

ARMSTRONG AIR HEAT PUMPS

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ARMSTRONG AIR HEAT PUMPS

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SPLIT SYSTEM HEAT PUMPS

4SHP13LE — ENHANCED

Compressor

- High efficiency scroll compressor
- R410a refrigerant
- Grommet mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy duty compressor sound blanket for quiet operation

Design

- Designed for ambients up to 125°F

Coil

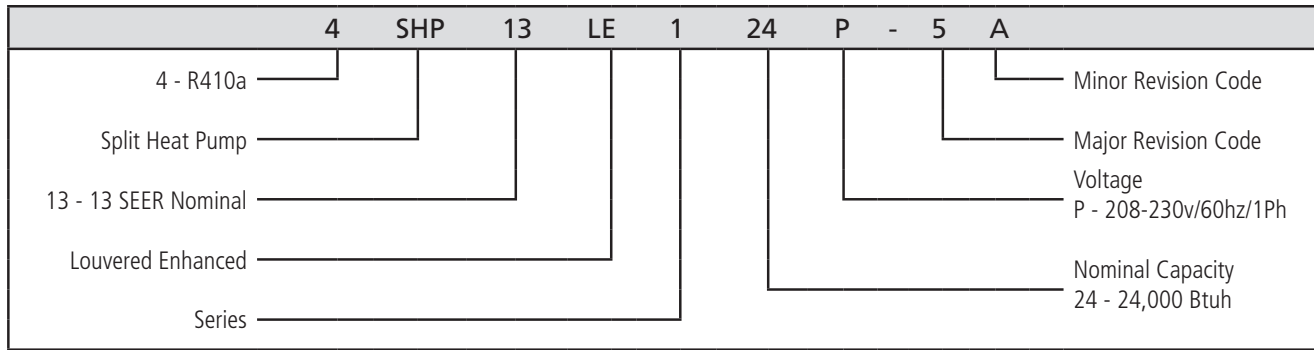
- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Accessories

- Low ambient kit
- Crank Case Heater
- Freezestat



Model Number Guide



ITEM #	MODEL	DIMENSIONS (")			COOLING CAPACITY (TONS)	VOLTAGE/ HZ/PHASE	SHIPPING WEIGHT (LBS)
		W	D	H			
C894148	4SHP13LE118P	24.75	26.75	33.75	1.5	208-230/60/1	169
894352	4SHP13LE124P	24.75	26.75	33.75	2.0	208-230/60/1	174
894354	4SHP13LE130P	29.38	31.25	29.75	2.5	208-230/60/1	185
894356	4SHP13LE136P	29.38	31.25	37.75	3.0	208-230/60/1	208
894358	4SHP13LE142P	29.38	31.25	43.75	3.5	208-230/60/1	253
894360	4SHP13LE148P	29.38	31.25	33.75	4.0	208-230/60/1	257
894362	4SHP13LE160P	29.38	31.25	37.75	5.0	208-230/60/1	279

NOTE: *Weights listed are unit weights with packaging.
Dimensions listed are unit sizes without packaging.*

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SPLIT SYSTEM HEAT PUMPS (cont'd)

4SHP14LE — ENHANCED

Compressor

- High-efficiency scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Accessories

- High pressure cutout kit
- Fossil fuel kit
- Outdoor thermostat/low-ambient compressor cutout kit
- Thermal expansion valve kits



Design

- Designed for ambients up to 125°F

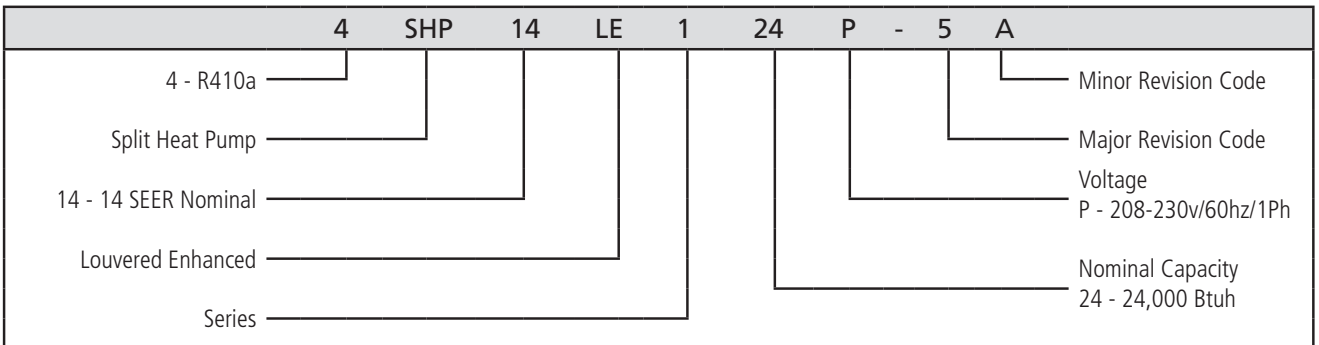
Coil

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Visit www.energystar.gov for details.

Model Number Guide



ITEM #	MODEL	DIMENSIONS (")			COOLING CAPACITY (TONS)	VOLTAGE/ HZ/PHASE	SHIPPING WEIGHT (LBS)
		W	D	H			
894380	4SHP14LE118P	29.38	31.25	29.75	1.5	208-230/60/1	178
894382	4SHP14LE124P	29.38	31.25	37.75	2.0	208-230/60/1	195
894384	4SHP14LE130P	29.38	31.25	37.75	2.5	208-230/60/1	197
894386	4SHP14LE136P	29.38	31.25	33.75	3.0	208-230/60/1	222
894388	4SHP14LE142P	35.75	35.75	37.75	3.5	208-230/60/1	304
894390	4SHP14LE148P	35.75	35.75	37.75	4.0	208-230/60/1	308
894392	4SHP14LE160P	35.75	35.75	43.75	5.0	208-230/60/1	335

NOTE: *Weights listed are unit weights with packaging.
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SPLIT SYSTEM HEAT PUMPS (cont'd)

4SHP16LT — ENHANCED

Compressor

- High efficiency 2 stage Copeland UltraTech™ scroll compressor
- R410a refrigerant
- Grommet mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions

Factory Installed Accessories

- Crank case heater
- Compressor sound cover for quiet operation
- High pressure switch
- Low pressure switch for loss of charge protection



Design

- Designed for ambients up to 125°F

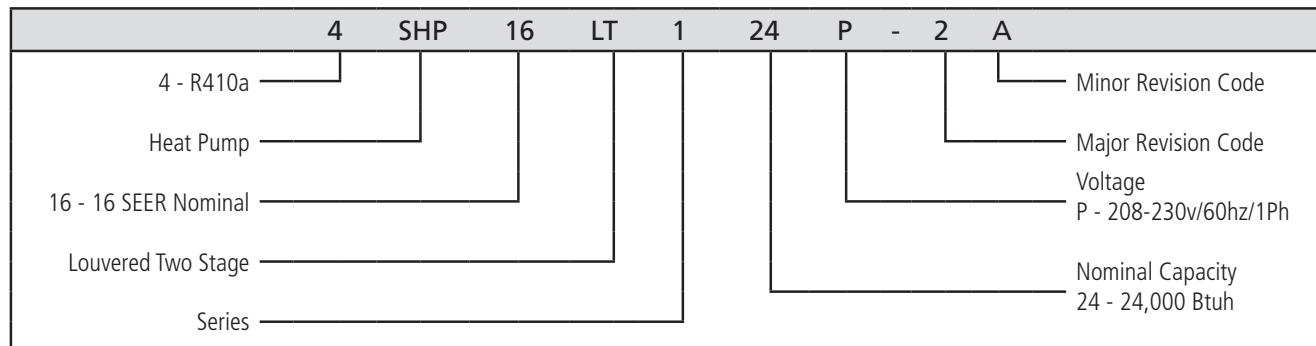
Coil

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Visit www.energystar.gov for details.

Model Number Guide



ITEM #	MODEL	DIMENSIONS (")			COOLING CAPACITY (TONS)	VOLTAGE/ HZ/PHASE	WEIGHT (LBS)
		W	D	H			
894368	4SHP16LT124P	24.75	26.75	33.75	2.0	208-230/60/1	207
894370	4SHP16LT136P	29.375	31.25	37.75	3.0	208-230/60/1	253
894372	4SHP16LT148P	35.75	37.75	37.75	4.0	208-230/60/1	288
894374	4SHP16LT160P	35.75	37.75	43.75	5.0	208-230/60/1	313

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SPLIT SYSTEM HEAT PUMPS (cont'd)

4SHP18LT — ENHANCED

Compressor

- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

Coil

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

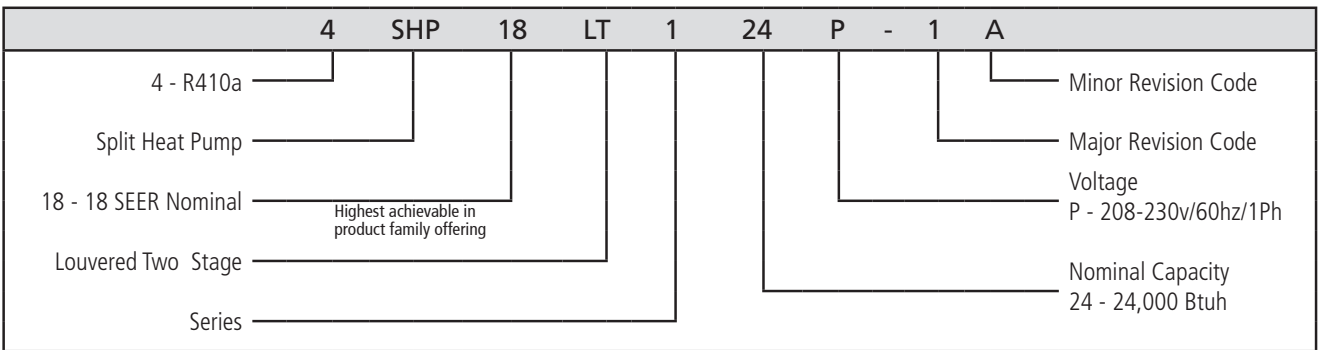


Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Visit www.energystar.gov for details.

Design

- Designed for ambients up to 125°F

Model Number Guide



ITEM #	MODEL	DIMENSIONS (")			COOLING CAPACITY (TONS)	VOLTAGE/HZ/PHASE	WEIGHT (LBS)
		W	D	H			
894394	4SHP18LT124P	35.66	37.66	44	2.0	230/60/1	341
894396	4SHP18LT136P	35.66	37.66	44	3.0	230/60/1	338
894398	4SHP18LT148P	35.66	37.66	44	4.0	230/60/1	338
894400	4SHP18LT160P	35.66	37.66	44	5.0	230/60/1	361

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EVAPORATOR COILS

- All piston coils are compatible with R22 or R410A
- All drain pans are compatible with UV lights

Model Number Guide

	E	C	1P	18	A	G	-	1	
E = Evaporator Coil	┌───┐		┌───┐		┌───┐		┌───┐		Series
C = Cased	└───┘		└───┘		└───┘		└───┘		Color
M = Multi-position	└───┘		└───┘		└───┘		└───┘		N = Not Applicable
U = Uncased	└───┘		└───┘		└───┘		└───┘		G = Platinum Gray
H = Horizontal	└───┘		└───┘		└───┘		└───┘		M = Galvanized Embossed
Expansion Device	└───┘		└───┘		└───┘		└───┘		Matching Gas Furnace
1P = Piston	└───┘		└───┘		└───┘		└───┘		Cabinet Width
4T = R410A AC or HP TXV w/check valve	└───┘		└───┘		└───┘		└───┘		A = 14.5
Nominal Capacity	└───┘		└───┘		└───┘		└───┘		B = 17.5
18, 19 = 1.5 ton	└───┘		└───┘		└───┘		└───┘		C = 21
23, 24 = 2.0 ton	└───┘		└───┘		└───┘		└───┘		D = 24.5
29, 30 = 2.5 ton	└───┘		└───┘		└───┘		└───┘		
35, 36 = 3.0 ton	└───┘		└───┘		└───┘		└───┘		
42 = 3.5 ton	└───┘		└───┘		└───┘		└───┘		
43 = 3.5/4.0 ton	└───┘		└───┘		└───┘		└───┘		
48, 49, 50 = 4.0 ton	└───┘		└───┘		└───┘		└───┘		
60, 61, 62 = 5.0 ton	└───┘		└───┘		└───┘		└───┘		

EC1P / EM1P — UPFLOW / COUNTERFLOW APPLICATIONS AND UPFLOW / HORIZONTAL APPLICATIONS

Features

- Cased
- Upflow/Counterflow (EC1P) for application flexibility
Upflow/Horizontal (EM1P) for application flexibility
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Insulated steel coil case with high quality painted finish
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- External cabinet mounted distributor body designed for easy changing of orifice sizes and fast TXV connections
- Foil-face insulation for easy cleaning
- Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections
- Side drain pan built in for easy horizontal coil installations (EM1P only)
- Tubing located at door split for easy coil service or coil cleaning



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EVAPORATOR COILS (cont'd)

EC1P / EM1P — UPFLOW / COUNTERFLOW APPLICATIONS AND UPFLOW / HORIZONTAL APPLICATIONS (cont'd)

ITEM #	MODEL	NOMINAL CAPACITY (TONS)	REFRIGERANT CONNECTION		WEIGHT (LBS)
			LIQUID (")	VAPOR (")	
893421	EC1P24AG	2.0	3/8	3/4	37
893400	EC1P24BG	2.0	3/8	3/4	40
893401	EC1P29AG	2.5	3/8	3/4	47
893422	EC1P30AG	2.5	3/8	3/4	45
893423	EC1P30BG	2.5	3/8	3/4	46
893416	EC1P30CG	2.5	3/8	3/4	50
893424	EC1P36AG	3.0	3/8	3/4	49
893425	EC1P36BG	3.0	3/8	3/4	51
893426	EC1P36CG	3.0	3/8	3/4	55
893436	EC1P43BG	3.5/4.0	3/8	7/8	60
893434	EC1P43CG	3.5/4.0	3/8	7/8	63
893427	EC1P48BG	4.0	3/8	7/8	52
893417	EC1P48CG	4.0	3/8	7/8	55
893428	EC1P49CG	4.0	3/8	7/8	72
893429	EC1P50CG	4.0	3/8	7/8	66
893431	EC1P60DG	5.0	3/8	7/8	66
893430	EC1P62CG	5.0	3/8	7/8	76
893432	EC1P62DG	5.0	3/8	7/8	77
893479	EM1P23AM/AG	2.0	3/8	3/4	40
893480	EM1P23BM/BG	2.0	3/8	3/4	40
893471	EM1P24AG	2.0	3/8	3/4	42
893481	EM1P24BG	2.0	3/8	3/4	42
893487	EM1P29AG	2.5	3/8	3/4	40
893488	EM1P29BG	2.5	3/8	3/4	41
893472	EM1P30AG	2.5	3/8	3/4	42
893473	EM1P30BG	2.5	3/8	3/4	42
893474	EM1P36AG	3.0	3/8	3/4	57
893475	EM1P36BG	3.0	3/8	3/4	57
893476	EM1P36CG	3.0	3/8	3/4	57
893483	EM1P43BM/BG	3.5/4.0	3/8	7/8	45
893484	EM1P43CM/CG	3.5/4.0	3/8	7/8	45
893477	EM1P48BG	4.0	3/8	7/8	48
893485	EM1P48CG	4.0	3/8	7/8	48
893486	EM1P50CM/CG	4.0	3/8	7/8	77

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EVAPORATOR COILS *(cont'd)*

- All piston coils are compatible with R22 or R410A
- All drain pans are compatible with UV lights

EU1P — UPFLOW / COUNTERFLOW APPLICATIONS

Features

- Uncased
- Upflow/Counterflow for application flexibility
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Two dual drain connections on front of coil for installation flexibility of drain lines around furnace vent and utility connections
- Orifice assembly designed for easy changing of orifice sizes and fast TXV connections



ITEM #	MODEL	NOMINAL CAPACITY (TONS)	REFRIGERANT CONNECTION		WEIGHT (LBS)
			LIQUID (")	VAPOR (")	
893450	EU1P18AN	1.5	3/8	3/4	18
893448	EU1P19AN	1.5	3/8	3/4	19
893449	EU1P23AN	2.0	3/8	3/4	22
893451	EU1P24AN	2.0	3/8	3/4	22
893460	EU1P24BN	2.0	3/8	3/4	23
893459	EU1P29AN	2.5	3/8	3/4	24
893452	EU1P30AN	2.5	3/8	3/4	26
893462	EU1P30BN	2.5	3/8	3/4	27
893463	EU1P30CN	2.5	3/8	3/4	29
893453	EU1P36AN	3.0	3/8	3/4	31
893454	EU1P36BN	3.0	3/8	3/4	33
893464	EU1P36CN	3.0	3/8	3/4	34
893467	EU1P43BN-1	3.5/4.0	3/8	7/8	43
893468	EU1P43CN-1	3.5/4.0	3/8	7/8	44
893455	EU1P48BN	4.0	3/8	7/8	33
893465	EU1P48CN	4.0	3/8	7/8	35
893469	EU1P49CN	4.0	3/8	7/8	53
893456	EU1P50CN	4.0	3/8	7/8	40
893447	EU1P59DN	5.0	3/8	7/8	49
893466	EU1P60DN	5.0	3/8	7/8	42
893457	EU1P62CN	5.0	3/8	7/8	58

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EVAPORATOR COILS (cont'd)

- All piston coils are compatible with R22 or R410A
- All drain pans are compatible with UV lights



EH1P — DEDICATED HORIZONTAL APPLICATIONS

Features

- Cased
- Dedicated horizontal
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Drain pan has trough to fully drain condensate away
- Insulated galvanized steel coil case with durable embossed finish
- Top panels are removable for easy service or coil cleaning
- Dual condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces
- Foil faced insulation for easy cleaning
- Refrigerant connections on top of coil for ease of installation in left or right airflow furnaces



ITEM #	MODEL	NOMINAL CAPACITY (TONS)	REFRIGERANT CONNECTION		WEIGHT (LBS)
			LIQUID (")	VAPOR (")	
C893000	EH1P23AM	2.0	3/8	3/4	38
C893000	EH1P23BM	2.0	3/8	3/4	50
C893000	EH1P29AM	2.5	3/8	3/4	56
C893000	EH1P29BM	2.5	3/8	3/4	45
C893000	EH1P36BM	3.0	3/8	3/4	56
C893000	EH1P36CM	3.0	3/8	3/4	64
C893000	EH1P43BM	3.5/4.0	3/8	7/8	52
C893000	EH1P43CM	3.5/4.0	3/8	7/8	56
C893000	EH1P49CM	4.0	3/8	7/8	58
C893000	EH1P49DM	4.0	3/8	7/8	66
893496	EH1P62CM	5.0	3/8	7/8	63
893494	EH1P62DM	5.0	3/8	7/8	63

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ELECTRIC FURNACE MODULAR AIR SYSTEM

EFC/EFV

Application

- 1-1/2 – 5 Ton Sizes
- Upflow, Counterflow and Horizontal Positions

Cabinet

- Cabinet dimensions match standard furnace widths
- Painted galvanized cabinet

Components

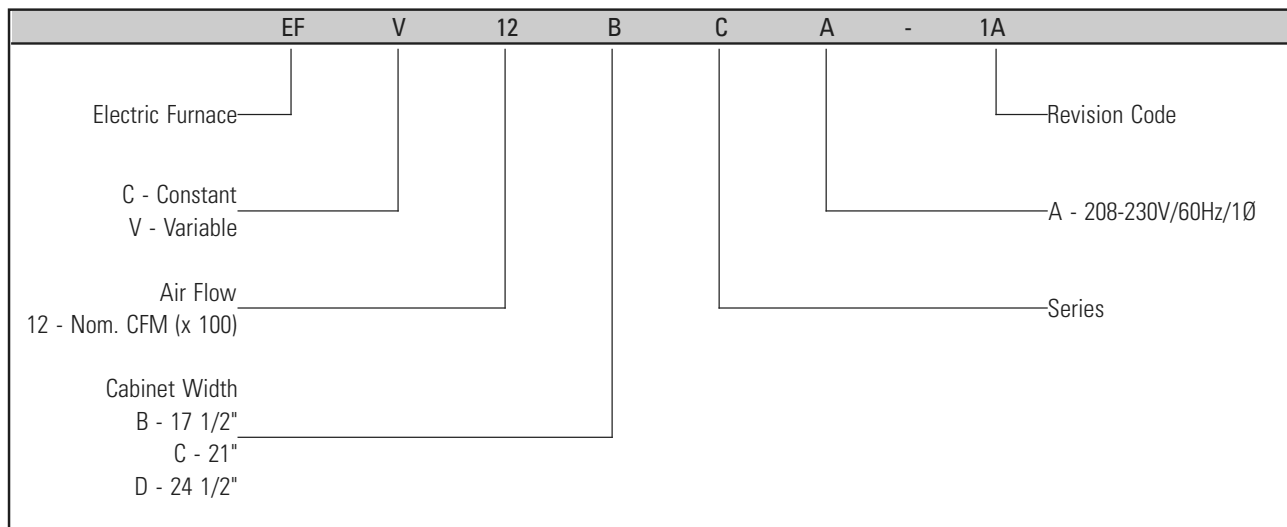
- EFC models feature efficient PSC motors
- EFV models feature ECM variable speed motors
- Field installed 5 – 20 kW Heat Strips
- Factory installed Fan Relays for Non-Heat Strip installations



EFC/EFV



Model Number Guide



ITEM #	MODEL	NOMINAL TONNAGE	VOLTAGE/ HZ/PHASE	WEIGHT (LBS)
894624	EFC08BC	1-1/2 – 2	208-230/60/1	78
894626	EFC12BC	2-1/2 – 3	208-230/60/1	85
894628	EFC16CC	4	208-230/60/1	96
894630	EFC20DC	5	208-230/60/1	104
894631	EFV08BC-1A	1-1/2 – 2	208-230/60/1	79
894632	EFV12BC	1-1/2 – 3	208-230/60/1	86
894634	EFV16CC	2 – 4	208-230/60/1	97
894636	EFV20DC	3 – 5	208-230/60/1	105

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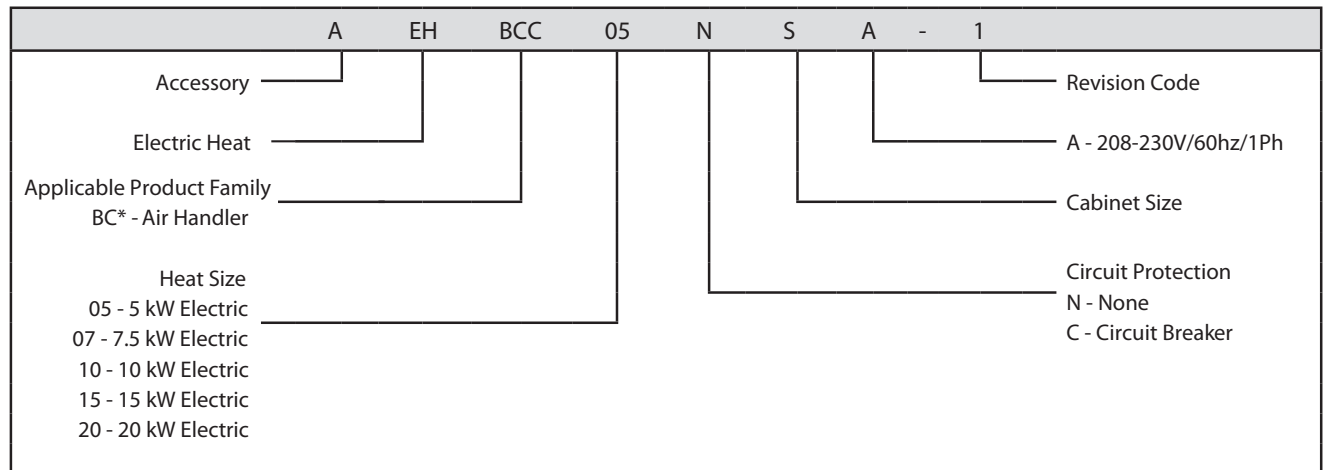
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TXV KITS

ITEM #	MODEL	DESCRIPTION	PRICE
894706	H4TXV01	Expansion Valve	\$156.00
894707	H4TXV02	Expansion Valve	156.00
894708	H4TXV03	Expansion Valve	156.00

ELECTRIC HEAT KITS

MODEL NUMBER GUIDE



ITEM #	MODEL	DESCRIPTION	USED ON
894600	AEHBCC05NSA-1	5 kW with Terminal Block	BCS2*24, 36, 42, 48, 60
894599	AEHBCC05CSA-1	5 kW with Circuit Breaker	BCS2*24, 36, 42, 48, 60
894601	AEHBCC07NSA-1	7.5 kW with Terminal Block	BCS2*24, 36, 42, 48, 60
894604	AEHBCC07CSA-1	7.5 kW with Circuit Breaker	BCS2*24, 36, 42, 48, 60
894602	AEHBCC10NSA-1	10 kW with Terminal Block	BCS2*24, 36, 42, 48, 60
894605	AEHBCC10CSA-1	10 kW with Circuit Breaker	BCS2*24, 36, 42, 48, 60
894603	AEHBCC15CSA-1	15 kW with Circuit Breaker	BCS2*36, 42, 48, 60
894611	AEHBCC20CSA-1	20 kW with Circuit Breaker	BCS2*48, 60

ITEM #	MODEL	DESCRIPTION	USED ON
894612	ECB25-2.5-P	2.5 kW with Terminal Block	BCE3*18, 24, 30, 36, 42
894613	ECB25-5-P	5 kW with Terminal Block	BCE3*18, 24, 30, 36, 42, 48, 60
894614	ECB25-5CB-P	5 kW with Circuit Breaker	BCE3*18, 24, 30, 36, 42, 48, 60
894615	ECB25-7-P	7.5 kW with Terminal Block	BCE3*18, 24, 30, 36, 42, 48, 60
894616	ECB25-7CB-P	7.5 kW with Circuit Breaker	BCE3*18, 24, 30, 36, 42, 48, 60
894617	ECB25-10-P	10 kW with Terminal Block	BCE3*18, 24, 30, 36, 42, 48, 60
894618	ECB25-10CB-P	10 kW with Circuit Breaker	BCE3*18, 24, 30, 36, 42, 48, 60
894619	ECB25-12.5CB-P	12.5 kW with Circuit Breaker	BCE3*30, 36, 42, 48, 60
894620	ECB25-15CB-P	15 kW with Circuit Breaker	BCE3*36, 42, 48, 60
894621	ECB25-20CB-P	20 kW with Circuit Breaker	BCE3*48, 60

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