Comfort-Aire® Century®

SE Series

FEATURES

- Safe, low-GWP R-454B refrigerant with leak alarm function
- High efficiency and energy saving, AHRI certification
- Multi-position configuration accommodates a variety of installation scenarios
- Broad cooling range from 55°F to 120°F
- Stable heating down to 5°F
- Optimized blower control ensures rapid start and stable operation
- Outdoor DC motor with 10 taps, adjusted automatically by ambient temperature
- Multiple floating-operation protections for enhanced system stability and security

PISTON

MODEL	PISTON/ORIFICE SIZES									
	47	49	56	60	63	68	72	74	80	88
SCC1836A	X	X	X	X	X	X				
SCC1836B	X	X	X	X	X	X				
SCC1836C	X	X	X	X	X	X				
SCC1842B		X	X	X	X	X		X*		
SCC1842C		X	X	X	X	X		X*		
SCC3642D		X	X	X	X	X		X*		
SCC3042B				X	X	X	X		X*	
SCC3042C				X	X	X	X		X*	
SCC3648D				X	X	X	X		X*	
SCC3660C						X	X	X	X	X
SCC4260D						X	X	X	X	X

* Piston is pre-installed

SCC COILS

MULTI-POSITION ALUMINUM CASED COILS

Cooling Capacity: 30 - 60 kBtu/h



AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI

c UL us LISTED

Warranty–5 years on parts
(Some limitations apply; see printed warranty for details.)

www.comfort-aire.com • www.century-hvac.com

R454B

HEAT CONTROLLER

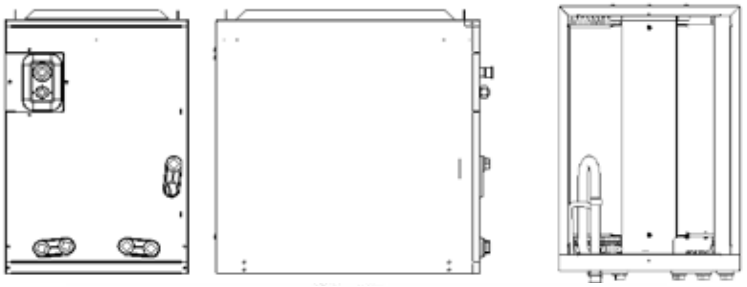
MODEL NUMBER GUIDE

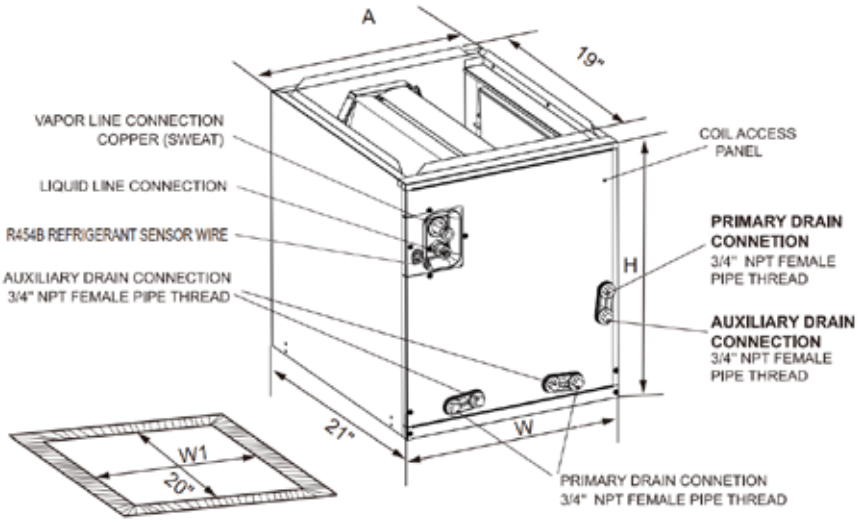
S	CC	1836	A	S	1	A
SE Series	Cased Coil	Tonnage: 1836 = 1.5-3 1842 = 1.5-3.5 3042 = 2.5-3.5 3642 = 3-3.5 3648 = 3-4 3660 = 3-6 4260 = 3.5-6	Width: A = 14.5″ B = 17.5″ C = 21″ D = 24.5″	Standard Efficiency	Generation	Revision Level

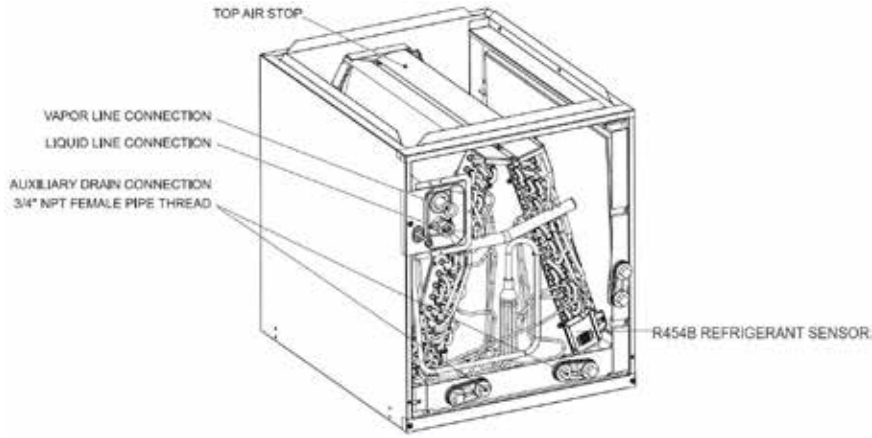
SPECIFICATIONS

	SCC1836AS1A	SCC1836BS1A	SCC1836CS1A	SCC1842BS1A	SCC1842CS1A	SCC3642DS1A
Installation	Multiple position	Multiple position	Multiple position	Multiple position	Multiple position	Multiple position
Air Outlet (W × H) (in.)	13 × 19	16 × 19	19-1/2 × 19	16 × 19	19-1/2 × 19	23 × 19
NOMINAL RATING						
Max. Cooling (BTU/h)	30,000/36,000	30,000/36,000	30,000/36,000	36,000/42,000	36,000/42,000	36,000/42,000
EVAPORATOR COIL						
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32	9/32	9/32
REFRIGERANT CONNECTION SIZE						
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	3/4
DIMENSIONS						
Net dimensions (D × W ×H) (in.)	21 x 14-1/2 x 20	21 x 17-1/2 x 20	21 x 21 x 20	21 x 17-1/2 x 26	21 × 21 × 26	21 × 24-1/2 × 26
Packed dimensions (D × W ×H) (in.)	24-15/16 x 24-3/16 x22-1/4	24-15/16 x 20-5/8 x 22-1/4	24-15/16 x 24-3/16 x22-1/4	24-15/16 x 20-5/8 x 28-1/8	24-15/16 x 24-3/16 x28-1/8	24-15/16×27-9/16×28-1/8
WEIGHT						
Net weight(lbs.)	44	46	49	57	59	64
Shipping weight(lbs.)	48.5	51	55	64	66	70

	SCC3042BS1A	SCC3042CS1A	SCC3648DS1B	SCC3660CS1B	SCC4260DS1B
Installation	Multiple position	Multiple position	Multiple position	Multiple position	Multiple position
Air Outlet (W × H) (in.)	16 × 19	19-1/2 × 19	23 × 19	19-1/2 × 19	23 × 19
NOMINAL RATING					
Max. Cooling (BTU/h)	42,000/48,000	42,000/48,000	42,000/48,000	48,000/60,000	48,000/60,000
EVAPORATOR COIL					
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	3/8	3/8	3/8
REFRIGERANT CONNECTION SIZE					
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4
DIMENSIONS					
Net dimensions (D × W ×H) (in.)	21 × 17-1/2 × 30	21 × 21 × 30	21 × 24-1/2 × 30	21 × 21 × 30	21 × 24-1/2 × 30
Packed dimensions (D × W ×H) (in.)	24-15/16×20-5/8 ×32-5/16	24-15/16×24-3/16×32-5/16	24-15/16×27-9/16×32-5/16	24-15/16×24-3/16×32-5/16	24-15/16×27-9/16×32-5/16
WEIGHT					
Net weight (lbs.)	73	73	75	82	86
Shipping weight (lbs.)	79	79	82	88	93







AIRFLOW PERFORMANCE

Model	Pressure Drop Characteristics for Cooling and Heat Pump Coils							
	Pressure Drop (Inches of Water)							
	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4
SCC1836A	307	485	618	729	823	911	991	1063
SCC1836B	327	527	682	810	925	1024	1122	1217
SCC1836C	360	585	748	893	1019	1132	1238	1348
SCC1842B	401	600	773	916	1045	1160	1256	1357
SCC1842C	457	663	856	1019	1156	1277	1394	1502
SCC3642D	496	718	924	1102	1259	1398	1530	1651
SCC3042B	456	638	810	953	1077	1191	1284	1390
SCC3042C	505	726	932	1098	1244	1375	1494	1604
SCC3648D	533	857	1105	1319	1509	1675	1824	1956
SCC3660C	439	699	906	1071	1224	1362	1487	1589
SCC4260D	466	764	978	1157	1313	1466	1590	1695

Note: Data based on wet coil with entering air at 80 degF DB / 67 degF WB without air filter. The maximum allowable pressure drop is 0.4 IWG. The maximum CFM is the data at 0.4 IWG pressure.

DIMENSIONS

Model	DIMENSIONS					Weight (lbs.)
	H - Height (in.)	W - Width (in.)	A - Supply Duct (in.)	"W1" (in.)	Liquid line/ Vapor line	
SCC1836A	20	14-1/2	13	13-1/2	3/8 / 3/4	44
SCC1836B	20	17-1/2	16	16-1/2	3/8 / 3/4	46
SCC1836C	20	21	19-1/2	20	3/8 / 3/4	49
SCC1842B	26	17-1/2	16	16-1/2	3/8 / 3/4	57
SCC1842C	26	21	19-1/2	20	3/8 / 3/4	59
SCC3642D	26	24-1/2	23	23-1/2	3/8 / 3/4	64
SCC3042B	30	17-1/2	16	16-1/2	3/8 / 3/4	73
SCC3042C	30	21	19-1/2	20	3/8 / 3/4	73
SCC3648D	30	24-1/2	23	23-1/2	3/8 / 3/4	75
SCC3660C	30	21	19-1/2	20	3/8 / 3/4	82
SCC4260D	30	24-1/2	23	23-1/2	3/8 / 3/4	86

PISTON SUPERHEAT CHARGING CHART

OUTDOOR TEMP (°F)	INDOOR TEMPERATURE (°F) DRY BULB/WET BULB					
	95/79	90/75	85/71	80/67	75/63	70/58
	SUPERHEAT					
115	23	16	7	5	5	5
110	24	17	9	5	5	5
105	26	19	11	5	5	5
100	27	21	13	7	5	5
95	29	23	16	9	5	5
90	30	25	18	12	5	5
85	35	26	20	14	8	5
80	34	28	22	17	11	5
75	35	30	24	19	13	6
70	37	32	26	21	16	10
65	38	34	29	24	19	13
60	40	36	31	27	22	17
55	41	37	33	29	25	21

Note: Chart is based on 400CFM/TON indoor airflow and 50% relative humidity.
If indoor relative humidity is above 70% or below 20%, use indoor wet bulb temperature only.
Airflow range is 375 to 425 CFM/Ton

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.
Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.