

OMEGA

TECHNOLOGY

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



SEUA



SCVC

SEUA SERIES

Air Handler Air Conditioner

50Hz Split Cooling and Heating System

Cooling Nominal: 36,000-60,000 Btuh (10.5-16.0 kW)

Product Features

- ✓ Fixed Speed Cooling and Heating System
- ✓ Self-Diagnosis.
- ✓ Wireless Remote Control.
- ✓ 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 380V/3Ph/50Hz.

Indoor Unit Features

- ✓ R410A Environmental Refrigerant
- ✓ Galvanized Steel Cabinet
- ✓ Primary and Secondary Drainage Design
- ✓ Durable Non Corrosive Plastic Drain Pan
- ✓ Piston Expansion Device
- ✓ Enhanced Aluminum Fins with Copper Tubing Coil
- ✓ Different Selections of Air Flow
- ✓ Multi-Positions Installation
- ✓ Horizontal & Vertical Installation
- ✓ Detachable Air Filter for Cleaning or Renewal

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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.	SEUA		236S	248S	260S
			3A-GWC105	3A-GWC140	3A-GWC160
Cooling Capacity Btuh (kW)		Nominal	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
Fan	Type	Centrifugal			
	Speed	2			
	Air Flow CFM (m³/hr) - Hi	885 (1500) 1300 (2200) 1300 (2200)			
	Capacitor (µF)	6 15 15			
	Noise Level (dBa) - Hi/Lo	56/51 57/51 57/51			
Motor Input (Watts)		240 350 350			
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin			
Air Filter		Cleanable Cartridge Type			
Electrical	Voltage	220/240-1-50Hz			
	Range	min 187 - max 253			
	FLA	1.00	1.46	1.46	
Drain Connections inches (mm)		1 (25)			
Unit Dimensions	Body Dimensions inches (mm)	Height	30 1/2 (774)	38 1/4 (970)	38 1/4 (970)
		Width	18 1/8 (460)	19 5/8 (500)	19 5/8 (500)
		Depth	20 1/2 (520)	21 5/8 (550)	21 5/8 (550)
Net Weight	Body Weight	Lbs (kgs)	81.4 (37)	99 (45)	99 (45)

OUTDOOR UNIT

MODEL NO.	SCVC		236S	248S	260S
			7A-GHC105	7A-GCC140	7A-RCC160
Cooling Capacity Btuh (kW)		Nominal	36,000 (10.5)	48,000 (14.0)	60,000 (16.0)
Heating Capacity Btuh (kW)		Nominal	39,000 (11.5)	52,000 (15.2)	60,000 (16.0)
Compressor Type		Scroll			
Outdoor Fan	No of Fans	1			
	Input (W)	400 325 325			
	Capacitor	6 12 12			
	Noise Level (dbA)	65 65 65			
Coil Type:		Copper Tubes / AL Fins Condenser			
Electrical	Voltage	380/415-3-50			
	Range (min-max)	min 342 - max 457			
	Rated Current (RLA)	6.58	8.22	9.77	
	Locked Rotor Amps (LRA)	48	66	70	
	Cooling Pwr. Input Nom. (W)	3650	4750	5750	
	Min. Circuit Amps (MCA)	9.2	11.7	13.7	
Max Fuse Amps (MOCP)		15 20 25			
Refrigerant Charge R410a (oz./kgs.)		93.4 / 2.65 126.9 / 3.6 126.9 / 3.6			
Refrigerant Connections inches (mm)	Type	Sweat			
	Liquid	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	
Max Pipe Distance Ft.(m)	Suction	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	
	Height	32 (10)	32 (10)	32 (10)	
Unit Dimensions inches (mm)	Length	65 (20)	65 (20)	65 (20)	
	Height	24 7/8 (633)	32 7/8 (835)	32 7/8 (835)	
Net Weight	Width	21 7/8 (554)	29 1/8 (740)	29 1/8 (740)	
	Depth	21 7/8 (554)	29 1/8 (740)	29 1/8 (740)	
Lbs (kgs)		125.6 (57)	196.2 (89)	202.8 (92)	

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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 OMGNM-1117.