

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



SEUC

SEUC/SCVC SERIES MULTI-POSITION Air Handler 13 SEER Split Cooling System

Cooling Nominal: 18,000-60,000 Btuh (5.3-17.5 kW)



SCVC

Product Features

- ✓ 13 SEER in cooling mode.
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ 24 V. Low Voltage Control Circuit.
- ✓ Under & Over Voltage Protection.
- ✓ R410a Refrigerant.

Indoor Unit Features

- ✓ DC Fan Motor for 060 Model.
- ✓ Auto Setting for Cooling, Dehumidifying, Fan.
- ✓ Low noise design.
- ✓ Orifice Refrigerant Control.
- ✓ Horizontal & Vertical installation.
- ✓ Auto Restart.
- ✓ Easy Connect Sweat Connections.
- ✓ Double Drain pan desing.
- ✓ Optional 5,10,15 & 20 kW Electric Heat kit available.

Outdoor Unit Features

- ✓ Designed for Cooling @ 46C °/115F ° ambient.
- ✓ Super Quiet Operation.
- ✓ Micro Channel Condenser .
- ✓ Sweat Service Valves.
- ✓ Compressor Overload Protection.
- ✓ High / Low Pressure Protection.
- ✓ Over Current Protection.
- ✓ Discharge High Temperature Protection.
- ✓ ETL Listed & AHRI Certified.



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INDOOR UNIT

MODEL NO.	SEUC	018P 2A-RLD053	024P 2A-RLD070	030P 2A-RLD090	036P 2A-RLD105	042P 2A-RLD125	048P 2A-RLD140	060P 0A-RLD175	
Cooling Capacity Btuh (kw)		Nominal	18,000 (5.3)	24,000 (7.0)	30,000 (8.8)	36,000 (10.5)	42,000 (12.5)	48,000 (14.0)	60,000 (17.5)
Efficiency - SEER		Btuh/w (w/w)	13.0 (3.8)	13.0 (3.8)	13.0 (3.8)	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	2	2	2	4	4	2	DC	
	Air Flow CFM (m ³ /hr) - Hi	640 (1900)	825 (1400)	980 (1660)	1140 (1940)	1300 (2210)	1400 (2380)	1650 (2800)	
	Noise Level (dba) - Hi	48	48	50	48	50	50	55	
	Motor (Watts)	45	150	185	245	245	375	560	
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin							
Air Filter		Throw Away Type							
Electrical	Voltage	208/230-1-60							
	Range	min 187 - max 254							
	FLA	0.62	1.52	1.25	2.0	2.0	2.5	4.6	
Controls		24V, 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)	3/4 (19)	3/4 (19)	3/4 (19)	
Dimensions inches (mm)	Height	43 1/2 (1105)	43 1/2 (1105)	43 1/2 (1105)	48 1/8 (1224)	48 1/8 (1224)	48 1/8 (1224)	48 1/8 (1224)	
	Width	18 1/8 (460)	18 1/8 (460)	18 1/8 (460)	21 3/8 (540)	21 3/8 (540)	25 1/8 (640)	25 1/8 (640)	
	Depth	21 3/8 (540)	21 3/8 (540)	21 3/8 (540)	21 3/8 (540)	21 3/8 (540)	21 3/8 (540)	21 3/8 (540)	
Net Weight	Lbs (kgs)	114.4 (52)	117 (53)	122 (55.5)	143 (65)	147 (67)	174 (79)	176 (80)	

OUTDOOR UNIT

MODEL NO.	SCVC	018S 2A-RLD053	024S 2A-RLD070	030S 2A-RLD090	036S 2A-RHD105	042S 2A-RDD125	048S 2A-RDD140	060S 2A-RDD175	
Compressor Type		Rotary				Scroll			
Outdoor Fan	No of Fans	1	1	1	1	1	1	1	
	Noise Level (dba)	59	58	60	61	62	64	66	
Coil Type:		Aluminum Micro channel							
Electrical	Voltage	208/230-1-60							
	Range (min-max)	min 187 - max 254							
	Running Amps (RLA)	7.9	9.8	12.6	15.1	21.5	21	25	
	Cooling Pwr. Input Nom. (W)	1650	2100	2750	3000	3800	4300	5100	
	Min. Circuit Amps (MCA)	11.7	15.0	18.2	22.6	30.6	30.5	38	
	Max Fuse Amps (MOCP)	15	20	20	30	35	35	40	
Refrigerant Charge R410a (oz./kgs.)		52.9 / 1.5	67.0 / 1.9	63.5 / 1.8	84.7 / 2.4	81.1 / 2.3	105.8 / 3.0	141.1 / 4.0	
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)	1/2 (12.7)	
	Suction	5/8 (15.9)	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)	1 1/8 (28.5)	
Max Pipe Distance Ft. (m)	Height	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	
	Length	100 (33)	100 (33)	100 (33)	100 (33)	100 (33)	100 (33)	100 (33)	
Dimensions inches (mm)	Height	24 (610)	24 3/8 (620)	29 (735)	29 (735)	29 (735)	29 (735)	33 1/2 (850)	
	Width	21 1/2 (546)	24 (610)	24 (610)	27 (710)	27 (710)	27 (710)	29 1/2 (750)	
	Depth	21 1/2 (546)	24 (610)	24 (610)	27 (710)	27 (710)	27 (710)	29 1/2 (750)	
Net Weight	Lbs (kgs)	99.2 (45)	119.0 (54)	130.1 (59)	154.3 (70)	172.0 (78)	185.2 (84)	233.7 (106)	

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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 OGMNM-0115.

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