



# FEM4P, FSM4P Product Specifications

## FAN COILS

### ALL MODELS

- 1-1/2 thru 4 tons
- Available for environmentally sound R-410A systems
- Factory installed piston metering device with Teflon ring
- Sweat connections
- 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
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column
- 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



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

### 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)

### 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 owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



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](http://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)
FEM4P1800**	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)
FEM4P2400**	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)
FSM4P2400**			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)
FEM4P3000**	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)
FSM4P3000**			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)
FEM4P3600**	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)
FSM4P3600**			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)
FEM4P4200**	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)
FSM4P4200**			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)
FEM4P4800**	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)
FSM4P4800**			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)

\*\* A = Copper Tube, Aluminum Fin Evaporator  
 AL = Aluminum Tube, Aluminum Fin Evaporator  
 AT = Tin Coated Copper Tube, Aluminum Fin Evaporator

**FAN COIL MODEL NUMBER IDENTIFICATION GUIDE**

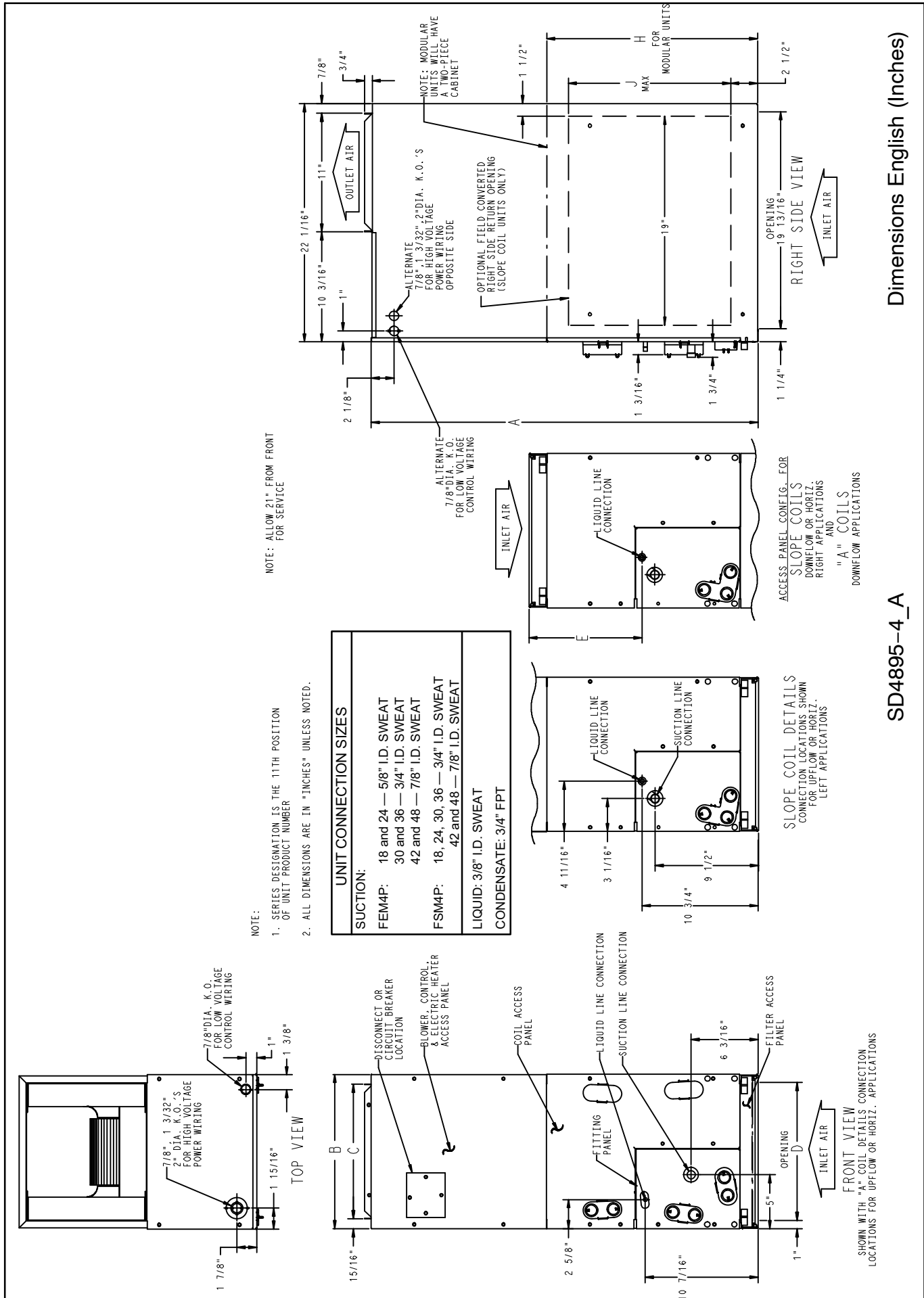
	<b>F</b>	<b>E</b>	<b>M</b>	<b>4</b>	<b>P</b>	<b>1800</b>	<b>A</b>	<b>T</b>
F = Fan Coil	<b>MOTOR TYPE</b>		<b>INSTALLATION TYPE</b>		<b>REFRIGERANT</b>		<b>METERING DEVICE</b>	
S = Standard PSC E = ECM 5-Speed								
U = Upflow M = Multiposition								
4 = Environmentally Sound R-410A								
P = Piston 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							<b>NOMINAL CAPACITY</b>	
A = Copper Tubes, Aluminum Fin Evaporator Coil AL = Aluminum Tubes, Aluminum Fin Evaporator Coil AT = Tin Coated Copper Tubes, Aluminum Fin Evaporator Coil							<b>SALES CODE / FEATURES</b>	

**ACCESSORIES PART NUMBER IDENTIFICATION GUIDE**

	<b>EB</b>	<b>AC</b>	<b>01</b>	<b>NCB</b>	<b>A</b>
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					

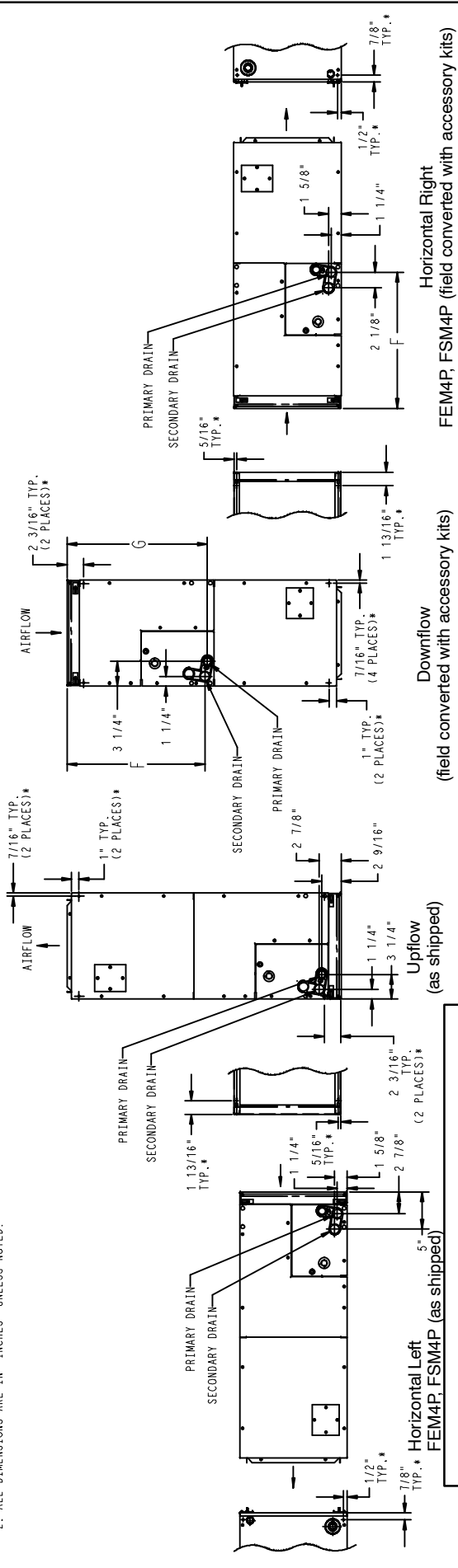
**ELECTRIC HEATER MODEL NUMBER IDENTIFICATION GUIDE**

	<b>EHK</b>	<b>05</b>	<b>A</b>	<b>K</b>	<b>N</b>	<b>1</b>
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	<b>NOMINAL HEAT VALUE</b>					
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					<b>VOLTAGE (60 Hz)</b>	
Product Identifier						
Engineering Code						



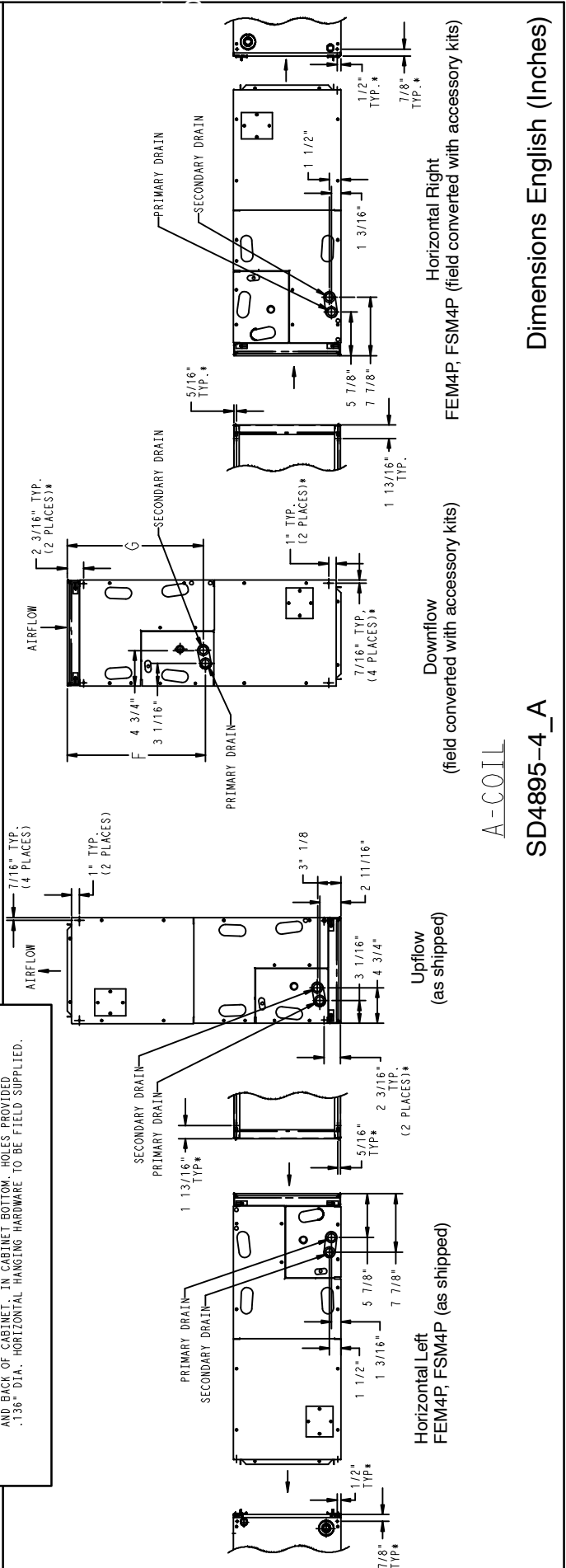
SLOPE COIL

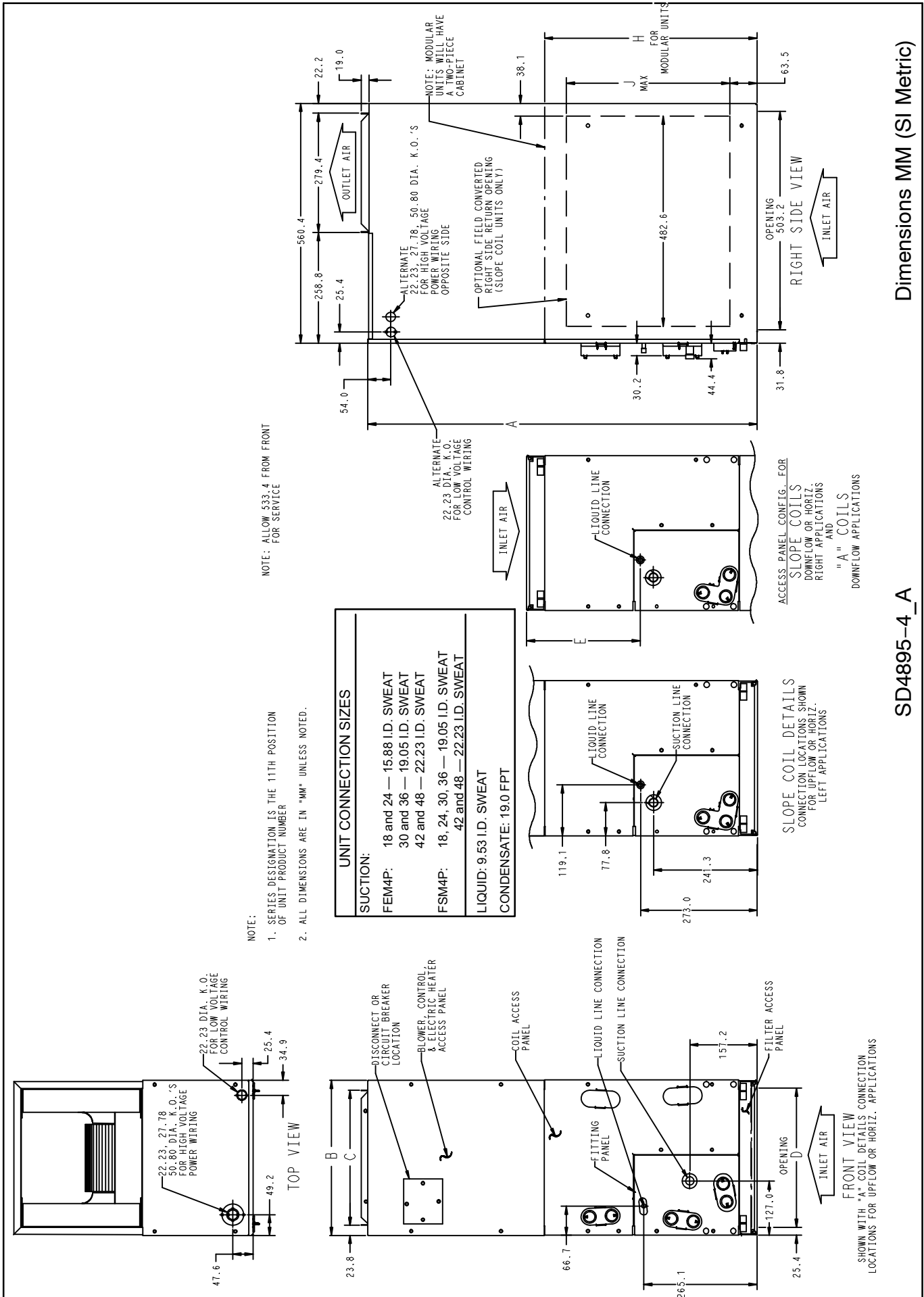
- NOTES:  
 1. CONDENSATE PAN DRAIN CAPS NOT SHOWN FOR CLARITY.  
 2. ALL DIMENSIONS ARE IN \*INCHES\* UNLESS NOTED.



\* 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.

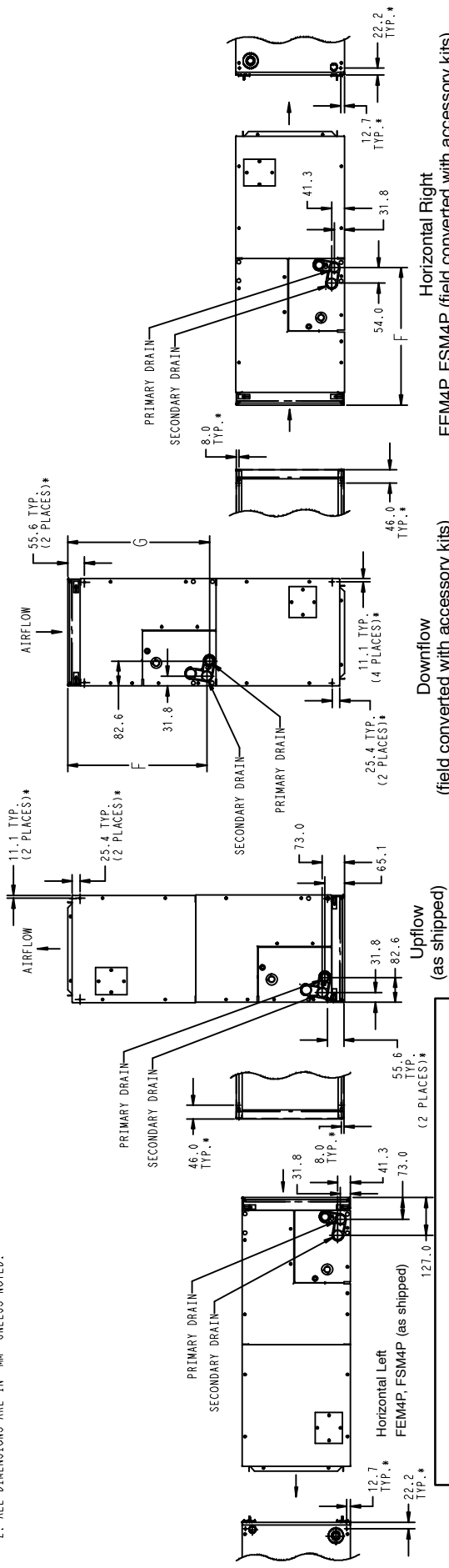
A-COIL





SLOPE COIL

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



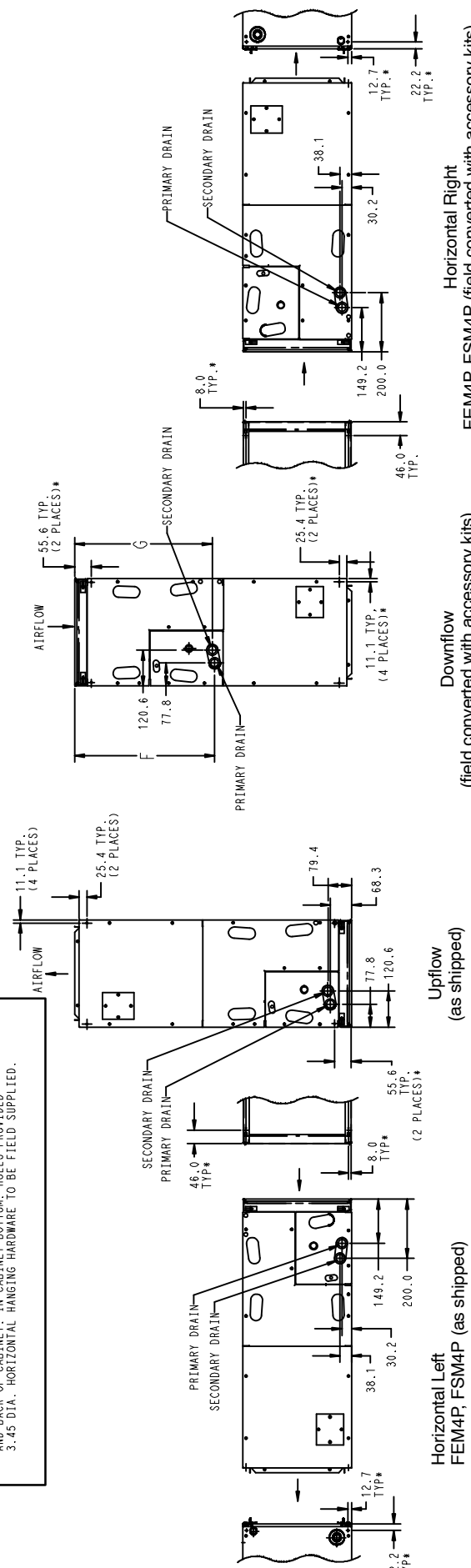
Horizontal Left  
 FEM4P, FSM4P (as shipped)

Upflow  
 (as shipped)

Downflow  
 (field converted with accessory kits)

Horizontal Right  
 FEM4P, FSM4P (field converted with accessory kits)

\* 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.



Horizontal Left  
 FEM4P, FSM4P (as shipped)

Upflow  
 (as shipped)

Downflow  
 (field converted with accessory kits)

Horizontal Right  
 FEM4P, FSM4P (field converted with accessory kits)

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	
<b>Metering Device** - Factory Installed Piston Size (R-410A)</b>							
FEM4P	52	57	67	70	76	80	
FSM4P	52	57	67	70	76	80	
<b>Blower Data</b>							
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
<b>Filter Data (washable, available as accessory)</b>							
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	
<b>Coil Data - Face Area ft<sup>2</sup> (m<sup>2</sup>)</b>							
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)	
<b>Refrigerant Line Connections (sweat)</b>							
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	4.1	5.1	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	614	569	534	486	436	398
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.

PRESSURE DROP ACROSS FILTER (inches of water column)										
Model FEM4P	CFM									
	400	600	800	1000	1200	1400	1600	1800	2000	
1800	0.02	0.044	0.075	—	—	—	—	—	—	
2400, 3000	—	0.022	0.048	0.072	0.100	—	—	—	—	
3600 4200, 4800	—	—	—	0.051	0.070	0.092	0.120	0.152	—	
Models FSM4P	CFM									
	400	600	800	1000	1200	1400	1600	1800	2000	
1800, 2400	0.012	0.022	0.048	0.072	—	—	—	—	—	
3000, 3600, 4200	—	—	0.036	0.051	0.07	0.092	0.12	—	—	
4800	—	—	—	—	—	0.073	0.086	0.105	0.13	

STATIC PRESSURE CORRECTION FROM DRY TO WET COIL (inches of water column)																
Model FEM4P	CFM															
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
1800	0.034	0.049	0.063	—	—	—	—	—	—	—	—	—	—	—	—	—
2400	0.034	0.049	0.063	0.076	0.089	—	—	—	—	—	—	—	—	—	—	—
3000	—	—	—	0.049	0.059	0.070	0.080	—	—	—	—	—	—	—	—	—
3600	—	—	—	—	—	0.070	0.080	0.090	0.099	—	—	—	—	—	—	—
4200	—	—	—	—	—	—	—	0.049	0.056	0.063	0.070	—	—	—	—	—
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
1800	0.016	0.027	0.038	—	—	—	—	—	—	—	—	—	—	—	—	—
2400	0.016	0.027	0.038	0.049	0.059	—	—	—	—	—	—	—	—	—	—	—
3000	—	—	—	0.036	0.046	0.055	0.064	—	—	—	—	—	—	—	—	—
3600	—	—	—	—	—	0.055	0.064	0.073	0.081	—	—	—	—	—	—	—
4200	—	—	—	—	—	—	—	0.049	0.056	0.063	0.07	—	—	—	—	—
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	L1, L2		L3, L4	L1, L2	L3, L4		L1, L2	L3, L4	L1, L2		L3, L4	L1, L2	L3, L4		L1, L2	L3, L4	L1, L2	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	—	—	10/10	—	—	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	—	—	10/10	—	—	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	—	—	54/57	—	—	—	—	—	—	—	—	—
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	88/89	78/80	78/80	78/80	78/80	78/80	78/80	78/80	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	10/10	—	60/60	25/25	—	78/80	78/80	78/80	78/80	78/80	78/80	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	85/109	78/80	78/80	78/80	78/80	78/80	78/80	78/80	59/59	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	8/8	10/10	10/10	—	60/60	50/50	—	78/80	78/80	78/80	78/80	78/80	78/80	59/59	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	62.6/69.2	—	—	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	28.9/32.0	28.9/32.0	28.9/32.0	28.9/32.0	28.9/32.0	28.9/32.0	28.9/32.0	28.9/32.0	10/10	10/10	45/50	40/40	59/60	73/73	73/73	73/73	73/73	73/73	73/73	73/73
EHK30AHCF †	30	22.5	1	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	36.2/40.0	10/10	10/10	60/60	50/50	78/80	59/59	59/59	59/59	59/59	59/59	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 models	
		FSM4P models	FEM4P models
EBAC01DSC	Disconnect Kit	use with All Heaters 3 kW thru 10 kW	
EBAC01NCB	Downflow Base Kit	-	1800, 2400
EBAC02NCB		1800, 2400	3000, 3600
EBAC03NCB		3000, 3600, 4200, 4800	4200, 4800
EBAC01DFS	Downflow Conversion Kit – Slope Coil	1800, 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	
AMFK20SPA or 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		1800, 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)
NAEA40501TX	TXV Kit, R-410A	1800, 2400, 3000	1800, 2400, 3000
NAEA40601TX		3600, 4200	3600, 4200
NAEA40701TX		4800	4800
NAEA20101TX	TXV Kit, R-22	1800, 2400, 3000, 3600, 4200	1800, 2400, 3000, 3600, 4200
NAEA20201TX		4800	4800

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