

OMEGA

TECHNOLOGY

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



SEUA



SCVC

SEUA SERIES

14 SEER - Air Handler

60 Hz Split Cooling System

Cooling Nominal: 36,000 & 60,000 Btuh (10.5 & 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.

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
- ✓ Primary and Secondary Drainage Design
- ✓ Different Selections of Air Flow
- ✓ Durable non Corrosive Plastic Drain Pans
- ✓ Easy Maintenance
- ✓ Φ 10.8" Blower with Big Fan and Powerful Wind
- ✓ Multi-Positions Installation
- ✓ Detachable Air Filter for Cleaning or Renewal
- ✓ 24V Control
- ✓ Copper Tubing/Aluminum Fins
- ✓ TXV as Expansion Device
- ✓ Direct Drive Motor with 3 Speeds



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

Notes:
Design, specification and performance data is subject to change without notice
Certifications and emblems shown are applicable to selected models only. Please contact Omega for details.

www.otecomega.com

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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.

INDOOR UNIT

MODEL NO.	SEUA	418S 2A-GNE053A	424S 2A-GNE070A	430S 2A-GNE090A	436S 2A-GNE05A	442S 2A-GNE125A	448S 2A-GNE140A	460S 2A-GNE160A
Cooling Capacity Btuh (kW)	Nominal	18,000 (5.3)	24,000 (7.0)	30,000 (8.8)	36,000 (10.5)	42,000 (12.3)	48,000 (14.0)	60,000 (17.6)
Heating Capacity Btuh (kW)	Nominal	17,200 (5.0)	22,200 (6.5)	28,800 (8.4)	33,500 (9.8)	40,000 (11.7)	46,000 (13.5)	55,000 (16.1)
AHRI Certified Efficiency - SEER (Btuh/W)		14.0						
Fan	Type	Centrifugal						
	Speed	3						
	Air Flow CFM (m ³ /h)	723 (1230)	938 (1594)	1204 (2050)	1376 (2440)	1562 (2655)	1695 (2881)	1695 (2881)
	Noise Level H/L/dB(A)	40	42	48	51	54	55	55
	External Static Pressure	25	25	37	37	37	50	50
Motor Input (W)		180	206	288	398	463	578	578
Throttle Type		TXV						
Coil Type:		Grooved Copper Tubes - Hydrophilic Aluminum Fins						
Electrical	Voltage	208/230V- 1Ph - 60Hz						
	Range	min 187 - max 253						
	FLA	0.82	0.94	1.31	1.81	2.10	2.63	2.63
Controls		24V Standard Control						
Dimensions inches (mm)	Height	45 3/4 (1162)	45 3/4 (1162)	45 3/4 (1162)	45 3/4 (1162)	53 1/8 (1350)	53 1/8 (1350)	53 1/8 (1350)
	Width	19 2/3 (500)	19 2/3 (500)	19 2/3 (500)	19 2/3 (500)	19 2/3 (500)	22 (560)	22 (560)
	Depth	22 (560)	22 (560)	22 (560)	22 (560)	22 (560)	24 (623)	24 (623)
Net Weight	Lbs (kgs)	123 (56)	130 (59)	132 (60)	134 (61)	137 (62)	176 (80)	176 (80)

OUTDOOR UNIT

MODEL NO.	SCVC	418S 2A-GHE053A	424S 2A-GHE070A	430S 2A-GHE090A	436S 2A-GHE05A	442S 2A-GHE125A	448S 2A-GHE140A	460S 2A-GHE160A
Compressor	Type	Rotary			Scroll			
	Rated Load Amps (RLA)	6.10	8.70	10.20	11.90	15.20	17.30	21.00
Outdoor Fan	No of Fans	1	1	1	1	1	1	1
	Motor Input (W)	145	178	178	207	207	510	510
	Air Flow CFM (m ³ /h)	1500 (2550)	1700 (2890)	1900 (3230)	2800 (4760)	6800 (4000)	6800 (4000)	6800 (4000)
	Noise Level (dB(A))	57	60	60	60	63	63	63
Coil Type:		Grooved Copper Tubes / AL Fins Condenser						
Electrical	Voltage	208/230V - 1Ph - 60Hz						
	Range (min-max)	min 187 - max 253						
	Cooling Pwr. Input Nom. (W)	1390	1950	2290	2700	3429	3962	4722
	Min. Circuit Amps (MCA)	8.4	11.8	14.1	16.7	21.1	24.3	28.9
	Max Fuse Amps (MOCP)	15.0	20.0	20.0	25.0	35.0	40.0	45.0
Refrigerant Charge R410a (oz./kgs.)		70.6 / 2.0	93.5 / 2.6	95.2 / 2.7	123.5 / 3.5	126.9 / 3.6	148.2 / 4.2	178.1 / 5.1
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)	3/8 (9.52)
	Suction	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)
Max Pipe Distance Ft(m)	Height	26 (8.0)	26 (8.0)	26 (8.0)	26 (8.0)	33 (10.1)	33 (10.1)	33 (10.1)
	Length	50 (15.2)	50 (15.2)	50 (15.2)	50 (15.2)	66 (20.1)	66 (20.1)	66 (20.1)
Dimensions inches (mm)	Height	25 (633)	25 (633)	25 (633)	25 (633)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)
	Width	21 4/5 (554)	21 4/5 (554)	21 4/5 (554)	29 1/7 (740)	29 1/7 (740)	29 1/7 (740)	29 1/7 (740)
	Depth	21 4/5 (554)	21 4/5 (554)	21 4/5 (554)	29 1/7 (740)	29 1/7 (740)	29 1/7 (740)	29 1/7 (740)
Net Weight	Lbs (kgs)	101/106 (46/48)	115/119 (52/54)	128/134 (53.7/56.3)	157/163 (71/74)	183/192 (83/87)	185/196 (84/89)	207/216 (94/98)

