

OMEGA

TECHNOLOGY

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

SEMP SERIES

12 SEER - Medium Static Ducted Fan Coil

50 & 60 Hz Split Cooling System

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

Product Features

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



SEMP

Indoor Unit Features

- ✓ R410A Environmental Refrigerant
- ✓ Super Quiet Operation
- ✓ Adjustable Fan Speed
- ✓ 30Pa ESP Design
- ✓ Adjustable Air Return Placement
- ✓ Air Return from bottom or rear
- ✓ Easy and Convenient Filter Placement
- ✓ Ultra-Thin Body Design
- ✓ Auto Setting for Cooling, Dehumidifying, Fan
- ✓ Wired Controller (Std.)
- ✓ Remote 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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SEMP SERIES

12 SEER - Medium Static Ducted Fan Coil
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INDOOR UNIT						
MODEL NO.	SEMP	224S 2A-GCC070	236S 2A-GCC105	248S 2A-GCC140	260S 2A-GCC160	
Cooling Capacity Btuh (kW)		Nominal	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (17.6)
Efficiency - SEER		Btuh/W (W/W)	12 (3.5)			
Refrigerant Control		Capillary Tube @ Outdoor Unit				
Fan	Type	Centrifugal				
	Speed	4	4	4 x 2	4 x 2	
	Air Flow CFM (m ³ /hr) - Hi	676 (1150)	765 (1300)	1176 (2000)	1176 (2000)	
	Noise Level (dbA) - Hi/Lo	52/40	50/45	56/51	56/51	
	Static Pressure (Pa)	30	30	30	30	
Motor Input (Watts)		200	330	165+330	165+330	
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin				
Air Filter:		Field Supplied				
Electrical	Voltage	208~230V-1Ph-60Hz & 50Hz				
	Range	min 187 - max 253				
	FLA	0.91	1.5	2.25	2.25	
Controls:		24V Thermostat				
Refrigerant Connections inches (mm)	Type	See Outdoor Unit Data				
	Liquid	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)	
	Drain Connection Inches (mm)	1 (25)	1 (25)	1 (25)	1 (25)	
Dimensions inches (mm)	Height	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	
	Width	46 7/8 (1190)	46 7/8 (1190)	56 1/8 (1425)	56 1/8 (1425)	
	Depth	25 3/8 (643)	25 3/8 (643)	25 3/8 (643)	25 3/8 (643)	
Net Weight	Lbs (kgs)	70.4 (32)	70.4 (32)	101.2 (46)	101.2 (46)	

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-1117.



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