

SKYWORTH

Lead the future

RESIDENTIAL AIR CONDITIONER

REVITALIZE YOUR AIR WITH

Vitamin C

BIO Fresh



Image for illustrative purposes only.

About SKYWORTH Group

A Chinese multinational corporation established in 1988 in Shenzhen. SKYWORTH design, manufacture and sell televisions, smart electrical appliances, and home appliances. SKYWORTH Group has been among the top 100 Chinese electronics companies and listed in Fortune China 500 for years.

Skyworth Air Conditioning Technology (Anhui) Co. Ltd. is a wholly-owned subsidiary of Skyworth Group, established in 2014. We are a professional environmental protection intelligent air conditioner manufacturing enterprise integrating R&D, production, and sales, covering commercial, residential, air source, new energy vehicle air conditioners, and subdivided air conditioner products. In November 2020, Skyworth Air Conditioning (Chuzhou) Industrial Park started operation covering an area of 400,000 m².

Skyworth air conditioner adheres to independent research and development, and is one of the few enterprises in China with independent intellectual property rights to control the core technology of frequency conversion air conditioner. Its products have won a number of international performance and safety certifications, and have successively won a number of honors such as North American Environmental Protection Product Award, China Good Design Award, Eplano Design Award and so on.

SKYWORTH is committed to develop friendly usage, safety priority, and efficient products to create consistently great customer experience.

SKYWORTH

AWARDS RECOGNITION

EXCELLENCE QUALITY • MODERN DESIGN • INNOVATIVE TECHNOLOGY



2022
China Air Conditioning Industry
Low Carbon Certification Certificate



2023
Product Dual Safety Standard
Certification Certificate



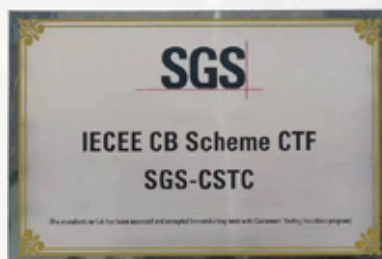
2016
China Science and Technology
Progress Award



2021
Awe Excellent Product
Award



2016
High-tech Enterprise
Certificate



SGS
IECEE Scheme CTF
SGS-CSTC



2021
Member Unit Of
The Dual Carbon Work Leading Group
In The Air Conditioning Industry

Vitamin C Filter

Vitamin C filter is using VC emission material, which can bring Vitamin C to the air, soften the skin and reduce your pressure, like a spa of air.

BIO Filter

BIO filter has a high photo catalyzing power, which can absorb and deactivate unpleasant odors, virus, formaldehyde and other chemical vapors. The Nano-meter catalyst can restore the deodorizing function by only exposing to the sunlight.



Golden Hydrophilic Fin

Golden Fin prevents the rusting of the coils thereby increasing the lifespan of the coils besides enhancing the performance of the air conditioner.

Special type of coating applied to the fins of the indoor unit of an air conditioner.

1. Corrosion Resistance

Helps protect the fins of the indoor unit from corrosion caused by exposure to moisture, salt, and other environmental factors.

2. Extended Lifespan

By preventing corrosion, golden fin contributes to the longevity of the air conditioner. It helps maintain the efficiency of the heat exchange process over time.

3. Improved Heat Exchange

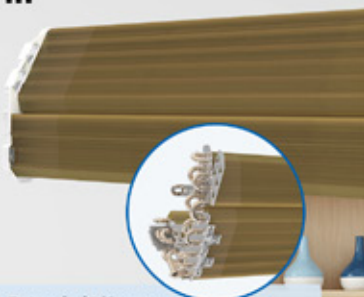
The hydrophilic nature of the golden fin coating allows water (such as condensate) to spread and drain more easily. This helps improving the heat exchange efficiency, ensuring that the air conditioner operates at optimal performance.

4. Reduced Maintenance

The corrosion-resistant properties of golden fin can result in reduced maintenance requirements for the indoor unit. This can lead to cost savings and less frequent servicing needs.

5. Enhanced Performance in Humid Conditions

Helps prevent water from clinging to the fins, reducing the risk of mold and bacterial growth.



Sleep Mode

In sleep mode, the setting temperature increases (cooling) 1 Y or decreases (heating) 2 Y per hour automatically in first two hours after setting sleep mode, which helps to achieve the most comfortable temperature for user and save energy as well.

Turbo

Turbo function can cool down or warm up the room to the setting temperature in a shortest time.

Strong Dehumidification

It is usually used in rainy days or damp area. By operating dehumidifying mode, the room can achieve comfortable humidity level for the user without reducing room temperature.

Anti-cold Air Function

When starting the heating function, the indoor fan starts only when the pipe temperature is high enough, so as to avoid the uncomfortable cold air blowing to the user.

Low Noise Air Flow System Large Diameter Cross Fan

Without decreasing the flow volume, the large diameter cross fan can reduce indoor unit's noise greatly.

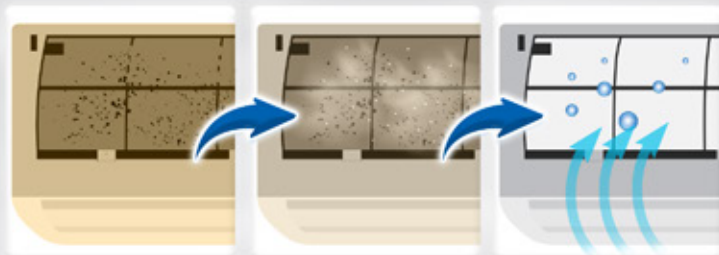


Auto Clean

One of the main causes of odors emitting from an air conditioner is the mould and bacteria breeding on the evaporator.

Auto Clean function can clean the evaporator automatically and reduce the possibility of mold and bacteria breeding inside the air conditioner.

On the other hand, cleaning evaporator helps the air conditioner keep working efficiently and save energy.



Easy Wiring Connection

The integrated terminal board contributes to a quick and simple cable connecting the indoor and outdoor units.

LED Display

It helps the user monitor and operate the unit clearly and easily.

Auto Restart

In case of power off, the microcomputer chip will memorize the running mode, and air cond can restart with previous running mode automatically when power resumes.

Self Diagnosis & Auto-protection Function

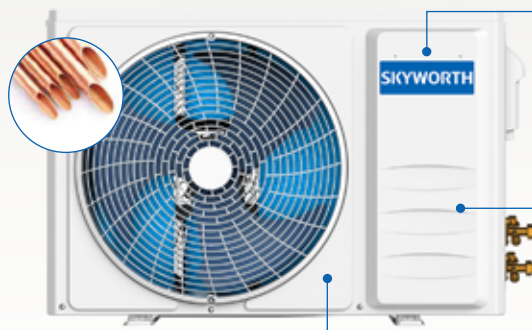
With self-diagnosis function, errors will be detected by microcomputer chips and displayed by LED on the indoor unit. Protection will then be automatically taken.

R32 Eco Friendly Refrigerant



Inner Grooved Copper tube

Superior inner-grooved copper tube makes refrigerant flow much faster in the copper tube, and enhance heat exchange efficiency up to 30%-50% compared with the traditional smooth copper tube.



High Efficiency Heat Exchanger

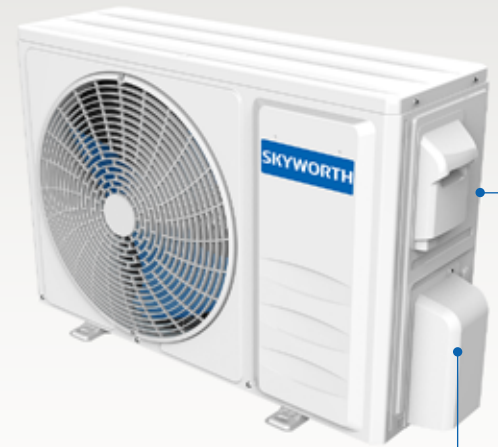
Combined with hydrophilic blue fins and inner grooved copper tubes, the heat exchanger is high efficient and high reliable.

High Quality PCB

Designed & manufactured by Skyworth, the PCB is well protected to ensure the performance and long service life.

High Performance Compressor

New designed compressor highly reduces the energy consuming & noise during operation with high reliability and long service life.



Valve Protection Cover

protects the valves and prevents waters



Anti-Rust Outdoor Casing

made from electrolytic zinc steel sheet helps enhance the durability & overall performance of the components.

PRODUCT SPECIFICATIONS

Model		SMFC09V-2B1A3NBAB	SMFC12V-3B1A3NBAB	SMFC18V-5B1A3NBAB	SMFC24V-6B1A3NBAB	
Power Supply	Performance	-	1.0HP	1.5HP	2.0HP	2.5HP
	Cooling Capacity	btu/h	9,000	12,000	18,000	24,000
		W	2,638	3,517	5,275	7,035
	Power Input	W	750	1,020	1,570	2,410
	Cooling Rated Current	A	3.3	4.4	6.8	10.5
	Max. Input Consumption	W	1,090	1,350	2,100	2,900
Max. Current	A	5.8	7.5	10.0	15.0	
Indoor Unit	Air Flow (High / Low)	m3/h	500/290	650/400	800/550	1250/900
	Moisture Removal	l/h	0.8	1.1	1.8	2.3
	Aluminium Fin	-	Golden Hydrophilic Fin	Golden Hydrophilic Fin	Golden Hydrophilic Fin	Golden Hydrophilic Fin
	Noise Level (High / Low)	dB	39/33	42/36	49/41	52/43
	Unit Net Dimension (W*H*D)	mm	780 × 275 × 190	810 × 295 × 205	910 × 295 × 205	1075 × 330 × 240
	Unit Gross Dimension (W x H x D)	mm	847 × 322 × 241	875 × 345 × 255	975 × 345 × 255	1146 × 412 × 318
	Net Weight	kg	7.5	8.5	11	15
	Gross Weight	kg	10.5	12	13	18
Outdoor Unit	Aluminium Fin		Blue Hydrophilic Fin	Blue Hydrophilic Fin	Blue Hydrophilic Fin	Blue Hydrophilic Fin
	Noise Level	dB	50	52	55	57
	Unit Net Dimension (W*H*D)	mm	670 × 295 × 495	780 × 295 × 495	850 × 350 × 600	850 × 350 × 600
	Unit Gross Dimension (W x H x D)	mm	704 × 324 × 530	818 × 328 × 530	896 × 387 × 625	896 × 387 × 625
	Net Weight	kg	21	25	37	37
	Gross Weight	kg	24	29	41	41
	Refrigerant Type		R32	R32	R32	R32
	Refrigerant Charge	g	420	400	660	780
Operation Ambient Temperature Range		16°C- 43°C	16°C- 43°C	16°C- 43°C	16°C- 43°C	
Refrigerant Pipe	Diameter (Liquid Side)	mm	Φ6	Φ6	Φ6	Φ6
	Diameter (Gas Side)	mm	Φ9	Φ9	Φ12	Φ12
	Max. Pipe Length	m	10	10	10	10
General Features	Vitamin C Filter		Yes	Yes	Yes	Yes
	Bio Filter		Yes	Yes	Yes	Yes
	Auto Clean		Yes	Yes	Yes	Yes
	Sleep Mode		Yes	Yes	Yes	Yes
	Turbo Mode		Yes	Yes	Yes	Yes
	Strong Dehumidification		Yes	Yes	Yes	Yes
	Anti Cold Air Function		Yes	Yes	Yes	Yes
	Large Diameter Cross Fan		Yes	Yes	Yes	Yes
	Auto Restart		Yes	Yes	Yes	Yes
	Self Diagnosis & Auto Protection Function		Yes	Yes	Yes	Yes
	Anti Rust Outdoor Casing		Yes	Yes	Yes	Yes
	Valve Protection Cover		Yes	Yes	Yes	Yes
	Inner Grooved Copper Tube		Yes	Yes	Yes	Yes

***3 YEARS GENERAL WARRANTY**

5 YEARS COMPRESSOR

2 years general warranty + additional 1 year
upon online warranty registration before 31st March 2025

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