



FEM4P, FSM4P Product Specifications

FAN COILS

ALL MODELS

- 1-1/2 thru 4 tons
- Available for environmentally balanced R-410A systems
- Factory installed piston metering device with Teflon ring
- Sweat connections
- Aluminum Tube, Aluminum Fin Evaporator
- Primary and secondary drain fittings with brass inserts
- Multiple electrical entry locations
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Assembled at the factory compliant with low leak requirements of less than 2% cabinet leakage rate at 0.5 inches W.C. and 1.4% cabinet leakage rate at 0.5 inches W.C. when tested in accordance with ASHRAE 193 standard.
- 1 inch thick insulation with R value of 4.2
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)

- No Heat (Plug) Kit factory installed
- Filter (washable) available as accessory

FEM4P

- ECM 5-speed motor
- Low voltage circuit protective fuse (3amp) inline on wire harness

FSM4P

- PSC 2-speed motor
- Printed circuit board (PCB) with low voltage circuit protective fuse (5 amp)

LIMITED WARRANTY*

FEM – 1 year No Hassle Replacement™ limited warranty

FEM, FSM – 5 year parts limited warranty

– With timely registration, an additional 5 year parts limited warranty

* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



| Available Styles | FEM4P | FSM4P |
|------------------|-------|-------|
| Upflow | ✓ | ✓ |
| Horizontal | ✓ | ✓ |
| Downflow | kit | kit |
| Motor | ECM | PSC |



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

| Model Number | Tons | Nom. CFM (L/s) | Dimensions H x W x D in. (mm) | Filter Size in. (mm) | Ship Wt lbs. (kg) |
|--------------|-------|----------------|---|------------------------------|-------------------|
| FEM4P1800AL | 1-1/2 | 600 (283) | 42-11/16 x 14-5/16 x 22-1/16 (1084 x 364 x 560) | 13 x 21-1/2 (330 x 546) | 112 (51) |
| FSM4P1800AL | | | 47-5/8 x 17-5/8 x 22-1/16 (1210 x 448 x 560) | 13 x 21-1/2 (330 x 546) | 117 (51) |
| FEM4P2400AL | 2 | 800 (378) | 42-11/16 x 14-5/16 x 22-1/16 (1084 x 364 x 560) | 13 x 21-1/2 (330 x 546) | 112 (51) |
| FSM4P2400AL | | | 49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560) | 16-3/8 x 21-1/2 (416 x 546) | 128 (58) |
| FEM4P3000AL | 2-1/2 | 1000 (472) | 49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560) | 16-3/8 x 21-1/2 (416 x 546) | 122 (55) |
| FSM4P3000AL | | | 53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560) | 19-7/8 x 21-1/2 (505 x 546) | 145 (66) |
| FEM4P3600AL | 3 | 1200 (566) | 49-5/8 x 17-5/8 x 22-1/16 (1261 x 448 x 560) | 16-3/8 x 21-1/2 (416 x 546) | 122 (55) |
| FSM4P3600AL | | | 53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560) | 19-7/8 x 21-1/2 (505 x 546) | 148 (67) |
| FEM4P4200AL | 3-1/2 | 1400 (661) | 49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560) | 19-7/8 x 21-1/2 (505 x 546) | 157 (71) |
| FSM4P4200AL | | | 49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560) | 19-7/8 x 21-1/2 (505 x 546) | 156 (71) |
| FEM4P4800AL | 4 | 1600 (755) | 49-5/8 x 21-1/8 x 22-1/16 (1261 x 537 x 560) | 19-7/8 x 21-1/2 (505 x 546) | 157 (71) |
| FSM4P4800AL | | | 53-7/16 x 24-11/16 x 22-1/16 (1357 x 627 x 560) | 23-5/16 x 21-1/2 (592 x 546) | 182 (83) |

FAN COIL MODEL NUMBER IDENTIFICATION GUIDE

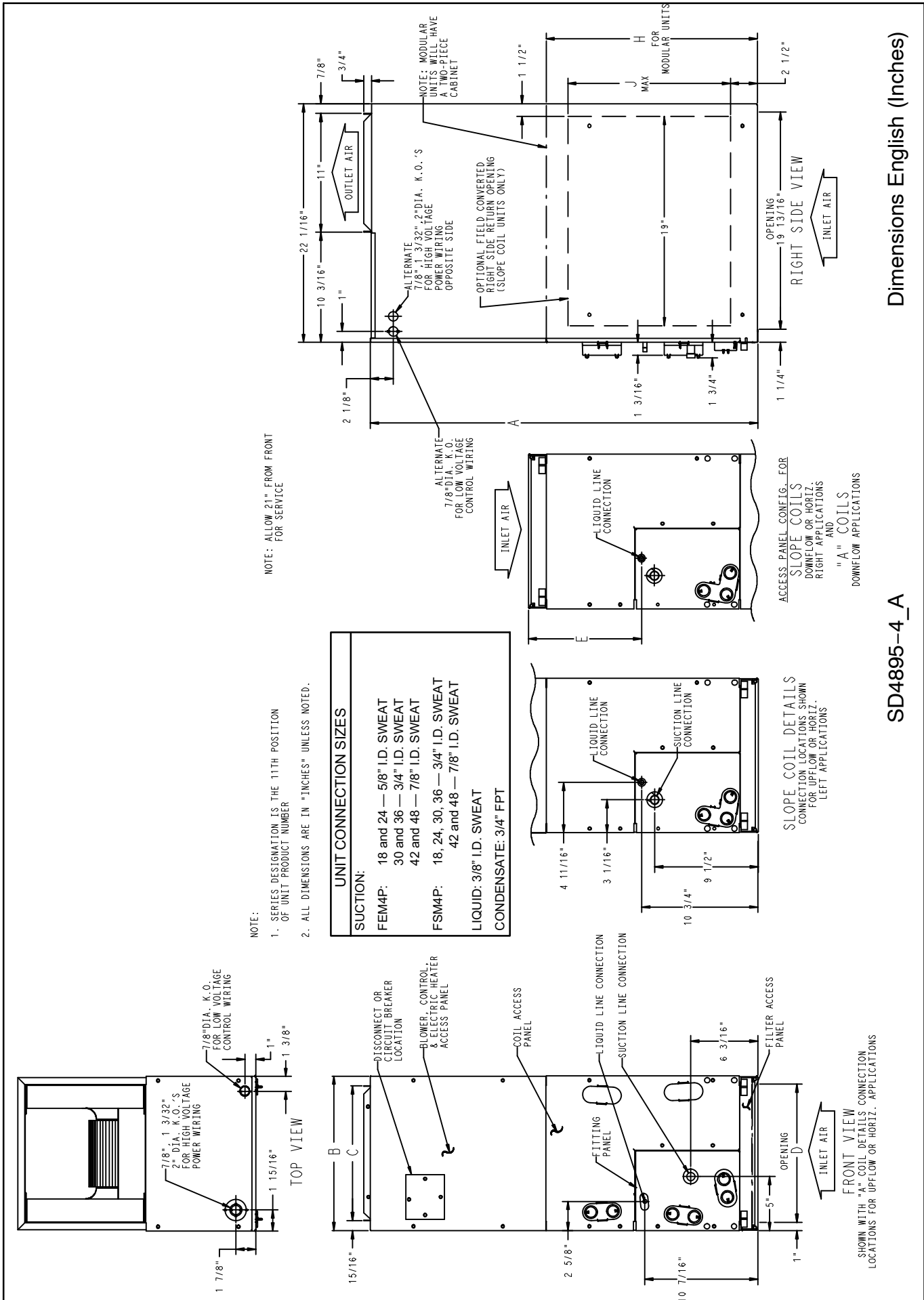
| | | | | | | | | |
|--|-------------------|----------|--------------------------|----------|--------------------|-------------|------------------------------|----------|
| | F | E | M | 4 | P | 1800 | A | L |
| F = Fan Coil | MOTOR TYPE | | INSTALLATION TYPE | | REFRIGERANT | | METERING DEVICE | |
| S = Standard PSC E = ECM 5-Speed | | | | | | | | |
| U = Upflow M = Multiposition | | | | | | | | |
| 4 = Environmentally Balanced R-410A | | | | | | | | |
| P = Piston Metering Device | | | | | | | | |
| 1800 = 18,000 BTUH = 1-1/2 tons 2400 = 24,000 BTUH = 2 tons 3000 = 30,000 BTUH = 2-1/2 tons 3600 = 36,000 BTUH = 3 tons 4200 = 42,000 BTUH = 3-1/2 tons 4800 = 48,000 BTUH = 4 tons | | | | | | | NOMINAL CAPACITY | |
| A = Copper Tubes, Aluminum Fin Evaporator Coil AL = Aluminum Tubes, Aluminum Fin Evaporator Coil AT = Tin Coated Copper Tubes, Aluminum Fin Evaporator Coil | | | | | | | SALES CODE / FEATURES | |

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

| | | | | | |
|---|-----------|-----------|-----------|------------|----------|
| | EB | AC | 01 | NCB | A |
| EB = Evaporator Blower | | | | | |
| AC = Accessory | | | | | |
| 01 = Product Identifier Number | | | | | |
| NCB = Non-Combustible Base Kit DFK = Down Flow Kit PLG = Power Plug (no heat kit) SPK = Single Point Wiring Kit FKS = Filter Kit Small FKM = Filter Kit Medium FKL = Filter Kit Large FKX = Filter Kit Extra Large CTK = Condensate Trap Kit (PVC pipe) | | | | | |
| Sales Code | | | | | |

ELECTRIC HEATER MODEL NUMBER IDENTIFICATION GUIDE

| | | | | | | |
|---|---------------------------|-----------|----------|----------|------------------------|----------|
| | EHK | 05 | A | K | N | 1 |
| EHK = Electric Heater Kit | | | | | | |
| 05 = 5 kW 07 = 7 kW 09 = 9 kW 10 = 10 kW 15 = 15 kW 18 = 18 kW 20 = 20 kW 25 = 25 kW 30 = 30 kW | NOMINAL HEAT VALUE | | | | | |
| Sales Code | | | | | | |
| K = 208 / 230 single-phase H = 208 / 230, 3-phase KC = 208 / 230, supplied as single phase, field convertible to 3-phase HC = 208 / 230 supplied as 3-phase, field convertible to single phase | | | | | VOLTAGE (60 Hz) | |
| Product Identifier | | | | | | |
| Engineering Code | | | | | | |

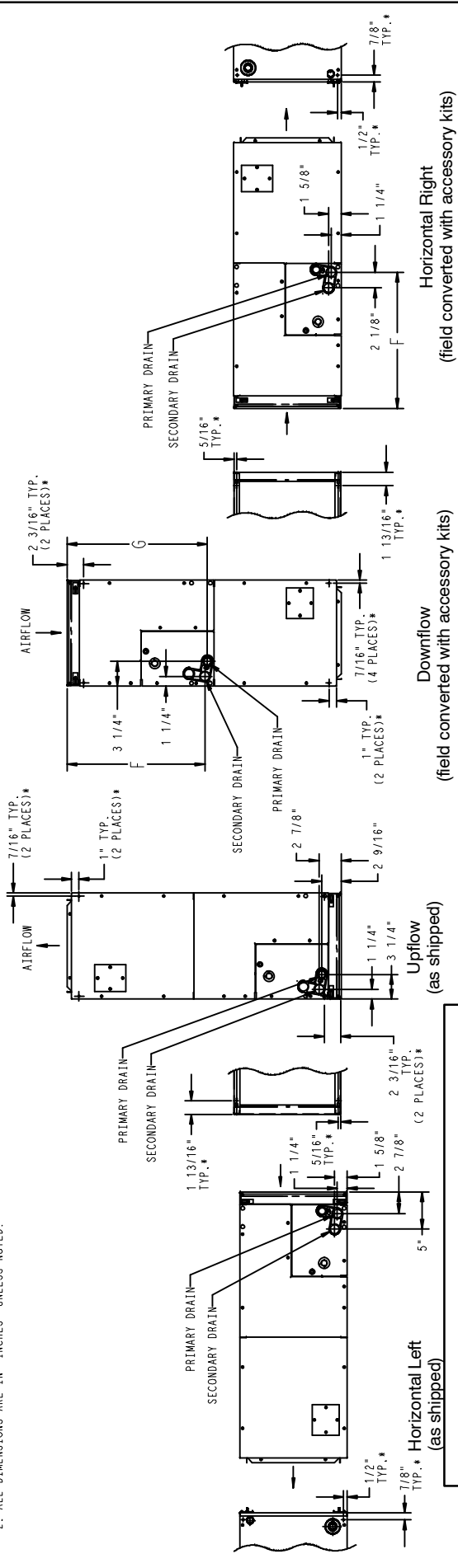


Dimensions English (Inches)

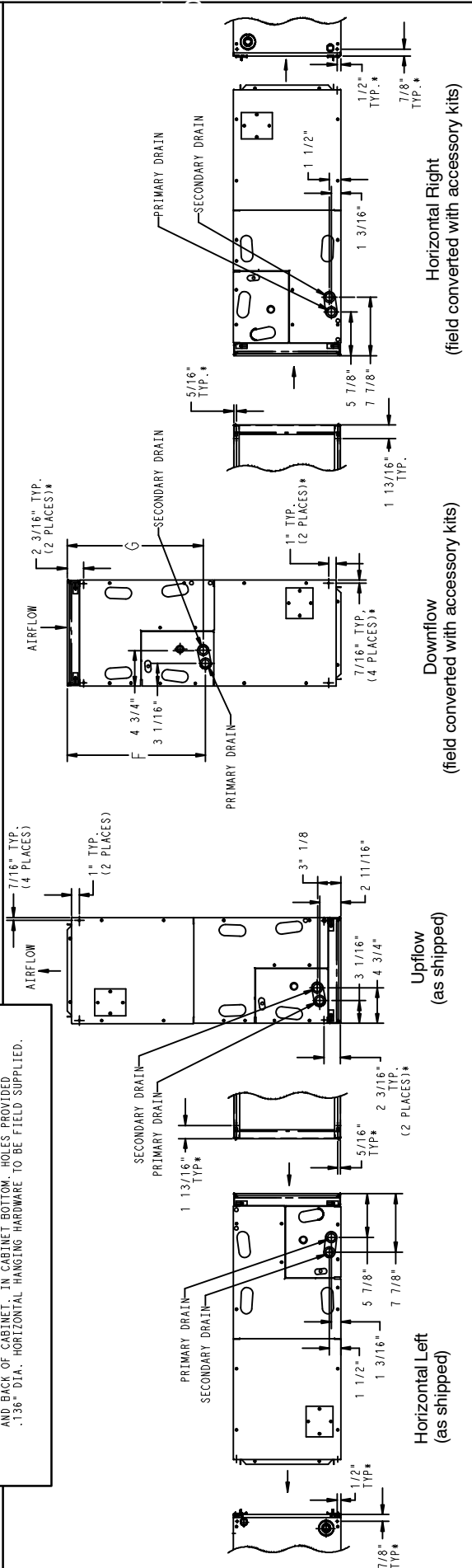
SD4895-4_A

SLOPE COIL

- NOTES:
 1. CONDENSATE PAN DRAIN CAPS NOT SHOWN FOR CLARITY.
 2. ALL DIMENSIONS ARE IN *INCHES* UNLESS NOTED.



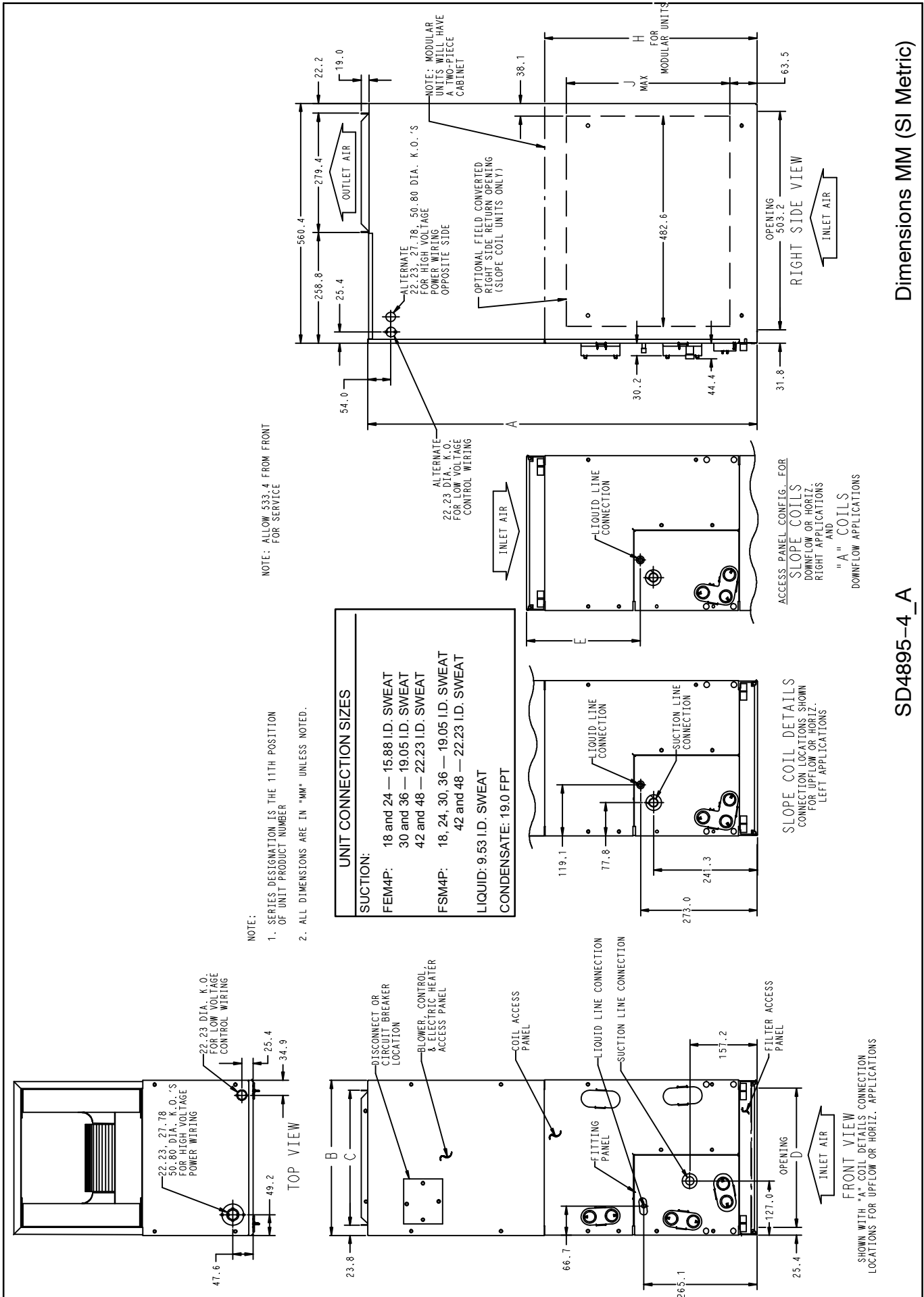
* HORIZONTAL MOUNT LOCATIONS - DIMPLES PROVIDED IN TOP PANEL, AND BACK OF CABINET IN CABINET BOTTOM. HOLES PROVIDED .136" DIA. HORIZONTAL HANGING HARDWARE TO BE FIELD SUPPLIED.



A-COIL

SD4895-4_A

Dimensions English (Inches)

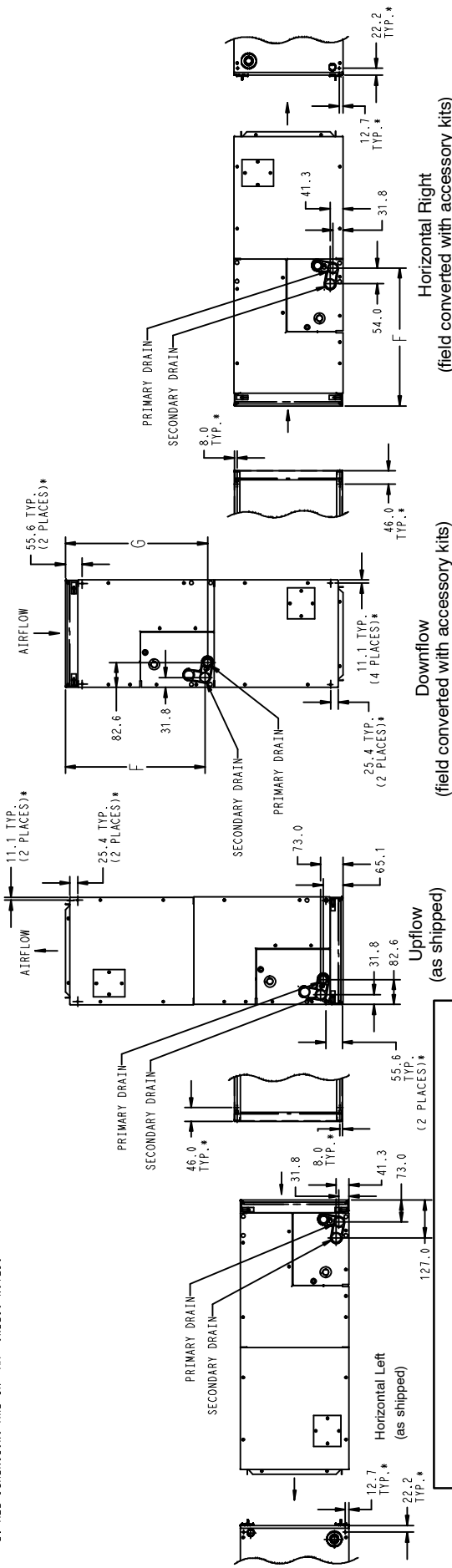


Dimensions MM (SI Metric)

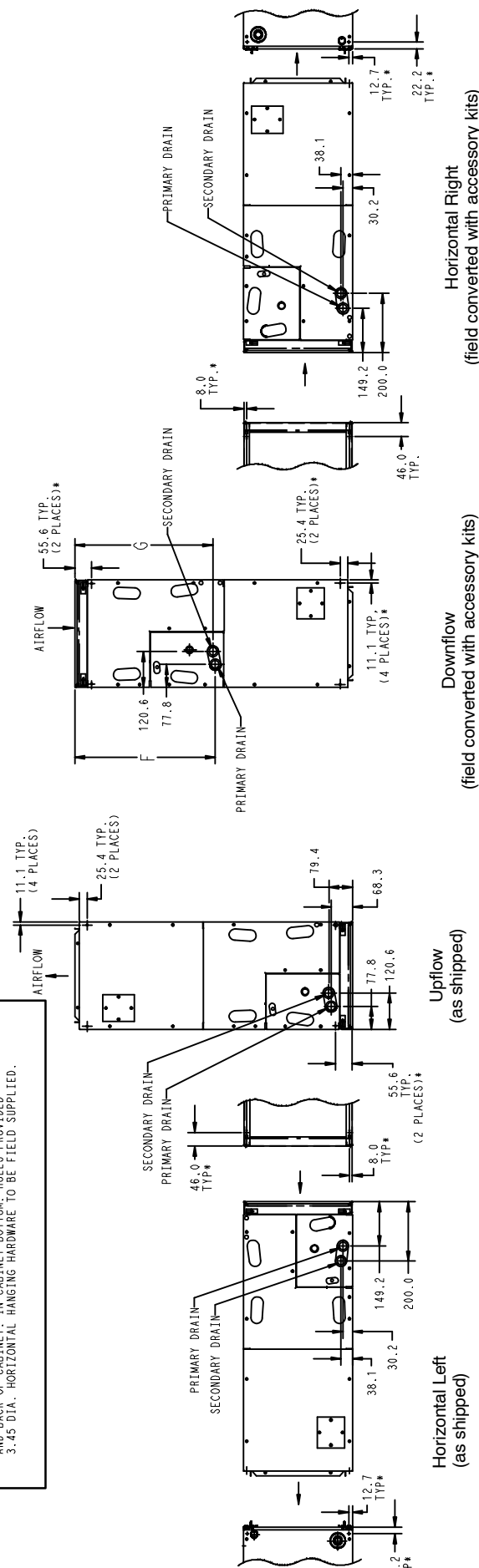
SD4895-4_A

SLOPE COIL

- NOTES:
 1. CONDENSATE PAN DRAIN CAPS NOT SHOWN FOR CLARITY.
 2. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.



* HORIZONTAL MOUNT LOCATIONS - DIMPLES PROVIDED IN TOP PANEL, AND BACK OF CABINET. IN CABINET BOTTOM, HOLES PROVIDED 3.45 DIA. HORIZONTAL HANGING HARDWARE TO BE FIELD SUPPLIED.



A-COIL
 SD4895-4_A

Dimensions MM (SI Metric)

| DIMENSIONAL DATA (refer to drawings) | | | | | | | | | | | | | | |
|--------------------------------------|-------------|-----------------------------|----------|---------|----------|----------|----------|----------|---|----|-------|--------|-----------|---------------|
| Model | Size (tons) | Dimensions inches (English) | | | | | | | | | | | Coil Type | Ship. WT lbs. |
| | | A | B | C | D | E | F | G | H | J | Suct. | Liquid | | |
| FEM4P1800 | 1-1/2 | 42-11/16 | 14-5/16 | 12-7/16 | 12-5/16 | 10-7/16 | 18-1/8 | 18-5/8 | — | 12 | 5/8 | 3/8 | Slope | 112 |
| FSM4P1800 | | 47-5/8 | 17-5/8 | 15-3/4 | 15-5/8 | 15-3/8 | 23-1/8 | 23-5/8 | — | — | 3/4 | | | 117 |
| FEM4P2400 | 2 | 42-11/16 | 14-5/16 | 12-7/16 | 12-5/16 | 10-7/16 | 18-1/8 | 18-5/8 | — | 12 | 5/8 | 3/8 | Slope | 112 |
| FSM4P2400 | | 49-5/8 | 17-5/8 | 15-3/4 | 15-5/8 | 15-3/8 | 23-1/8 | 23-5/8 | — | — | 3/4 | | | 128 |
| FEM4P3000 | 2-1/2 | 49-5/8 | 17-5/8 | 15-3/4 | 15-5/8 | 15-3/8 | 23-1/8 | 23-5/8 | — | 17 | 3/4 | 3/8 | Slope | 122 |
| FSM4P3000 | | 53-7/16 | 21-1/8 | 19-1/4 | 19-1/8 | 19-3/16 | 26-15/16 | 27-1/2 | — | — | | | | 145 |
| FEM4P3600 | 3 | 49-5/8 | 17-5/8 | 15-3/4 | 15-5/8 | 15-3/8 | 23-1/8 | 23-5/8 | — | 17 | 3/4 | 3/8 | Slope | 122 |
| FSM4P3600 | | 53-7/16 | 21-1/8 | 19-1/4 | 19-1/8 | 19-3/16 | 26-15/16 | 27-1/2 | — | — | | | | 148 |
| FEM4P4200 | 3-1/2 | 49-5/8 | 21-1/8 | 19-1/4 | 19-1/8 | 15-11/16 | 23-7/16 | 23-1/8 | — | — | 7/8 | 3/8 | "A" | 157 |
| FSM4P4200 | | 49-5/8 | 21-1/8 | 19-1/4 | 19-1/8 | 15-11/16 | 23-7/16 | 23-1/8 | — | — | 156 | | | |
| FEM4P4800 | 4 | 49-5/8 | 21-1/8 | 19-1/4 | 19-1/8 | 15-11/16 | 23-7/16 | 23-1/8 | — | — | 7/8 | 3/8 | "A" | 157 |
| FSM4P4800 | | 53-7/16 | 24-11/16 | 22-3/4 | 22-11/16 | 19-1/2 | 27-1/4 | 26-15/16 | — | — | 182 | | | |

| DIMENSIONS mm (SI Metric) | | | | | | | | | | | | | | |
|---------------------------|-------------|---------------------------|-----|-----|-----|-----|-----|-----|---|-----|-------|--------|-----------|-------------|
| Model | Size (tons) | Dimensions mm (SI Metric) | | | | | | | | | | | Coil Type | Ship. WT kg |
| | | A | B | C | D | E | F | G | H | J | Suct. | Liquid | | |
| FEM4P1800 | 1-1/2 | 1084 | 364 | 316 | 313 | 265 | 460 | 473 | — | 305 | 16 | 10 | Slope | 51 |
| FSM4P1800 | | 1210 | 448 | 400 | 397 | 391 | 587 | 600 | — | — | 19 | | | 53 |
| FEM4P2400 | 2 | 1084 | 364 | 316 | 313 | 265 | 460 | 473 | — | 305 | 16 | 10 | Slope | 51 |
| FSM4P2400 | | 1261 | 448 | 400 | 397 | 391 | 587 | 600 | — | — | 19 | | | 58 |
| FEM4P3000 | 2-1/2 | 1261 | 448 | 400 | 397 | 391 | 587 | 600 | — | 305 | 19 | 10 | Slope | 55 |
| FSM4P3000 | | 1357 | 537 | 489 | 486 | 487 | 684 | 699 | — | — | | | | 66 |
| FEM4P3600 | 3 | 1261 | 448 | 400 | 397 | 391 | 587 | 600 | — | 305 | 19 | 10 | Slope | 55 |
| FSM4P3600 | | 1357 | 537 | 489 | 486 | 487 | 684 | 699 | — | — | | | | 67 |
| FEM4P4200 | 3-1/2 | 1261 | 537 | 489 | 486 | 399 | 595 | 587 | — | — | 22 | 10 | "A" | 71 |
| FSM4P4200 | | 1261 | 537 | 489 | 486 | 399 | 595 | 587 | — | — | | | | 71 |
| FEM4P4800 | 4 | 1261 | 537 | 489 | 486 | 399 | 595 | 587 | — | — | 22 | 10 | "A" | 71 |
| FSM4P4800 | | 1357 | 627 | 578 | 576 | 495 | 692 | 684 | — | — | | | | 83 |

| PHYSICAL DATA | | | | | | | |
|---|-------------------|---|-----------------|-------------|-----------------|------------------|----------|
| Model | Size | | | | | | |
| | 1800 | 2400 | 3000 | 3600 | 4200 | 4800 | |
| Metering Device - Factory Installed Piston Size (R-410A) | | | | | | | |
| FEM4P | 49 | 55 | 61 | 67 | 76 | 80 | |
| FSM4P | 52 | 57 | 67 | 70 | 76 | 80 | |
| Blower Data | | | | | | | |
| CFM (nominal) | FEM4P | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| | FSM4P | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| Motor Type | FEM4P | ECM 5-speed | | | | | |
| | FSM4P | PSC (Permanent Split Capacitor) 2-speed | | | | | |
| HP | FEM4P | 1/3 | 1/3 | 1/3 | 1/2 | 1/2 | 3/4 |
| | FSM4P | 1/6 | 1/4 | 1/3 | 1/3 | 1/2 | 1/2 |
| Filter Data (washable, available as accessory) | | | | | | | |
| FEM4P | 13 x 21-1/2 | | 16-3/8 x 21-1/2 | | 19-7/8 x 21-1/2 | | |
| FSM4P | 16-3/8 x 21-1/2 | | 19-7/8 x 21-1/2 | | | 23-5/16 x 21-1/2 | |
| Coil Data - Face Area ft² (m²) | | | | | | | |
| FEM4P | 2.23 (0.21) | 2.23 (0.21) | 2.97 (0.28) | 2.97 (0.28) | 4.45 (0.41) | 4.45 (0.41) | |
| FSM4P | 2.97 (0.28) | 2.97 (0.28) | 3.46 (0.32) | 3.46 (0.32) | 4.45 (0.41) | 5.93 (0.55) | |
| Refrigerant Line Connections (sweat) | | | | | | | |
| FEM4P | Liquid inch (mm) | 3/8 (10) | | | | | |
| | Suction inch (mm) | 5/8 (16) | 5/8 (16) | 3/4 (19) | 3/4 (19) | 7/8 (22) | 7/8 (22) |
| FSM4P | Liquid inch (mm) | 3/8 (10) | | | | | |
| | Suction inch (mm) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 7/8 (22) | 7/8 (22) |

| ELECTRICAL DATA, FAN COIL ONLY WITHOUT ELECTRIC HEAT | | | |
|--|-------------------------------|--------------------------------|---|
| Model | 208/230V, single phase, 60 Hz | | |
| | Motor Full Load Amps (FLA) | Minimum Circuit Ampacity (MCA) | Maximum Fuse/Ckt Bkr Amps (Max OverCurrent Protection – MOCP) |
| FEM4P1800 | 2.8 | 3.5 | 15 |
| FEM4P2400 | 2.8 | 3.5 | 15 |
| FEM4P3000 | 2.8 | 3.5 | 15 |
| FEM4P3600 | 4.1 | 5.1 | 15 |
| FEM4P4200 | 4.1 | 5.1 | 15 |
| FEM4P4800 | 6.0 | 7.5 | 15 |
| FSM4P1800 | 0.9 | 1.2 | 15 |
| FSM4P2400 | 1.4 | 1.8 | 15 |
| FSM4P3000 | 1.4 | 1.8 | 15 |
| FSM4P3600 | 1.7 | 2.2 | 15 |
| FSM4P4200 | 2.8 | 3.5 | 15 |
| FSM4P4800 | 2.7 | 3.4 | 15 |

NOTE: Always check piston size on indoor unit to see if it matches required piston on outdoor unit nameplate. If it does not match, replace indoor piston with piston size marked on outdoor unit nameplate.

| AIRFLOW PERFORMANCE – CFM at a given Speed and Static reading | | | | | | | |
|---|--------------|------------------------------------|------|------|------|------|------|
| Model | Blower Speed | Total Static (inches water column) | | | | | |
| | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 |
| FEM4P1800 | Tap 5 | 767 | 739 | 702 | 669 | 620 | 565 |
| | Tap 4 | 614 | 569 | 534 | 486 | 436 | 398 |
| | Tap 3 | 701 | 660 | 616 | 581 | 537 | 499 |
| | Tap 2 | 614 | 569 | 534 | 486 | 436 | 398 |
| | Tap 1 | 410 | 350 | 304 | 261 | 228 | 203 |
| FEM4P2400 | Tap 5 | 969 | 936 | 892 | 835 | 763 | 676 |
| | Tap 4 | 826 | 795 | 766 | 743 | 706 | 660 |
| | Tap 3 | 826 | 795 | 766 | 743 | 706 | 660 |
| | Tap 2 | 701 | 660 | 616 | 581 | 537 | 499 |
| | Tap 1 | 617 | 592 | 552 | 507 | 472 | 420 |
| FEM4P3000 | Tap 5 | 1108 | 1090 | 1065 | 1034 | 1009 | 974 |
| | Tap 4 | 1026 | 1000 | 969 | 938 | 899 | 865 |
| | Tap 3 | 1026 | 1000 | 969 | 938 | 899 | 865 |
| | Tap 2 | 909 | 873 | 842 | 799 | 762 | 724 |
| | Tap 1 | 825 | 795 | 757 | 722 | 674 | 634 |
| FEM4P3600 | Tap 5 | 1301 | 1276 | 1245 | 1218 | 1176 | 1121 |
| | Tap 4 | 1227 | 1191 | 1169 | 1143 | 1105 | 1074 |
| | Tap 3 | 1227 | 1191 | 1169 | 1143 | 1105 | 1074 |
| | Tap 2 | 1087 | 1062 | 1030 | 1001 | 966 | 930 |
| | Tap 1 | 1026 | 1000 | 969 | 938 | 899 | 865 |
| FEM4P4200 | Tap 5 | 1560 | 1544 | 1507 | 1464 | 1424 | 1358 |
| | Tap 4 | 1419 | 1397 | 1358 | 1320 | 1279 | 1239 |
| | Tap 3 | 1419 | 1397 | 1358 | 1320 | 1279 | 1239 |
| | Tap 2 | 1249 | 1220 | 1184 | 1142 | 1093 | 1052 |
| | Tap 1 | 1242 | 1205 | 1158 | 1110 | 1069 | 1026 |
| FEM4P4800 | Tap 5 | 1743 | 1712 | 1679 | 1642 | 1610 | 1574 |
| | Tap 4 | 1669 | 1634 | 1599 | 1564 | 1531 | 1499 |
| | Tap 3 | 1669 | 1634 | 1599 | 1564 | 1531 | 1499 |
| | Tap 2 | 1452 | 1413 | 1377 | 1339 | 1308 | 1271 |
| | Tap 1 | 1300 | 1256 | 1221 | 1182 | 1142 | 1101 |

| AIRFLOW PERFORMANCE – CFM at a given Speed and Static reading | | | | | | | | | | | | | |
|---|--------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Model | Blower Speed | Total Static (inches water column) | | | | | | | | | | | |
| | | 0.10 | | 0.20 | | 0.30 | | 0.40 | | 0.50 | | 0.60 | |
| | | 208V | 230V | 208V | 230V | 208V | 230V | 208V | 230V | 208V | 230V | 208V | 230V |
| FSM4P1800 | High | 742 | 825 | 707 | 768 | 642 | 714 | 568 | 648 | 466 | 526 | 403 | 434 |
| | Low | 541 | 608 | 480 | 564 | 417 | 511 | 357 | 431 | 299 | 363 | n/a | 304 |
| FSM4P2400 | High | 1041 | 1112 | 969 | 1030 | 888 | 936 | 774 | 791 | 573 | 654 | 341 | 438 |
| | Low | 874 | 1014 | 838 | 953 | 781 | 868 | 684 | 740 | 506 | 573 | 341 | 418 |
| FSM4P3000 | High | 1256 | 1327 | 1186 | 1242 | 1071 | 1132 | 952 | 1005 | 704 | 791 | 459 | 482 |
| | Low | 965 | 1117 | 949 | 1074 | 916 | 1019 | 805 | 902 | 575 | 637 | 396 | 447 |
| FSM4P3600 | High | 1306 | 1490 | 1264 | 1418 | 1207 | 1338 | 1135 | 1241 | 1043 | 1127 | 842 | 937 |
| | Low | 1164 | 1335 | 1144 | 1290 | 1108 | 1226 | 1052 | 1148 | 970 | 1048 | 697 | 855 |
| FSM4P4200 | High | 1723 | 1768 | 1639 | 1681 | 1544 | 1576 | 1435 | 1465 | 1309 | 1340 | 1144 | 1182 |
| | Low | 1387 | 1543 | 1358 | 1488 | 1311 | 1410 | 1237 | 1315 | 1137 | 1200 | 997 | 1047 |
| FSM4P4800 | High | 1902 | 1941 | 1803 | 1867 | 1706 | 1767 | 1593 | 1648 | 1472 | 1512 | 1303 | 1371 |
| | Low | 1671 | 1777 | 1630 | 1711 | 1563 | 1630 | 1479 | 1528 | 1370 | 1412 | 1218 | 1266 |

■ – Airflow outside 450 cfm/ton.

NOTES:

- Airflow based upon dry coil at 230v with factory-approved filter and electric heater (2 element heater sizes 1800 through 3600, 3 element heater sizes 4200 through 4800). For FEM4P models, airflow at 208 volts is approximately the same as 230 volts because the ECM motor is a constant torque motor. The torque doesn't drop off at the speeds the motor operates.
- To avoid potential for condensate blowing out of drain pan prior to making drain trap:
Return static pressure must be less than 0.40 in. wc.
Horizontal applications of 4200 – 4800 sizes must have supply static greater than 0.20 in. wc.
- Airflow above 400 cfm/ton on 4800–4800 size could result in condensate blowing off coil or splashing out of drain pan.

| STATIC PRESSURE CORRECTION FROM DRY TO WET COIL (inches of water column) | | | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Model | CFM | | | | | | | | | | | | | | | |
| | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 |
| FEM4P 1800 | 0.034 | 0.049 | 0.063 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| FEM4P 2400 | — | 0.049 | 0.063 | 0.076 | 0.089 | — | — | — | — | — | — | — | — | — | — | — |
| FEM4P 3000 | — | — | — | 0.049 | 0.059 | 0.070 | 0.080 | — | — | — | — | — | — | — | — | — |
| FEM4P 3600 | — | — | — | — | — | 0.070 | 0.080 | 0.090 | 0.099 | — | — | — | — | — | — | — |
| FEM4P 4200 | — | — | — | — | — | — | — | 0.049 | 0.056 | 0.063 | 0.070 | — | — | — | — | — |
| FEM4P 4800 | — | — | — | — | — | — | — | — | — | 0.063 | 0.070 | 0.076 | 0.083 | 0.090 | — | — |
| Models FSM4P | CFM | | | | | | | | | | | | | | | |
| 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | |
| FSM4P 1800 | 0.016 | 0.027 | 0.038 | — | — | — | — | — | — | — | — | — | — | — | — | |
| FSM4P 2400 | 0.016 | 0.027 | 0.038 | 0.049 | 0.059 | — | — | — | — | — | — | — | — | — | — | |
| FSM4P 3000 | — | — | — | 0.036 | 0.046 | 0.055 | 0.064 | — | — | — | — | — | — | — | — | |
| FSM4P 3600 | — | — | — | — | — | 0.055 | 0.064 | 0.073 | 0.081 | — | — | — | — | — | — | |
| FSM4P 4200 | — | — | — | — | — | — | — | 0.049 | 0.056 | 0.063 | 0.07 | — | — | — | — | |
| FSM4P 4800 | — | — | — | — | — | — | — | — | — | 0.038 | 0.043 | 0.049 | 0.054 | 0.059 | — | |

MINIMUM CFM WHEN USING ELECTRIC HEAT

| Model FEM4P | HEATER kW | | | | | | | | | |
|----------------|-----------|------|------|------|------|------|------|------|------|------|
| | 3 | 5 | 8 | 9 | 10 | 15 | 18 | 20 | 24 | 30 |
| 1800 | 525 | 525 | 525 | — | 600 | — | — | — | — | — |
| 2400 | 700 | 700 | 700 | — | 700 | 775 | — | — | — | — |
| 3000 | — | 875 | 875 | — | 875 | 875 | — | 1060 | — | — |
| 3600 | — | 1050 | 970 | 970 | 970 | 920 | — | 1040 | — | — |
| 4200 | — | — | 1225 | 1225 | 1225 | 1225 | 1225 | 1225 | — | — |
| 4800 | — | — | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 |

Note: Speed Tap 4 (white wire) is used for electric heat only. White wire must remain on tap 4.

| Models FSM4P | HEATER kW | | | | | | | | | |
|-----------------|-----------|------|------|------|------|------|------|------|------|------|
| | 3 | 5 | 8 | 9 | 10 | 15 | 18 | 20 | 24 | 30 |
| 1800 | 525 | 525 | 525 | — | 600 | — | — | — | — | — |
| 2400 | 700 | 700 | 700 | — | 700 | 775 | — | — | — | — |
| 3000 | — | 875 | 875 | — | 875 | 875 | — | 1060 | — | — |
| 3600 | — | 1050 | 970 | 970 | 970 | 920 | — | 1040 | — | — |
| 4200 | — | — | 1225 | 1225 | 1225 | 1225 | 1225 | 1225 | — | — |
| 4800 | — | — | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 |

Note: Values indicate low or medium speed.

STATIC PRESSURE CORRECTION FOR ELECTRIC HEATERS (inches of water column)

Airflow performance chart was developed using fan coils with 10 kW electric heater (2 elements) in the 1800 – 3600 model sizes, and 15 kW electric heaters (3 elements) in the 4200 – 4800 model sizes.

When using a different number of heater elements, adjust the static pressure numbers by adding or subtracting the values in this table (for a given CFM, more electric heater elements create higher static pressure drop).

| Model Size | Heater kW | | | | | |
|---------------|-------------------------|--------|---------|---------|-------|---------------|
| | No Heater | 3 or 5 | 8 or 10 | 9 or 15 | 20 | 18, 24, or 30 |
| | Number of Heat Elements | | | | | |
| | 0 | 1 | 2 | 3 | 4 | 6 |
| 1800 | +0.02 | +0.01 | 0 | -0.02 | -0.04 | - |
| 2400 | +0.02 | +0.01 | 0 | -0.02 | -0.04 | - |
| 3000 | +0.02 | +0.01 | 0 | -0.02 | -0.04 | - |
| 3600 | +0.02 | +0.01 | 0 | -0.02 | -0.04 | - |
| 4200 | +0.04 | - | +0.02 | 0 | -0.02 | -0.10 |
| 4800 | +0.04 | - | +0.02 | 0 | -0.02 | -0.10 |

| ELECTRIC HEATER ELECTRICAL DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------|------|-----------------------------|----------------------|--------------|-------------------------|-------------|----------------|--------------|--------------------------------|--------|----------------|--------------|----------------------------|--------|----------------|--------------|--------------------------------|---------|----------------|--------------|--------------------------------|--------|--------|--------|--------|---|---|
| Heater Model | Heater kW | | INTERNAL CIRCUIT PROTECTION | HEATER AMPS 208/230V | | Min Ampacity ☆ 208/230V | | | | Min Wire Size (AWG) 208/230V 1 | | | | Min Gnd Wire Size 208/230V | | | | Max Fuse/Ckt Bkr Amps 208/230V | | | | Max Wire Length 208/230V (F)†† | | | | | | |
| | 230v | 208v | | Single Circuit | Dual Circuit | | | Single Circuit | Dual Circuit | | | Single Circuit | Dual Circuit | | | Single Circuit | Dual Circuit | | | Single Circuit | Dual Circuit | | | | | | | |
| | | | | | L1, L2 | L3, L4 | L3, L4 | | L1, L2 | L3, L4 | L3, L4 | | L1, L2 | L3, L4 | L3, L4 | | L1, L2 | L3, L4 | L3, L4 | | L1, L2 | L3, L4 | L3, L4 | L1, L2 | L3, L4 | L3, L4 | | |
| EHK05AKN* | 5 | 3.8 | 1 | 18.1/20.0 | — | — | 26.0/28.4 | — | — | 10/10 | — | — | 10/10 | — | — | 30/30 | — | — | 66/66 | — | — | — | — | — | — | — | — | — |
| EHK05AKN** | 5 | 3.8 | 1 | 18.1/20.0 | — | — | 31.2/33.5 | — | — | 8/8 | — | — | 10/10 | — | — | 35/35 | — | — | 85/88 | — | — | — | — | — | — | — | — | — |
| EHK05AKB* | 5 | 3.8 | 1 | 18.1/20.0 | — | — | 26.0/28.4 | — | — | 10/10 | — | — | 10/10 | — | — | 30/30 | — | — | 66/66 | — | — | — | — | — | — | — | — | — |
| EHK05AKB** | 5 | 3.8 | 1 | 18.1/20.0 | — | — | 31.2/33.5 | — | — | 8/8 | — | — | 10/10 | — | — | 35/35 | — | — | 85/88 | — | — | — | — | — | — | — | — | — |
| EHK07AKN | 8 | 6.0 | 1 | 28.9/32.0 | — | — | 44.7/48.5 | — | — | 8/8 | — | — | 10/10 | — | — | 45/50 | — | — | 59/60 | — | — | — | — | — | — | — | — | — |
| EHK07AKB | 8 | 6.0 | 1 | 28.9/32.0 | — | — | 44.7/48.5 | — | — | 8/8 | — | — | 10/10 | — | — | 45/50 | — | — | 59/60 | — | — | — | — | — | — | — | — | — |
| EHK09AKCNT | 9 | 6.8 | 1 | 32.8/36.0 | — | — | 49.5/53.5 | — | — | 8/6 | — | — | 10/10 | — | — | 50/60 | — | — | 54/67 | — | — | — | — | — | — | — | — | — |
| EHK10AKN | 9 | 6.8 | 3 | 18.8/20.8 | — | — | 32.0/34.5 | — | — | 8/8 | — | — | 10/10 | — | — | 35/35 | — | — | 83/85 | — | — | — | — | — | — | — | — | — |
| EHK10AKB | 10 | 7.5 | 1 | 36.2/40.0 | — | — | 53.8/58.5 | — | — | 6/6 | — | — | 10/10 | — | — | 60/60 | — | — | 78/80 | — | — | — | — | — | — | — | — | — |
| EHK15AKF | 15 | 11.3 | 1 | 54.2/59.9 | 36.2/40.0 | 18.1/20.0 | 76.3/83.4 | 53.8/58.5 | 22.7/25.0 | 4/4 | 6/6 | 10/10 | 8/8 | 10/10 | 10/10 | 80/90 | 60/60 | 25/25 | 88/89 | 78/80 | 75/76 | — | — | — | — | — | — | |
| EHK15AKB | 15 | 11.3 | 1 | 36.2/40.0 | 36.2/40.0 | 18.1/20.0 | — | 53.8/58.5 | 22.7/25.0 | — | 6/6 | 10/10 | — | 10/10 | — | — | 60/60 | 25/25 | — | 78/80 | 75/76 | — | — | — | — | — | — | |
| EHK15AHN | 15 | 11.3 | 3 | 31.3/34.6 | — | — | 47.7/51.8 | — | — | 8/6 | — | — | 10/10 | — | — | 50/60 | — | — | 56/60 | — | — | — | — | — | — | — | — | — |
| EHK18AHN | 18 | 13.5 | 3 | 37.6/41.5 | — | — | 55.5/60.4 | — | — | 6/6 | — | — | 10/8 | — | — | 60/70 | — | — | 76/77 | — | — | — | — | — | — | — | — | — |
| EHK20AKF | 20 | 15.0 | 1 | 72.3/79.9 | 36.2/40.0 | 36.2/40.0 | 98.9/108.4 | 53.8/58.5 | 45.3/50.0 | 3/2 | 6/6 | 8/8 | 8/6 | 10/10 | 10/10 | 100/110 | 60/60 | 50/50 | 85/109 | 78/80 | 59/59 | — | — | — | — | — | — | — |
| EHK20AKB | 20 | 15.0 | 1 | 36.2/40.0 | 36.2/40.0 | 36.2/40.0 | — | 53.8/58.5 | 45.3/50.0 | — | 6/6 | 8/8 | — | 10/10 | 10/10 | — | 60/60 | 50/50 | — | 78/80 | 59/59 | — | — | — | — | — | — | — |
| EHK25AHCF † | 24 | 18.0 | 3 | 50.1/55.4 | — | — | 71.2/77.8 | — | — | 4/4 | — | — | 8/8 | — | — | 80/80 | — | — | 94/95 | — | — | — | — | — | — | — | — | — |
| EHK25AHCF † | 24 | 18.0 | 1 | 86.7/95.5 | — | — | 116.9/127.9 | — | — | 1/1 | — | — | 6/6 | — | — | 125/150 | — | — | 115/116 | — | — | — | — | — | — | — | — | — |
| EHK30AHCF † | 30 | 22.5 | 3 | 62.8/69.2 | — | — | 86.8/95.0 | — | — | 3/3 | — | — | 8/8 | — | — | 90/100 | — | — | 97/98 | — | — | — | — | — | — | — | — | — |
| EHK30AHCF † | 30 | 22.5 | 1 | 109.0/120.0 | — | — | 144.8/158.5 | — | — | 0/00 | — | — | 6/6 | — | — | 150/175 | — | — | 117/150 | — | — | — | — | — | — | — | — | — |

| FIELD MULTIPOINT WIRING OR 24 AND 30 KW SINGLE PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|------|-----------------------|----------------------|-----------|-----------|-----------|-----------|-----------|-------------------------------------|--------|--------|--------|-----------------------------|-------|--------------------------------|--------|--------|--------|--------------------------------|--------|--------|--------|---|---|---|---|---|
| Heater Model | Heater kW | | P H A S E | Heater Amps 208/230V | | | | | | Minimum Circuit Ampacity 208/230V ☆ | | | | Min Gnd Wire Size 208/230 V | | Max Fuse/Ckt Bkr Amps 208/230V | | | | Max Wire Length 208/230V (F)†† | | | | | | | | |
| | 230V | 208V | | L1, L2 | L3, L4 | L5, L6 | L1, L2 | L3, L4 | L5, L6 | Minimum Wire Size (AWG) 208/230V † | | | | 208/230 | V | Max Wire Length 208/230V (F)†† | | | | | | | | | | | | |
| | | | | | | | | | | L1, L2 | L3, L4 | L5, L6 | L1, L2 | | | L3, L4 | L5, L6 | L1, L2 | L3, L4 | L5, L6 | L1, L2 | L3, L4 | L5, L6 | | | | | |
| EHK25AHCF † | 24 | 18.0 | 1 | 28.9/32.0 | 28.9/32.0 | 28.9/32.0 | 44.7/48.5 | 36.2/40.0 | 36.2/40.0 | 8/8 | 8/8 | 8/8 | 10/10 | 10/10 | 45/50 | 40/40 | 59/60 | 73/73 | 73/73 | — | — | — | — | — | — | — | — | — |
| EHK30AHCF † | 30 | 22.5 | 1 | 36.2/40.0 | 36.2/40.0 | 36.2/40.0 | 53.8/58.5 | 45.3/50.0 | 45.3/50.0 | 6/6 | 8/8 | 8/8 | 10/10 | 10/10 | 60/60 | 50/50 | 78/80 | 59/59 | 59/59 | — | — | — | — | — | — | — | — | — |

- Notes:**
- 1 Copper wire must be used. If other than uncoated (non-plated), 75° C ambient, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the National Electric Code (ANSI/NFPA 70).
 - * When used with Fan Coil model sizes 2400, 3600.
 - ** When used with Fan Coil model sizes 4200, 4800.
 - ☆ Includes blower motor amps of largest Fan Coil used with heater.
 - † Supplied as single phase, field convertible to single phase, single or multiple supply circuits.
 - ‡ Supplied as 3-phase, field convertible to single phase, single or multiple supply circuits.
 - †† Length shown is as measured one way along wire path between unit and service panel for a voltage drop not to exceed 2%.

ACCESSORIES

| Part Number | Description | Use with | |
|------------------------------------|--|--|---|
| | | FSM4P models | FEM4P models |
| EBAC01DSC | Disconnect Kit | use with All single phase Heaters 5 kW thru 10 kW | |
| EBAC01NCB | Downflow Base Kit | - | 1800, 2400 |
| EBAC02NCB | | 2400 | 3000, 3600 |
| EBAC03NCB | | 3000, 3600, 4200, 4800 | 4200, 4800 |
| EBAC01DFS | Downflow Conversion Kit – Slope Coil | 2400, 3000, 3600 | 1800, 2400, 3000, 3600 |
| EBAC02DFA | Downflow Conversion Kit – “A” Coil | 4200, 4800 | 4200, 4800 |
| EBAC01SPK | Single Point Wiring Kit | only for use with 15 kW & 20 kW fused heaters | |
| Square D® part # QOU14100JBAF * | Single Point Wiring Kit – Square D® Jumper Bar Assembly | Only for use with EHK15AKB and EHK20AKB breaker heaters | |
| EBAC01FKS | Filter Kit (washable, box of 12) | - | 1800, 2400 |
| EBAC01FKM | | 2400 | 3000, 3600 |
| EBAC01FKL | | 3000, 3600, 4200 | 4200, 4800 |
| EBAC01FKX | | 4800 | - |
| NASA00101FR | Standard Filter Rack (12 x 20 x 1 filter required) | - | 1800, 2400 |
| NASA00201FR | Standard Filter Rack (16 x 20 x 1 filter required) | 2400 | 3000, 3600 |
| NASA00301FR | Standard Filter Rack (20 x 20 x 1 filter required) | 3000, 3600, 4200 | 4200, 4800 |
| NASA00401FR | Standard Filter Rack [quantity 2] (12 x 20 x 1 filter required) | 4800 | - |
| EBAC01PLG | No Heat (Plug) Kit (box of 6) | Factory Installed | |
| EBAC01CTK | PVC Condensate Trap Kit (box of 50) | ALL | ALL |
| EBAC01GSK | Downflow Gasket Kit | ALL | ALL (required for horizontal right and downflow) |
| NAEB40501TX | TXV Kit, R-410A, Aluminum Coil Only | 1800AL, 2400AL, 3000AL | 1800AL, 2400AL, 3000AL |
| NAEB40601TX | | 3600AL, 4200AL | 3600AL, 4200AL |
| NAEB40701TX | | 4800AL | 4800AL |
| NAEB20101TX | TXV Kit, R-22, Aluminum Coil Only | 1800AL, 2400AL, 3000AL, 3600AL, 4200AL | 1800AL, 2400AL, 3000AL, 3600AL, 4200AL |
| NAEB20201TX | | 4800AL | 4800AL |
| 1191140 | Door Gasket Kit ** | All | |

* Square D part number given for reference only. Check with local Square D supplier.

** This kit is for replacement of factory installed gaskets if they are damaged or removed from the fan coil.

ELECTRIC HEATERS

| Part Number | Description | Use with Model Sizes |
|-------------|--|------------------------------|
| EHK05AKN | 5 kW, single phase, no internal circuit protection | ALL |
| EHK05AKB | 5 kW, single phase, with circuit breakers | ALL |
| EHK07AKN | 8 kW, single phase, no internal circuit protection | ALL |
| EHK07AKB | 8 kW, single phase, with circuit breakers | ALL |
| EHK09AKCN | 9 kW, supplied as single phase, field convertible to 3-phase, no internal circuit protection | 3600, 4200, 4800 |
| EHK10AKN | 10 kW, single phase, no internal circuit protection | ALL |
| EHK10AKB | 10 kW, single phase, with circuit breakers | ALL |
| EHK15AKF | 15 kW, single phase, with fuses | 2400, 3000, 3600, 4200, 4800 |
| EHK15AKB | 15 kW, single phase, with circuit breakers | 2400, 3000, 3600, 4200, 4800 |
| EHK15AHN | 15 kW, 3-phase, no internal circuit protection | 3600, 4200, 4800 |
| EHK18AHN | 18 kW, 3-phase, no internal circuit protection | 4200, 4800 |
| EHK20AKF | 20 kW, single phase, with fuses | 3000, 3600, 4200, 4800 |
| EHK20AKB | 20 kW, single phase, with circuit breakers | 3000, 3600, 4200, 4800 |
| EHK25AHCF | 24 kW, supplied as 3-phase, field convertible to single phase, with fuses | 4800 |
| EHK30AHCF | 30 kW, supplied as 3-phase, field convertible to single phase, with fuses | 4800 |