

Ceiling Floor Type Hybrid Solar Air Conditioner



- 1. Hybrid Solar Powered Air Conditioner**
- 2. 30- 50% energy saving**
- 3. smooth running at -5 to 53C**
- 4. Mitsubishi or Toshiba compressor**

Feature:

- 1) High efficiently, energy-saving, comfortable and money saving, exceeding national first grade energy standard.
- 2) Durable and long-lived, smooth running.
- 3) Low-loaded operation of the compressor to extend its duration.
- 4) Healthy and comfortable, constant temperature and keeping air-conditioner disease away.
- 5) It is not frequency conversion air conditioner but superior to it because conversion type begins to save energy when the indoor temperature reaches the set value, while the hybrid solar air-conditioner runs in the optimal state immediately after starting and it achieves the same effects of traditional air conditioner with less power consumption.
- 6) Super luxurious appearance decorates your home. Indoor panel adopts aluminum alloy and wire drawing metal color board to make your house more sparkling.
- 7) Automatic open and close dustproof air outlet.
- 8) Easy installation
- 9) With strong adaptability, Chuanglan hybrid solar air-conditioner can run at super high and low temperature from -5 to 53C.

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Specification:

Model No.		TKF(R)-35DW	TKF(R)-60DW	TKF(R)-72D W	TKF(R)-100D W	TKF(R)-120D W	TKF(R)140 DW	
Power Supply: 220-240VAC, 1PH, 50Hz								
Performance								
Capacity	Cooling	Btu/h	12000	20000	24000	36000	41000	48000
		W	3500	6000	7200	10000	12000	14000
	Heating	Btu/h	13000	22000	27000	40000	46000	55000
		W	3800	6600	7900	12000	14000	16000
Noise	Indoor	dB(A)	≤43	≤50	≤50	≤53	≤53	≤56
	Outdoor	dB(A)	≤52	≤56	≤58	≤58	≤60	≤60
Air Circulation		m ³ /h	550	800	1250	1700	1800	1900
Suitable Area		m ²	15~23	25~42	30~48	42~67	50~80	58~93
EER	W/W		3.89	3.88	3.82	3.87	3.96	3.87
	Btu/h/w		13.27	13.24	13.03	13.2	13.51	13.2
Power Consumption								
Power Input	Cooling	W	800~1025	1350~1560	1700~1900	2400~2640	2900~3150	3500~3740
	Heating	W	800~1050+350	1350~1590+350 0	1700~1950+350 0	2470~2650+350	2900~3180+350 350	3500~3760+350 50
Rated Current	Cooling	A	3.64~4.66	6.14~7.09	7.73~8.64	10.91~11.95	13.18~14.32	15.91~17
	Heating	A	3.64~4.77+1.6	6.14~7.23+1.6	7.73~8.66+1.6	11.23~12.05+1.6 6	13.18~14.45 +1.6	15.91~17.09+1.6 1.6
Vacuum Tube	D*L*P		47*500*10	47*620*11	47*620*11	47*700*13	47*1200*13	47*1200*13
Dimensions								
Indoor Unit	Net	mm	905*673*243	905*673*243	1288*673*243	1672*673*243	1672*673*243 43	1672*673*243 3
	Shipping	mm	995*765*311	995*765*311	1375*765*311	1760*765*311	1760*765*311 11	1760*765*311 1
Outdoor Unit	Net	mm	790*260*540	850*300*755	940*300*755	950*355*835	950*355*12 55	950*360*125 5
	Shipping	mm	910*370*610	950*400*770	990*400*770	1140*460*910	1140*460*910 340	1140*460*13 40
Water Tank	Shipping	mm	910*400*330	980*400*370	980*400*370	1105*400*325	1120*400*4 00	1120*400*40 0
Vacuum Tube	Shipping	mm				765*280*205	1270*280*2 10	1270*280*21 0
Weight								
Indoor Unit	Net/Gro	kg	25/28	30/33	40/43	40/43	45/49	45/49
Outdoor Unit	Net/Gro	kg	38/40	50/52	55/58	73/76	95/100	97/102

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Solar Collector	Net/Gro	kg	13/15	16/17	16/17	18/21	23/26	23/26
Loading Qty	20ft	sets	51	42	37	28	20	20
	40HQ	sets	123	103	89	69	50	50

Model No.	TKF(R)-35DW	TKF(R)-60DW	TKF(R)-72DW	TKF(R)-100DW	TKF(R)-120DW	TKF(R)-140DW
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Power Supply: 220-240VAC, 1/3PH, 60Hz

Performance

Capacity	Cooling	Btu/h	12000	20000	24000	36000	41000	48000
		W	3500	6000	7200	10000	12000	14000
	Heating	Btu/h	13000	22000+1700	27000+1700	40000+1700	46000+1700	55000+1700
		W	3800	6600+500	7900+500	12000+500	14000+500	16000+500
Noise	Indoor	dB(A)	≤43	≤50	≤50	≤53	≤53	≤56
	Outdoor	dB(A)	≤52	≤56	≤58	≤58	≤60	≤60
Air Circulation	m³/h	550	800	1250	1700	1800	1900	
Suitable Area	m²	15~23	25~42	30~48	42~67	50~80	58~93	
EER	W/W	3.89	3.88	3.82	3.87	3.96	3.87	
	Btu/h/w	13.27	13.24	13.03	13.2	13.51	13.2	

Power Consumption

Power Input	Cooling	W	800~1025	1350~1560	1700~1900	2400~2640	2900~3150	3500~3740
	Heating	W	800~1050	1350~1590+500	1700~1950+500	2470~2650+500	2900~3180+500	3500~3760+500
Rated Current	Cooling	A	3.64~4.66	6.14~7.09	7.73~8.64	10.91~11.95	13.18~14.32	15.91~17
	Heating	A	3.64~4.77	6.14~7.23+2.2	7.73~8.66+2.2	11.23~12.05+2.2	13.18~14.45+2.2	15.91~17.09+2.2
Vacuum Tube	Diameter*Length *Pcs(mm)		47mm*620mm* 11	47mm*620mm* 11	47mm*620mm* 11	47mm*700mm* 13	47mm*1200 mm*13	47mm*1200m m*13

Dimensions

Indoor Unit	Net	mm	905*673*243	905*673*243	1288*673*243	1672*673*243	1672*673*243	1672*673*243
	Shipping	mm	995*765*311	995*765*311	1375*765*311	1760*765*311	1760*765*311	1760*765*311
Outdoor Unit	Net	mm	790*260*540	850*300*755	940*300*755	950*355*835	950*355*1255	950*360*1255
	Shipping	mm	910*370*610	950*400*770	990*400*770	1140*460*910	1140*460*1340	1140*460*1340

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Water Tank	Shipping	mm	910*400*330	980*400*370	980*400*370	1120*400*400	1120*400*400	1120*400*400
Vacuum Tube	Shipping	mm					1270*280*210	1270*280*210
Weight								
Indoor Unit	Net/Gross	kg	25/28	30/33	40/43	40/43	45/49	45/49
Outdoor Unit	Net/Gross	kg	38/40	50/52	55/58	73/76	95/100	97/102
Solar Collector	Net/Gross	kg	13/15	16/17	16/17	18/21	23/26	23/26
Loading Qty	in 20feet	sets	51	42	37	28	20	20
	40HQ	sets	123	103	89	69	50	50

REMARKS:

- 1) Aboved **Red Numbers** means the electrical heater is on.
- 2) Parameters in the form are measured in the rated working state according to GB/T7725-2004. Changes may appear according to real working state.
- 3) Parameters may change due to the product improvement, please refer to the products nameplate.