

# OMEGA TECHNOLOGY

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



## SE(CM,CS,CL)/SCVC SERIES

CASSETTE Air Conditioner

13 SEER Split Cooling System

Cooling Nominal: 18,000-60,000 Btuh (5.3-17.5 kW)

## Outdoor Unit Features

- ✓ Designed for Cooling @ 46C<sup>o</sup>/115F<sup>o</sup> ambient.
- ✓ Super Quiet Operation.
- ✓ Micro Channel Condenser .
- ✓ Compressor Overload Protection.
- ✓ High / Low Pressure Protection.
- ✓ Over Current Protection.
- ✓ Discharge High Temperature Protection.
- ✓ ETL Listed & AHRI Certified.

## Product Features

- ✓ 13 SEER in cooling mode.
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ Wireless Remote Control.
- ✓ Under & Over Voltage Protection.
- ✓ R410a Refrigerant.

## Indoor Unit Features

- ✓ Built in Drain Pump.
- ✓ Auto Setting for Cooling, Dehumidifying, Fan.
- ✓ Low noise design.
- ✓ Orifice Refrigerant Control.
- ✓ 4 Way Air Distribution.
- ✓ Auto Restart.
- ✓ Easy Flare Connections.
- ✓ Coaxial Turbo Fan.
- ✓ Auto Swing Louvers.

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OTEC  
AIR CONDITIONING

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

ISO 14001 ISO 9001



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## INDOOR UNIT

MODEL NO.	SEC	M018P 2A-RWD053	S024P 2A-RWD070	S036P 2A-RWD105	L048P 2A-RWD140	L060P 2A-RWD175
Cooling Capacity Btuh (kw)	Nominal	18,000 (5.3)	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (17.5)
Efficiency - SEER	Btuh/w (w/w)	13.0 (3.8)	13.0 (3.8)	13.0 (3.8)	13.0 (3.8)	13.0 (3.8)
Refrigerant Control	Accurator / Piston Type @ Indoor Unit					
Fan	Type	Coaxial Turbo Fan				
	Speed	3	3	3	3	3
	Air Flow CFM (m <sup>3</sup> /hr) - Hi	370 (630)	738 (1250)	972 (1650)	972 (1650)	972 (1650)
	Noise Level (dB) - Hi	49	49	52	52	52
	Motor Input (Watts)	60	155	200	200	200
Coil Type:	Grooved Copper Tubes - Aluminum Blue Slit Fin					
Air Filter	Cleanable Cartridge Type					
Electrical	Voltage	208/230-1-60				
	Range	min 187 - max 253			min 198 - max 242	
	FLA	0.30	0.72	0.95	0.95	0.95
Controls	LCD Wireless Remote Control					
Refrigerant Connections	Type	Flare				
inches (mm)	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Suction	5/8 (15.8)	5/8 (15.8)	3/4 (19.0)	3/4 (19.0)	3/4 (19.0)
Drain Connections inches (mm)		1 (25)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Body Dimensions inches (mm)	Height	8 7/8 (225)	8 7/8 (225)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)
	Width	48 (1220)	48 (1220)	55 7/8 (1420)	66 7/8 (1700)	66 7/8 (1700)
	Depth	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)
Net Weight Lbs (kgs)		85.8 (39)	92 (42)	92 (42)	115 (52)	115 (52)
Panel Dimensions inches (mm)	Height	1 1/2 (40)	2 1/4 (60)	2 1/4 (60)	2 1/4 (60)	2 1/4 (60)
	Width	25 1/2 (650)	37 1/2 (950)	37 1/2 (950)	37 1/2 (950)	37 1/2 (950)
	Depth	25 1/2 (650)	37 1/2 (950)	37 1/2 (950)	37 1/2 (950)	37 1/2 (950)
Net Weight Lbs (kgs)		9 (4)	15 (7)	15 (7)	15 (7)	15 (7)

## OUTDOOR UNIT

MODEL NO.	SCVC	018S 2A-RLD053	024S 2A-RLD070	036S 2A-RHD105	048S 2A-RDD140	060S 2A-RDD175
Compressor Type		Rotary			Scroll	
Outdoor Fan	No of Fans	1	1	1	1	1
	Noise Level (dB)	59	58	61	64	66
Coil Type:	Aluminum Micro channel					
Electrical	Voltage	208/230-1-60				
	Range (min-max)	min 187 - max 253				
	Running Amps (RLA)	7.9	9.8	15.1	21	25
	Cooling Pwr. Input Nom. (W)	1650	2100	3000	4300	5100
	Min. Circuit Amps (MCA)	11.7	15.0	22.6	30.5	38
	Max Fuse Amps (MOCP)	15	20	30	35	40
Refrigerant Charge R410a (oz./kgs.)		52.9 / 1.5	67.0 / 1.9	84.7 / 2.4	105.8 / 3.0	141.1 / 4.0
Refrigerant Connections	Type	Sweat				
inches (mm)	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)
	Suction	5/8 (15.9)	5/8 (15.9)	3/4 (19.1)	7/8 (22.2)	1 1/8 (28.5)
Max Pipe Distance Ft.(m)	Height	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)
	Length	100 (33)	100 (33)	100 (33)	100 (33)	100 (33)
Dimensions inches (mm)	Height	24 (610)	24 3/8 (620)	29 (735)	29 (735)	33 1/2 (850)
	Width	21 1/2 (546)	24 (610)	27 (710)	27 (710)	29 1/2 (750)
	Depth	21 1/2 (546)	24 (610)	27 (710)	27 (710)	29 1/2 (750)
Net Weight Lbs (kgs)		99.2 (45)	119.0 (54)	154.3 (70)	185.2 (84)	233.7 (106)

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SCVC



Standard Wireless Controller



Optional Wired 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 OMGNM-0115.

✓ AHRI Rating is applicable with SCVC outdoor unit



**OMEGA**

ENVIRONMENTAL TECHNOLOGIES LLC.

17702 Mitchell North, #101  
Irvine, CA 92614, USA

Tel: 714 796 2830  
Fax: 714 966 1649

info@oetusa.com  
www.omegavirtualtechnologies.com



**ISO 14001 ISO 9001**

**OTEC**

AIR CONDITIONING  
**Showroom & Technology Center**  
 11380 Interchange Circle North  
 Miramar, FL 33025 . USA  
 Tel: 305 731 2140, 888 840 7550  
 Fax: 954 212 8280  
 info@otecus.com  
 www.otecus.com