

ARMSTRONG AIR AIR CONDITIONERS

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Expert Service. Quality Products. Since 1960.

ARMSTRONG AIR AIR CONDITIONERS

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SPLIT SYSTEM AIR CONDITIONERS

13 SEER — 4SCU13LE / LC

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

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

Design

- Designed for ambients up to 125°F

Components

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Filter drier installed for system protection
- Service valves positioned for quick installation and easy service
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Charged for 15 ft. of line set
- Trade available components
- High pressure switch



Model Number Guide — LE

	4	SCU	13	LE	1	24	P	-	1	A	
4- R410a											Minor Revision Code
Split Condensing Unit											Major Revision Code
13 - 13 SEER Nominal											Voltage
Louvered Enhanced											P - 208-230v/60hz/1Ph
Series											Nominal Capacity
											24 - 24,000 Btuh

Model Number Guide — LC

	4	SCU	13	LC	1	36	T	-	1	A	
4- R410a											Minor Revision Code
Split Condensing Unit											Major Revision Code
13 - 13 SEER Nominal											Voltage
Louvered Commercial											P - 208-230v/60hz/1Ph F - 460v/60hz/3Ph
Series											Nominal Capacity
											36 - 36,000 Btuh 48 - 48,000 Btuh 60 - 60,000 Btuh

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SPLIT SYSTEM AIR CONDITIONERS (cont'd)

13 SEER — 4SCU13LE / LC (cont'd)

ITEM #	MODEL	COOLING CAPACITY (TONS)	VOLTAGE/HZ/ PHASE	WEIGHT (LBS)
Model LE				
893060	4SCU13LE118P-2,3,4	1.5	208-230/60/1	155
893061	4SCU13LE124P-2,3,4	2.0	208-230/60/1	162
893062	4SCU13LE130P-2,3,4	2.5	208-230/60/1	178
893063	4SCU13LE136P-2,3,4	3.0	208-230/60/1	202
893064	4SCU13LE142P-2,3,4	3.5	208-230/60/1	216
893065	4SCU13LE148P-2,3,4	4.0	208-230/60/1	220
893066	4SCU13LE160P-2,3,4	5.0	208-230/60/1	282
Model LC				
893120	4SCU13LC136T-2,3,4	3.0	230/60/3	202
893122	4SCU13LC148T-2,3,4	4.0	230/60/3	220
893124	4SCU13LC160T-2,3,4	5.0	230/60/3	282

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SPLIT SYSTEM AIR CONDITIONERS (cont'd)

14 SEER — 4SCU14LE

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

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

Design

- Designed for ambients up to 125°F
- All units ETL and ETL approved and AHRI certified

Components

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Filter drier installed for system protection
- Service valves positioned for quick installation and easy service
- Charged for 15 ft. of line set
- Trade available components



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

	4	SCU	14	L	36	P	-	2	A	
Refrigerant – 4 = R410A	4									Minor Revision Code
AC = Split Condensing Unit		SCU								Major Revision Code
14 - 14 SEER Nominal			14							Voltage
L = Louvered Enhanced				L						Nominal Capacity
					36					36 - 36,000 Btuh
						P				P - 208-230v/60hz

ITEM #	MODEL	VOLTAGE/ HZ/PHASE	WEIGHT (LBS)
893050	4SCU14LE118P-3	208-230/60/1	138
893051	4SCU14LE124P-3	208-230/60/1	146
893052	4SCU14LE130P-3	208-230/60/1	172
893053	4SCU14LE136P-3	208-230/60/1	177
893054	4SCU14LE142P-3	208-230/60/1	208
893055	4SCU14LE148P-3	208-230/60/1	220
893056	4SCU14LE160P-3	208-230/60/1	253

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SPLIT SYSTEM AIR CONDITIONERS (cont'd)

16 SEER — 2 STAGE — 4SCU16LT

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

Design

- Designed for ambients up to 125°F

Components

- Service valves positioned for quick installation and easy service
- High and low pressure switches factory installed
- Comfort Alert 2™ diagnostics is factory installed
- Trade available components
- Factory installed crank case heater
- Charged for 15 ft. of line set



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Model Number Guide

	4	SCU	16	LT	1	24	P	-	1	A	
4 - R410A											Minor Revision Code
Split Condensing Unit											Major Revision Code
16 - 16 SEER Nominal											Voltage
Louvered Two-Stage											P - 208-230v/60hz/1Ph
Series											Nominal Capacity
											24 - 24,000 Btuh

ITEM #	MODEL	VOLTAGE/HZ/PHASE	WEIGHT (LBS)
893068	4SCU16LT124P-1	230/60/1	200
893070	4SCU16LT136P-1	230/60/1	230
893072	4SCU16LT148P-1	230/60/1	262
893074	4SCU16LT160P-1	230/60/1	310

NOTE: For Technical Data see www.armstrongair.com

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SPLIT SYSTEM AIR CONDITIONERS (cont'd)

18 SEER — 2 STAGE — 4SCU18LT

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 high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Design

- Designed for ambients up to 125°F

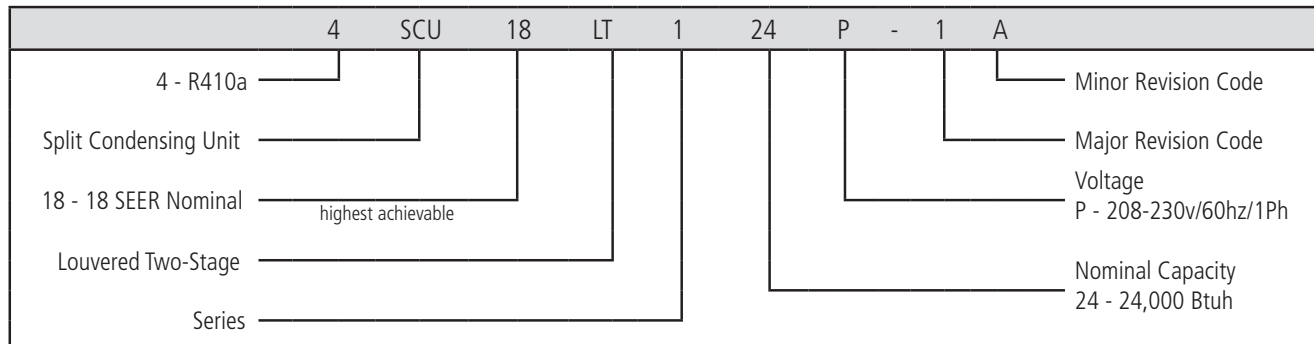
Components

- Bi-flow filter drier factory installed for system protection
- Service valves positioned for quick installation and easy service
- Variable speed condenser fan motor with swept-wing fan blade
- High and low pressure switches factory installed
- Comfort Alert 2™ diagnostics is factory installed
- Trade available components
- Factory installed crank case heater



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	VOLTAGE/ HZ/PHASE	WEIGHT (LBS)
893076	4SCU18LT124P-1	230/60/1	297
893078	4SCU18LT136P-1	230/60/1	297
893082	4SCU18LT148P-1	230/60/1	297

NOTE: For Technical Data see www.armstrongair.com

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SPLIT SYSTEM AIR CONDITIONERS (cont'd)

16 /18 SEER — 2 STAGE — 4SCU16LS / 4SCU18LS

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 high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

Design

- Designed for ambients up to 125°F

Components

- Service valves positioned for quick installation and easy service
- Variable speed condenser fan motor with swept-wing fan blade (4SCU18LS only)
- High and low pressure switches factory installed
- Trade available components
- Factory installed crank case heater
- Charged for 15 ft. of line set
- Thermostat flexibility:
 - works with Comfort Sync™ T-Stat
 - (when matched with communicating indoor unit)
 - or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption

Contact your ECCO Supply Sales Representative for more information.



Communicating Thermostat enabled



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.

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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	
										B = 17.5	
										C = 21	
										D = 24.5	
Nominal Capacity											
18, 19 = 1.5 ton											
23, 24 = 2.0 ton											
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

EXPANSION VALVES — R410A

ITEM #	MODEL	APPLICATION
898158	A4TXV01-1	Condensers
898160	A4TXV02-1	Condensers
894706	H4TXV01-1	Heat Pumps
894707	H4TXV02-1	Heat Pumps
894708	H4TXV03-1	Heat Pumps

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COVERS

ITEM #	MODEL	DESCRIPTION
889140	0639A	See Chart Below
889142	0639B	See Chart Below
889143	0639C	See Chart Below
889144	0645A	See Chart Below
889147	0645C	See Chart Below
889149	0645D	See Chart Below

COVERS/MODELS CHART

Use the following chart to size the cover that match the condensor.

COOLING CAPACITY	4SCU13LE_P-1	4SCU13LE_P-2	4SCU14LE_P-1	4SCU14LE_P-2	4SCU16LT_P1
1.5 TN	0639A Item # 889140	0639C Item # 889143	0639A Item # 889140	0639A Item # 889140	-
2.0 TN	0639B Item # 889142	0639C Item # 889143	0639A Item # 889140	0645D Item # 889149	0639A Item # 889140
2.5 TN	0639A Item # 889140	0639A Item # 889140	0645D Item # 889149	0645D Item # 889149	-
3.0 TN	0645C Item # 889147	0639A Item # 889140	0645D Item # 889149	0645A Item # 889144	0645D Item # 889149
3.5 TN	0645D Item # 889149	0645D Item # 889149	0645D Item # 889149	0645A Item # 889144	-
4.0 TN	0645D Item # 889149	0645A Item # 889144	0645A Item # 889144	0645B	0645A Item # 889144
5.0 TN	0645B	0645C Item # 889147	0681A	0681B	0645B