
| RXBH-24A30D (6024S only) | 28.8 | 3/60 | 6-4.8 | SINGLE | 34.6 | 3.2 | 48 | 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-

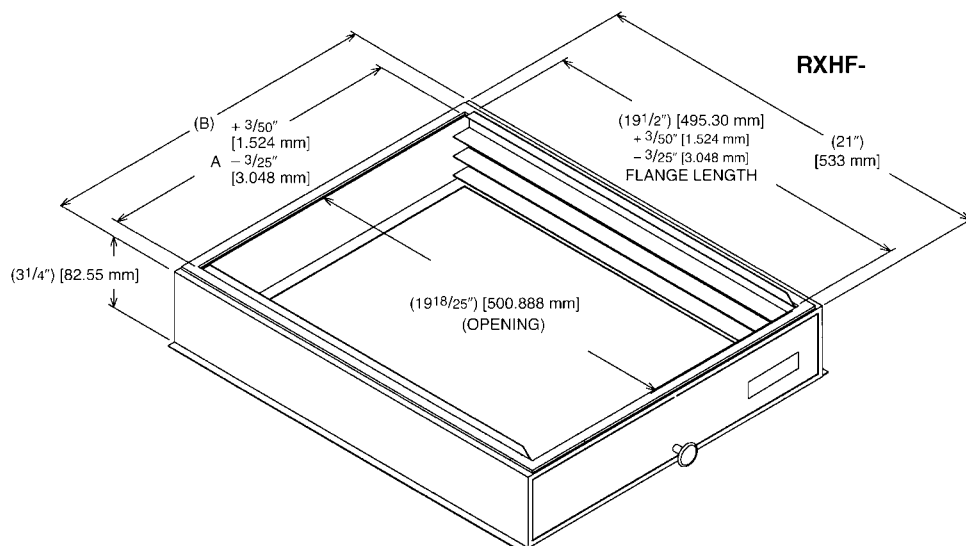
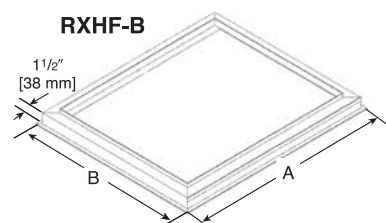
| Nominal Cooling Capacity-Tons | Auxiliary Horizontal Overflow Pan Accessory Model Number |
|-----------------------------------|--|
| 1 ¹ / ₂ - 3 | RXBM-AC48 |
| 3 ¹ / ₂ - 5 | RXBM-AC61 |

• 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 |
| 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 |

*Accommodates 1" or 2" filter

GENERAL TERMS OF LIMITED WARRANTY*

Fujitsu General America, Inc. 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.**

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

"In keeping with its policy of continuous progress and product improvement, the right is reserved to make changes without notice."