



R410A Hybrid ACDC Solar Air Conditioner					
Model	Unit	SK-ACDC-12K	SK-ACDC-18K	SK-ACDC-24K	
Application area	m ²	12-20	20-30	30-42	
Power Supply	AC Power	Ph-V-Hz	208V-240V/50-60HZ	208V-240V/50-60HZ	208V-240V/50-60HZ
	DC Power (PV in Series)	V	80-380V	80-380V	80-380V
	DC Power Current	A	</=12A	</=12A	</=12A
Advised Solar Panel	Pcs	(3-4)*330W in series	(3-6)*330W in series	(3-8)*330W in series	
Rated Cooling	Capacity(T1)	W	3510(900-3900)	5070(1200-6000)	6450(1800-7900)
		BTU	12000(3000-13300)	17300(4100-20400)	22000(6100-27000)
	Power input(T1)	W	940(190-1270)	1400(220-2100)	1790(300-3200)
	Capacity(T3)	W	2910	4290	5130
Rated Heating	Capacity	W	4100(1000-4500)	6100(1200-6800)	7800(1800-9100)
		BTU	14000(3000-15300)	20800(4100-23000)	26600(6100-31000)
	Power input	W	1170(190-1700)	1770(220-2500)	2290(300-3500)
T1 EER (W/W)/(BTU/W)	/	3.75/12.75	3.60/12.35	3.60/12.30	
T3 EER (W/W)/(BTU/W)	/	2.75/9.45	2.65/9.00	2.65/9.00	
COP (W/W)/(BTU/W)	/	3.50/11.95	3.45/11.75	3.40/11.60	
Dehumidification capacity	L/h	1.3	1.7	2.5	
Compressor	Model	/	WHP04200	WHP05600	5RD198
	Type	/	2xRotary Inverter	2xRotary Inverter	2xRotary Inverter
	Brand	/	Highly	Highly	Panasonic
Indoor fan motor	Model	/	BLDC-15W	BLDC-45W	BLDC-45W
Indoor air flow(Turbo/Hi/Mi/Lo)	m ³ /h		540/485/435/350	980/880/740/620	1290/1180/1070/900
Indoor noise level (Turbo)	dB(A)		≤42.5	≤46	≤50
Indoor unit	Dimension(W×H×D)	mm	840×205×295	1080×330×237	1080×330×237
	Packing (W×H×D)	mm	920×290×360	1140×300×382	1140×300×382
	Net /Gross weight	Kg	9.0/12.5	15.0/18.5	15.0/18.5
Outdoor fan motor	Model	/	BLDC-40W	BLDC-55W	BLDC-75W
	Speed	r/min	880	880	850
Outdoor noise level	dB(A)		≤52	≤55	≤58
Outdoor unit	Dimension(W×H×D)	mm	802×564×323	802×564×323	900×700×337
	Packing (W×H×D)	mm	910×622×405	910×622×405	1006×755×418
	Net/Gross weight	Kg	33.5/37.5	37/42.0	50/54.5
Refrigerant type	/		R410A	R410A	R410A
Max Design pressure	MPa		4.3/1.5	4.3/1.5	4.3/1.5
Refrigerant copper pipe	Gas/Liquid	inch	3/8 1/4	1/2 1/4	1/2 1/4
	Max. length	m	15	20	25
	Max. height	m	8	10	10
Electronic Expansion Valve	/		Yes	Yes	Yes
Loading QTY 40" Hq/ 20"GP	Sets		200/85	165/75	130/60