

# OMEGA

TECHNOLOGY

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



SECS

## SECS SERIES

4 Way Cassette Air Conditioner

12 SEER Split Cooling System

Cooling Nominal: 24,000-60,000 Btuh (7.1-16.0 kW)

### Product Features

- ✓ 12 SEER in cooling mode.
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ Wireless Remote Control.
- ✓ Under & Over Voltage Protection.
- ✓ R410A Refrigerant.
- ✓ Ideal for Small Commercial & Industrial Applications.

### Indoor Unit Features

- ✓ Auto Swing (Louvers).
- ✓ Auto Setting for Cooling, Dehumidifying, Fan.
- ✓ Quiet Spiral Fan Blower.
- ✓ Orifice Refrigerant Control.
- ✓ Sleep Mode.
- ✓ Auto Restart.
- ✓ Easy Connect Flare Connections.
- ✓ Anti-Freezing protection.
- ✓ Four Direction Airflow.
- ✓ Ultra Low Noise Operation.
- ✓ Built in Drain Pump.
- ✓ Fresh Air Intake.
- ✓ Side Outlet Duct Connection (4 Sides).
- ✓ Easy Maintenance and Cleanable Cartridge Filter.
- ✓ Programmable 24 Hours On/Off Function.

OMEGA



OTEC  
AIR CONDITIONING

A Product of  
**OMEGA**  
Environmental  
Technologies LLC.

ISO 14001 ISO 9001

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### INDOOR UNIT

MODEL NO.	SECS	024S 2A-GWC070	036S 2A-GWC105	048S 2A-GWC140	060S 2A-GWC160	048S 2A-GWC143	060S 2A-GWC163
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)	12.0 (3.5)	12.0 (3.5)	12.0 (3.5)	12.0 (3.5)	12.0 (3.5)	12.0 (3.5)
Refrigerant Control		Accurator / Piston Type @ Indoor Unit					
Fan	Type	Centrifugal					
	Speed	3	3	3	3	3	3
	Air Flow CFM (m³/hr) - Hi	765 (1200)	1000 (1700)	1200 (2040)	1200 (2040)	1200 (2040)	1200 (2040)
	Noise Level (dbA) - Hi/Lo	48/44	48/44	52/45	52/45	52/45	52/45
	Motor Input (Watts)	93	160	160	160	160	160
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin					
Air Filter		Cleanable Cartridge Type					
Electrical	Voltage	208/230V-1-60					
	Range	min 187 - max 253					
	FLA	0.45	0.76	0.76	0.76	0.76	0.76
Controls		LCD Wireless Remote Control					
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)
	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)
Drain Connections inches (mm)		1 (25)					
Body Dimensions inches (mm)	Height	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)
	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)
Net Weight	Lbs (kgs)	74.9 (28)	68.2 (31)	68.2 (31)	68.2 (31)	68.2 (31)	68.2 (31)
Panel Dimensions inches (mm)	Height	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)
	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)
Net Weight	Lbs (kgs)	9.9 (4.5)	9.9 (4.5)	9.9 (4.5)	9.9 (4.5)	9.9 (4.5)	9.9 (4.5)

### OUTDOOR UNIT

MODEL NO.	SCVC	024S 2A-GT070	036S 2A-GLC105	048S 2A-GLC140	060S 2A-GLC160	048S 4A-GSC143	060S 4A-RCC163
Compressor Type		Rotary		Scroll			
Outdoor Fan	No of Fans	1	1	1	1	1	1
	Noise Level (dbA)	65	65	63	65	63	65
Coil Type:		Copper Tubes / AL Fins Condenser					
Electrical	Voltage	208/230V-1-60Hz			208/230V-3-60Hz		
	Range (min-max)	min 187 - max 253					
	Running Amps ( RLA )	11.75	13.6	17.5	21.5	17.8	18.6
	Cooling Pwr. Input Nom. (W)	2475	1933	3980	4820	4070	5140
	Min. Circuit Amps (MCA)	15.7	18.1	23.3	28.3	20.8	20.3
Refrigerant Charge R410a (oz./kgs.)		38.2 / 1.2	50.2 / 1.65	70.5 / 2.0	74.1 / 2.1	70.5 / 2.0	74.1 / 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)
Max Pipe Distance Ft.(m)	Height	32 (10)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)
	Length	65 (20)	100 (33)	100 (33)	100 (33)	100 (33)	100 (33)
Dimensions inches (mm)	Height	24 7/8 (633)	24 7/8 (633)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)
	Width	21 7/8 (554)	21 7/8 (554)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)
	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)	101.4 (46)	102.5 (46.5)	162.8 (74)	163.8 (74)	184.4 (83.8)	195.8 (89.0)

### SECS SERIES

#### 4 Way Cassette Air Conditioner

#### 12 SEER Split Cooling System

Cooling Nominal: 24,000-60,000 Btuh (7.0-16.0 kW)



SECS



Standard Wireless Controller

#### 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 OGMNG-1117.

