



Jebel Solar Air Conditioner

JBL-AC-12K-HYB-C1



Technical Information

Technical Datasheet		12000BTU
Mode	UNIT	JBL-AC-12K-HYB-C1
Power Supply		
Power AC	Ph-V-Hz	208V-240V/50-60 Hz
Power DC, PV, series connection	Voc	80-380V
	Isc	< /=14A
Rated Cooling		
Capacity (TI)	W	3500 (800-3950)
	BTW	12000 (2700-13500)
Power Input (TI)	W	980 (150-1250)
TI EER (W/W)/ (BTU/W)	/	3.57 / 12.25
Max Power Input	W	1700
Dehumidification Capacity	L/h	1.3
Compressor		
Model	/	KSK103D33UEZ3
Type	/	ROTARY
Brand	/	GMCC
Capacity	W	3255
Thermal Protector	/	NO
Thermal Protector Position	/	/
Capacitor	uF	/
Refrigerant oil/oil charge	ml	ESTER OIL VG74/280
Indoor Fan Motor		
Model	/	ZWR15-Q52
Output	W	15
Brand	/	KAIBANG
Capacitor	r/min	-
Speed (Turbo/Hi/Mi/Lo)	/	1300/1200/1000/850
Indoor Coil		
a. Number of Rows	mm	2
b. Tube pitch(a) x row pitch(b)	mm	21x13.37
c. Fin spacing	/	1.3
d. Fin Type (code)	mm	Hydrophilic Aluminium
e. Tube outside dia. And type	mm	Φ7, innergroove tube
f. Coil length x height x width	/	650x345x26.74
g. Number of circuits	m3/h	2
Indoor air flow (Turbo/Hi/Mi/Lo)	dB (A)	650/600/470/370
Indoor noise level (Turbo)	mm	42.5 ≥

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Indoor Unit					
Dimension (WxHxD)		mm		840x205x295	
Packing (WxHxD)		kg		920x290x360	
Net weight / Gross weight		/		9.5/11.8	
Outdoor Fan Motor					
Model		/		BLDC ZWR35-A51	
Input		uF		40	
Brand		/		KAIBANG	
Capacitor		r/min		NO	
Speed		/		850	
Indoor Coil					
a. Number of Rows		mm		1	
b. Tube pitch(a) x row pitch(b)		mm		14.5x12.6	
c. Fin spacing		/		1.3	
d. Fin Type (code)		mm		Hydrophilic aluminium	
e. Tube outside dia. And type		mm		Φ5, innergroove tube	
f. Coil length x height x width		/		875x504x11.6 (26)	
g. Number of circuits				3	
Outdoor air flow		m ³ /h		2300	
Outdoor noise level		dB (A)		< 52	
Outdoor Unit					
Dimension (WxHxD)		mm		802 x 564 x 323	
Packing (WxHxD)		mm		910 x 622 x 405	
Net weight / Gross weight		kg		28.5 / 32.5	
Refrigerant type and charge volume		g		r32 (580)	
Max Design Pressure (Discharge/ Suction)		Mpa		4.3 / 1.5	
Refrigerant Piping					
Gas side/liquid side (Inch)		Inch		3/8 1/4	
Max. refrigerant pipe length		m		15	
Max. difference in level		m		8	
Drain Pipe size		mm		16	
Refrigerant piping length		m		3	
Connection wiring		m		4	
Throttle component type		/		Capillary	
Throttle component specification		/		25*1.2* 500mm	
Operation temp		C		16°C~32°C	
Ambient temp (cooling/heating)		C		16-55 /-	
Application Area		m ²		12 ~ 20	