

A+++

KAISAI

Built-in compressor and  
condensate tray heaters

GEO



BIO HEPA  
FILTER



COLD CATALYST  
FILTER



AIR  
IONIZATION

## Highest energy efficiency class

The perfect combination of modern design and top energy efficiency class A+++ in cooling mode and A++ in heating mode.



WIFI MODULE  
AS STANDARD



ECO-FREINDLY  
REFRIGERANT R32



MULTIFUNCTIONAL  
REMOTE CONTROL



WIDE TEMPERATURE  
RANGE



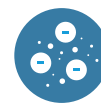
## COLD CATALYST FILTER

Using specialized filtration, the air conditioner not only cools and heats, but also effectively purifies the air. The cold-CATALYST filter removes chemicals such as carbon monoxide, hydrogen sulfide, ammonia, benzene and formaldehyde.



## BIO HEPA FILTER

The air purification function is supported by a Bio HEPA filter that effectively traps 99% of dust particles, dust, and bacteria with a size of 0,3 µm and up to 95% of particles from 0,1 to 0,3 µm, including fungal cells and some viruses.



## AIR IONIZATION

The ions emitted by the air conditioner break down dust mite particles, mold, bacteria and viruses, eliminating them from the environment. An additional effect of the air conditioner is moistening the air, which has a positive impact on the skin and gives a pleasant feeling of freshness in the air-conditioned room.

## TECHNICAL SPECIFICATION - KAISAI GEO

MODEL	indoor unit		KGE-09GRHI	KGE-12GRHI	KGE-18GRHI	KGE-24GRHI
	outdoor unit		KGE-09GRHO	KGE-12GRHO	KGE-18GRHO	KGE-24GRHO
Capacity average (min÷max)	cooling	kW	2,6(1,0÷3,2)	3,5(1,4÷4,3)	5,3(3,4÷5,9)	7,0(2,1÷8,2)
	heating	kW	2,9(0,8÷3,4)	3,8(1,1÷4,4)	5,6(3,1÷5,8)	7,3(1,5÷8,5)
Energy class	cool./heat.		A+++/A++	A+++/A++	A++/A+	A++/A+
SEER	average	W/W	9,3	8,5	7,0	6,5
SCOP	average	W/W	4,6	4,6	4,0	4,0
Average power consumption (min÷max)	cooling	W	613(90÷1140)	977(130÷1650)	1550(560÷2050)	2510(420÷3200)
	heating	W	637(110÷1080)	977(160÷1560)	1500(780÷2000)	2130(300÷3100)
Average operating current (min÷max)	cooling	A	2,66(0,4÷4,7)	4,2(0,6÷7,2)	6,7(2,4÷9,0)	10,9(1,8÷13,9)
	heating	A	2,77(0,48÷4,7)	4,2(0,7÷6,8)	6,5(3,4÷8,7)	9,3(1,3÷13,5)
Air flow rate	indoor	m³/h	483/362/303	584/477/395	730/500/420	1020/830/640
	outdoor	m³/h	2150	2100	2200	3500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-25÷24	-15÷50/-25÷24	-15÷50/-25÷24	-15÷50/-25÷24
Sound pressure level	indoor	dB(A)	36,5/29,0/24,0	39,5/33/25	43/33,5/28	47/41,5/30,5
	outdoor	dB(A)	54	54,5	55,5	60,5
Net dimensions w/h/d	indoor	mm	802/297/189	802/297/189	965/319/215	1080/335/226
	outdoor	mm	765/555/303	765/555/303	805/554/330	890/673/342
Transport dimensions w/h/d	indoor	mm	875/380/285	875/380/285	1045/410/305	1155/415/320
	outdoor	mm	887/610/337	887/610/337	915/615/370	995/740/398
Net weight	indoor	kg	8,6	8,6	10,9	13,7
	outdoor	kg	26,7	26,7	33,5	43,9
Transport weight	indoor	kg	11,1	11,1	14,2	17,3
	outdoor	kg	29,1	29,1	36,1	46,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/9,52	6,35/12,7	9,52/15,9
Maximum installation length		m	25	25	30	30
Maximum height difference		m	10	10	20	20
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	10	10	16	20
Power supply lines	outdoor	of wires	3x1,5	3x1,5	3x1,5	3x2,5
Control lines	ind. - outd.	x mm²	5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 mb	kg	0,62	0,62	1,1	1,45
Additional amount of refrigerant	over 5 mb	g/m	12	12	12	24

## THE SET INCLUDES



Indoor unit  
**KGE**



Outdoor unit  
**KGE**



Wireless remote control  
**RG10B1**



## WiFi AS STANDARD

Thanks to the WiFi module, the air conditioner can be controlled by phone or tablet. It is possible to control the parameters of the device 24 hours a day from anywhere in the world



## COMPRESSOR AND CONDENSATE TRAY HEATERS

The compressor crankcase heater prevents refrigerant absorption by the oil that may occur when the temperature drops. The drip tray heater supports the air conditioner's operation in the heating mode by preventing the drip tray from fouling, thus improving its efficiency and minimizing the risk of fan failure.



## MULTIFUNCTIONAL REMOTE CONTROL

Using the remote control, you can easily set the appropriate air parameters in the room. Additionally, the remote control is equipped with practical Functions such as: self-cleaning evaporator (SELF CLEAN), constant heating 8 °C (HEATING 8 °C), temperature sensor (FOLLOW ME).



## WIDE TEMPERATURE RANGE

By using modern technology and the new refrigerant R32, the air conditioner can operate in a wide range of outdoor temperatures: from -15 to +50°C in cooling mode and from -25 to +30°C in heating mode.



## 3D AIR FLOW

The automatically controlled horizontal and vertical louvers of the air conditioner ensure optimum air circulation and an even temperature distribution in the room