

OMEGA

TECHNOLOGY

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



SEFC



SCVC

SEFC/SCVC SERIES

FLOOR CEILING Air Conditioner

13 SEER Split Cooling System

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

Product Features

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

Outdoor Unit Features

- ✓ Designed for Cooling @ 46C⁰/115F⁰ 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.

Indoor Unit Features

- ✓ Auto Swing (Vertical).
- ✓ Auto Setting for Cooling, Dehumidifying, Fan.
- ✓ Quiet Centrifugal Blower.
- ✓ Orifice Refrigerant Control.
- ✓ Painted Decorative Cabinet.
- ✓ Auto Restart.
- ✓ Easy Flare Connections.
- ✓ Anti-Freezing protection.

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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.	SEFC	018P 2A-RWD053	024P 2A-RWD070	036P 2A-RWD105	048P 2A-RWD140	060P 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	Centrifugal				
	Speed	3	3	3	3	3
	Air Flow CFM (m³/hr) - Hi	588 (1000)	706 (1200)	765 (1300)	1176 (2000)	1235 (2100)
	Noise Level (dbA) - Hi	42	45	48	50	52
	Motor Input (Watts)	45	65	140	190	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				
	FLA	0.62	0.65	0.65	1.6	1.6
Controls	LCD Wireless Remote Control					
Refrigerant Connections inches (mm)	Type	Flare				
	Liquid	1/4 (6.4)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)
Suction		1/2 (12.7)	5/8 (15.9)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)
	Drain Connections inches (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
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)

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 (dbA)	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 inches (mm)	Type	Sweat				
	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)
Dimensions inches (mm)	Length	100 (33)	100 (33)	100 (33)	100 (33)	100 (33)
	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)

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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 OMGNM-0115.

✓ AHRI Rating is applicable with SCVC outdoor unit