

Engineered to elevate efficiency and comfort
..... to the next level!!



SECR



SCVC

SECR SERIES

12 SEER - Round Flow Cassette

60 Hz Split Cooling System

Cooling Nominal: 24,000-60,000 Btuh (7.0 - 17.6 kW)

Product Features

- ✓ Up to 12 SEER Cooling
- ✓ ON/OFF Unit
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ Under & Over Voltage Protection.
- ✓ R410A Refrigerant.
- ✓ Ideal for Small Commercial & Industrial Applications.

Outdoor Unit Features

- ✓ Designed for Cooling @ 46C°/115F° ambient.
- ✓ Super Quiet Operation.
- ✓ Copper Tubes / AL Fins Condenser.
- ✓ Compressor Overload Protection.
- ✓ High / Low Pressure Protection.
- ✓ Over Current Protection.
- ✓ Discharge High Temperature Protection.
- ✓ Available as 208~230V/1Ph/60Hz & 208~230V/3PH/60Hz

Indoor Unit Features

- ✓ R410A Environmental Refrigerant
- ✓ Super Quiet Operation
- ✓ Uniform Panel Design
- ✓ Ultra-thin body Design
- ✓ Round Way Air Flow
- ✓ Intelligent Auto-Swing Function
- ✓ 3-Speed Fan Motor
- ✓ Energy Saving and Healthy Adopting Hydrophilic Fins
- ✓ Washable Filter Design
- ✓ Convenient Installation
- ✓ Built-in Water Pump
- ✓ Auto-Restart
- ✓ Remote Controller (Std.)
- ✓ Wired Controller (Opt.)
- ✓ Touch Screen Wired Controller (Opt.)

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Notes:

- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
- Ratings are based on indoor and outdoor connected by 25ft (7.5m) of tubing.
- Refrigerant metering device is installed at the indoor unit as standard.
- Sweat fittings are provided for connecting indoor and outdoor units.
- Insulation of suction line only is required.
- Outdoor units are shipped with full operating charge.
- For details of model number nomenclature, please refer to publication OGMNM-1117.

INDOOR UNIT

MODEL NO.	SECR	224S	236S	248S	260S	248S	260S		
		2A-GWC070	2A-GWC105	2A-GWC140	2A-GWC160	2A-GWC140	2A-GWC160		
Cooling Capacity Btuh (kW)		Nominal	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)	48,000 (14.0)	60,000 (16.0)	
Efficiency - SEER		Btuh/W (W/W)						12 (3.6)	
Refrigerant Control		Accurator / Piston Type @ Indoor Unit							
Fan	Type	Centrifugal							
	Speed	3	3	3	3	3	3	3	
	Air Flow CFM (m ³ /hr) - Hi	705 (1200)	705 (1200)	1118 (1900)	1118 (1900)	1118 (1900)	1118 (1900)	1118 (1900)	
	Noise Level (dbA) - Hi/Lo	52/45	52/45	57/51	57/51	57/51	57/51	57/51	
	Motor Input (Watts)	102	102	160	160	160	160	160	
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin							
Air Filter:		Cleanable Cartridge Type							
Electrical	Voltage	208-230V-1Ph-60Hz							
	Range	min 187 - max 253							
	FLA	0.7	0.7	0.8	0.8	0.8	0.8	0.8	
Controls:		Remote Controller (Stc.) - Wired Controller (Opt.) - Touch Screen Wired Controller (Opt.)							
Refrigerant Connections inches (mm)	Type	Flare							
	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	
Suction	5/8 (15.9)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)		
	Drain Connection Inches (mm)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	
Dimensions inches (mm)	Height	9 (230)	9 (230)	11 1/4 (285)	11 1/4 (285)	11 1/4 (285)	11 1/4 (285)	11 1/4 (285)	
	Width	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	
	Depth	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	
Net Weight	Lbs (kgs)	62 (28)	62 (28)	68 (31)	68 (31)	68 (31)	68 (31)	68 (31)	
Panel Dimensions inches (mm)	Height	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	
	Width	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	
	Depth	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	
Net Weight	Lbs (kgs)	12 (5.4)	12 (5.4)	12 (5.4)	12 (5.4)	12 (5.4)	12 (5.4)	12 (5.4)	

OUTDOOR UNIT

MODEL NO.	SCVC	224S	236S	248S	260S	248S	260S
		2A-GTC070	2A-GLC105	2A-GLC140	2A-GLC160	4A-GHC140	4A-GCC160
Compressor	Type	Rotary			Scroll		
	Rated Load Amps (RLA)	11.75	13.6	17.5	21.5	15.5	15.1
Outdoor Fan	No of Fans	1	1	1	1	1	1
	Motor Input (W)	244	244	331	331	331	331
	Noise Level (dbA)	65	65	63	65	63	65
Coil Type:		Grooved Copper Tubes / AL Fins Condenser					
Electrical	Voltage	208/230V - 1Ph - 60Hz			208/230V - 3Ph - 60Hz		
	Range (min-max)	min 187 - max 253					
	Cooling Pwr. Input Nom. (W)	2475	2933	3980	4820	4800	4950
	Min. Circuit Amps (MCA)	15.4	17.7	22.7	27.7	20.2	19.7
	Max Fuse Amps (MOCP)	25	30	40	45	35	35
Refrigerant Charge R410a (oz./kgs.)		42.2 / 1.2	58.1 / 1.65	70.4 / 2.0	73.9 / 2.1	70.4 / 2.0	73.9 / 2.1
Refrigerant Connections inches (mm)	Type	Sweat					
	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Suction	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)
	Max Pipe Distance Ft.(m)	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)
Dimensions inches (mm)	Height	65 (20)	65 (20)	65 (20)	65 (20)	65 (20)	65 (20)
	Width	24 7/8 (633)	24 7/8 (633)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)
	Depth	21 7/8 (554)	21 7/8 (554)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)
Net Weight	Lbs (kgs)	21 7/8 (554)	21 7/8 (554)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)
Net Weight	Lbs (kgs)	101.4 (46)	102.5 (46.5)	164.0 (74.5)	202.8 (92.0)	184.4 (83.8)	195.8 (89)

