GREE Soyal





Intelligent eye

Heat source sensing system with high-quality sensor in the industry. The sensor has a built-in 8×8 matrix 64-pixel high definition infrared probe, which provides a mechanical rotation angle of 180° in detection period and an effective viewing angle of 120°. High-precision detection enables precise control of the air conditioner.

Gree innovative heat source sensing air supply technology

Air supply follows people: In this mode, the air conditioner can automatically sense your position and adjust the swing angle. The air supply will follow people for rapid cooling.



Air supply follows people

In this mode, the air conditioner will automatically sense your position and adjust the airflow direction accordingly.



Air supply avoids people

In this mode, the air conditioner will automatically sense your position and adjust the airflow direction accordingly so as to avoid it from blowing directly to people.



Surrounded air supply

In this mode, the air conditioner swings automatically from left to right. When the air swings over the human body, it automatically accelerates to swing in an instant, and then slows down the speed, just like surrounded by the natural breeze.



Energy-saving operation when when nobody in the room

Soyal's unique "unmanned energy saving" function* will automatically switch the unit to a low-frequency operation state to achieve energy saving when it detects that there is no one in the room.

Features: Standard Optional

3D Airflow	LED Display	LCD Display	7 Fan Speeds	Quiet Design	24-hour Timer	Child Lock	Dry Mode
Cold plasma Air Purification Technology	Turbo	Filter Cleaning Reminder	Three Sleep Modes	Auto	I-Feel	Intelligent Auto-Restart	X-Fan
Self-cleaning	Auto Restart	Wide Voltage Range	Low Voltage Startup	Self-Diagnosis	Fire-proof Electric Box	Refrigerant Shortage Protection	3DC Inverter
Soft Start	Anti-cold	Efficient Bluetooth Distribution Network	Multi-functional Filters	Anti-corrosion	Anti-Corrosion Protection of Outdoor Unit		

5 YEARS WARRANTY

GREE



TECHNICAL SPECIFICATIONS

			SOYAL12	SOYAL18
COOLING CAPACITY (MIN - NOM - MAX)		kW	0.22 - 3.53 - 4.60	1.5 - 5.30 - 6.10
COOLING CAPACITY (MAX)		BTU/h	15695	20813
HEATING CAPACITY (MIN - NOM - MAX)		kW	0.8 - 4.20 - 5.20	1.3 - 5.60 - 7.00
HEATING CAPACITY (MAX)		BTU/h	17742	23884
PDESIGNC		kW	3.5	5.3
EER/COP		W/W	4.4/4.5	3.8/4
SEER/SCOP		–	9/5.1	7.2/4.3
ENERGY CLASS			A+++/A+++	A++/A+++
AIR FLOW VOLUME (SS, H, MH, M, ML, L, SL)		m^3/h	800/700/550/500/400/300/270	800/700/550/500/450/350/300
DEHUMIDIFICATION		L/h	1.4	1.8
POWER SUPPLY		V/Ph/Hz	220-240/50/1	220-240/50/1
POWER INPUT	COOLING	W	802	1395
	HEATING	W	934	1400
CURRENT INPUT	COOLING	A	3.9	7
	HEATING	A	4.5	6.5
RATED CURRENT	COOLING	A	6.8	11.5
MAX. DISTANCE	LENGTH	m	10	10
	HEIGHT	m	15	25
OUTDOOR UNIT			**GWH12AKCXD-K6DNA1A/O**	**GWH18AKCXF-K6DNA1A/O**
NET DIMENSIONS(W x H x D)		mm	802x555x350	956x660x402
NET/GROSS WEIGHT		Kg	32/34.5	43/47.5
SOUND PRESSURE LEVEL/SOUND POWER LEVEL		dB(A)	54/65	59/65
ADDITIONAL GAS CHARGE		g/m	16	16
REFRIGERANT TYPE			R32	R32
REFRIGERANT CHARGE		kg	1	1.2
LIQUID PIPE DIAMETER/GAS PIPE DIAMETER		mm	φ6/φ9.52	φ6/φ12
MAX. PIPE LENGTH WITHOUT ADDITIONAL CHARGE		m	5	5
OPERATION RANGE FOR COOLING/HEATING		℃	-15~48 / -25~ 24	-15~ 48 / -25~24
INDOOR UNIT			**GWH12AKCXD-K6DNA1A/I**	**GWH18AKCXF-K6DNA1A/I**
REFRIGERANT TYPE			R32	R32
NET DIMENSIONS(W x H x D)		mm	977x281x295	977x281x295
NET/GROSS WEIGHT		Kg	17/21.5	17/21.5
SOUND PRESSURE LEVEL (SS/H/MH/M/ML/L/SL)		dB(A)	44/39/36/33/28/22/20	47/42/39/35/31/26/25
SOUND POWER LEVEL (SS/H/MH/M/ML/L/SL)		dB(A)	60/54/51/48/43/37/35	60/55/52/48/44/39/38

*Gree reserves the right to modify the specifications without prior notice, please confirm the final specifications with sales representatives.

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