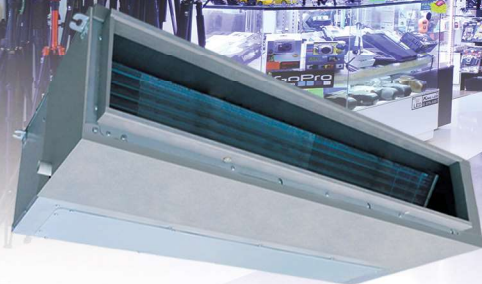


OMEGA

TECHNOLOGY

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



SEMP



SCVC

SEMP SERIES

12 SEER - Medium Static Ducted Fan Coil
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.

Outdoor Unit Features

- ✓ Designed for Cooling @ 46C °/115F ° ambient.
- ✓ Super Quiet Operation.
- ✓ Copper Tubes / AL Fins Condenser.
- ✓ Compressor Overload Protection.
- ✓ High / Low Pressure Protection.
- ✓ Over Current Protection.
- ✓ Discharge High Temperature Protection.
- ✓ Available as 208~230V/1Ph/60Hz & 208~230V/3PH/60Hz

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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INDOOR UNIT

MODEL NO.	SEMP	224S 2A-GCC070	236S 2A-GCC105	248S 2A-GCC140	260S 2A-GCC160	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)	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	4 x 2	4 x 2
	Air Flow CFM (m ³ /hr) - Hi	676 (1150)	765 (1300)	1176 (2000)	1176 (2000)	1176 (2000)	1176 (2000)
	Noise Level (dbA) - Hi/Lo	52/40	50/45	56/51	56/51	56/51	56/51
	Static Pressure (Pa)	30	30	30	30	30	30
Motor Input (Watts)	200	330	165+330	165+330	165+330	165+330	
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin					
Air Filter:		Field Supplied					
Electrical	Voltage	208-230V-1Ph-60Hz					
	Range	min 187 - max 253					
	FLA	0.91	1.5	2.25	2.25	2.25	2.25
Controls:		Wired Controller (Std.) - Remote Controller (Opt.) - Touch Screen Wired Controller (Opt.)					
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)	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)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)
	Drain Connection Inches (mm)	1 (25)	1 (25)	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)	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)	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)	25 3/8 (643)	25 3/8 (643)
Net Weight	Lbs (kgs)	70.4 (32)	70.4 (32)	101.2 (46)	101.2 (46)	101.2 (46)	101.2 (46)

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)	15.6	18.5	24.1	29.1	21.6	21.1
	Max Fuse Amps (MOCP)	25	30	39	45	35	35
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)	3/4 (19.1)
	Max Pipe Distance Ft.(m)	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)	32 (10)
Dimensions inches (mm)	Height	65 (20)	65 (20)	65 (20)	65 (20)	65 (20)	65 (20)
	Length	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)

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SEMP



SCVC

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.