

Representative photo only, some models may vary in appearance.

2 THRU 5 TONS SPLIT SYSTEM EBP Export Series

FEATURES

- 2 - 5 ton sizes available
- Multipoise design for maximum versatility
- 2-speed motor in 024 through 036 sizes
- 3-speed motor in 048 through 060 sizes
- Piston metering device
- Optional field installed bolt-on TXV for R22 and R410A
- Grooved copper tubing
- Lanced sine-wave aluminum fin
- Fully wettable coils
- High-impact thermoplastic condensate pan
- Primary and secondary drain connection with brass inserts
- Field-installed heater packages from 5-30 kW (fused, circuit breaker, or non-fused)
- Control board with built-in, replaceable, 5-amp, blade-type auto fuse
- Time-delay relay (TDR)
- High-density insulation for maximum protection
- Sweat connections
- Inspection plate for cleaning A-coil design
- Prepainted galvanized steel cabinet
- Multiple electric entry
- 40-VA, 208/230V transformer
- All models listed with UL and cUL
- Wood packing material meets ISPM-15 requirements



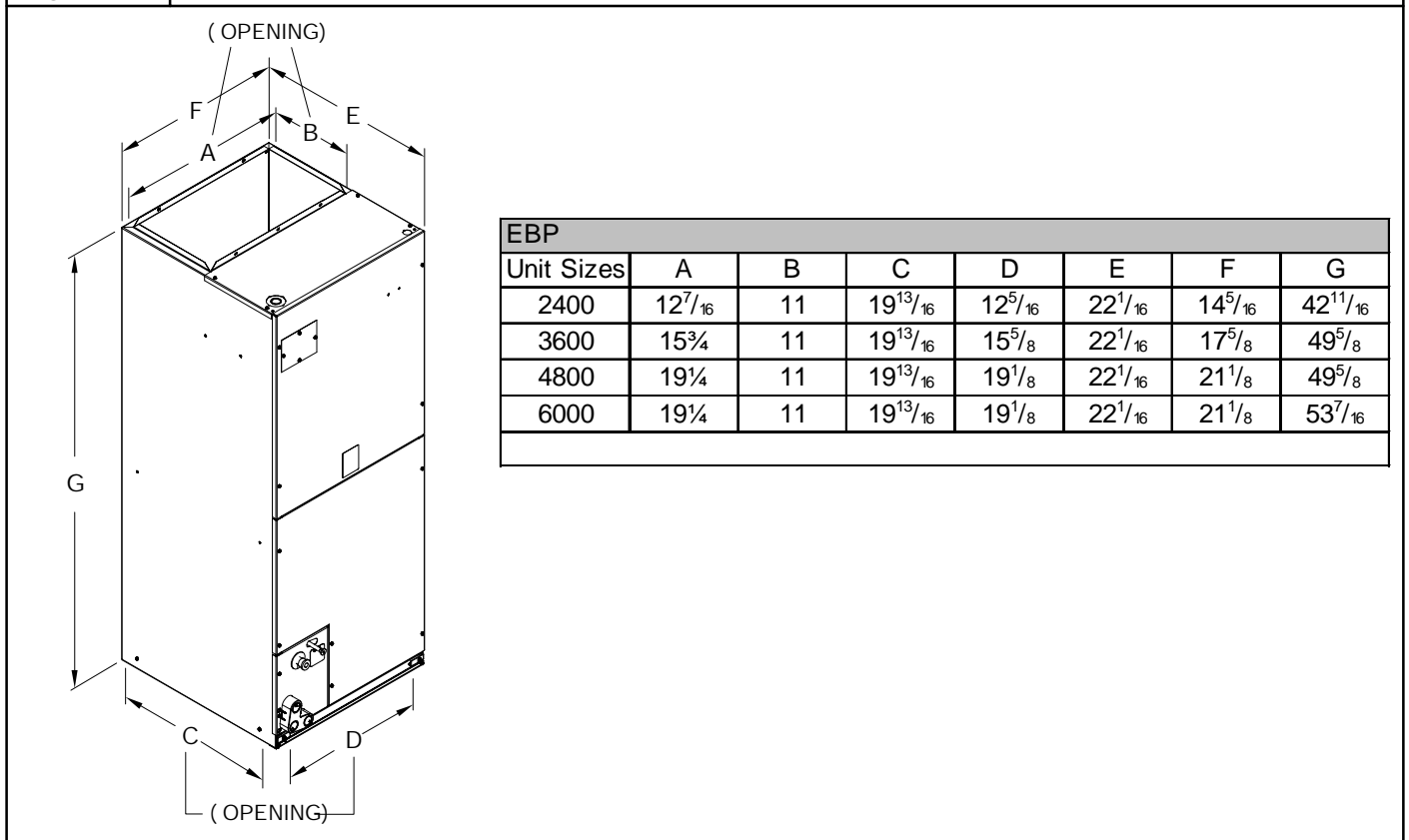
PHYSICAL DATA

Model Number	EBP2400E	EBP3600E	EBP4800E	EBP6000E
COIL				
Rows / Fins per inch	3 / 14.5	3 / 14.5	3 / 14.5	3 / 14.5
Face Area (Sq. Ft.)	2.23	2.97	4.45	5.93
Configuration	Slope	Slope	A	A
Line Sizes / Liquid (inch)	5/16	3/8	3/8	3/8
Line Sizes / Suction (inch)	3/4	7/8	7/8	7/8
FAN				
CFM (Nominal)	800	1200	1600	2000
Motor HP (PSC)	1/4	1/3	3/4	3/4
Filter Size (inches)	13 x 21½	16 ³ / ₈ x 21½	19 ⁷ / ₈ x 21½	19 ⁷ / ₈ x 21½
WEIGHTS				
Unit Weight (lbs.)	100	118	150	167
Shipping Weight (lbs.)	112	127	157	175

ELECTRICAL DATA - No Electric Heat

Factory Installed no heat kit	Supply Circuit			Supply Circuit No.	Maximum Motor AMPS.	Total AMPS.	Branch Circuit Capacity	Maximum Overcurrent Protective Device (AMPS.)	Recommended				
									Supply Wire 75° C. Copper			Ground Wire	
	Volts	Phase	Hertz						No.	Size	Max. Length (Ft)	No.	Size
EBAC01PLG	240	1	60	Single	6.0	6.0	7.5	15	2	14	104	1	14
	208	1	60	Single	6.0	6.0	7.5	15	2	14	90	1	14

Figure 1 Unit Dimensions



AIRFLOW PERFORMANCE (CFM)

Model and Size	Blower Motor Speed	EXTERNAL STATIC PRESSURE (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
EBP2400	High	940	975	890	925	835	865	780	805	715	735	635	650
	Low	820	900	785	855	745	805	700	750	640	680	545	575
EBP3600	High	1320	1405	1265	1345	1205	1280	1135	1210	1060	1120	960	1025
	Low	1100	1215	1070	1170	1020	1115	960	1060	890	980	805	895
EBP4800	High	1880	1935	1785	1830	1700	1735	1615	1645	1520	1555	1430	1460
	Medium	1740	1840	1660	1750	1585	1660	1510	1575	1435	1485	1350	1390
	Low	1425	1605	1395	1555	1360	1495	1315	1430	1255	1360	1170	1270
EBP6000	High	2145	2245	2085	2185	2030	2115	1965	2045	1905	1975	1830	1895
	Medium	2025	2175	1970	2110	1915	2050	1860	1980	1805	1905	1740	1830
	Low	1680	1895	1655	1855	1625	1810	1595	1765	1555	1705	1500	1645

NOTES:

- Airflow based upon dry coil at 230V with factory approved filter and electric heater (2 element heater sizes 24 through 36, 3 element heater sizes 48 through 60).
- Not recommended for use above 0.60 inches water column external static pressure.

FILTER STATIC PRESSURE DROP (Inches Water Column)

UNIT SIZE	CFM								
	400	600	800	1000	1200	1400	1600	1800	2000
24	-	0.044	0.075	0.110	-	-	-	-	-
36	-	-	-	0.072	0.100	0.130	-	-	-
48	-	-	-	-	-	0.092	0.120	0.152	-
60	-	-	-	-	-	-	0.120	0.152	0.187

MINIMUM CFM AND MOTOR SPEED SELECTION

FAN COIL SIZES	HEATER kW									
	3	5	8	9	10	15	18	20	24	30
24	700	700	700	-	700	775*	-	-	-	-
36	-	1050	970	970	970	920	-	1040	-	-
48	-	-	1400	1400	1400	1400	1400	1400	1400	1400
60	-	-	1750	1750	1750	1750	1750	1750	1750	1750

* Indicates medium speed (blue). All other motor speeds at low tap.

AIR DELIVERY PERFORMANCE CORRECTION (Inches Water Column) PRESSURE DROP AT INDICATED AIRFLOW FROM DRY TO WET COIL

UNIT SIZE	CFM									
	500	600	700	800	900	1000	1100	1200	1300	1350
24	0.035	0.051	0.066	0.080	0.091	-	-	-	-	-
36	-	-	-	-	-	0.073	0.081	0.091	0.098	0.102

UNIT SIZE	CFM									
	1200	1300	1400	1500	1600	1700	1800	1900	2000	
48	-	-	0.066	0.073	0.080	0.086	0.091	-	-	
60	-	-	-	-	0.051	0.057	0.063	0.069	0.073	

ACCESSORY ELECTRIC HEATER ELECTRICAL DATA

Heater Model	kW		Phase	Internal Circuit Protection	Heater Amps 208 / 230V		
	230v	208v			Single Circuit	Dual Circuit	
						L1,L2	L3,L4
EHK05AKN1	5	3.8	1	None	18.1 / 20.0	-	-
EHK05AKN2	5	3.8	1	None	18.1 / 20.0	-	-
EHK07AKN	8	6.0	1	None	28.9 / 32.0	-	-
EHK07AKB	8	6.0	1	Ckt Bkr	28.9 / 32.0	-	-
EHK09AKCN	9	6.8	1	None	32.8 / 36.0	-	-
EHK09AKCN[9	6.8	3	None	18.8 / 20.8	-	-
EHK10AKN	10	7.5	1	None	36.2 / 40.0	-	-
EHK10AKB	10	7.5	1	Ckt Bkr	36.2 / 40.0	-	-
EHK15AKF	15	11.3	1	Fuse	54.2 / 59.9	36.2 / 40.0	18.1 / 20.0
EHK15AKB	15	11.3	1	Ckt Bkr	-	36.2 / 40.0	18.1 / 20.0
EHK15AHN	15	11.3	3	None	31.3 / 34.6	-	-
EHK18AHN	18	13.5	3	None	37.6 / 41.5	-	-
EHK20AKF	20	15.0	1	Fuse	72.3 / 79.9	36.2 / 40.0	36.2 / 40.0
EHK20AKB	20	15.0	1	Ckt Bkr	-	36.2 / 40.0	36.2 / 40.0
EHK25AHCF]	24	18.0	3	Fuse	50.1 / 55.4	-	-
	24	18.0	1	Fuse	86.7 / 95.5	-	-
EHK30AHCF]	30	22.5	3	Fuse	62.6 / 69.2	-	-
	30	22.5	1	Fuse	109 / 120	-	-

ACCESSORY ELECTRIC HEATER ELECTRICAL DATA (CONT.)

Heater Model	Branch Circuit														
	Min. Ampacity 208 / 230V **			Min. Wire Size (AWG) 208 / 230V I			Min. Gnd. Wire Size 208 / 230V			Max Fuse/Ckt Bkr Amps			Max Wire Length 208 / 230V (ft.) [[
	Single Cir- cuit	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
EHK05AKN1	26.0 / 28.4	-	-	10 / 10	-	-	10 / 10	-	-	30 / 30	-	-	66 / 66	-	-
EHK05AKN2	31.2 / 33.5	-	-	8 / 8	-	-	10 / 10	-	-	35 / 35	-	-	85 / 88	-	-
EHK05AKB1	26.0 / 28.4	-	-	10 / 10	-	-	10 / 10	-	-	30 / 30	-	-	66 / 66	-	-
EHK05AKB2	31.2 / 33.5	-	-	8 / 8	-	-	10 / 10	-	-	35 / 35	-	-	85 / 88	-	-
EHK07AKN	44.7 / 48.5	-	-	8 / 8	-	-	10 / 10	-	-	45 / 50	-	-	59 / 60	-	-
EHK07AKB	44.7 / 48.5	-	-	8 / 8	-	-	10 / 10	-	-	45 / 50	-	-	59 / 60	-	-
EHK09AKCN	49.5 / 53.5	-	-	8 / 6	-	-	10 / 10	-	-	50 / 60	-	-	54 / 87	-	-
EHK09AKCN[32.0 / 34.5	-	-	8 / 8	-	-	10 / 10	-	-	35 / 35	-	-	83 / 85	-	-
EHK10AKN	53.8 / 58.5	-	-	6 / 6	-	-	10 / 10	-	-	60 / 60	-	-	78 / 80	-	-
EHK10AKB	53.8 / 58.5	-	-	6 / 6	-	-	10 / 10	-	-	60 / 60	-	-	78 / 80	-	-
EHK15AKF	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	-	53.8/58.5	22.7/25.0	-	6 / 6	10 / 10	-	10 / 10	10 / 10	-	60 / 60	25 / 25	-	78 / 80	75 / 76
EHK15AHN	47.7 / 51.8	-	-	8 / 6	-	-	10 / 10	-	-	50 / 60	-	-	56 / 90	-	-
EHK18AHN	55.5 / 60.4	-	-	6 / 6	-	-	10 / 8	-	-	60 / 70	-	-	76 / 77	-	-
EHK20AKF	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	-	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]	71.2 / 77.8	-	-	4 / 4	-	-	8 / 8	-	-	80 / 80	-	-	94 / 95	-	-
	116.9/127.9	-	-	1 / 1	-	-	6 / 6	-	-	125 / 150	-	-	115 / 116	-	-
EHK30AHCF]	86.8 / 95.0	-	-	3 / 3	-	-	8 / 8	-	-	90 / 100	-	-	97 / 98	-	-
	144.8/158.5	-	-	0 / 00	-	-	6 / 6	-	-	150 / 175	-	-	117 / 150	-	-

] 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 Degrees 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. For fan coil sizes 24- 36.
2. For fan coil sizes 48- 60.

ELECTRIC HEATER STATIC PRESSURE DROP (Inches Water Column)

24 - 36			48 - 60		
HEATER ELEMENTS	kW	EXTERNAL STATIC PRESSURE CORRECTION	HEATER ELEMENTS	kW	EXTERNAL STATIC PRESSURE CORRECTION
0	0	+0.02	0	0	+0.04
1	3, 5	+0.01	2	8, 10	+0.02
2	8, 10	0	3	9, 15	0
3	9, 15	-0.02	4	20	-0.02
4	20	-0.04	6	18, 24, 30	-0.10

The airflow performance data was developed using fan coils with 10-kW electric heaters (2 elements) in the 24 through 36 size units and 15-kW heaters (3 elements) in the 48 through 60 size units. For fan coils with heaters of a different number of elements, the external available static at a given CFM from the curve may be corrected by adding or subtracting available external static pressure as indicated above.

ACCESSORIES

Model	Description	Use With
EHK05AKN1	5 kW Single Phase	All
EHK07AKN1	8 kW Single Phase	All
EHK07AKB1	8 kW Single Phase	All
EHK09AKCN1	9 kW / Single Phase (Field convertible to 3 phase)	All
EHK10AKN1	10 kW Single Phase	All
EHK10AKB1	10 kW Single Phase	All
EHK15AKF1	15 kW Single Phase	2 - 5 Ton
EHK15AKB1	15 kW Single Phase	2 - 5 Ton
EHK15AHN1	15 kW 3 Phase	2 - 5 Ton
EHK18AHN1	18 kW 3 Phase	4 - 5 Ton
EHK20AKF1	20 kW Single Phase	3 - 5 Ton
EHK20AKB1	20 kW Single Phase	3 - 5 Ton
EHK25AHCF1	24 kW / 3 Phase (Field convertible to single phase)	4 - 5 Ton
EHK30AHCF1	30 kW / 3 Phase (Field convertible to single phase)	4 - 5 Ton

All AKB Models are Circuit Breaker Models

ACCESSORIES

Disconnect Kit	EBAC01DSC	All Heaters 3 thru 10 kW
Downflow Base Kit	EBAC01NCB	EBP 2400
	EBAC02NCB	EBP 3600
	EBAC03NCB	EBP 4800, 6000
Downflow Conversion Kit	EBAC01DFS	Slope Coil 24, 36
	EBAC02DFA	A-Coil 48, 60
Single Point Wiring Kit	EBAC01SPK	Only with 15 & 20 kW fused heaters
Permanent Filter Kit (Box of 12)	EBAC01FKS	EBP 2400
	EBAC01FKM	EBP 3600
	EBAC01FKL	EBP 4800, 6000
No Heat Kit (Box of 6)	EBAC01PLG	24 thru 60
PVC Condensate Kit (50 pcs.)	EBAC01CTK	All Sizes
Horizontal Drainpan Kit	EBAC01DPK	24
	EBAC02DPK	36
	EBAC04DPK	48
	EBAC05DPK	60
Horizontal / Downflow Gasket Kit	EBAC01GSK	All Sizes
TXV - Bolt on - R410A	EBAC05TXV	EBP 2400
	EBAC06TXV	EBP 3600
	EBAC07TXV	EBP 4800
	EBAC08TXV	EBP 6000
TXV - Bolt on - R22	AMF153TKB	EBP 2400, 3600
	AMF355TKB	EBP 4800, 6000

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER EB = Evaporator Blower	EB	P	2400	E	1 = ENGINEERING CODE
					FEATURE CODE E = Export
METERING DEVICE P = Orifice Piston					CAPACITY 2400 = 24,000 BTUH 3600 = 36,000 BTUH 4800 = 48,000 BTUH 6000 = 60,000 BTUH

ACCESSORIES NUMBER IDENTIFICATION GUIDE

MODEL NUMBER EB = Evaporator Blower	EB	AC	01	NCB	A	
					SALES CODE	
AC = Accessory					PRODUCT IDENTIFIER	
ACCESSORY PRODUCT IDENTIFIER ASSIGNMENT						
NCB - Non Combustable Base		SPK - Single Point Wiring Kit		FKM - Filter Kit Medium		
DFK - Down Flow Kit		FKS - Filter Kit Small		FKL - Filter Kit Large		
PLG - Power Plug		CTK - PVC Condensate Trap Kit		FKX - Filter Kit X-Large		

HEATER MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER EH = Electric Heater Kit	EHK	05	A	K	N	1
					Engineering Code	
					Product Identifier	
05 = 5 Kw 07 = 7 Kw 09 = 9 Kw 10 = 10 Kw 15 = 15 Kw 18 = 18 Kw 25 = 25 Kw 30 = 30 Kw					VOLTAGE K = 208/230 Single Phase H = 3 Phase KC = Single Phase Field Convertible to 3 Phase HC = 3 Phase Field Convertible to Single Phase	
SALES CODE						

EBP Piston Sizes

EBP2400	.056
EBP3600	.070
EBP4800	.082
EBP6000	.093