OMEGA TECHNOLOGY

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

SERF

SERF/SCVC SERIES

RECESSED FAN COIL Air Conditioner

13 SEER Split Cooling System

Cooling Nominal: 18,000-36,000 Btuh (5.3-10.5 kW)

SCVC

Product Features

- 13 SEER in cooling mode.
- Auto Restart.
- Self-Diagnosis.
- Wired Remote Control.
- Under & Over Voltage Protection.
- R410a Refrigerant.

Outdoor Unit Features

- Designed for Cooling @ 46C ^{0}/115F ^{0} ambient.
- Super Quiet Operation.
- Micro Channel Condenser .
- Compressor Overload Protection.
- High / Low Pressure Protection.
- Over Current Protection.
- Discharge High Temperature Protection.
- ETL Listed & Ahri Certified.

Indoor Unit Features

- 24 V. Control Circuit.
- Auto Setting for Cooling, Dehumidifying, Fan.
- Quiet Centrifugal Blower.
- Orifice Refrigerant Control.
- Galvanized Casing.
- Auto Restart.
- Easy Flare Connections.
- Drain Pan Desing
- Optional 5, 8, & 10 Electric Heat Kit available.

eco FRIENDLY R410A REFRIGERANT

OMEGA

OTEC AIR CONDITIONING

CE AHRI CERTIFIED www.ahridirectory.org ETL LISTED

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.

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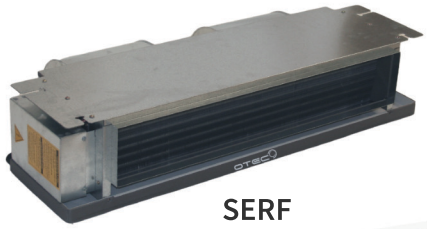
13 SEER Split Cooling System

Cooling Nominal: 18,000-36,000 Btuh (5.3-10.5 kW)

INDOOR UNIT						
MODEL NO.	SERF		018P 2A-RCD053	024P 2A-RCD070	030P 2A-RCD088	036P 2A-RCD105
Cooling Capacity Btuh (kw)		Nominal	18,000 (5.3)	24,000 (7.0)	30,000 (8.8)	36,000 (10.5)
Efficiency - SEER		Btuh/w (w/w)	13.0 (3.8)	13.0 (3.8)	13.0 (3.8)	13.0 (3.8)
Refrigerant Control			Accurator / Piston Type @ Indoor Unit			
Fan	Type		Centrifugal			
	Speed		3	3	3	3
	Air Flow CFM (m³/hr) - Hi		647 (1100)	691 (1174)	883 (1500)	1000 (1700)
	Noise Level (dbA) - Hi		62	62	62	63
	Motor Input (Watts)		95	95	125	125
Coil Type:			Grooved Copper Tubes - Aluminum Blue Slit Fin			
Air Filter			Field Supplied			
Electrical	Voltage		208/230-1-60			
	Range		min 187 - max 253			
	FLA		0.75	0.86	1.15	1.30
Controls			24 V. Fan Relay Control			
Refrigerant Connections inches (mm)			See Outdoor Unit Data			
Drain Connections inches (mm)			3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Dimensions inches (mm)	Height		9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)
	Width		40 1/2 (1034)	40 1/2 (1034)	52 1/2 (1334)	52 1/2 (1334)
	Depth		20 1/2 (520)	20 1/2 (520)	20 1/2 (520)	20 1/2 (520)
Net Weight	Lbs (kgs)		46.3 (21)	46.3 (21)	63.9 (29)	63.9 (29)

OUTDOOR UNIT						
MODEL NO.	SCVC		018S 2A-RLD053	024S 2A-RLD070	030S 2A-RDD088	036S 2A-RHD105
Compressor Type			Rotary			
Outdoor Fan	No of Fans		1	1	1	1
	Noise Level (dbA)		59	58	60	61
Coil Type:			Aluminum Micro channel			
Electrical	Voltage		208/230-1-60			
	Range (min-max)		min 187 - max 253			
	Running Amps (RLA)		7.9	9.8	12.6	15.1
	Cooling Pwr. Input Nom. (W)		1650	2100	2750	3000
	Min. Circuit Amps (MCA)		11.7	15.0	18.2	22.6
	Max Fuse Amps (MOCP)		15	20	20	30
Refrigerant Charge R410a (oz. / kgs.)			52.9 / 1.5	67.0 / 1.9	63.5 / 1.8	84.7 / 2.4
Refrigerant Connections inches (mm)	Type		Sweat			
	Liquid		3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Suction		5/8 (15.9)	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)
Max Pipe Distance Ft.(m)	Height		49 (15)	49 (15)	49 (15)	49 (15)
	Length		100 (33)	100 (33)	100 (33)	100 (33)
Dimensions inches (mm)	Height		24 (610)	24 3/8 (620)	29 (735)	29 (735)
	Width		21 1/2 (546)	24 (610)	24 (610)	27 (710)
	Depth		21 1/2 (546)	24 (610)	24 (610)	27 (710)
Net Weight	Lbs (kgs)		99.2 (45)	119.0 (54)	130.1 (59)	154.3 (70)



SERF

SCVC

Standard Wired Controller

Notes:

1. 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.
2. Ratings are based on indoor and outdoor connected by 25ft (7.5m) of tubing.
3. Refrigerant metering device is installed at the indoor unit as standard.
4. Sweat fittings are provided for connecting indoor and outdoor units.
5. Insulation of suction line only is required.
6. Outdoor units are shipped with full operating charge.
7. For details of model number nomenclature, please refer to publication OMGNM-0115.

✓ AHRI Rating is applicable with SCVC outdoor unit

eco FRIENDLY R410A REFRIGERANT

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