FE4A, FE5A EVOLUTION® SERIES
COMMUNICATING VARIABLE–SPEED FAN COIL
PURON® REFRIGERANT
SIZES 002 THRU 006

Product Data

Puron

PREMIUM ENVIRONMENTALLY–SOUND FAN COIL

The latest in technology makes the FE4A and FE5A fan coil models the most advanced air handlers available. With attention to quiet, efficient, and comfortable operation, Bryant has developed a new benchmark for homeowner comfort and ease of installation.

The FE4A and FE5A utilize the Evolution® Control as a required accessory to enable state of the art smart–diagnostics capability. This enables faster troubleshooting, providing ease of service and repair. The FE4A and FE5A also provide a 4–wire hook up with matching outdoor unit and the Evolution® Control. This makes installation simpler and a lot quicker than with conventional fan coils. The FE4A and FE5A have advanced technology that allows the fan coil to self–configure with a matching outdoor unit and the Evolution® Control, cutting down on installation time.

The FE4A and FE5A feature Puron® refrigerant, the chlorine–free alternate that is the future for the residential heating and cooling industry. The FE4A and FE5A using Puron® refrigerant maximize performance for environmentally sound systems. In addition to environmental safety, these systems are 30 to 40% more efficient than standard heating and cooling systems, thereby combining excellence in efficiency and environmental safety.

The FE4A and FE5A provide these benefits due to Bryant's command of Electronically Commutating Motor (ECM) technology. These motors are extremely efficient at all speeds, and enable the FE4A and FE5A to operate at the correct speed to deliver airflow precisely, ensuring proper performance across a wide range of duct static pressures. This adaptive efficiency also makes installation quality easier to achieve for today's demanding homeowner.

Bryant's command of ECM technology may be most evident in the comfort advantages that an ECM can deliver. For true comfort, the homeowner can achieve command of both temperature and humidity in cooling and heating modes.

Another feature which sets the FE4A and FE5A apart is the factory–installed TXV, which enhances efficiency and provides compressor–protecting operation at all recommended conditions. Grooved tubing, louvered aluminum fins, and the large face areas of the FE4A and FE5A refrigerant coils also provide superior efficiency, for high SEER and HSPF performance.

Bryant leads the way in condensate control, a hallmark of these multipoise fan coils. All of these featured components are protected within a rugged, pre–painted metal cabinet lined with super–thick, high–density insulation. For neat, high quality installations, the unit exterior features sweat refrigerant connections for simple leak free performance, and multiple electrical entry for both high and low voltage service.

For superior technology and unmatched comfort, the environmentally sound and efficient FE4A and FE5A fan coils can't be beat.

FEATURES

Smart Diagnostics

- Self configuring (ease of installation)
- Easier troubleshooting, providing faster service and repair
- Energy Tracking capability with the Evolution® Connex™ Wall Control w/software version 13 or later
  (Energy Tracking has the ability to monitor and estimate the energy consumption of your Evolution® system.)

Environmentally−Sound Refrigerant Technology

- Puron® refrigerant the chlorine−free, non−ozone depleting refrigerant
- Thermostatic Expansion Valve (TXV) designed to maximize performance with Puron® refrigerant

Energy Efficient Operation

- Electronically Commutated Motor (ECM) operates efficiently at all speeds
- Maximizes efficiency of heating and cooling systems
- Ultra−low power consumption during fan only operation

Comfort Control

- Warm, comfortable heating air temperatures
- Unmatched humidity control

Airflow and Sound Technology

- Logarithmic spiral blower housings for high blower efficiency and quiet operation
- Diffuser air discharge section for high airflow efficiency and quiet, smooth operation
- High duct static capability
- Unique cabinet design that meets new stringent regulations for air leakage. Meets requirements of a 2% cabinet leakage rate when tested at 1.0 in wc of static pressure.

Condensate Control and Disposal Technology

- Minimal standing water − less microbial growth for improved IAQ and reduced condensate line clogging and related condensate leakage
- Condensate fittings relocated away from turbulent airflow patterns at the blower entrance for improved condensate control performance
- Overflow feature for slope coil units allows condensate to exit the unit without damage to product under clogged primary and secondary line conditions
- Tested for condensate disposal at conditions much more severe than those required by ARI
- Primary and secondary drain connections to comply with HUD
- All pans constructed of an injection molded glass−filled polycarbonate engineered resin material, with brass drain connections
- High density, super thick cabinetry insulation with vapor barrier
- Pre−painted galvanized sheet metal cabinet

Heat Transfer Technology

- Grooved tubing
- Lanced sine wave aluminum fins
- Discreet refined counterflow refrigerant circuitry
- Bi−flow hard−shutoff TXV metering device

Quality Assisting, Ease of Installation and Service Features

- Easy 4 wire hook up: convenient and reduces installation time.
- FE4A unit is multipoise
- FE5A unit is upflow/downflow only (single drain pan).
- Provision made for suspending from roof or ceiling joints
- Modular cabinet on sizes 003 through 006
- Sweat connections for leak free service
- Multiple electrical entry for application flexibility (high and low voltage)
- Low voltage terminal strip, to safely hold connections within the cabinet
- Cabinet construction features innovations designed to prevent cabinet sweating

Controls and Electrical Features

- Easy plug connection provided for quick installation of accessory heater packages
- 40VA 208/230v transformer
- Replaceable 3−amp blade−type auto fuse protects against transformer secondary short

Filter Features

- Factory supplied filter
- Cleanable polyester filter media
- Filter “springs” out for easy access − no tools required
- Newly improved filter rack area − filter door insulation added for an improved air seal

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12
F	E	4	A	N	B	0	0	2	0	0	0

Product
F = Fan Coil

Type
E = Evolution®, VS, Puron® Refrigerant

Position
4 = Multi–poise
5 = Upflow / Downflow

Series
A

Electrical
N = 208/230v, 1ph–60 Hz

Cabinet / **Insulation**
B = Modular
F = Single piece

Capacity
002 = 18–36,000
003 = 24–42,000
004 = 24–42,000
005 = 30–48,000
006 = 36–60,000

Coil Type
T00 = Tin–plated
000 = Copper
L00 = Aluminum

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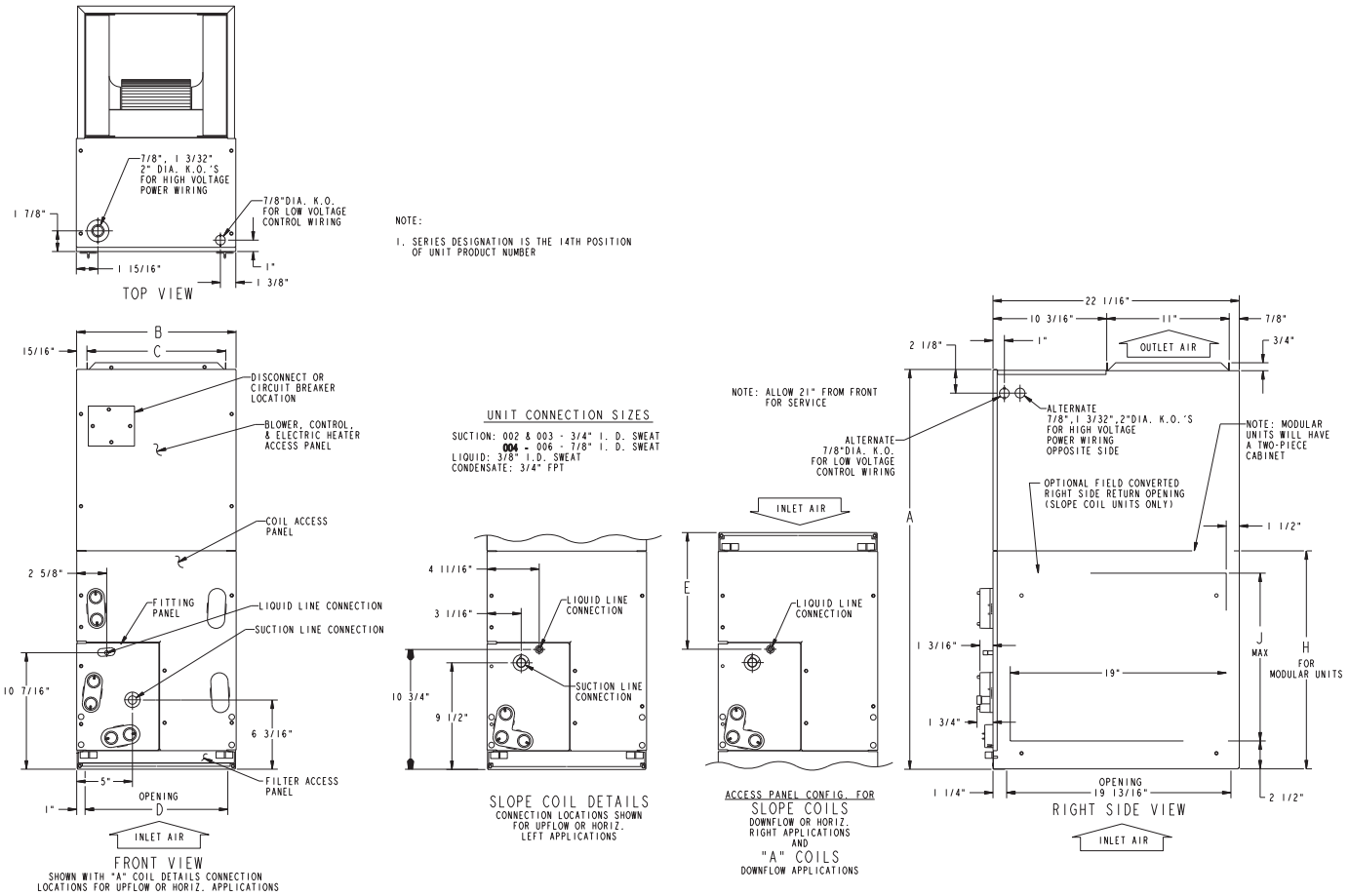
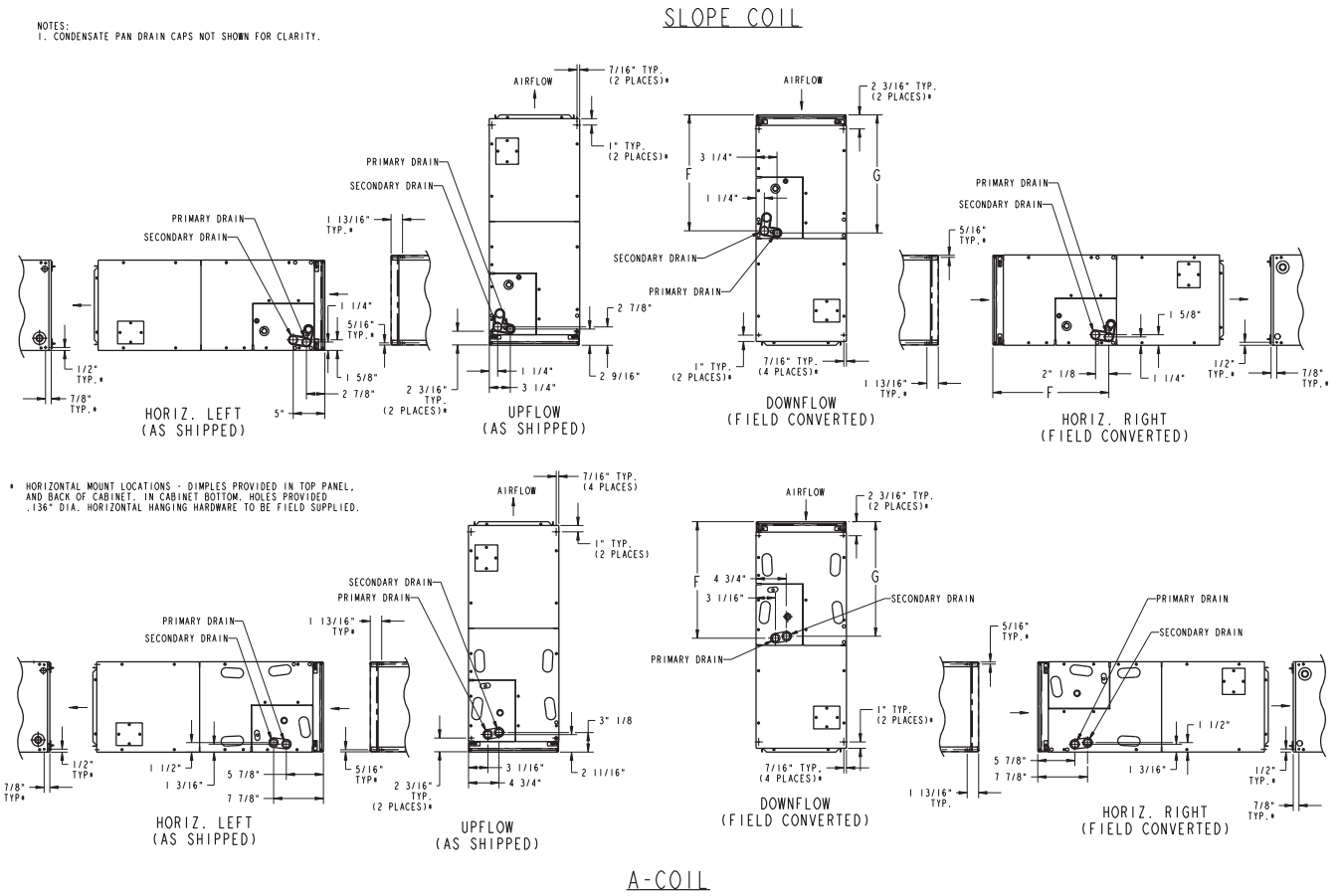


DIMENSIONS

UNIT	SIZE	A		B		C		D		E		H*	
		in	mm	in	mm	in	mm	in .	mm	in	mm	in	mm
FE4A	002	42–11/16	1084	17–5/8	448	15–3/4	400	15–5/8	397	10–3/4	273	—	—
FE4A	003	53–7/16	1357	21–1/8	537	19–1/4	489	19–1/8	486	19–3/16	487	—	—
FE4A	003*	53–7/16	1357	21–1/8	537	19–1/4	489	19–1/8	486	19–3/16	487	28–5/16	719
FE4A	005	53–7/16	1357	21–1/8	537	19–1/4	489	19–1/8	486	19–1/2	495	—	—
FE4A	005*	53–7/16	1357	21–1/8	537	19–1/4	489	19–1/8	486	19–1/2	495	28–5/16	719
FE4A	006*	59–3/16	1503	24–11/16	627	22–3/4	578	22–11/16	576	25–1/4	641	34–1/16	865
FE5A	004*	59–3/16	1503	24–11/16	627	22–3/4	578	22–11/16	576	25–1/4	641	34–1/16	865

* Modular Cabinet



DIMENSIONS

UNIT	SIZE	F		G		COIL CONFIGURATION		SHIPPING WEIGHT
		in	mm	in	mm	Slope	"A"	lb / kg
FE4A	002	18–9/16	472	18–1/4	464	—	Yes	135 / 61
FE4A	003	26–15/16	684	27–1/2	699	Yes	—	150 / 68
FE4A	003*	26–15/16	684	27–1/2	699	Yes	—	150 / 68
FE4A	005	27–1/4	692	26–15/16	684	—	Yes	172 / 78
FE4A	005*	27–1/4	692	26–15/16	684	—	Yes	172 / 78
FE4A	006*	32–15/16	837	32–5/8	829	—	Yes	207 / 94
FE5A	004*	32–15/16	837	32–5/8	829	—	Yes	200 / 91

* Modular Cabinet

PHYSICAL DATA

ORDERING NO.	FIELD−INSTALLED HEAT (kW)	NOMINAL COOLING CAPACITY (BTUH)	DIMENSIONS			SHIPPING WEIGHT lb / kg
			Height	Width	Depth	
FE4ANF002000 FE4ANF002T00 FE4ANF002L00	5, 8, 9, 10, 15, 20	18,000 to 36,000	42−11/16−in10 84 mm	17−5/8−in 448 mm	22−1/16−in 560 mm	135 lb 61 kg
FE4ANF003000 FE4AN(B,F)003T00 FE4AN(B,F)003L00	5, 8, 9, 10, 15, 18, 20	24,000 to 42,000	53−7/16−in 1357 mm	21−1/8−in 537 mm	22−1/16−in 560 mm	150 lb 68 kg
FE4ANF005000 FE4AN(B,F)005T00 FE4AN(B,F)005L00	5, 8, 9, 10, 15, 18, 20, 24, 30	30,000 to 48,000	53−7/16−in 1357 mm	21−1/8−in 537 mm	22−1/16−in 560 mm	172 lb 78 kg
FE4ANB006000 FE4ANB006T00 FE4ANB006L00	8, 9, 10, 15, 18, 20, 24, 30	36,000 to 60,000	59−3/16−in 1503 mm	24−11/16−in 627 mm	22−1/16−in 560 mm	207 lb 94 kg
FE5ANB004T00 FE5ANB004L00	5, 8, 9, 10, 15, 18, 20	24,000 to 42,000	59−3/16−in 1503 mm	24−11/16−in 627 mm	22−1/16−in 560 mm	200 lb 91 kg

SPECIFICATIONS

MODEL	FE4A				FE5A
SIZE	002	003	005	006	004
COIL					
Refrigerant Metering Device	Puron® Refrigerant (R−410A) TXV				
TXV Size	2 Ton	3 Ton	4 Ton	5 Ton	3 Ton
Configuration	A	Slope	A	A	A
Rows—Fins/In.	3 / 14.5				
Face Area (Sq Ft)	3.46	3.46	5.93	7.42	7.42
MATCHES OUTDOOR UNIT SIZES					
Nominal Cooling Tons	1.5, 2, 2.5, 3	2, 2.5, 3, 3.5	2.5, 3, 3.5, 4	3, 3.5, 4, 5	2, 2.5, 3, 3.5
FAN					
Air Discharge	Upflow, Downflow, Horizontal				Upflow, Downflow
CFM/Ton (Nominal Clg/Htg)	350+				
Motor HP (ECM)	1/2	1/2	1/2	3/4	3/4
Filter 21−1/2−in (546 mm) x	16−3/8−in (417 mm)	19−7/8−in (505 mm)	19−7/8−in (505 mm)	23−5/16−in (592 mm)	23−5/16−in (592 mm)
CABINET CONFIGURATION OPTIONS					
	1−piece	1−piece / Modular	1−piece / Modular	Modular	Modular

PERFORMANCE DATA

AIRFLOW DELIVERY — COOLING, HEATING, ELECTRIC HEATING MODES

The FE4 and FE5A fan coils will provide airflow at a rate that is requested by the Integrated System User Interface during air conditioning or heat pump heating (without electric heat) modes. The nominal airflow for both heating and cooling modes is 350 cfm/ton nominal size of the outdoor unit installed. The airflow actually requested by the User Interface is modified by its internal algorithms for zoning, comfort or efficiency concerns. Refer to the documentation for the User Interface for more information on how the User Interface controls the fan coil. Safe operation of electric heaters requires airflow delivery at or above the minimum CFM for electric heater application listed in the chart below. The fan coil will adjust its airflow delivery to maintain safe airflow as operating mode and staging conditions require.

FE4A/FE5A FAN COIL AIRFLOW DELIVERY CHART (CFM) — ELECTRIC HEATING MODELS

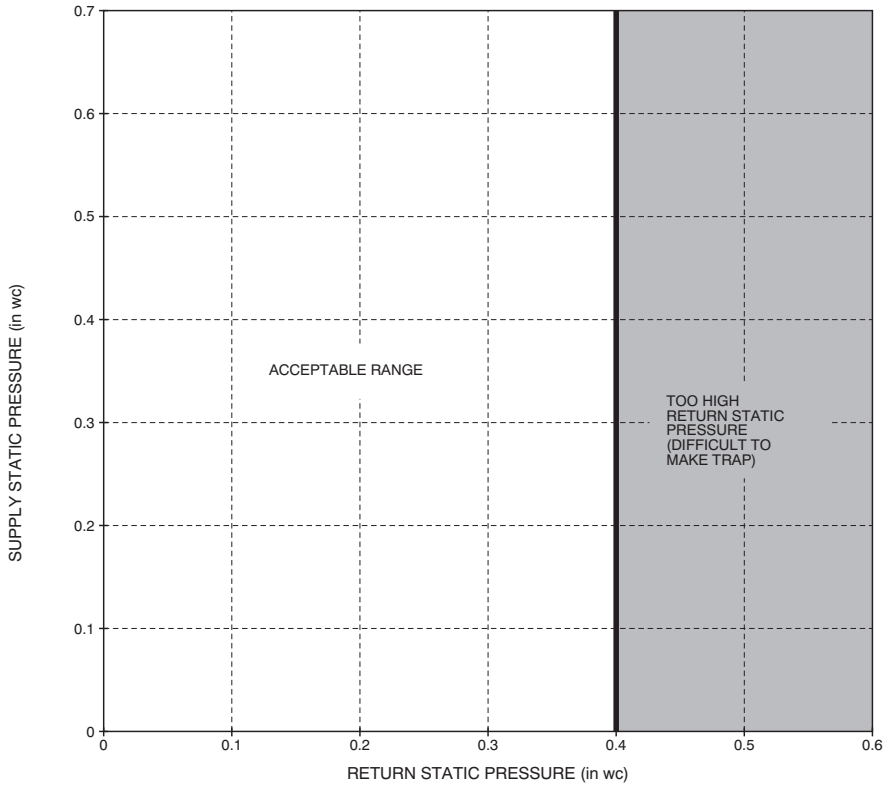
MODEL FE4A	OUTDOOR UNIT CAPACITY BTUH	ELECTRIC HEATER kW RANGE						
		5	9	10	15	20	24	30
002	EMERGENCY	625	625	675	775	950	—	—
	18,000	625	625	675	—	—	—	—
	24,000	650	725	775	900	—	—	—
	30,000	800	875	875	925	1125	—	—
	36,000	975	975	975	1025	1125	—	—
003	EMERGENCY	675	700	775	850	1050	—	—
	24,000	675	875	875	1100	1150	—	—
	30,000	800	875	875	1100	1150	—	—
	36,000	975	975	1025	1150	1250	—	—
	42,000	1125	1125	1125	1150	1350	—	—
005	EMERGENCY	675	700	775	850	1050	1400	1425
	30,000	800	875	875	1100	1150	—	—
	36,000	975	975	1025	1150	1250	—	—
	42,000	1125	1125	1125	1150	1250	—	—
	48,000	1305	1305	1305	1305	1350	1500	1600
006	EMERGENCY	1050	1050	1050	1050	1125	1750	1750
	36,000	1050	1050	1100	1350	1350	—	—
	42,000	1125	1125	1150	1350	1350	—	—
	48,000	1300	1300	1300	1350	1500	1750	1750
	60,000	1625	1625	1625	1625	1750	1750	1750
MODEL FE5A	**OUTDOOR UNIT CAPACITY BTUH**	**ELECTRIC HEATER kW RANGE**						
		5	**9**	**10**	**15**	**20**	**24**	**30**
004	EMERGENCY	675	775	775	900	1125	—	—
	24,000	975	975	975	—	—	—	—
	30,000	1050	1050	1100	1125	—	—	—
	36,000	1050	1050	1100	1350	1350	—	—
	42,000	1125	1125	1150	1350	1350	—	—

Note 1: Emergency – Air conditioner with electric heater application, or emergency heat.

Note 2: These airflows are minimum airflows as UL listed.

Note 3: Dashed entry indicates that the heater/fan coil/outdoor unit combination is not approved. Do not apply.

ACCEPTABLE DUCT CONDITIONS



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For satisfactory operation (specifically making dry secondary trap), subject fan coils must be installed with duct systems which fall within the “Acceptable Range” illustrated above.

MINIMUM RPM TABLE

MODEL	SYSTEM SIZES	CFM RANGE	MIN RPM
FE4ANF002	018, 024, 030, 036	150 – 1200	300
FE4AN(B,F)003	024, 030, 036, 042	200 – 1400	285
FE4AN(B,F)005	030, 036, 042, 048	250 – 1600	275
FE4ANB006	036, 042, 048, 060	500 – 2000	275
FE5ANB004	024, 030, 036, 042	500 – 1400	275

MAXIMUM STATIC TABLE

MODEL	AIRFLOW DELIVERY	AVAILABLE STATIC PRESSURE
FE4ANF002	525 CFM	1.00 in wc
	700 CFM	1.00 in wc
	875 CFM	1.00 in wc
	1050 CFM	0.80 in wc
	1200 CFM	0.60 in wc
FE4AN(B,F)003	700 CFM	1.00 in wc
	875 CFM	1.00 in wc
	1050 CFM	1.00 in wc
	1225 CFM	1.00 in wc
	1400 CFM	0.80 in wc
FE4AN(B,F)005	875 CFM	1.00 in wc
	1050 CFM	1.00 in wc
	1225 CFM	1.00 in wc
	1400 CFM	1.00 in wc
	1600 CFM	0.50 in wc
FE4ANB006	1050 CFM	1.00 in wc
	1225 CFM	1.00 in wc
	1400 CFM	1.00 in wc
	1750 CFM	1.00 in wc
	2000 CFM	0.60 in wc
FE5ANB004	700 CFM	1.00 in wc
	875 CFM	1.00 in wc
	1050 CFM	1.00 in wc
	1225 CFM	1.00 in wc
	1400 CFM	1.00 in wc

GROSS COOLING CAPACITIES (MBTUH)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F / °C)														
		35 / 2			40 / 4			45 / 7			50 / 10			55 / 13		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
FE4ANF002																
500	72/22	40.19	19.65	0.00	36.23	17.59	0.00	31.86	15.48	0.00	27.00	13.31	0.00	21.65	11.11	0.00
	67/19	32.99	19.92	0.01	28.96	17.79	0.01	24.52	15.62	0.01	19.64	13.40	0.01	14.28	11.17	0.01
	62/17	26.44	20.11	0.01	22.36	17.93	0.01	17.93	15.73	0.01	13.56	13.56	0.03	11.28	11.28	0.19
650	72/22	49.76	24.23	0.00	44.85	21.76	0.00	39.40	19.20	0.00	33.36	16.55	0.01	26.66	13.83	0.01
	67/19	40.90	24.80	0.01	35.90	22.22	0.01	30.37	19.55	0.02	24.27	16.82	0.02	17.58	14.06	0.02
	62/17	32.84	25.24	0.02	27.75	22.56	0.02	22.25	19.85	0.02	17.13	17.13	0.06	14.25	14.25	0.21
875	72/22	61.99	30.08	0.00	55.87	27.15	0.00	49.04	24.04	0.01	41.48	20.80	0.02	33.10	17.46	0.02
	67/19	51.08	31.23	0.03	44.83	28.09	0.03	37.91	24.84	0.03	30.23	21.47	0.03	21.83	18.03	0.03
	62/17	41.11	32.14	0.03	34.76	28.88	0.03	27.91	25.53	0.04	22.04	22.04	0.10	18.33	18.33	0.25
1000	72/22	67.83	32.91	0.00	61.10	29.76	0.00	53.66	26.40	0.02	45.36	22.89	0.03	36.17	19.27	0.03
	67/19	55.96	34.39	0.04	49.12	31.01	0.04	41.53	27.48	0.04	33.11	23.83	0.04	23.88	20.06	0.04
	62/17	45.09	35.62	0.04	38.13	32.08	0.04	30.69	28.43	0.05	24.54	24.54	0.12	20.40	20.40	0.27
1250	72/22	77.77	37.84	0.00	70.13	34.30	0.03	61.59	30.55	0.05	52.04	26.60	0.05	41.42	22.50	0.05
	67/19	64.36	40.02	0.06	56.52	36.24	0.06	47.77	32.27	0.06	38.04	28.12	0.06	27.46	23.81	0.07
	62/17	51.98	41.92	0.06	44.00	37.93	0.06	35.61	33.77	0.08	29.12	29.12	0.16	24.20	24.20	0.30
FE4ANF003																
600	72/22	43.01	20.98	0.00	38.69	18.78	0.00	33.92	16.51	0.00	28.64	14.18	0.00	22.85	11.81	0.01
	67/19	35.27	21.34	0.01	30.88	19.04	0.01	26.07	16.71	0.01	20.79	14.34	0.01	15.03	11.95	0.01
	62/17	28.24	21.59	0.01	23.81	19.25	0.01	19.05	16.90	0.02	14.56	14.56	0.05	12.11	12.11	0.21
800	72/22	53.83	26.15	0.00	48.40	23.49	0.00	42.36	20.71	0.00	35.72	17.83	0.02	28.38	14.89	0.02
	67/19	44.23	26.92	0.02	38.71	24.10	0.02	32.61	21.20	0.03	25.91	18.24	0.03	18.65	15.26	0.03
	62/17	35.47	27.49	0.03	29.87	24.58	0.03	23.89	21.65	0.03	18.67	18.67	0.09	15.51	15.51	0.24
1000	72/22	63.07	30.60	0.00	56.66	27.57	0.00	49.58	24.36	0.02	41.76	21.04	0.03	33.10	17.62	0.03
	67/19	51.91	31.82	0.04	45.41	28.58	0.04	38.24	25.24	0.04	30.31	21.78	0.04	21.76	18.29	0.05
	62/17	41.71	32.80	0.04	35.12	29.43	0.04	28.13	26.00	0.05	22.41	22.41	0.12	18.60	18.60	0.27
1200	72/22	71.01	34.48	0.00	63.77	31.12	0.02	55.79	27.57	0.04	46.95	23.88	0.05	37.18	20.08	0.05
	67/19	58.54	36.17	0.05	51.21	32.59	0.05	43.10	28.87	0.06	34.13	25.02	0.06	24.47	21.08	0.06
	62/17	47.12	37.60	0.06	39.70	33.86	0.06	31.89	30.00	0.07	25.83	25.83	0.15	21.43	21.43	0.29
1400	72/22	77.95	37.95	0.01	70.07	34.31	0.04	61.29	30.47	0.06	51.54	26.47	0.06	40.78	22.33	0.07
	67/19	64.44	40.15	0.07	56.37	36.28	0.07	47.43	32.24	0.07	37.54	28.04	0.07	26.89	23.69	0.08
	62/17	51.95	42.08	0.07	43.78	37.99	0.08	35.30	33.73	0.09	28.95	28.95	0.19	24.01	24.01	0.32
FE5ANB004																
600	72/22	40.42	19.84	0.00	36.59	17.80	0.00	32.35	15.70	0.00	27.64	13.54	0.00	22.39	11.33	0.00
	67/19	33.22	20.00	0.00	29.31	17.90	0.00	24.99	15.74	0.00	20.19	13.53	0.00	14.87	11.27	0.00
	62/17	26.67	20.11	0.00	22.69	17.95	0.00	18.31	15.75	0.00	13.60	13.54	0.00	11.29	11.29	0.17
800	72/22	52.07	25.46	0.00	47.19	22.92	0.00	41.75	20.28	0.00	35.66	17.53	0.00	28.84	14.70	0.00
	67/19	42.88	25.89	0.00	37.88	23.24	0.00	32.31	20.49	0.00	26.10	17.66	0.00	19.18	14.75	0.00
	62/17	34.51	26.21	0.00	29.39	23.46	0.00	23.73	20.64	0.00	17.81	17.81	0.01	14.85	14.85	0.18
1000	72/22	62.54	30.48	0.00	56.75	27.53	0.00	50.25	24.45	0.00	42.94	21.21	0.00	34.73	17.84	0.00
	67/19	51.63	31.28	0.00	45.66	28.17	0.01	38.98	24.93	0.01	31.49	21.55	0.01	23.12	18.06	0.01
	62/17	41.65	31.91	0.01	35.51	28.66	0.01	28.71	25.30	0.01	21.89	21.89	0.03	18.26	18.26	0.19
1200	72/22	71.89	34.94	0.00	65.33	31.70	0.00	57.89	28.24	0.00	49.50	24.59	0.00	40.06	20.76	0.00
	67/19	59.49	36.20	0.01	52.68	32.73	0.01	45.02	29.06	0.01	36.39	25.22	0.01	26.71	21.21	0.01
	62/17	48.10	37.22	0.01	41.07	33.55	0.01	33.27	29.72	0.01	25.77	25.77	0.05	21.51	21.51	0.20
1400	72/22	80.24	38.94	0.00	73.00	35.45	0.00	64.73	31.69	0.00	55.41	27.69	0.01	44.86	23.46	0.01
	67/19	66.53	40.71	0.01	58.99	36.93	0.01	50.47	32.91	0.02	40.84	28.66	0.02	29.98	24.20	0.02
	62/17	53.91	42.17	0.02	46.10	38.14	0.02	37.43	33.92	0.02	29.46	29.46	0.07	24.60	24.60	0.22
FE4ANF005																
750	72/22	57.24	28.01	0.00	51.64	25.08	0.00	45.46	22.08	0.00	38.59	19.00	0.00	30.99	15.85	0.00
	67/19	46.98	28.35	0.00	41.29	25.33	0.00	35.01	22.24	0.00	28.09	19.09	0.00	20.47	15.90	0.01
	62/17	37.67	28.59	0.01	31.89	25.50	0.01	25.61	22.37	0.01	19.28	19.28	0.02	16.05	16.05	0.19
950	72/22	69.68	33.97	0.00	62.89	30.52	0.00	55.32	26.92	0.00	46.89	23.21	0.00	37.57	19.40	0.00
	67/19	57.29	34.68	0.01	50.33	31.06	0.01	42.64	27.33	0.01	34.14	23.51	0.01	24.80	19.63	0.01
	62/17	45.99	35.21	0.01	38.92	31.47	0.01	31.24	27.68	0.01	23.90	23.90	0.04	19.89	19.89	0.20
1150	72/22	80.80	39.28	0.00	72.96	35.40	0.00	64.17	31.32	0.00	54.37	27.06	0.01	43.48	22.66	0.01
	67/19	66.56	40.46	0.02	58.50	36.34	0.02	49.54	32.05	0.02	39.60	27.64	0.02	28.70	23.15	0.02
	62/17	53.51	41.36	0.02	45.29	37.07	0.02	36.38	32.70	0.02	28.26	28.26	0.07	23.51	23.51	0.22
1500	72/22	97.47	47.29	0.00	88.05	42.83	0.00	77.49	38.05	0.01	65.68	33.04	0.02	52.41	27.78	0.02
	67/19	80.52	49.40	0.03	70.85	44.58	0.03	60.01	39.53	0.03	47.89	34.25	0.03	34.64	28.83	0.04
	62/17	64.96	51.12	0.03	55.02	46.04	0.03	44.30	40.80	0.04	35.27	35.27	0.10	29.34	29.34	0.25
1700	72/22	105.61	51.26	0.00	95.43	46.52	0.01	84.03	41.43	0.03	71.21	36.06	0.03	56.82	30.42	0.03
	67/19	87.38	53.92	0.04	76.93	48.80	0.04	65.20	43.40	0.04	52.01	37.70	0.04	37.60	31.83	0.05
	62/17	70.60	56.17	0.04	59.87	50.74	0.04	48.32	45.08	0.05	38.96	38.96	0.13	32.40	32.40	0.27
FE4ANB006																
1050	72/22	76.01	37.07	0.00	68.82	33.39	0.00	60.76	29.56	0.00	51.72	25.55	0.00	41.64	21.42	0.00
	67/19	62.63	37.91	0.01	55.22	34.04	0.01	46.97	30.03	0.01	37.78	25.89	0.01	27.60	21.64	0.01
	62/17	50.40	38.54	0.01	42.81	34.53	0.01	34.49	30.41	0.01	26.28	26.28	0.03	21.90	21.90	0.19
1300	72/22	89.66	43.58	0.00	81.26	39.43	0.00	71.77	35.02	0.00	61.13	30.39	0.00	49.17	25.55	0.01
	67/19	74.04	45.04	0.01	65.36	40.60	0.01	55.62	35.94	0.01	44.72	31.09	0.01	32.62	26.09	0.01
	62/17	59.73	46.18	0.01	50.78	41.52	0.02	40.97	36.70	0.02	31.77	31.77	0.06	26.48	26.48	0.21
1750	72/22	110.09	53.41	0.00	99.92	48.64	0.00	88.41	43.46	0.01	75.38	37.95	0.02	60.66	32.13	0.02
	67/19	91.28	56.16	0.02	80.74	50.96	0.03	68.83	45.42	0.03	55.35	39.55	0.03	40.35	33.42	0.03
	62/17	73.94	58.45	0.03	63.04	52.91	0.03	51.08	47.08	0.03	40.82	40.82	0.10	34.04	34.04	0.24
2050	72/22	121.19	58.89	0.00	110.14	53.79	0.01	97.57	48.25	0.02	83.25	42.30	0.03	67.02	35.98	0.03
	67/19	100.75	62.56	0.04	89.24	56.99	0.04	76.15	51.01	0.04	61.30	44.63	0.04	44.72	37.88	0.04
	62/17	81.81	65.71	0.04	69.88	59.72	0.04	56.88	53.37	0.05	46.27	46.27	0.12	38.60	38.60	0.26
2200	72/22	126.10	61.36	0.00	114.71	56.14	0.02	101.67	50.45	0.03	86.78	44.32	0.03	69.87	37.76	0.04
	67/19	104.99	65.51	0.04	93.05	59.79	0.04	79.44	53.62	0.04	63.97	47.02	0.04	46.71	40.00	0.05
	62/17	85.35	69.12	0.04	72.98	62.94	0.05	59.55	56.35	0.06	48.85	48.85	0.14	40.75	40.75	0.27

CFM — Cubic Ft per Minute
EWB — Entering Wet Bulb (°F / °C)
LWB — Leaving Wet Bulb (°F / °C)
TC — Gross Cooling Capacity 1000 Btuh
SHC — Gross Sensible Capacity 1000 Btuh
BF — Bypass Factor
MBH — 1000 Btuh

NOTES:

1. Contact manufacturer for cooling capacities at conditions other than shown in table.
2. Formulas:
   Leaving db = entering db $-\frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$
   Leaving wb = wb corresponding to enthalpy of air leaving coil (h_{lwb})
   $h_{lwb} = h_{ewb} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$
   where h_{ewb} = enthalpy of air entering coil. Direct interpolation is permissible. Do not extrapolate.
3. SHC is based on 80°F db temperature of air entering coil. Below 80°F db, subtract (Correction Factor x CFM) from SHC. Above 80°F db, add (Correction Factor x CFM) to SHC.
4. Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

SHC CORRECTION FACTOR

BYPASS FACTOR	ENTERING AIR DRY—BULB TEMPERATURE (°F)					
	79	78	77	76	75	Under 75
	81	82	83	84	85	Over 85
	Correction Factor					
0.10	.098	1.96	2.94	3.92	4.91	Use formula shown below
0.20	0.87	1.74	2.62	3.49	4.36	
0.30	0.76	1.53	2.29	3.05	3.82	

Interpolation is permissible.
Correction Factor = 1.09 x (1 — BF) x (db — 80)

ESTIMATED SOUND POWER LEVEL (dBA)

MODEL SIZE	CONDITIONS		OCTAVE BAND CENTER FREQUENCY						
	CFM	ESP	63	125	250	500	1000	2000	4000
FE4ANF002	400	0.25	61.0	57.0	55.0	50.0	48.0	46.0	42.0
	600	0.25	62.7	58.7	56.7	51.7	49.7	47.7	43.7
	800	0.25	64.0	60.0	58.0	53.0	51.0	49.0	45.0
	1000	0.25	65.0	61.0	57.0	56.0	52.0	50.0	46.0
	1200	0.25	65.8	61.8	57.8	56.8	52.8	50.8	46.8
	1400	0.25	66.4	62.4	58.4	57.4	53.4	51.4	47.4
FE4ANF003	400	0.25	61.0	57.0	55.0	50.0	48.0	46.0	42.0
	600	0.25	62.7	58.7	56.7	51.7	49.7	47.7	43.7
	800	0.25	64.0	60.0	58.0	53.0	51.0	49.0	45.0
	1000	0.25	65.0	61.0	59.0	54.0	52.0	50.0	46.0
	1200	0.25	65.8	61.8	59.8	54.8	52.8	50.8	46.8
	1400	0.25	66.4	62.4	58.4	57.4	53.4	51.4	47.4
	1600	0.25	67.0	63.0	59.0	58.0	54.0	52.0	48.0
FE5ANB004	600	0.25	62.7	58.7	56.7	51.7	49.7	47.7	43.7
	800	0.25	64.0	60.0	58.0	53.0	51.0	49.0	45.0
	1000	0.25	65.0	61.0	59.0	54.0	52.0	50.0	46.0
	1200	0.25	65.8	61.8	59.8	54.8	52.8	50.8	46.8
	1400	0.25	66.4	62.4	60.4	55.4	53.4	51.4	47.4
	1600	0.25	67.0	63.0	61.0	56.0	54.0	52.0	48.0
FE4ANF005	400	0.25	61.0	57.0	55.0	50.0	48.0	46.0	42.0
	600	0.25	62.7	58.7	56.7	51.7	49.7	47.7	43.7
	800	0.25	64.0	60.0	58.0	53.0	51.0	49.0	45.0
	1000	0.25	65.0	61.0	59.0	54.0	52.0	50.0	46.0
	1200	0.25	65.8	61.8	59.8	54.8	52.8	50.8	46.8
	1400	0.25	66.4	62.4	58.4	57.4	53.4	51.4	47.4
	1600	0.25	67.0	63.0	59.0	58.0	54.0	52.0	48.0
FE4ANB006	600	0.25	62.7	58.7	56.7	51.7	49.7	47.7	43.7
	800	0.25	64.0	60.0	58.0	53.0	51.0	49.0	45.0
	1000	0.25	65.0	61.0	59.0	54.0	52.0	50.0	46.0
	1200	0.25	65.8	61.8	59.8	54.8	52.8	50.8	46.8
	1400	0.25	66.4	62.4	60.4	55.4	53.4	51.4	47.4
	1600	0.25	67.0	63.0	61.0	56.0	54.0	52.0	48.0
	1800	0.25	67.5	63.5	59.5	58.5	54.5	52.5	48.5
	2000	0.25	68.0	64.0	60.0	59.0	55.0	53.0	49.0
	2150	0.25	68.3	64.3	60.3	59.3	55.3	53.3	49.3

*Est. sound power levels have been derived using the method described in the 1987 ASHRAE HVAC Systems & Applications Handbook, chapter 52, p. 52.7.

AIRFLOW PERFORMANCE CORRECTION FACTORS

HEATER kW	ELEMENTS	STATIC PRESSURE CORRECTION (in wc)	
		Sizes 002–005	Size 006
0	0	+.02	+.03
5	1	+.01	+.02
8, 10	2	0	0
9, 15	3	–.02	–.03
20	4	–.04	–.06
18, 24, 30	6	–.06	–.10

The airflow performance table was developed using fan coils with 10kW electric heaters (2 elements) in the units. For fan coils with heaters made up of a different number of elements, the external available static at a given CFM from the table may be corrected by adding or subtracting pressure. Use table for this correction.

FACTORY–INSTALLED FILTER STATIC PRESSURE DROP (in wc)

MODEL	CFM								
FE4A	**400**	**600**	**800**	**1000**	**1200**	**1400**	**1600**	**1800**	**2000**
002	0.020	0.044	0.048	0.072	0.100	—	—	—	—
003	—	0.020	0.035	0.051	0.070	0.092	—	—	—
005	—	—	0.035	0.051	0.070	0.092	0.120	—	—
006	—	—	—	0.038	0.053	0.070	0.086	0.105	0.133
MODEL	**CFM**								
FE5A	**400**	**600**	**800**	**1000**	**1200**	**1400**	**1600**	**1800**	**2000**
004	—	0.015	0.026	0.038	0.053	0.070	—	—	—

AIR DELIVERY PERFORMANCE CORRECTION COMPONENT PRESSURE DROP (in wc) AT INDICATED AIRFLOW (DRY TO WET COIL)

MODEL FE4A	CFM										
	600	**700**	**800**	**900**	**1000**	**1100**	**1200**	**1300**	**1400**	**1500**	**1600**
002	0.012	0.016	0.022	0.028	0.034	0.040	0.049	—	—	—	—
003	—	0.026	0.034	0.042	0.052	0.063	0.075	0.083	0.091	0.098	0.110
005	—	0.006	0.008	0.010	0.012	0.015	0.017	0.020	0.023	0.027	0.030
	CFM										
	1100	**1200**	**1300**	**1400**	**1500**	**1600**	**1700**	**1800**	**1900**	**2000**	**2100**
006	0.013	0.016	0.018	0.020	0.023	0.027	0.030	0.034	0.039	0.044	0.048
MODEL FE5A	**CFM**										
	600	**700**	**800**	**900**	**1000**	**1100**	**1200**	**1300**	**1400**	**1500**	**1600**
004	0.004	0.005	0.007	0.009	0.011	0.013	0.016	0.018	0.020	0.023	—

NOTE: Subtract the above pressure drop corrections from unit airflow data when that component or condition is used. The remaining external static pressure will be available for the duct system.

UNITS WITHOUT ELECTRIC HEAT

UNIT SIZE	VOLTS–PHASE	FLA	MIN CKT AMPS	BRANCH CIRCUIT	
				Min Wire Size Awg*	Fuse/Ckt Bkr Amps
002	208/230–1	4.3	5.4	14	15
003	208/230–1	4.3	5.4	14	15
005	208/230–1	4.3	5.4	14	15
004, 006	208/230–1	6.8	8.5	14	15

* Use copper wire only to connect unit. 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).

NOTE: If branch circuit wire length exceeds 100–ft (30.5 m), consult NEC 210–19a to determine maximum wire length. Use 2% voltage drop.

FLA — Full Load Amps

ACCESSORY ELECTRIC HEATERS

HEATER PART NO.	kW @ 240V	VOLTS/ PHASE	STAGES (kW OPERATING)	INTERNAL CIRCUIT PROTECTION	FAN COIL SIZE USED WITH	HEATING CAP. @ 230V‡	INTELLIGENT HEAT CAPABLE (kW OPERATING)
KFCEH0501N05	5	230/1	5	None	All	15,700	—
KFCEH0901N10	10	230/1	10	None	All	31,400	—
KFCEH3001F15	15	230/1	5, 15	Fuses**	All	47,100	5, 10, 15
KFCEH3201F20	20	230/1	5, 20	Fuses**	All	62,800	5, 10, 15, 20
KFCEH2901N09	9	230/1*	3, 9	None	All	28,300	3, 6, 9
KFCEH1601315	15	230/3	5, 15	None	All	47,100	—
KFCEH3401F24	24	230/3†	8, 16, 24	Fuses	005, 006	78,500	8, 16, 24
KFCEH3501F30	30	230/3†	10, 20, 30	Fuses	005, 006	94,200	10, 20, 30
KFCEH2401C05	5	230/1	5	Ckt Bkr	All	15,700	—
KFCEH2601C10	10	230/1	10	Ckt Bkr	All	31,400	—
KFCEH3101C15	15	230/1	5, 15	Ckt Bkr	All	47,100	5, 10, 15
KFCEH3301C20	20	230/1	5, 20	Ckt Bkr	All	62,800	5, 10, 15, 20

* Field convertible to 3 phase.

** Single point wiring kit required for these heaters in Canada.

† These heaters field convertible to single phase.

‡ Blower motor heat not included.

ELECTRIC HEATER INTERNAL PROTECTION

HEATER kW	PHASE	FUSES QTY / SIZE	CKT BKR QTY / SIZE*
5	1	—	1/60
8	1	—	1/60
9	1/3	—	—
10	1	—	1/60
15	1	2/30, 2/60	2/60
15	3	—	—
18	3	—	—
20	1	4/60	2/60
24	3/1	6/60	—
30	3/1	6/60	—

* All circuit breakers are 2 pole.

ACCESSORY ELECTRIC HEATER ELECTRICAL DATA

HEATER PART NO.	kW		PHASE	INTERNAL CIRCUIT PROTECTION	HEATER AMPS 208/230V			BRANCH CIRCUIT													
								Min Ampacity 208/230V**			Min Wire Size (AWG) 208/230V††			Min Gnd Wire Size 208/230V			Max Fuse/Ckt Bkr Amps 208/230V			Max Wire Length 208/230V (ft)‡‡		
					Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit	
	240v	208v				L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4
KFCEH0501N05	5	3.8	1	None	18.1/20.0	—	—	31.2/33.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	85/88	—	—
KFCEH2401C05	5	3.8	1	Ckt Bkr	18.1/20.0	—	—	31.2/33.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	85/88	—	—
KFCEH0801N08	8	6.0	1	None	28.9/32.0	—	—	44.7/48.5	—	—	8/8	—	—	10/10	—	—	45/50	—	—	59/60	—	—
KFCEH2501C08	8	6.0	1	Ckt Bkr	28.9/32.0	—	—	44.7/48.5	—	—	8/8	—	—	10/10	—	—	45/50	—	—	59/60	—	—
KFCEH2901N09*	9	6.8	1	None	32.8/36.0	—	—	49.5/53.5	—	—	8/6	—	—	10/10	—	—	50/60	—	—	54/87	—	—
KFCEH2901N09*‡	9	6.8	3	None	18.8/20.8	—	—	32.0/34.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	83/85	—	—
KFCEH0901N10	10	7.5	1	None	36.2/40.0	—	—	53.8/58.5	—	—	6/6	—	—	10/10	—	—	60/60	—	—	78/80	—	—
KFCEH2601C10	10	7.5	1	Ckt Bkr	36.2/40.0	—	—	53.8/58.5	—	—	6/6	—	—	10/10	—	—	60/60	—	—	78/80	—	—
KFCEH3001F15*[1]	15	11.3	1	Fuse	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
KFCEH3101C15*	15	11.3	1	Ckt Bkr	—	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	75/76
KFCEH1601315	15	11.3	3	None	31.3/34.6	—	—	47.7/51.8	—	—	8/6	—	—	10/10	—	—	50/60	—	—	56/90	—	—
KFCEH2001318	18	13.5	3	None	37.6/41.5	—	—	55.5/60.4	—	—	6/6	—	—	10/8	—	—	60/70	—	—	76/77	—	—
KFCEH3201F20*[1]	20	15.0	1	Fuse	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
KFCEH3301C20*	20	15.0	1	Ckt Bkr	—	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
KFCEH3401F24*†	24	18.0	3	Fuse	50.1/55.4	—	—	71.2/77.8	—	—	4/4	—	—	8/8	—	—	80/80	—	—	94/95	—	—
	24	18.0	1	Fuse	86.7/95.5	—	—	116.9/127.9	—	—	1/1	—	—	6/6	—	—	125/150	—	—	115/116	—	—
KFCEH3501F30*†	30	22.5	3	Fuse	62.6/69.2	—	—	86.8/95.0	—	—	3/3	—	—	8/8	—	—	90/100	—	—	97/98	—	—
	30	22.5	1	Fuse	109.0/120.0	—	—	144.8/158.5	—	—	0/00	—	—	6/6	—	—	150/175	—	—	117/150	—	—

FIELD MULTIPOINT WIRING OF 24–AND 30–kW SINGLE PHASE

HEATER PART NO.	kW		PHASE	HEATER AMPS 208/230V			MIN AMPACITY 208/230V**			MIN WIRE SIZE (AWG) 208/230V††			MIN GND WIRE SIZE 208/230V	MAX FUSE/CKT BKR AMPS 208/230V			MAX WIRE LENGTH 208/230V (FT)‡‡		
	240V	208V		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6
KFCEH3401F24*†	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	45/50	40/40	40/40	59/60	73/73	73/73
KFCEH3501F30*†	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	60/60	50/50	50/50	78/80	59/59	59/59

* Heaters are Intelligent Heat capable when used with the FE fan coil and Zone Perfect Plus™ or Evolution Control™.

† Field convertible to 1 phase, single or multiple supply circuit.

‡ Field convertible to 3 phase.

** Includes blower motor amps of largest fan coil used with heater.

†† 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).

‡‡ Length shown is as measured 1 way along wire path between unit and service panel for a voltage drop not to exceed 2%.

NOTES:

1. Single circuit application of F15 and F20 heaters requires single–point wiring kit accessory.

ACCESSORIES

REQUIRED ACCESSORY

ITEM		ACCESSORY PART NO.*	FAN COIL SIZE USED WITH
1.	Evolution® Connex™ Control with Integrated Wi−Fi	SYSTXBBECC01	All
	or		
	Evolution® Connex™ Control Wi−Fi with bundled router	SYSTXBBECW01	All
	or		
	Evolution® Connex™ Control	SYSTXBBECN01	All

ADDITIONAL ACCESSORIES

ITEM		ACCESSORY PART NO.*	FAN COIL SIZE USED WITH
2.	Evolution® Series 4 Zone Board	SYSTXBB4ZC01	All
3.	Evolution® Series Smart Sensor	SYSTXBBSMS01−D	All
4.	Evolution® Remote Room Sensor	SYSTXBBRRS01	All
5.	Evolution® Series Network Interface Module	SYSTXBBNIM01	All
6.	Disconnect Kit	KFADK0201DSC	Cooling controls and heaters 3− through 10−kW
7.	Downflow Base Kit	KFACB0201CFB	002
		KFACB0301CFB	003, 005
		KFACB0401CFB	004, 006
8.	Downflow Conversion Kit	KFADC0201SLP	003
		KFADC0401ACL	002, 004, 005, 006
9.	Single−Point Wiring Kit	KFASP0101SPK	Only with 15− and 20−kW Fused Heaters
10.	Filter Kit (12 Pack)	KFAFK0212MED	002
		KFAFK0312LRG	003, 005
		KFAFK0412XXL	004, 006
11.	Filter Media Cabinet	FNCCABBB0017	002
		FNCCABBB0021	003, 005
		FNCCABBB0024	004, 006
12.	Media Filter Cartridges	FILBBFNC0017	002
		FILBBFNC0021	003, 005
		FILBBFNC0024	004, 006
13.	Evolution® Series Air Purifier	GAPABXBB1620	002
		GAPABXBB2020	003, 005
		GAPABXBB2024	004, 006
14.	PVC Condensate Trap Kit (50 pack)	KFAET0150ETK	All
15.	Air Cleaner 240−volt Conversion Kit	KEAVC0201240	All
16.	Downflow/Horizontal Conversion Gasket Kit	KFAHD0101SLP	All
17.	Airflow Sensor Kit (Air Cleaner)	KEAAC0101AAA	All
18.	Horizontal Water Management Kit (25 pack)	KFAHC0125AAA	All
19.	Standard Filter Rack Kit	KFAFR0101FRM	NA
		KFAFR0201FRM	002
		KFAFR0301FRM	003, 005
		KFAFR0401FRM	004, 006
20.	Hydronic Relay Interface Kit	KFAIF0101HWC	All

* Factory authorized and listed, field installed.

ACCESSORIES (CONT.)

Accessory Kits Description Suggested and Required Use

1. **Evolution® Connex™ Control with Integrated Wi−Fi**
   Deluxe programmable wall−mounted system control with integrated Wi−Fi.
   or
   Evolution® Connex™ Control Wi−Fi with bundled router
   Deluxe programmable wall−mounted system control with integrated Wi−Fi.
   Sold bundled with Wi−Fi router
   or
   Evolution® Connex™ Control
   Deluxe programmable wall−mounted system control without remote access.
2. **Evolution® 4 Zone Board**
   4−Zone Damper Control Module wall−mounted control.
   REQUIRED USE: For all four−zone systems. For systems with 5 to 8 zones, a second Damper Control Module is required.
3. **Evolution® Smart Sensor**
   Wall control used to monitor temperature and/or fan control.
   SUGGESTED USE: For use in zone systems.
4. **Evolution® Remote Room Sensor**
   Wired remote temperature sensor for zone control.
   SUGGESTED USE: For use in zone systems..
5. **Evolution® Series Network Interface Module**
   Connects Heat Recovery and Energy Recovery Ventilators on non−zoning applications and non−communicating 2−speed units.
   REQUIRED USE: For non−zoned systems installed with HRV or ERV, Hybrid Heat with non−communicating heat pumps or non−communicating 2−speed units.
6. **Disconnect Kit**
   The kit is used to disconnect electrical power to the fan coil so service or maintenance may be performed safely.
   SUGGESTED USE: Units for 3− through 10−kW electric resistance heaters and cooling controls.
7. **Downflow Base Kit**
   This kit is designed to provide a 1−in. minimum clearance between unit discharge plenum, ductwork, and combustible materials. It also provides a gap−free seal with the floor.
   REQUIRED USE: This kit must be used whenever fan coils are used in downflow applications.
8. **Downflow Conversion Kit**
   Fan coils are shipped from the factory for upflow or horizontal−left applications. Downflow conversion kits provide proper condensate water drainage and support for the coil when used in downflow applications. Separate kits are available for slope coils and A−coils.
   REQUIRED USE: This kit must be used whenever fan coils are used in downflow applications.
9. **Single Point Wiring Kit**
   The single point wiring kit acts as a jumper between L1 and L3 lugs, and between the L2 and L4 lugs. This allows the installer to run 2 heavy−gauge, high−voltage wires into the fan coil rather than 4 light−gauge, high−voltage wires.
   SUGGESTED USE: Fan coils with 15− and 20−kW fused heaters only.
10. **Filter Kit (12 pack)**
    The kit consists of 12 fan coil framed filters. These filters collect large dust particles from the return air entering the fan coil and prevents them from collecting on the coil. This process helps to keep the coil clean, which increases heat transfer and, in turn, the efficiency of the system.
    SUGGESTED USE: To replace filters in fan coils.
    REQUIRED USE: All units unless a filter grille is used.
11. **Filter Media Cabinet**
    This cabinet is mounted to the fan coil on the return air end and designed to slip over the outer fan coil casing. The cabinets are insulated using the same insulation as production fan coils. They are designed for the removal of particulates from indoor air using FILCCFNC00(14, 17, 21, 24) media filter cartridges.
    SUGGESTED USE: All fan coils.
12. **Media Filter Cartridges**
    These fan coil media filter cartridge kits are designed for the removal of particles from indoor air. The cartridge is installed in the return air duct next to the air handler or further upstream.
    SUGGESTED USE: All fan coils.
13. **Evolution® Series Air Purifier**
    The Evolution Series Air Purifier wires directly to fan coil and requires no duct transitions with Bryant units. It comes with an airflow sensor.
    SUGGESTED USE: All fan coils.
14. **Condensate Drain Trap Kit**
    This kit consists of 50 PVC condensate traps. Each trap is pre−formed and ready for field installation. This deep trap helps the system make and hold proper condensate flow even during blower initiation.
    SUGGESTED USE: All fan coils.
15. **Air Cleaner 240−volt Conversion Kit**
    The AIRA electronic air cleaner comes ready for 115−v operation.
    REQUIRED USE: This kit is required when running 240−volt circuit to air cleaner.

ACCESSORIES (CONT.)

16. **Downflow/Horizontal Conversion Gasket Kit**
    This kit provides the proper gasketing of units when applied in either a downflow or horizontal application.
    REQUIRED USE: Fan coils in either downflow or horizontal applications.
17. **Airflow Sensor Kit (Air Cleaner)**
    The AIRA electronic air cleaner comes ready for 115−v operation
    REQUIRED USE: This kit is required whenever an electronic air cleaner is used.
18. **Horizontal Water Management Kit**
    This kit provides proper installation of fan coils under conditions of high static pressure and high relative humidity.
    SUGGESTED USE: All fan coils (except FE5 and FF1).
19. **Standard Filter Rack Kit**
    This kit mounts in fan coil filter rack area and modifies the existing filter rack to support standard 1−in. filter sizes.
    SUGGESTED USE: Fan coils using standard filter sizes.
20. **Hydronic Relay Interface Kit**
    This kit provides interface of the FE4 and FE5 fan coils with Hydronic Heat equipment.
    NOTE: Electric heat cannot be used with Hydronic Interface Relay Kit.
    SUGGESTED USE: All FE4 and FE5 fan coils installed with hydronic heat.

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