



Eco-Smart, Inc.

TOLL FREE: (888)329-2705 FAX: (941)377-9460 info@eco-smart.com

Solar Air Conditioning - Ceiling Cassette

SPECIFICATIONS CEILING CASSETTE COMPACT SERIES

MODEL	INDOOR UNIT		SCK12SPC		SPC18SPC	
	OUTDOOR UNIT		SP12C		SP18C	
NOMINAL COOLING CAPACITY	Btu/h		12,000		18,000	
	W		3,516		5,274	
	kcal/h		30.24		4,536	
RATED TOTAL POWER CONSUMPTION	W		858		1,144	
RATED TOTAL RUNNING CURRENT	A		3.9		5.2	
ENERGY EFFICIENCY RATING			13.98		15.73	
REFRIGERANT / CONTROL			R407C			
INDOOR						
POWER SOURCE	V/Ph/Hz		220- 240/1/50-60			
FAN	FAN TYPE		TURBO FAN			
	AIR FLOW	cfm	410/11.6		450/12.7	
	RATED INPUT POWER	W	60		74	
	RATED RUNNING CURRENT	A	0.28		0.31	
DIMENSION () - WITH PANEL	HEIGHT	mm/in	250 (295)/9.8 (11.6)			
	WIDTH	mm/in	570 (640)/22.4 (25.2)			
	DEPTH	mm/in	570 (640)/22.4 (25.2)			
WEIGHT	kg	23 + 2		23 + 2		
SOUND PRESSURE LEVEL - H	dBA	41/40/39		44/43/41		
CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT			
	AIR DISCHARGE		4-WAY AUTOMATIC LOUVRE (UP & DOWN)			
	OPERATION		LCD WIRELESS MICROCOMPUTER REMOTE CONTROL			

SPECIFICATIONS CEILING CASSETTE STANDARD SERIES

MODEL	INDOOR UNIT		SCK18SPS	SCK24SPS	SCK30SPS	SCK40SPS		SCK50SPS
	OUTDOOR UNIT		SP18C	SP24C	SP30C	SP35C	SP40C	SP50C
NOMINAL COOLING CAPACITY	Btu/h		18,000	24,000	30,000	35,000	40,000	50,000
	W		5,274	7,032	8,790	10,255	11,720	14,650
	kcal/h		4,536	6,048	7,560	8,820	10,080	12,600
RATED TOTAL POWER CONSUMPTION	W		1,132	1,804	2,970	3,080	2,741	3,717
RATED TOTAL RUNNING CURRENT	A		5.06	8.2	13.5	14.0	6.07	8.05
ENERGY EFFICIENCY RATING (EER)			15.9	13.3	10.10	11.36	14.59	13.45
REFRIGERANT / CONTROL			R407C			R407C		
INDOOR								
POWER SOURCE	V/Ph/Hz		220-240/1/50-60			220-240/1/50-60		
FAN	FAN TYPE		TURBO FAN			TURBO FAN		
	AIR FLOW	cfm/cmm	770/21.8	810/22.9	920/26.0	1,030/29.1		1,080/30.6
	RATED INPUT POWER	W	127	144	160	184		232
	RATED RUNNING CURRENT	A	0.53	0.62	0.68	0.8		1.02
DIMENSION () - WITH PANEL	HEIGHT	mm/in	3.35 (363)/13.2 (14.3)					
	WIDTH	mm/in	820 (930)/32.2 (36.6)					
	DEPTH	mm/in	820 (930)/32.2 (36.6)					
WEIGHT (UNIT + PANEL)	kg	31 + 4	32 + 4	35 + 4	38 + 4		40 + 4	
SOUND PRESSURE LEVEL - H/M/L	dBA	42/39/37	45/42/40	49/45/43	51/48/46		53/52/50	
CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT			MICROCOMPUTER CONTROLLED THERMOSTAT		
	AIR DISCHARGE		4-WAY AUTOMATIC LOUVER (UP & DOWN)			4-WAY AUTOMATIC LOUVER (UP & DOWN)		
	OPERATION		LCD WIRELESS MICROCOMPUTER REMOTE CONTROL			LCD WIRELESS MICROCOMPUTER REMOTE CONTROL		

Solar Air Conditioning - Ceiling Cassette

SPECIFICATIONS CEILING CASSETTE B SERIES

MODEL		INDOOR UNIT	SCK12SPB	SCK18SPB	SCK24SPB	SCK30SPB			
		OUTDOOR UNIT	SP12C	SP18C	SP24C	SP30C			
NOMINAL COOLING CAPACITY		kcal/h	3,024	4,536	6,048	7,560			
		W	3,516	5,274	7,032	8,790			
		Btu/h	12,000	18,000	24,000	30,000			
REFRIGERANT/CONTROL			R407C OUTDOOR		R407C TUBE INDOOR				
INDOOR	POWER SOURCE		V/Ph/Hz	220-240/1/50-60					
	FAN	FAN TYPE		TURBO FAN					
		AIR FLOW		cfm	430	430	500	607	
		FAN MOTOR			6 POLES x 22W	6 POLES x 22W	6 POLES x 25w	6 POLES x 34W	
	COIL	RATED INPUT POWER		W	72	72	79	108	
		RATED RUNNING CURRENT		A	0.31	0.31	0.33	0.45	
		TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER		mm/in	9.52/3/8			
			THICKNESS		mm/in	0.35/0.014			
		FIN	MATERIAL		ALUMINUM HYDROPHILIC SLIT		ALUMINUM SLIT		
			THICKNESS		mm/in	0.11/0.0043			
			ROW/FPI			1/18	2/14	2/14	2/16
		FACE AREA		m ² /ft ²	0.38/4.1	0.38/4.1	0.38/4.1	0.38/4.1	
	DIMENSION (H x W x D)		mm (in)	293 (11.5) x 650 (25.6) x 650 (25.6)					
	DIMENSION WITH PANEL (H x W x D)		mm (in)	345 (13.6) x 727 (28.6) x 727 (28.6)					
WEIGHT		kg	30 + 3	30 + 3	31 + 3	32 + 3			
SOUND PRESSURE LEVEL-H/M/L		dB(A)	41/39/38	44/41/39	44/40/38	47/44/40			

Notes:

- Specifications are subject to change by the Manufacturer without prior notice.
- Nominal Cooling Capacity is based on the following conditions: Cooling 27° DB/19° WB Indoor and 35° CB outdoor
- Sound pressure level is tested according to J13 D 3015 Measurement point is 1.0m in Front and 0.3m below the unit.

*Available in wireless models only.