

Sinclair XF Series Air Conditioner

13.4 SEER2

Cooling capacity: 18-60 kBtu/h



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Standard Features: • Eco-friendly R454B refrigerant with low GWP value. • Energy-efficient compressor. • Equipped with thermal overload protection. • High-efficiency aluminum microchannel condenser. • Service valves with sweat connections and easy-access gauge ports. • Factory-installed high-pressure switch. • AHRI certified and ETL listed. • Filter drier included.	Cabinet Features: • Compact design allows for ease of installation, clearance, durability, and maneuverability. • Powder-coated galvanized steel cabinet chassis. • Protective steel louvered coil guard. • Steel wire axial fan guard • ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation.
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1 Product lineup

Model	SAC0182301134SNCXFM454B	SAC0422301134SNCXFM454B
	SAC0242301134SNCXFM454B	SAC0482301134SNCXFM454B
	SAC0302301134SNCXFM454B	SAC0602301134SNCXFM454B
	SAC0362301134SNCXFM454B	
Power supply	208/230V-1Ph-60Hz	
Appearance		

2 Nomenclature

SAC	018	230	1	134	SNC	XF	M	454B
1	2	3	4	5	6	7	8	9

Legend		
No.	Code	Remarks
1	SAC	Line: Split Air Conditioning Condenser
2	018	Capacity: 018 = 18k BTU; 024 = 24k BTU; 030 = 30k BTU; 036 = 36k BTU; 042 = 42k BTU; 048 = 48k BTU; 060 = 60k BTU
3	230	Voltage: 208/230V
4	1	Phase: 1PH
5	134	Efficiency: 13.4 SEER2
6	SNC	Brand: Sinclair
7	XF	Series: XF
8	M	Copper: Microchannel
9	454B	Refrigerant: R454B

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3 Specifications

	SAC0182301134SNCXFM454B	SAC0242301134SNCXFM454B	SAC0302301134SNCXFM454B	SAC0362301134SNCXFM454B
NOMINAL CAPACITY Cooling (BTU/h)	17,600	23,600	27,600	33,600
ELECTRICAL DATA Voltage / Phase (60 Hz) Min. / Max. Voltage (V) Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A)	208/230V-1Ph 187/253 12.2 15	208/230V-1Ph 187/253 15.5 20	208/230V-1Ph 187/253 17.6 25	208/230V-1Ph 187/253 21.9 30
COMPRESSOR Type Stage Rated Load Amps (RLA) (A) Locked Rotor Amps (LRA) (A) Crankcase Heater	Rotary Single 9.0 40 No	Rotary Single 11.3 55 No	Rotary Single 12.7 55 No	Scroll Single 16.1 86 No
CONDENSER COIL Type	Micro-channel	Micro-channel	Micro-channel	Micro-channel
FAN MOTOR Motor Type Capacitor(uF) Horsepower (HP) Full Load Amps (FLA) (A)	ECM / 1/6 0.9	ECM / 1/6 1.3	ECM / 1/3 1.7	ECM / 1/3 1.7
REFRIGERATION SYSTEM Liquid Valve Size (O.D.) (in.) Suction Valve Size (O.D.) (in.) Liquid Line Size ("O.D.) (in.) Suction Line Size ("O.D.) (in.) Refrigerant Charge (lbs. - oz.)	3/8 3/4 3/8 3/4 3 lbs. 4 OZ.	3/8 3/4 3/8 3/4 3 lbs. 11 OZ.	3/8 3/4 3/8 3/4 4 lbs. 0 OZ.	3/8 3/4 3/8 3/4 3 lbs. 6 OZ.

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SOUND POWER (dB(A))	73	75	75	77
OPERATION RANGE				
Cooling (°C)	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9
Cooling (°F)	55~120	55~120	55~120	55~120

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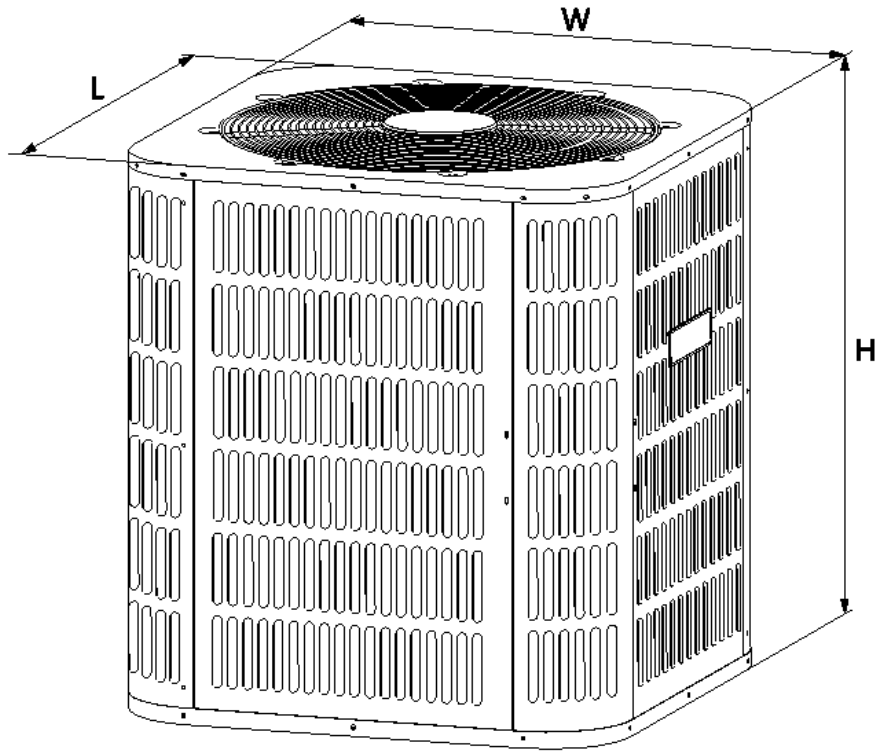
	SAC0422301134SNCXFM454B	SAC0482301134SNCXFM454B	SAC0602301134SNCXFM454B
NOMINAL CAPACITY Cooling (BTU/h)	41,000	45,000	54,000
ELECTRICAL DATA Voltage / Phase (60 Hz) Min. / Max. Voltage (V) Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A)	208/230V-1Ph 187/253 24.9 40	208/230V-1Ph 187/253 29.1 45	208/230V-1Ph 187/253 36.9 60
COMPRESSOR Type Stage Rated Load Amps (RLA) (A) Locked Rotor Amps (LRA) (A) Crankcase Heater	Scroll Single 18.5 96 No	Scroll Single 21.6 95 No	Scroll Single 27.7 125 No
CONDENSER COIL Type	Micro-channel	Micro-channel	Micro-channel
FAN MOTOR Motor Type Capacitor(uF) Horsepower (HP) Full Load Amps (FLA) (A)	ECM / 1/3 1.7	ECM / 1/3 2.1	ECM / 1/3 2.2
REFRIGERATION SYSTEM Liquid Valve Size (O.D.) (in.) Suction Valve Size (O.D.) (in.) Liquid Line Size ("O.D.) (in.)	3/8 7/8 3/8	3/8 7/8 3/8	3/8 7/8 3/8

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Suction Line Size ("O.D.) (in.)	7/8	7/8	1-1/8
Refrigerant Charge (lbs. - oz.)	4 lbs. 15 OZ.	5 lbs. 12 OZ.	6 lbs. 8 OZ.
SOUND POWER (dB(A))	78	78	80
OPERATION RANGE			
Cooling (°C)	12.7~48.9	12.7~48.9	12.7~48.9
Cooling (°F)	55~120	55~120	55~120

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4 Dimensions



Model Size	Unit Width "W" in. [mm]	Unit Height "H" in. [mm]	Unit Length "L" in. [mm]	Packing (W*H*D) in. [mm]	Unit Weight (lbs.[kg])
18	23-5/8 [600]	24-15/16 [633]	23-5/8 [600]	24-7/10 × 26-1/4 × 24-7/10 [628×667×628]	102 [48]
24	28 [710]	24-15/16 [633]	28 [710]	29 × 26-1/4 × 29 [738×667×738]	124 [56]
30	28 [710]	24-15/16 [633]	28 [710]	29 × 26-1/4 × 29 [738×667×738]	124 [56]
36	29-1/8 [740]	24-15/16 [633]	29-1/8 [740]	30-1/5 × 26-1/4 × 30-1/5 [768×667×768]	143 [65]
42	28 [710]	33-3/16 [843]	28 [710]	29 × 34-1/2 × 29 [738×877×738]	154 [70]
48	28 [710]	29-7/8 [759]	28 [710]	29 × 34-1/2 × 29 [738×794×738]	165 [75]
60	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	30-1/5 × 34-1/2 × 30-1/5 [768×877×768]	185 [84]

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5 Wiring Diagram

