

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-12GRHI    | KGE-18GRHI     |
|--------------------------------|------------------|--------------|---------------|----------------|
|                                | outdoor unit     |              | KGE-12GRHO    | KGE-18GRHO     |
| Average output, (min÷max)      | cooling          | kW           | 3,5(1,4÷4,3)  | 5,3(3,4÷5,9)   |
|                                | heating          | kW           | 3,8(1,1÷4,4)  | 5,6(3,1÷5,8)   |
| Energy class                   | cool./heat       |              | A+++/A++      | A++/A+         |
| SEER                           | medium           | W/W          | 8,5           | 7,0            |
| SCOP                           | medium           | W/W          | 4,6           | 4,0            |
| Aver.power consump. (min÷max)  | cooling          | W            | 977(130÷1650) | 1550(560÷2050) |
|                                | heating          | W            | 977(160÷1560) | 1500(780÷2000) |
| Aver.working current (min÷max) | cooling          | A            | 4,2(0,6÷7,2)  | 6,7(2,4÷9,0)   |
|                                | heating          | A            | 4,2(0,7÷6,8)  | 6,5(3,4÷8,7)   |
| Air flow                       | indoor           | m³/h         | 584/477/395   | 730/500/420    |
|                                | outdoor          | m³/h         | 2100          | 2200           |
| Working temp. cooling/heating* | indoor           | °C           | 17÷32/0÷30    | 17÷32/0÷30     |
|                                | outdoor          | °C           | -15÷50/-25÷24 | -15÷50/-25÷24  |
| Sound pressure Lvl             | indoor           | dB(A)        | 39,5/33/25/21 | 43/33,5/28/23  |
|                                | outdoor          | dB(A)        | 54,5          | 55,5           |
| Net dimensions s/w/g           | indoor           | mm           | 802/297/189   | 965/319/215    |
|                                | outdoor          | mm           | 765/555/303   | 805/554/330    |
| Transport dimensions s/w/g     | indoor           | mm           | 875/380/285   | 1045/410/305   |
|                                | outdoor          | mm           | 887/610/337   | 915/615/370    |
| Net weight                     | indoor           | kg           | 8,6           | 10,9           |
|                                | outdoor          | kg           | 26,7          | 33,5           |
| Transport weight               | indoor           | kg           | 11,1          | 14,2           |
|                                | outdoor          | kg           | 29,1          | 36,1           |
| Pipe dia. fluid/gas            |                  | mm           | 6,35/9,52     | 6,35/12,7      |
| Max. installation length       |                  | m            | 25            | 30             |
| Max. level difference          |                  | m            | 10            | 20             |
| Power supply                   | outdoor          | V/Hz/Ph      | 220÷240/50/1  | 220÷240/50/1   |
| Protection                     | outdoor          | A            | 10            | 16             |
| Power cables                   | outdoor          | No. of wires | 3x1,5         | 3x1,5          |
| Control wires                  | indoor - outdoor | x mm²        | 5x1,5         | 5x1,5          |
| Factory refrig. charge         | up to 5 LM       | kg           | 0,62          | 1,1            |
| Addit. refrig. charge          | over 5 LM        | g/m          | 12            | 12             |

## 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