



Solar Thermal Air Conditioning

SINGLE SPLIT WALL MOUNT

MODEL			STA-012SPWM	STA-018SPWM	STA-024SPWM
Power supply		Ph-V-Hz	208-230V~50/60Hz ,1Ph	208-230V~50/60Hz ,1Ph	208-230V~50/60Hz ,1Ph
Cooling	Capacity	Btu/h	12000	18000	24000
	Rated current	A	4.8	7.2	11.2
	Operatiang Power Input	W	480.0	768.0	1100.0
	Operating current (av)	A	2.0	3.2	4.8
MINIMUM CIRCUIT AMPACITY		A	15	15	18
MAX.FUSE		A	15	20	25
Compressor	Type		ROTARY	ROTARY	ROTARY
	Capacity	Btu/h	10014	13836	24344
	Input	W	748	1035	1970
	Rated current(RLA)	A	6.8	10.5	12
	Refrigerant oil/oil charge	ml	ESTER OIL VG74-370	VG74/450	ESTER OIL VG74/670
	Input	W	20(Output)	30(Output)	58(Output)
	RLA	A	0.2	0.3	0.4
Speed(Hi/Mi/Lo)		r/min	1050/850/650	1100/800/700	1100/900/700
Indoor air flow (Hi/Mi/Lo)		m3/h	500/350/240	660/450/380	1000/780/600
Indoor air flow (Hi/Mi/Lo)		CFM	294/206/141	388/265/224	589/459/353
Indoor noise level (Hi/Mi/Lo)		dB(A)	40.5/-/25	45/-/29	45.5/-/33
Indoor unit	Dimension(W*D*H)	mm	802x189x297	965x215x319	1080x226x335
	Packing (W*D*H)	mm	875x285x375	1045X305X405	1155x415x315
	Net/Gross weight	Kg	8.5/10.2	11.8/15.5	13.2/16.8
	Input	W	32(Output)	48(Output)	63(Output)
	RLA	A	0.4	0.6	0.6
	Speed	r/min	860	880	940
Outdoor air flow		m3/h	1900	2500	2700
Outdoor air flow		CFM	1120	1470	1590
Outdoor noise level		dB(A)	57	57.5	59
Outdoor unit	Dimension(W*D*H)	mm	770x300x555	800x333x554	845x363x702
	Packing (W*D*H)	mm	900x345x585	920x390x615	965x395x755
	Net/Gross weight	Kg	29.5/32	36.5/39.5	47.7/51.0
Refrigerant type		g	R407C/961g	R407C/1500g	R4407C/1800g
Design pressure		PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25	30	30
	Max. difference in level	m	10	20	20
Connection wiring			16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
Thermostat type			Remote Control	Remote Control	Remote Control
Operation temperature	Indoor	℃	17~33	17~34	17~35