

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.

### 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.

### Outdoor Unit Features

- ✓ Designed for Cooling @ 46C<sup>o</sup>/115F<sup>o</sup> 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.

# OMEGA

TECHNOLOGIES

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## 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 (m <sup>3</sup> /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

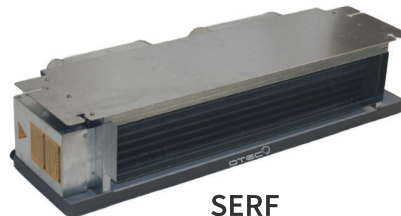
MODEL NO.	SCVC	018S 2A-RLD053	024S 2A-RLD070	030S 2A-RDD088	036S 2A-RHD105
Compressor Type		Rotary			
Outdoor Fan	No of Fans	1	1	1	1
	Noise Level (dba)	59	58	60	61
Coil Type:		Aluminum Micro channel			
Electrical	Voltage	208/230-1-60			
	Range (min-max)	min 187 - max 253			
	Running Amps ( RLA )	7.9	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)
Max Pipe Distance Ft.(m)	Suction	5/8 (15.9)	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)
	Height	49 (15)	49 (15)	49 (15)	49 (15)
Dimensions inches (mm)	Length	100 (33)	100 (33)	100 (33)	100 (33)
	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)

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Standard Wired Controller

### 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-0115.

✓ AHRI Rating is applicable with SCVC outdoor unit

**OMEGA**

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