

## Specifications of Hybrid DC48V/AC220V Split Style Air Conditioner

Capacity		12000BTU	18000BTU	24000BTU	
Climate Type	Tropical<= 58°C		T3/T1		
Application area	m2	12-20	20-30	30-42	
Power Supply	AC Power	Ph-V-Hz			
	DC Power (PV in Series)	V	80-380V		
	DC Power Current	A	<=10A		
Adviced Solar Panel	Pcs	(3-4)*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
		BTU	9900	14700	17500
Power input(T3)	W	1050	1630	1940	
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			
	Brand	Highly		Panasonic	
Indoor fan motor	Model	BLDC-15W	BLDC-45W	BLDC-45W	
	Speed(Turbo/Hi/Mi/Lo)	r/min	1300/1200/1100/950	1050/950/850/750	1350/1250/1150/1000
Indoor air flow(Turbo/Hi/Mi/Lo)	m3/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	
	Packing (W×H×D)		920×290×360	1140×300×382	
	N.weight/G. weight	lbs	20/28	33/41	33/41
Outdoor fan motor	Model	BLDC-40W	BLDC-55W	BLDC-75W	
	Speed	r/min	880		
Outdoor air flow	m3/h	2100	2200	3300	
Outdoor noise level	dB(A)	≤52	≤55	≤58	
	Dimension(W×H×D)	mm/inch	802×564×323/32*22*13		900×700×337/35*28*13

Outdoor unit	Packing (W×H×D)	mm/inch	910×622×405/36*25*16		1006×755×418/40* 30*17
	Net/Gross weight	lb	33.5/37.5	37/42.0	50/54.5
Refrigerant type			R410a		
Max Design pressure		MPa	4.3/1.5		
Refrigerant copper pipe	Gas side/Liquid side (inch)	inch	3/8 1/4		
	Max. refrigerant pipe length	m	15	20	25
	Max. difference in level		8	10	
Drain pipe size		mm	16	16	
Refrigerant connction copper pipe length		m	3	4	
Connection wire length			4	5	
Electronic Expansion Valve			Yes		