

OMEGA

TECHNOLOGY

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



SEFC

SEFC SERIES

12 SEER - Floor Ceiling
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.

Indoor Unit Features

- ✓ R410A Environmental Refrigerant
- ✓ Flexible Installation
- ✓ Capability of Floor Standing or Ceiling Suspended
- ✓ Washable Air Filter
- ✓ Auto-Swing Function
- ✓ Built-in Two Louver Motor
- ✓ Vertical and Horizontal Air-Flow Adjustment
- ✓ Built-in Water Pump (Opt.)
- ✓ Water Leakable Protection
- ✓ Self-Diagnostic
- ✓ Auto-Restart
- ✓ Quiet Centrifugal Blower
- ✓ Remote Controller (Std.)
- ✓ Wired Controller (Opt.)
- ✓ Touch Screen Wired Controller (Opt.)

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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	224S 2A-GWC070	236S 2A-GWC105	260S 2A-GWC160
Cooling Capacity Btuh (kW)	Nominal	24,000 (7.0)	36,000 (10.5)	60,000 (17.6)
Efficiency - SEER	Btuh/W (WW)	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
	Air Flow CFM (m ³ /hr) - Hi	706 (1200)	1412 (2400)	1235 (2100)
	Noise Level (dbA) - Hi	52	57	55
	Motor Input (Watts)	135	360	135 x 2
Coil Type:		Grooved Copper Tubes - Hydrophilic Aluminum Fin		
Air Filter:		Cleanable Cartridge Type		
Electrical	Voltage	208/230-1Ph-60Hz		
	Range	min 187 - max 253		
	FLA	1.9	1.09	1.9
Controls:		Remote Controller (Std.) - Wired Controller (Opt.) - Touch Screen Wired Controller (Opt.)		
Refrigerant Connections inches (mm)	Type	Sweat		
	Liquid	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Suction	5/8 (15.88)	3/4 (19.05)	3/4 (19.05)
Farthest Indoor Pipe Length ft (m)		65 (20)		
Maximum Total Pipe Length ft (m)		32 (10)		
Drain Connection Inches (mm)		1 (25)		
Dimensions inches (mm)	Height	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)
	Width	41 3/8 (1050)	49 1/2 (1250)	65 3/4 (1670)
	Depth	26 5/8 (675)	26 5/8 (675)	26 5/8 (675)
Net Weight	Lbs (kgs)	58.3 (26.5)	70.4 (32)	88 (40)

OUTDOOR UNIT

MODEL NO.	SCVC	224S 2A-GTC070	236S 2A-GLC105	248S 2A-GLC140	260S 2A-GLC160	248S 4A-GHC140	260S 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)	16.6	18.1	23.0	28.8	20.5	20.8
	Max Fuse Amps (MOCP)	25.0	30.0	40.0	50.0	35.0	35.0
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)
Max Pipe Distance Ft.(m)	Height	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)
	Length	65 (20)	65 (20)	65 (20)	65 (20)	65 (20)	65 (20)
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)	164.0 (74.5)	202.8 (92.0)	184.4 (83.8)	195.8 (89)

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12 SEER - Floor Ceiling

60 Hz Split Cooling System

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



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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.

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