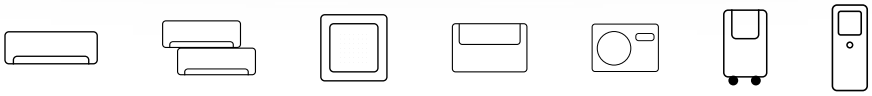
KAISAI

CATALOGUE

AIR CONDITIONING SYSTEMS

2025



AVAILABLE FROM **21.07.2025**

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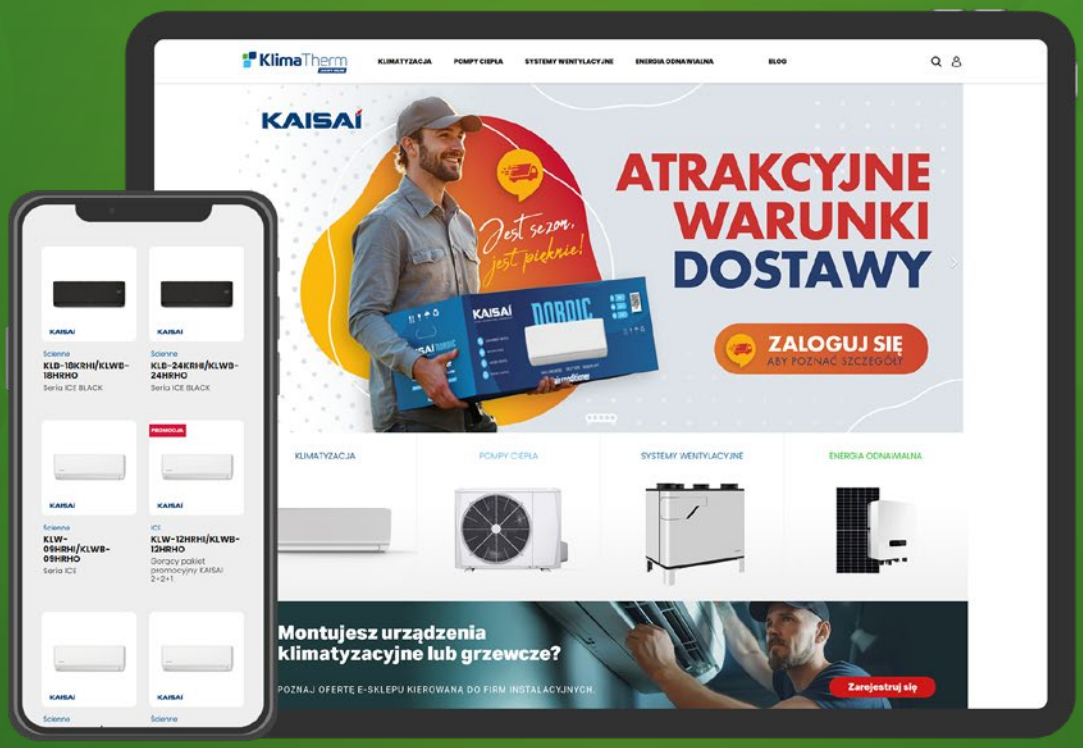
shop.klima-therm.com



CLEAR INTERFACE

TECHNICAL DATA AND DOCUMENTATION

EXPRESS DELIVERY

SUPPORT FOR INSTALLERS

Visit our online store and discover a wide range of **air conditionersand heat pumps** available for immediate delivery!

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KAISAI
WE CARE ABOUT AIR

WE CARE ABOUT AIR

We feel responsible for both people and the environment. We take care of air quality and comfort – in the office, at home and in all the rooms where we work and stay every day.

As much as we care about the air, we care about our business environment both near and far. Following the idea of sustainable development, we have set ourselves priorities based on a pro-environmental approach to business, partnership with the client and care for human resources.

SOLUTIONS
TAILORED TO YOUR NEEDS

GET TO KNOW THE RANGE OF PRODUCTS FROM KAISAI

KAISAI.COM

WALL-MOUNTED AIR CONDITIONERS

MULTI SPLIT SYSTEMS

CASSETTE AIR CONDITIONERS

KAISAI

AIR CONDITIONING • VENTILATION • HEATING • PHOTOVOLTAICS

When you choose Kaisai appliances, you get a high-quality, environmentally friendly product designed for user comfort, yet offered at a reasonable price.

The Kaisai brand debuted on the Polish market in 2011 and since then it has recorded sales growth every year in Poland and in foreign markets. The latest technological solutions make Kaisai appliances leaders in their class, meeting high expectations in terms of environmental care, energy savings, quiet operation, safety, user comfort and manufacturer's warranty. Through many years of investment in technology, KAISAI equipment is considered to be some of the most innovative air conditioning solutions for public and residential buildings.

OVER
600
AUTHORISED SERVICE POINTS IN POLAND

OVER
750000
UNITS SOLD IN POLAND

30
TYPES OF PRODUCTS

FLOOR AND CEILING AIR CONDITIONERS

FLOOR AIR CONDITIONERS

CONDENSING UNITS

PORTABLE AIR CONDITIONERS

THINK GLOBALLY
WORK LOCALLY

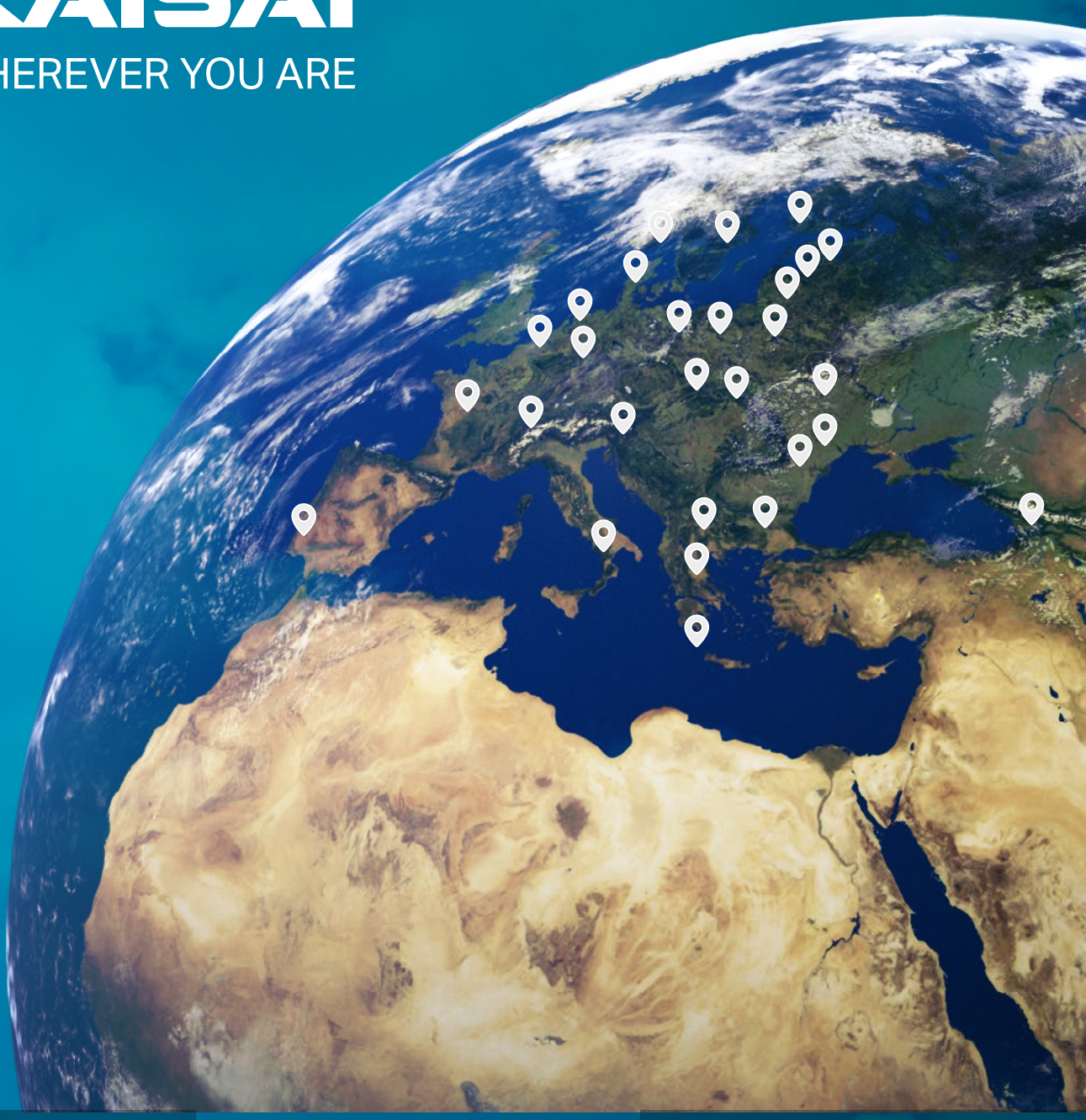
As part of the Kaisai International Corporation business platform, following the principle **Think globally – work locally,** the Kaisai brand is present in the following countries:

- Austria
- Belgium
- Belarus
- Bulgaria
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Greece
- Georgia
- The Netherlands
- Luxembourg
- Lithuania
- Latvia
- North Macedonia
- Malta
- Moldova
- Germany
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Switzerland
- Sweden
- Ukraine
- Hungary
- Italy

Kaisai's portfolio includes RAC segment equipment (including wall-mounted air conditioners with Wi-Fi as a standard) and LCAC segment equipment (including Multi Split, ceiling cassette, duct and floor/ceiling air conditioners), as well as portable air conditioners, heat pumps, heat recovery units and air curtains.

KAISAI

WHEREVER YOU ARE



33
COUNTRIES

OVER
1000
OUTLETS

OVER
950000
UNITS SOLD WORLDWIDE

Academy of
KLIMA-THERM GROUP

The Academy of Klima-Therm Group offers training at the highest level, carried out on modern facilities, with the support of an experienced team of trainers – experts in the air conditioning industry.

Academy of Klima-Therm Group is an innovative educational and research project, whose main goal is to constantly raise the knowledge of the industry environment in the field of current trends in air conditioning and ventilation, and the latest product solutions, technology and design. Thanks to the activities of the Academy, customers can be sure of the expertise of our installers: it is a guarantee of the safety and failure-free operation of our equipment.

Kaisai is committed to the highest quality of its products and installations. By being a part of Klima-Therm Group, Kaisai Authorised Service Partners benefit from training opportunities offered by the Academy. The trained installers not only receive theoretical knowledge, but can also acquire practical skills under the guidance of qualified trainers. The Academy has 3 training centres serving clients from all over Poland: in Gdańsk, Warsaw and Katowice.

CE ISO 9001:2000 A++ (EU)626/2011 A+ (EU)626/2011 ATEST PZH

Kaisai products meet stringent requirements related to safety of use, health protection and environmental protection, and as a result have obtained various designations and certifications. The refrigerants used are approved by the National Institute of Public Health.

Develop
WITH KLIMA-THERM ACADEMY

PRODUCT TRAINING

AUTHORISATION TRAINING

TECHNICAL TRAINING

EQUIPMENT TESTS


KAISAI

User guide

With the wide range of air conditioning systems on offer today, it is important to consider which units will be suitable for a particular facility before making a purchase.

Different types of air conditioners will be suitable for cooling and heating purposes in a house, while completely different types will be suitable for an office building or shopping mall. The correct choice of air conditioner type and performance is a prerequisite for satisfaction. It is best to entrust the selection of equipment in terms of efficiency to specialists with the relevant knowledge and experience.

How to choose
KAISAI AIR CONDITIONING?

The correct choice of an air conditioner's capacity for an apartment is the basis for efficient air conditioning at home or in the workplace. A unit with not enough power will not cool the room air to the required temperature. And equipment with more power than needed is more expensive to buy and operate. So how do I choose an air conditioner for my existing conditions?

From March to September, days are longer and temperatures are higher. Especially between June and August, there are periods of several weeks of hot weather, which can cause discomfort when staying indoors. It's worth thinking about this beforehand, ensuring the ideal, comfortable air temperature regardless of the time of year or day.

USE UP TO
4 TIMES **LESS ELECTRICITY**

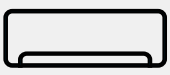
Air conditioning was previously associated mainly with office space. It is now within the financial reach of individual users. Additionally, thanks to the heating function available in modern units, air conditioners can also serve as an additional source of heat during colder periods. Air conditioning is an efficient and economical alternative to fans and electric heaters – it uses up to 4 times less electricity.

EFFICIENCY

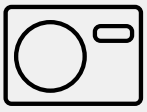
HEALTH

SAFETY

EACH SPLIT AIR CONDITIONER CONSISTS OF **TWO COMPONENTS:**



indoor unit



outdoor unit

The former one is installed inside and the latter – outside of the building.

COMFORT AND **HEALTH**

Air conditioning is available to everyone. It allows you to freely control the temperature in your home, flat, office or small retail outlet; it replaces or complements central heating. But the advantages of installing air conditioning do not end there. Installing it proves to be an excellent way to ensure the health of all users.

Modern air conditioners eliminate bacteria and fungi from the air, preventing the diseases they cause, and special filters improve overall air quality. Air conditioning is also a good solution for maintaining the correct air parameters when the outside air is heavily polluted, e.g. with smog.

COST OF OPERATION

In principle, domestic air conditioning differs in power consumption from industrial air conditioning, which is more demanding in this respect. The 2.6 kW unit uses less than 1 kW of electricity per hour of operation, which translates to a cost of around 50 groszys.* There are a number of general recommendations and indicators that allow the user to initially determine the required power of the appliance himself. The most important parameter is the cubic capacity of the air-conditioned room. It is assumed that for standard rooms with a height of approximately 3 m, a cooling power of 40 W/m3, i.e. 120 W per m^2 area is required. This means that for a room of 21 m^2 even the smallest air conditioner with an output of 2.6 kW may be sufficient.

* example cost, calculated for Warsaw (Poland), for a private user.

HOW DOES AN **AIR CONDITIONER** WORK?

The principle of the air conditioner's operation is based on the physical properties of the refrigerant, which in the case of Kaisai units is the environmentally friendly R32 refrigerant. Depending on the operating mode of the air conditioner, the refrigerant condenses or evaporates in the indoor unit – giving up or drawing heat from the environment, respectively. In this way, the air in the room is heated or cooled and, thanks to a system of filters, also purified.

The unit does not blow additional air from the outside, but only cools the inside. This makes it possible to care for the health of users, especially during periods of smog.

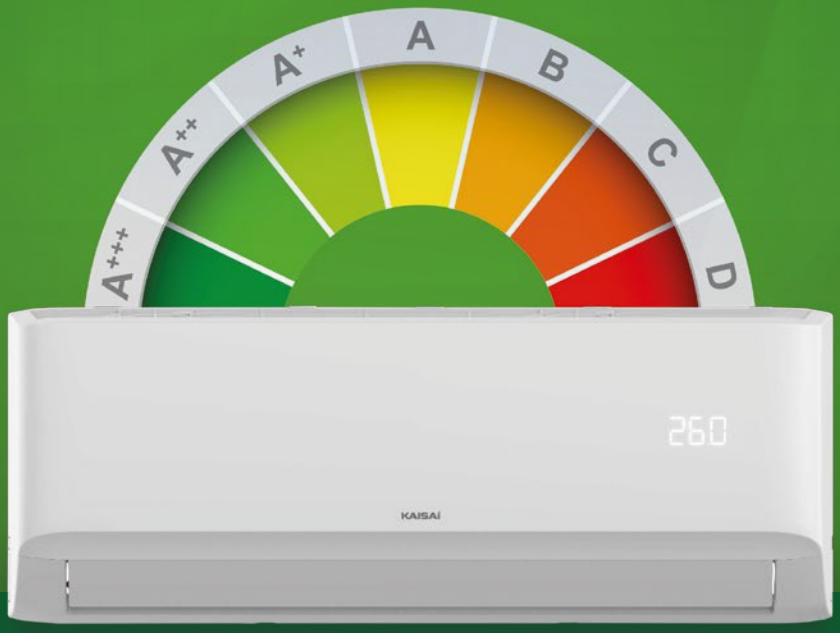
High energy class

A+++

SAVE MONEY ALL YEAR LONG

The more economical the appliance is, the higher its energy class. When buying an air conditioner, it is therefore worth paying attention to ensure that the energy class of the air conditioner is at least A-rated.

When the air conditioner is running, remember to close the windows in the air-conditioned room, thus contributing to savings in energy bills. Do not set the room temperature too low on the remote control, as such a setting can result in increased running costs, among other things.



WHAT IS **GWP?**

Global warming potential. Is a figure expressing the potential impact that a refrigerant could have on global warming if released into the atmosphere. It is a relative value comparing the impact of 1 kg of refrigerant with the impact of 1 kg of CO2 over a period of 100 years.

WHAT IS **ODP?**

Ozone Depletion Potential is an indicator, which refers to the harmful effects that chemicals cause to the ozone layer.This is a value comparing the impact of a given refrigerant with the equivalent mass of Freon R11. ODP for Freon R11 is defined as 1, while a modern refrigerant R32 has a potential defined as 0.

Environmentally friendly R32 refrigerant

THROUGHOUT THE KAISAI RANGE

Attention to environmental protection and energy efficiency of the equipment are among the basic principles of the Kaisai brand. The entire range of Kaisai air conditioners now uses the latest environmentally friendly refrigerant R32.

It is more efficient than previously used, so the air conditioning system requires less of it, and has a much better environmental impact factor. It is a modern solution taking into account both environmental needs and economy of use.

ENVIRONMENTALLY FRIENDLY

R32 has one of the lowest GWP values available on the market – 675, it also does not cause damage to the ozone layer thanks to the ODP value equal to 0.

ECONOMICAL

Compared to R410A, R32 is more energy-efficient, that is why less refrigerant is required by the cooling system and equipment efficiency is increased by up to 10%.

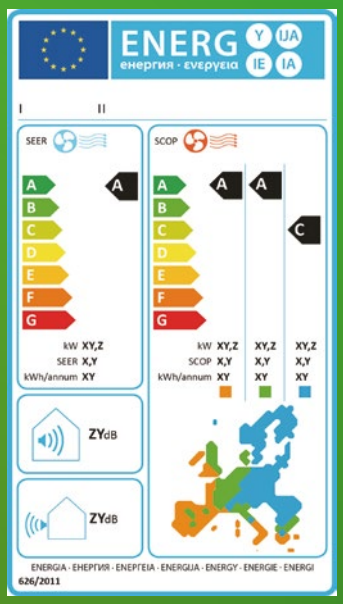
SAFE

R32 has low toxicity and is almost non-flammable – it does not pose a threat to life and health even in case of system leaks.

Energy efficiency

CLASS OF KAISAI APPLIANCES

	SEER (Cooling mode)	SCOP (Heating mode)
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80
E	3.10 ≤ SEER < 3.60	2.20 ≤ SCOP < 2.50
F	2.60 ≤ SEER < 3.10	1.90 ≤ SCOP < 2.20
G	SEER < 2.60	SCOP < 1.90



CURRENT ENERGY LABEL

Applicable from 1 January 2013 Air conditioners up to 12 kW

Energy labels are placed on every domestic electrical appliance sold in the European Union. This is regulated by a special EU Directive 2010/30/EU. Labels inform the user about the quality of the product, taking into account, in particular, its energy efficiency. Before purchasing, the label allows everyone to compare which device will be the cheapest in terms of operation. The energy efficiency rating, also known as energy class, is indicated by letters: for air conditioners a scale from G (lowest) to A++ (highest) has been established.

We also use seasonal energy efficiency factors to evaluate energy savings: SEER for cooling and SCOP for heating. These ratios determine the ratio between the cooling/heating power achieved by the air conditioner and the electrical power drawn by the unit from the mains for an entire season. Units with SEER=6 and SCOP=4 (A++ class) can generate 6 kW of cooling energy or 4 kW of heating energy from one kW of electricity on average per season and can be up to 4 times cheaper to run than electric fans and heaters.

10-grade energy efficiency scale (from A+++ to G)

Power consumption efficiency for cooling and heating

Performance rating based on a multi-feature calculation, corresponding to the actual power consumption of the unit during operation

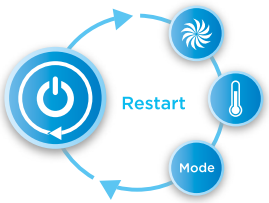
Sound power level

Data for 3 seasons (temperate – required, warm and cool – optional)

Modern functions of units

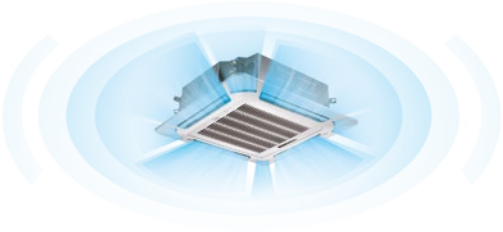
TECHNOLOGY FOR YOU

Advanced features of Kaisai appliances ensure high comfort, convenience and safety of use as well as economic and efficient operation. Using modern purification functions means you always have clean air in your home – free of viruses, allergens and smog.



AUTOMATIC **RESTART**

For units equipped with the auto restart function, when power is interrupted the air conditioner remembers the last settings and automatically resets them when power is restored.



360° AIR SUPPLY

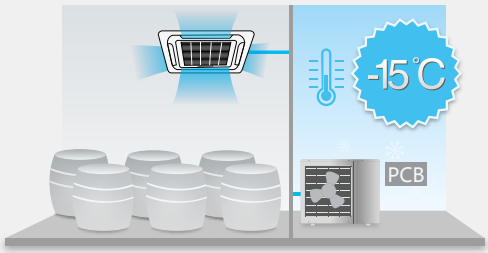
The cassette air conditioners are equipped with additional supply slots in the panel. Thanks to this design, the 360° unit can provide even better air distribution in the conditioned room.

TEMPERATURE **SENSOR**

The temperature sensor is built into the remote control. In this way, temperature measurements are taken at the user's location, while the air conditioner's operation is adjusted to the actual conditions in the room.

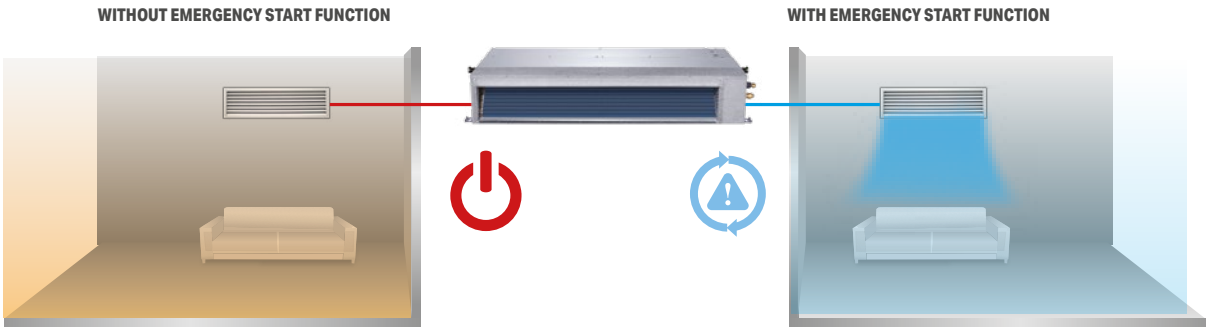
OPERATION AT **LOW OUTSIDE TEMPERATURES**

Thanks to a specially designed control board, the air conditioner can operate in the cooling function even with outdoor temperatures as low as -25°C.



3D AIR SUPPLY

The horizontal and vertical blinds of the air conditioner are controlled automatically, in order to ensure uniform temperature distribution in the room and optimal air circulation.

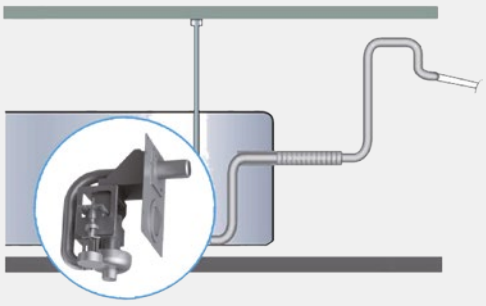


EMERGENCY USE

The emergency use function of the air conditioner allows the unit to operate even if one of the sensors has failed. With this solution, the operation of the air conditioner is not interrupted and it can be used until the fault is rectified.

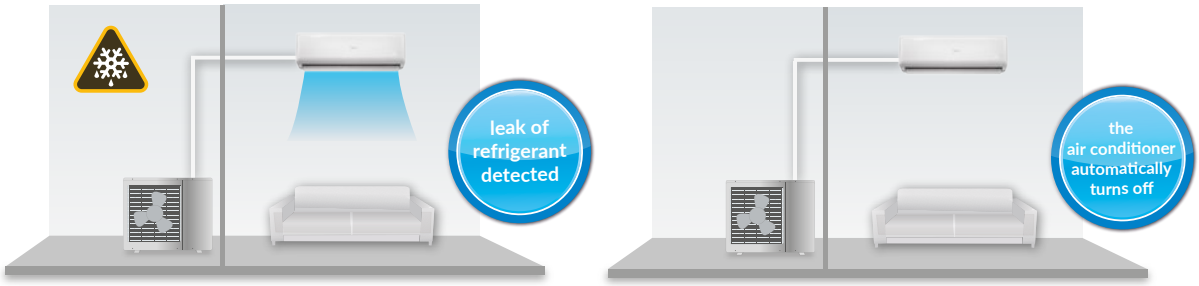
FRESH AIR

Outside air can be supplied through a connection duct to the air conditioner, thus improving the air quality in the room.



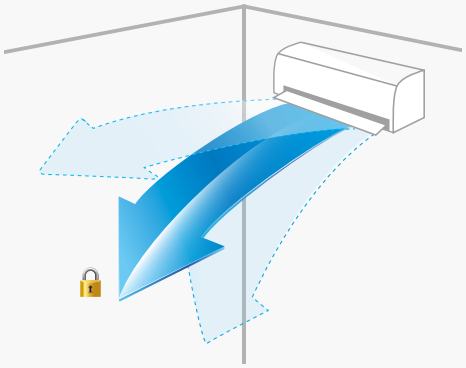
BUILT-IN **CONDENSATE PUMP**

Thanks to the integrated condensate pump, it is possible to remove condensate up to a height of 1000 mm.



REFRIGERANT LEAKAGE **INDICATION**

The air conditioner has a refrigerant leakage indication function. If the unit records a leakage, the EC message will appear on the display of the indoor unit and the air conditioner will automatically switch off. This function additionally protects the compressor from being damaged.



BLINDS SETTINGS **MEMORY**

Thanks to the function of saving the blinds settings, the air conditioner keeps the last settings after it is switched off and restores them- when restarted.

CENTRAL CONTROLLER

Option to connect a central controller, controlling up to 64 indoor units.

TWIN SYSTEM

The TWIN simultaneous system makes it possible to connect two indoor units of the same type and capacity to a single unit (outdoor unit). This solution improves air distribution in air-conditioned rooms and saves installation space by installing only one outdoor unit.

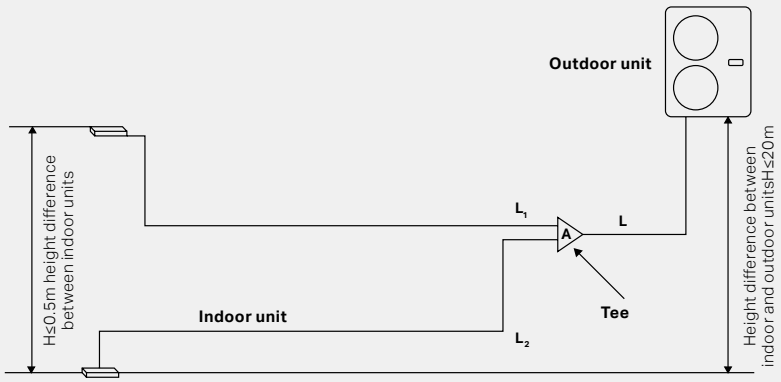
This system is ideal for air-conditioning large spaces such as conference and banquet halls, open-plan offices, restaurants and other service and commercial buildings. In a twin system, one indoor unit must be set as master and the other as slave. Only the master unit can accept the control signal from the remote control, the slave unit only performs the settings of the master unit.

Outdoor unit	Indoor unit	Branch pipe
 KOD30U-36HFN(J)32X	2 x KUE-18HRG32X 2 x KCA4U-18HRG32X 2 x KTI-18HWG32X	UTP-SX236A
 KOE30U-48HFN32X	2 x KCD-24HRG32X 2 x KUE-24HRG32X 2 x KTI-24HWG32X	UTP-SX254A

For the new KCA4U compact cassette units, it is possible to install double, triple and quadruple simultaneous systems. Technical details can be found in the service manual for cassette air conditioners.

INSTALLATION DIAGRAM FOR **SIMULTANEOUS TWIN SYSTEM**

To avoid system malfunction, use Kaisai brand triple connectors. The indoor units should be installed in equal numbers on both sides of the U-type triple connector.



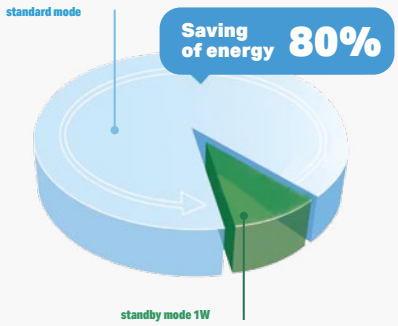
		Acceptable value		Installation
Installation length	Total installation length (active)	18K+18K	30m	L+L1+L2
		24K+24K	50m	
	Maximum branch length		15m	L1, L2
	Maximum branch length difference		10m	L1-L2
Height difference	Maximum height difference between indoor and outdoor units		20m	H1
	Maximum height difference between indoor units		0,5m	H2

FIXED HEATING **8°C**

The function of maintaining a constant temperature of 8°C in heating mode is a particularly useful solution for holiday homes and detached houses.

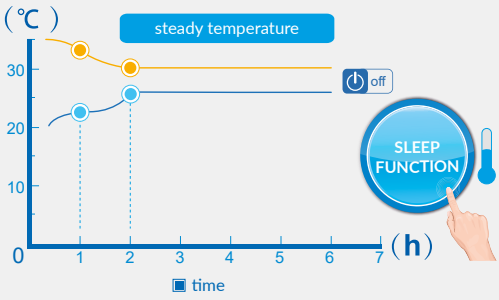
It keeps the air conditioner at a constant temperature of up to 8°C; it prev ents rooms from cooling down and pipes from freezing. This counteracts the build-up of moisture and thus the growth of micro-organisms and fungi. Air conditioners with this option are a more efficient solution than the commonly used thermostatically controlled electric heaters.

This is the hallmark of Kaisai brand home air conditioners. Combined with Smart AC and the ability to set the temperature remotely, this makes our products ideal for users who are often away from home.



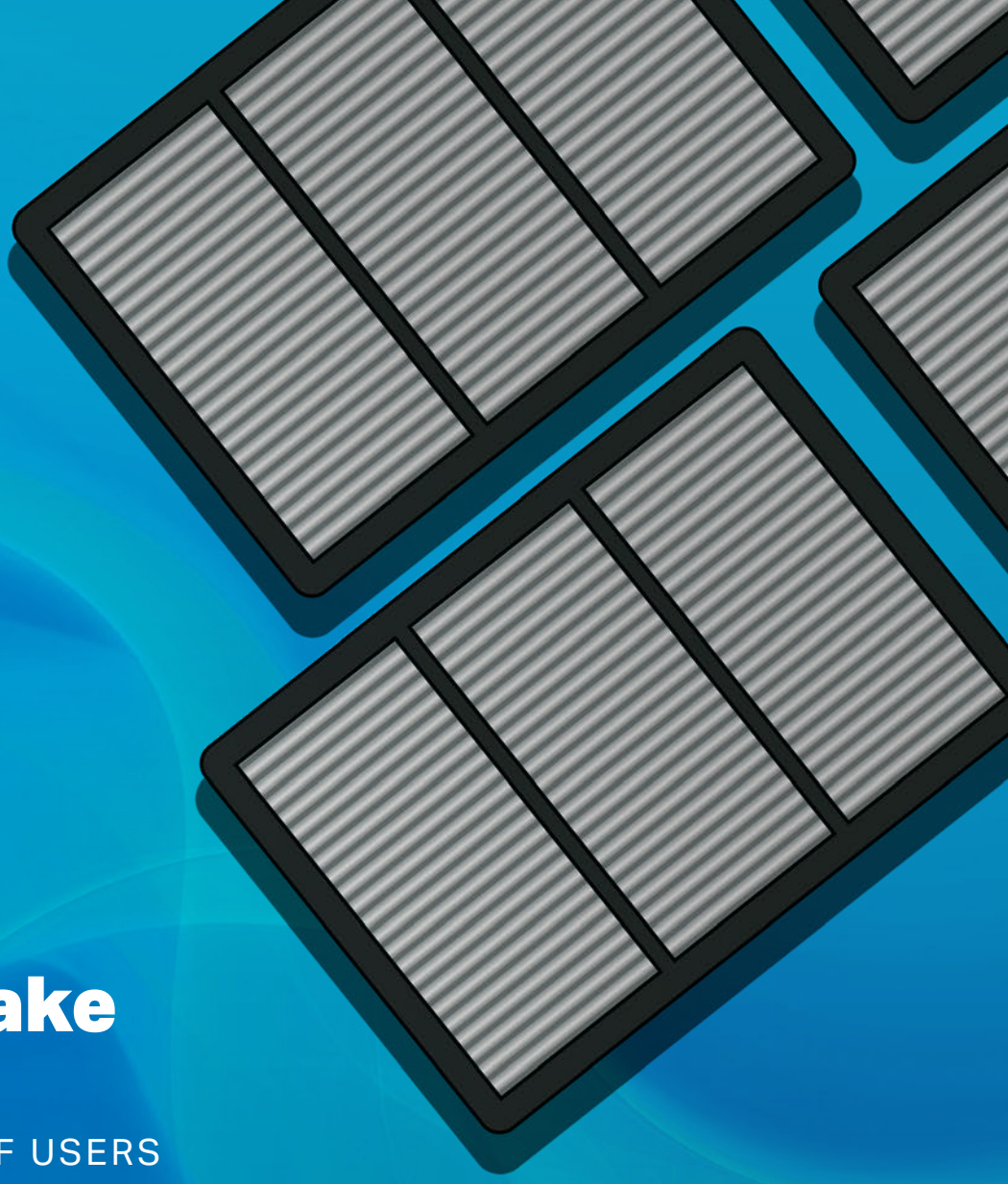
STANDBY MODE

In standby mode, power is disconnected from unused electronic components, reducing power consumption to 1 watt compared to standard devices, which consume an average of 5 watt in this mode, achieving savings of approximately 80%.



SLEEP FUNCTION

Activ ating the sleep function causes the unit to raise the temperature set in cooling mode (lower in heating mode) by 1°C per hour within two hours. During this time the fan runs at low speed. After 5 hours, the air conditioner switches off. Slow, hardly noticeable temperature changes and automatic switching off guarantee comfort and energy sav ings.



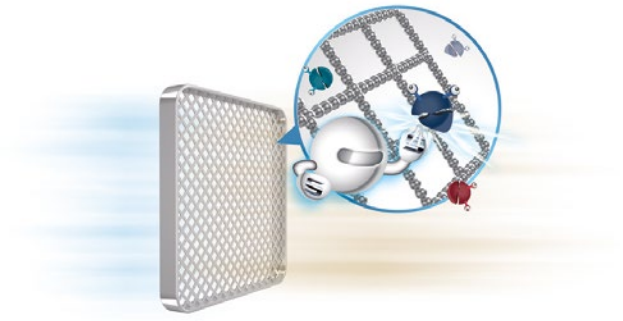
For the sake of health

AND COMFORT OF USERS

Modern filters used in Kaisai brand products guarantee clean and fresh air in the air--conditioned room. They capture very small dust particles, bacteria, fungi and germs, leaving healthy and clean air.

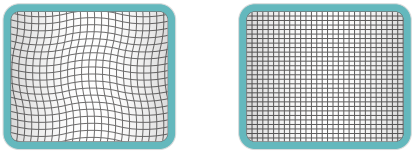
SELF-CLEANING
EXCHANGER

To ensure the highest standards of hygiene and comfort, Kaisai brand appliances use the latest self-cleaning technology for the internal exchanger. The air conditioner enters cleaning mode after it completes its operation. It removes any moisture that may have accumulated in the unit, which prevents the growth of micro-organisms and fungi.



SILVER ION FILTER

The silver ion filter is responsible for destroying bacteria and preventing the growth of micro-organisms such as viruses and fungi. The internal structure of the silver ions destroys micro-organisms.



VITAMIN C FILTER

The filter emits vitamin C, which has a positive effect on the skin by protecting it from the sun's rays. As an active antioxidant, vitamin C has a nourishing effect, stimulates collagen production and reduces stress.

HIGH DENSITY FILTER

The use of high-density filters significantly increases the efficiency of dirt retention – by up to 50%.

3M FILTER

Thanks to its unique design, the filter captures dust particles and other harmful substances from the air, which can cause many respiratory diseases.

BIOHEPA FILTER

The air purification function is further supported by the Bio HEPA filter, which effectively traps 99% of dust particles and bacteria measuring 0.3 µm and up to 95% of particles from 0.1 to 0.3 µm, including fungal cells and some viruses.

COLD CATALYTIC FILTER

The cold-catalytic filter eliminates chemicals such as carbon monoxide, hydrogen sulphide, ammonia, benzene and formaldehydes.

Modern technologies

USED IN KAISAI APPLIANCES

Kaisai appliances are characterised by high quality workmanship and the use of modern technology – all for the user's convenience. Efficient and comfortable air conditioning is now available to everyone.

total installation length **75m**

vertical installation height **30m**

heating [°C]	-25 ÷ 30
cooling [°C]	-15 ÷ 50

TOTAL **INSTALLATION LENGTH**

Kaisai split units have the option of installing the outdoor and indoor units far apart – up to 75 m in total length and up to 30 m in vertical height. This makes it much simpler to lay out appliances even in older buildings. You do not have to adapt your home design to air conditioning – we adapt it for you.

OPERATING **TEMPERATURE**

By using modern technology and the new refrigerant R32, Kaisai air conditioners can operate in a wide range of outdoor temperatures: from -15°C to 50°C in cooling mode and from -25°C to 30°C in heating mode. They can fulfil their purpose all year round, guaranteeing users can enjoy the comfort of cool in summer and additional heating in winter.

DIMENSIONS AND **DESIGN**

We make every effort to ensure that Kaisai units follow the latest design trends: we want the air conditioner to please the eye with its tasteful form and fit in with modern interior design trends. In addition, when designing indoor cassette and duct units, we are mindful of the space they occupy. Thanks to the optimum size of the units, the suspended ceiling does not require much technical space and thus leaves more usable space.

INVERTER TECHNOLOGY

The inverter technology in the Kaisai's units reduces power consumption, which is related to the reduction of room cooling and heating costs. Its use translates to the quiet operation of the unit and faster achievement of the desired temperature.

By using durable and high-pressure resistant materials, the compressor in Kaisai's heat pumps is extremely reliable. In addition, it has a high-efficiency motor with a wide voltage range, which is why it can operate in extreme conditions in 24-hour mode and reach temperatures of up to 60°C (230V/50Hz).

HIGH PERFORMANCE MOTOR

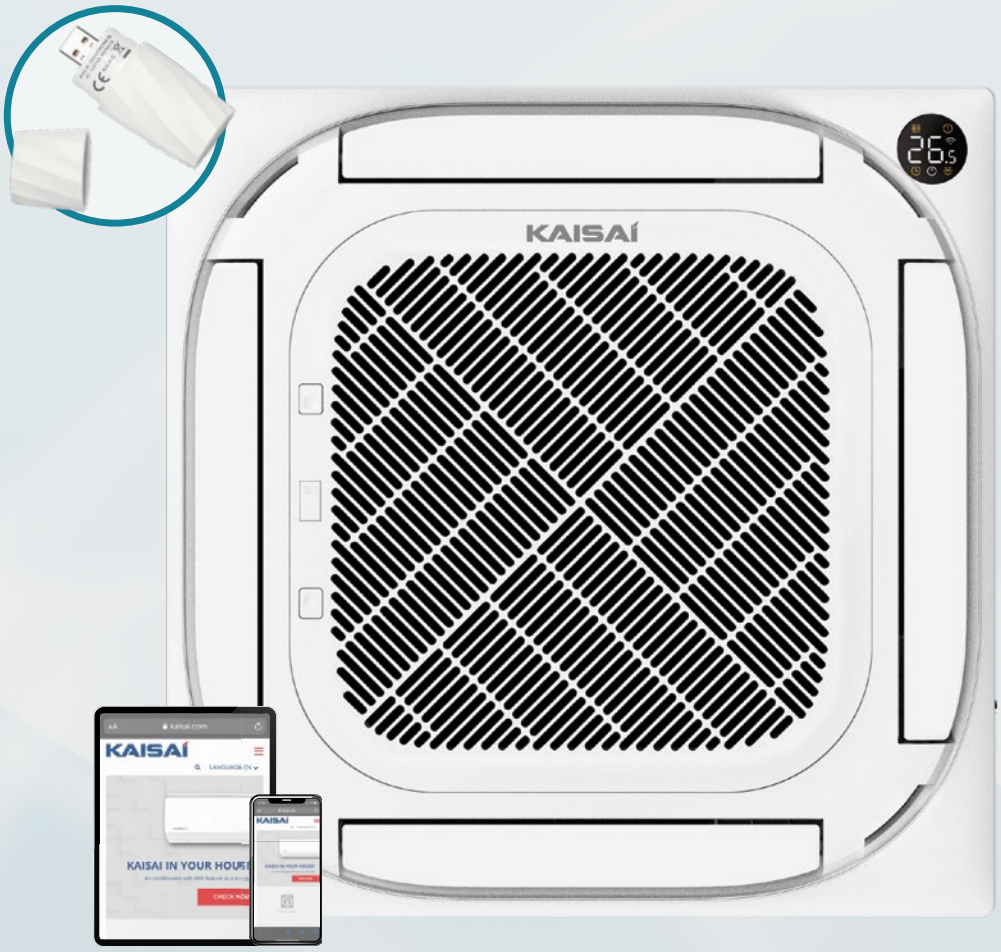
BROAD VOLTAGE RANGE

DURABLE COMPRESSOR MATERIAL

RESISTANCE TO HIGH PRESSURE

Commercial air conditioners

EFFECTIVE COOLING AND REAL COMFORT



CHANGING OPERATING MODE, TEMPERATURE, AND FAN SPEED

PREVIEW OF DEVICE OPERATION INFORMATION

MOBILE APP FOR ADROID AND IOS

SMART PORT IS A WI-FI MODULE FOR COMMERCIAL KAISAI AIR CONDITIONERS

Wi-Fi control can now be used not only for wall-mounted air conditioners, but also for other models of Kaisai air conditioners.

Wall-mounted air conditioners

ELEGANT APPEARANCE AND COMFORT OF USE

Kaisai products incorporate several features improving the comfort of use; for example, new control options have been added so that managing air conditioning has never been so convenient and simple.

SMART AC

Smart AC is a Wi-Fi module added as standard to all Kaisai wall air conditioner models. Thanks to its use, the user can control the device via an application installed on a tablet or smartphone, even when away from home or the office.

Using the Wi-Fi function, the user is able to switch the unit on or off, change the temperature and selected operating functions from any place in the world with Internet access. Wi-Fi control allows you to save electricity and increase the comfort of air conditioning by controlling the temperature in your home or office from any location.

NETHOME PLUS APP

The reliable operation of the Smart AC systemis ensured by the Nethome Plus app, which can be installed on a tablet or smartphone.
Download the app by scanning the QR code.

Download on the App Store

GET IT ON Google Play

SMARTLIFE SMARTHOME APP

Dedicated to PRO HEAT + and EVO air conditioners, the Smart Home Smart Life app ensures reliable operation of Smart AC sytem .
Download the app by scanning the QR code.

Download on the App Store

GET IT ON Google Play

Enable the innovative capabilities of your unit

DISCOVER ALL KAISAI FUNCTIONS

Kaisai air conditioners are equipped with a number of modern features that, in addition to providing the right temperature, allow you to enjoy the comfort of breathing clean air every day.

Advanced features of Kaisai appliances are also convenience and safety of use, as well as economical and efficient operation.

COMFORTS

TIMER

The timer gives you the option to set the time for automatic switching on and off of the air conditioner.

BLINDS SETTINGS MEMORY

After each shutdown, the air conditioner remembers the last blinds settings and restores them when restarted.

MONO AND MULTI

The indoor unit is versatile and can be used in single (mono-split) and multiple (multi-split) arrangements.

ON-OFF PORT

The air conditioner has a port that allows it to be switched on and off remotely (using a potential-free signal).

CENTRAL CONTROLLER

Option to connect a central controller, controlling up to 64 indoor units.

WI-FI CONTROL

The Wi-Fi module allows you to control the air conditioner using your phone or tablet from anywhere in the world.

SIMPLE INSTALLATION

The air conditioner is designed to be easy to install and require no extra steps.

TWIN COMBINATION

Two identical indoor units operate simultaneously, connected to a single outdoor unit.

DOUBLE-SIDED INSTALLATION

Refrigerant supply and condensate drainage pipes can be connected on both sides of the indoor unit for easy installation and adaptation to the room layout.

COMPACT DIMENSIONS

Well-planned components make the air conditioner small while retaining full performance parameters.

MFB MODULE

Expansion module that allows the connection of a wired controller, central controller, BMS gateway, external ON/OFF signal and output of an alarm signal.

LARGE INSTALLATION RANGE

The indoor and outdoor units can be up to 50 m apart in total installation length and up to 25 m apart in vertical installation height.

PERSONALISED REMOTE CONTROL

Option of changing the factory settings of the remote control in order to adapt it to the current needs of the user.

VERY LARGE INSTALLATION RANGE

Indoor and outdoor units can be spaced up to 75 m apart in total installation length and up to 30 m apart in vertical installation height.

AUTOMATIC BLINDS (SWING)

The automatic operation of horizontal blinds significantly improves the air distribution in the room.

BUILT-IN CONDENSATE PUMP

Thanks to the integrated pump, it is possible to remove condensate up to a height of 1000 mm.

Features that help you look after your health

HEALTH

IONISATION

The ions emitted by the air conditioner break down particles of dust mites, mould, bacteria and viruses, eliminating them from the environment, and humidify the air, which has a positive effect on the skin and gives a pleasant feeling of freshness.

BIOHEPA FILTER

The air purification function is supported by a Bio HEPA filter that effectively traps 99% of dust, dirt and bacteria particles of 0.3 µm and up to 95% of particles from 0.1 to 0.3 µm, including fungal cells and some viruses.

VITAMIN C FILTER

The filter emits vitamin C into the room, which is absorbed by the skin. The vitamin increases skin firmness, protects against harmful UV rays and also reduces stress.

HIGH DENSITY FILTER

The use of a high-density filter improves the efficiency of the retention of contaminants, including dust and particles. Not only does it protect the appliance but also takes care of the air quality.

SILVER ION FILTER

This filter contributes to the elimination of bacteria and other harmful micro-organisms through the use of active silver ions. It ensures a high standard of air hygiene.

FRESH AIR

Fresh outside air is supplied to the unit via a connecting pipe. This significantly improves the air quality in the room.

UVC LAMP

Effectively eliminates bacteria, viruses and other microorganisms, providing hygienic and healthy climate. The lamp's effect also supports the neutralisation of unpleasant odours, resulting in improved air quality.

3M FILTER

This filter, thanks to its unique design, more efficiently captures dust and harmful allergic substances from the air, which cause respiratory tract diseases.

COLD CATALYTIC FILTER

The cold catalytic filter removes chemicals such as carbon monoxide, hydrogen sulphide, ammonia, benzene and formaldehydes.

STERILIZATION 56°C

Effectively inactivate thermosensitive bacteria at 56°C for 30minutes. The AC unit can spin the fan in reverse direction to remove condensed water for self-cleaning in Off mode, effectively preventing bacteria and mold from breeding.

COMFORT

SMOOTH FAN SPEED ADJUSTMENT

This function allows smooth control of the indoor unit's fan capacity in a range of 1-100%.

AUTOMATIC RESTART

During a power outage, the air conditioner remembers the last settings and restores them when power is resumed. No need to reprogramme the device every time the power is switched off.

3D AIR SUPPLY

The horizontal and vertical blinds of the air conditioner are controlled automatically, in order to ensure uniform temperature distribution and optimal air circulation.

TURBO MODE

With this option, the air conditioner operates at an increased speed and provides rapid cooling or heating of the room.

TEMPERATURE COMPENSATION

The unit compensates for differences in the temperature sensor reading on the indoor unit compared to the actual temperature at the room floor. The desired temperature is achieved throughout the room, not just around the air conditioner.

MULTIFUNCTIONAL REMOTE CONTROL

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

VANE FUNCTION

With this option, the user can individually control each of the air conditioner's blinds, directing the airflow where they choose.

GENTLE COOLING

More than 1,000 precisely positioned micro--exhaust vents generate a gentle stream of air, which spreads evenly throughout the room. This function minimises the sensation of draught, providing optimum thermal comfort and subtle cooling, ideal for users sensitive to intensive ventilation.

BREEZE AWAY FUNCTION

This function allows the blinds to be set in parallel so that the air supply from the unit is not directed directly at the user.

EVAPORATOR SELF-CLEANING

After operation, the air conditioner goes into cleaning mode and removes any moisture that may have accumulated in the indoor unit. This prevents the growth of micro-organisms and fungi.

360° AIR SUPPLY

The unit can provide the best air distribution throughout the room thanks to the additional supply slots in the air conditioner panel.

BROAD TEMPERATURE RANGE

Operating in a wide range of outdoor temperatures. In cooling mode from -15 to 50°C and from -25 to 30°C in heating mode.

COLD AIR SUPPLY CONTROL

To minimise the feeling of unpleasant cold airflow, the air conditioner automatically reduces the fan speed when it starts to operate in heating mode and increases it as the air warms up.

COMPRESSOR AND CONDENSATE TRAY HEATER

The compressor crankcase heater prevents absorption of the refrigerant by the oil, which may occur when the temperature drops. The drip tray heater assists the air conditioner's operation in heating mode by preventing ice build-up, improving efficiency and minimising the risk of fan failure.

QUIET OPERATION

Possibility to set the minimum sound level of the unit in the conditioned room.

FIREPLACE MODE

Once the set temperature has been reached in heating mode, the indoor unit fan continues to operate in order to distribute warm air from other heat sources, e.g. a fireplace.

MONEY SAVING

8°C CONTINUOUS HEATING FUNCTION

When the user is away, in heating mode, the air conditioner keeps the room at a constant temperature of up to 8°C, preventing it from cooling down.

TEMPERATURE SENSOR IN REMOTE CONTROL

The temperature sensor built into the remote control allows it to be measured closer to the user, allowing the device to more accurately match the environment.

STANDBY MODE

In standby mode, disconnecting power from unused components reduces power consumption by up to 80%.

ECO

With the Eco function activated, the appliance consumes up to 60% less energy compared to conventional operation.

SLEEP FUNCTION

The unit raises the temperature set in cooling mode (lower in heating mode) by 1°C per hour within two hours and the fan operates at a low speed. This reduces electricity consumption and the air conditioning provides the best comfort for the user.

GEAR FUNCTION

With the Gear Mode's ability to control the temperature and speed of air supply, it is possible to control electricity consumption and decide on the maximum intensity level.

5 FAN SPEEDS FOR THE OUTDOOR UNIT

Thanks to inverter technology, the outdoor unit has 5 operating modes, which increases energy efficiency and improves comfort.

12 FAN SPEEDS FOR THE INDOOR UNIT

Adjusting the 12 fan speeds of the indoor unit allows you to ensure maximum comfort in the room and save electricity.

SAFETY

OPERATION AT LOW OUTSIDE TEMPERATURES

The air conditioner operates in cooling mode even when the outside temperature reaches -15°C.

REFRIGERANT LEAKAGE INDICATION

The error code will be displayed on the control panel of the indoor unit when the outdoor unit detects a refrigerant leakage.

OPERATION AT VERY LOW OUTSIDE TEMPERATURES

The air conditioner even works at outdoor temperatures as low as -25°C.

SELF-DIAGNOSIS

The air conditioner monitors its operation and shuts down if it detects a malfunction or failure. The error code is displayed on the control panel of the indoor unit.

ALARM PORT

The air conditioner has an alarm port from which a fault signal can be connected.

ELECTRONIC EXPANSION VALVE

The electronic expansion valve reduces refrigerant pressure in a variable, controlled way. This makes it possible to accurately regulate both the superheat value and the cooling/heating capacity.

EMERGENCY USE

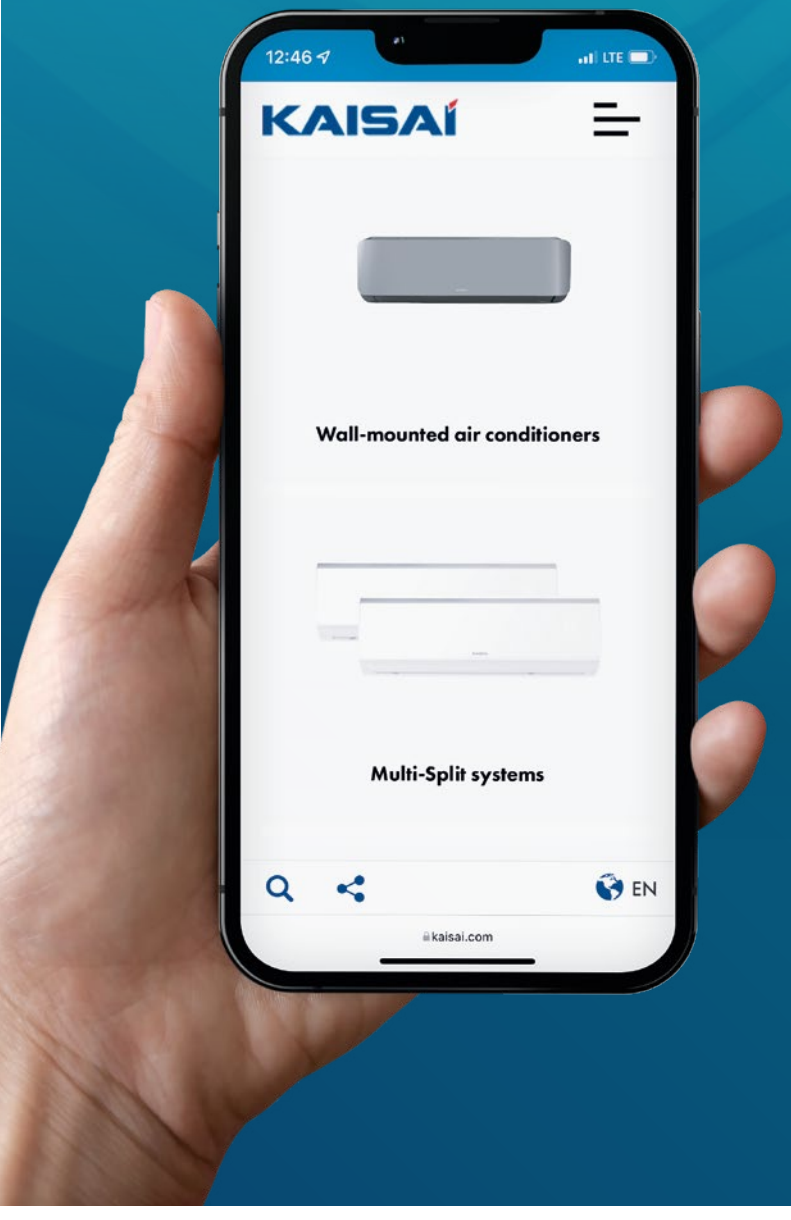
If one of the sensors fails, the operation of the unit is not interrupted and it can be used until the fault is rectified.

Explore solutions you did not know

KAISAI RANGE OF APPLIANCES

KAISAI offers modern solutions ensuring comfort and efficient cooling of rooms inside the house - the living room, the bedroom or the children's room.

The universal design of KAISAI air conditioners blends perfectly with the furnishings of any interior, and the high energy efficiency parameters ensure economical operation with low energy consumption.



WALL-MOUNTED AIR CONDITIONERS

Compact dimensions ensure a subtle, elegant appearance, and a range of unit types allows them to adapt to a variety of interiors – whether for home use, offices or retail outlets.

COMMERCIAL AIR CONDITIONERS

Commercial buildings require equipment that provides a particularly efficient air conditioning system. Depending on the area and purpose of the facility, we can apply floor, floor/ceiling, cassette, duct, or condensing units.

MULTI SPLIT SYSTEMS

These systems are recommended for facilities requiring multi-room air conditioning. All the advantages of split appliances are retained with a single outdoor unit.

A planet-friendly home

Eco-friendly air conditioning, ventilation and heating systems reduce electricity consumption, giving real benefits during use. The offered Kaisai brand appliances are not only a high class of energy efficiency, but also innovative functionality that will meet the needs of the most demanding customers.

■ STANDARD
□ OPTIONAL

	WALL	FLOOR	FLOOR AND CEILING	CONSOLE	CASSETTE COMPACT	CASSETTE SUPER SLIM	DUCT SLIM
							
Self-cleaning evaporator	■		■	■	■	■	
High-density filter	■						
The 3D air supply	■	■	■	■			
Automatic restart	■	■	■	■	■	■	■
360° air supply					■	■	
Temperature compensation	■	■	■	■	■	■	■
Cold air control	■	■	■	■	■	■	■
Wide temperature range	■	■	■	■	■	■	■
8°C continuous heating function	■	■	■	■	■	■	
Standby mode	■						
Sleep function	■	■	■	■	■	■	■
Temperature sensor in remote control	■	■	■	■	■	■	■
Fireplace Mode	■						
Operation at low outside temperatures	■	■	■	■	■	■	■
Refrigerant leakage indication	■	■	■	■	■	■	■
Emergency use	■	■	■	■	■	■	■
Self-diagnosis	■	■	■	■	■	■	■
Alarm port			■		■	■	■
Timer	■	■	■	■	■	■	■
Automatic blinds (swing)	■	■	■	■	■	■	
Mono and multi	■			■	■		■
UVC lamp	■						
Twin combination			■			■	■
Double-sided installation	■		■	■			■
Fresh air			■		■	■	■
Blinds settings memory	■		■	■	■	■	
On-off port			■		■	■	■
Gentle cooling	■						
Wi-Fi control	■		□	□	□	■	■
Built-in condensate pump			■		■	■	■

Series of
KAISAI AIR CONDITIONING APPLIANCES

TYPE		PAGE NUMBER	COOLING / HEATING CAPACITY [kW] 2,6	3,5	5,3	6,0	7,0÷7,2	
WALL-MOUNTED AIR CONDITIONERS								
	FLY	44	•	•	•		•	
	ICE	48	•	•	•		•	
	GEO	53	•	•	•		•	
	PRO HEAT+	56	•	•	•		•	
	NORDIC	60		•				
	EVO	64	•	•	•		•	
MULTI SPLIT SYSTEMS								
	WALL	70	•	•	•		•	
	DUCT	71			•			
	CONSOLE	71		•	•			
	CASSETTE COMPACT	72	•	•	•			
	OUTDOOR UNITS	72			•			
COMMERCIAL AIR CONDITIONERS								
	FLOOR	76					•	
	FLOOR AND CEILING	84			•		•	
	CONSOLE	88		•	•			
	CASSETTE COMPACT	92		•	•			
	CASSETTE SUPER SLIM	96					•	
	DUCT SLIM	100			•		•	
	CONDENSING UNITS	104		•	•		•	

	COOLING / HEATING CAPACITY [kW]						
	7,9÷8,2	9,0	10,0	10,6	12,0÷12,4	14,0÷14,1	15,2÷15,8
	••			•	•		
						•	
				•		•	•
				•		•	•
				•		•	•
				•		•	•

Wall-mounted air conditioners

The compact dimensions of the wall-mounted units provide an elegant appearance and comfort of use, combined with high efficiency and simple installation.

All wall-mounted KAISAI air conditioners use the environmentally friendly R32 refrigerant, and standard accessories include the Wi-Fi function to control the unit using mobile devices. Depending on the model, there is a number of practical functions available for intuitive control and the optimum adaptation of the device to the needs of the user.


KAISAI

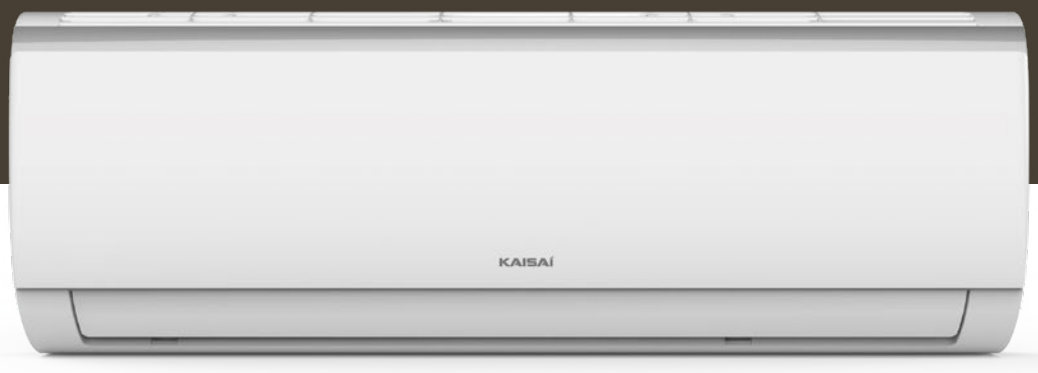
KWX 09 I 12 I 18 I 24 KRHI

fly

The energy-efficient Kaisai Fly wall air conditioner with R32 refrigerant combines elegance with functionality. Its universal, timeless design makes it fit into any interior.

The unit stands out for its ability to heat at outdoor temperatures as low as -25°C. The Wi-Fi function as standard increases the convenience of air conditioning control, and a modern wireless remote control allows you to use 3 additional functions: self-cleaning evaporator (Self Clean), constant heating at 8°C (Heating 8°C) and temperature sensor in the remote control (Follow Me).

A++ | R32 |



Features of **Kaisai Fly**

- Wide temperature range
- High-density filter
- Blinds settings memory
- Refrigerant leakage indication
- Operation at low outside temperatures
- Multi-functional remote control
- Emergency use
- Cold-catalytic filter
- Wi-Fi control
- Standby mode
- Heating function 8°C
- Turbo mode
- Self-cleaning evaporator
- 3D air supply
- Sleep function
- Mono and multi
- Timer
- Automatic restart
- Self-diagnosis
- Remote control temperature sensor
- BIO HEPA filter
- Compressor and condensate tray heaters
- Eco
- OPTIONAL Silver ion filter
- OPTIONAL Vitamin C filter
- OPTIONAL 3M filter

Technical specification

MODEL	indoor unit		KWX-09KRHI	KWX-12KRHI	KWX-18KRHI	KWX-24KRHI
	outdoor unit		KWX-09KRHO	KWX-12KRHO	KWX-18KRHO	KWX-24KRHO
Capacity average (min÷max)	cooling	kW	2,6(0,9÷3,4)	3,5(1,1÷3,9)	5,3(1,8÷6,1)	7,0(2,1÷7,9)
	heating	kW	2,9(0,8÷3,4)	3,8(1,1÷4,2)	5,6(1,3÷6,7)	7,3(1,6÷7,9)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	7,0	6,5	7,4	6,1
SCOP	average	W/W	4,1	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	800(100÷1240)	1320(83÷1600)	1550(140÷2300)	2600(420÷3150)
	heating	W	930(120÷1200)	1190(167÷1400)	1570(220÷2350)	2400(300÷2750)
Average operating current (min÷max)	cooling	A	3,48(0.4÷5,4)	5,8(0,8÷7,3)	6,7(0,6÷10,0)	11,5(1,8÷13,8)
	heating	A	4,05(0,5÷5.5)	5,3(1,4÷6,4)	6,8(0,9÷10,2)	11,0(1,3÷12,2)
Air flow rate	indoor	m^3/h	435/333/259	530/430/310	840/680/540	980/817/662
	outdoor	m^3/h	1750	1750	2100	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÷30	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30
Sound pressure level	indoor	dB(A)	37/32/25/21,5	39,5/35,5/25/21.5	42,5/36/26/20	45/40,5/36/30
	outdoor	dB(A)	55	55	56	59
Net dimensions w/h/d	indoor	mm	715/285/194	805/285/194	957/302/213	1040/327/220
	outdoor	mm	720/495/270	720/495/270	805/554/330	890/673/342
Transport dimensions w/h/d	indoor	mm	780/365/270	870/365/270	1035/385/295	1120/405/315
	outdoor	mm	835/540/300	835/540/300	915/615/370	995/740/398
Net weight	indoor	kg	6,7	7,3	10,0	12,3
	outdoor	kg	21	21	32,7	42,9
Transport weight	indoor	kg	8,8	9,5	13,0	15,8
	outdoor	kg	22,8	22,8	35,4	45,9
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	50
Maximum height difference		m	10	10	20	25
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	16	16	20
Power supply lines	outdoor	# of wires x mm^2	3x1,5	3x1,5	3x2,5	3x2,5
Control lines	ind. - outd.	# of wires x mm^2	5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,47	0,52	1,08	1,42
Additional amount of refrigerant	over 5 rm	g/m	12	12	12	24

Controllers

WIRELESS REMOTE CONTROL

RG10A4

WIRELESS REMOTE CONTROL

RG10B
(OPTIONAL)

WIRED REMOTE CONTROL

KJR12B
(OPTIONAL)


KAISAI

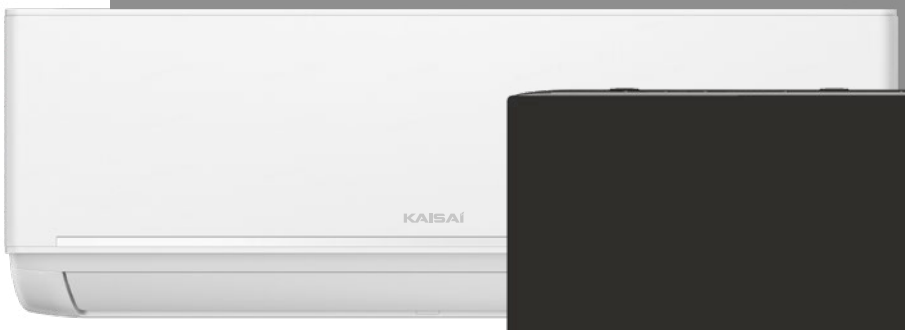
KLB-09 | 12 | 18 | 24 HRHI
KLW-09 | 12 | 18 | 24HRHI

ice

Wall air conditioner with stylish panel in two color variants: crystal white and mirror black.

A high energy class and a number of features that take care of the health and high comfort of the user comfort are additional hallmarks of this model. Kaisai Ice is equipped with compressor and condensate tray heaters, an ionizer air and a Bio HEPA filter. In addition to the standard control capabilities control, it offers rich additional options, such as connecting a controller central controller or a BMS gateway.

A+++ | R32 |



KLW

KLB

Features of **Kaisai Ice**

Wide temperature range

Simple inst allation

Blinds settings memory

Refrigerant leakage indication

Operation at low outside temperatures

BIO HEPA filter

Emergency use

Wi-Fi control

Standby mode

Multi-functional remote control

Heating function 8°C

Self-cleaning evaporator

3D air supply

Sleep function

Timer

Automatic restart

Self-diagnosis

Remote control temperature sensor

Air ionization

Compressor and condensate tray heaters

Gear mode

Eco mode

Smooth fan speed adjustment

Mono & multi

Turbo mode

OPCJA Silver ion filter

OPCJA Vitamin C filter

OPCJA 3M filter

OPCJA MFB module

Technical specification

MODEL	indoor unit		KLW-09HRHI KLB-09HRHI	KLW-12HRHI KLB-12HRHI	KLW-18HRHI KLB-18HRHI	KLW-24HRHI KLB-24HRHI
	outdoor unit		KLWB-09HRHO	KLWB-12HRHO	KLWB-18HRHO	KLWB-24HRHO
Capacity average (min÷max)	cooling	kW	2,6 (1,0-3,2)	3,5 (1,4-4,3)	5,3 (1,9-6,2)	7,0 (3,0-8,7)
	heating	kW	2,9 (0,8-3,4)	3,8 (1,1-4,4)	5,6 (1,3-6,9)	7,3 (1,5-9,3)
Energy class	cooling/heating		A+++ / A++	A+++ / A++	A++ / A+	A++ / A+
SEER	average	W/W	8,8	8,5	7,0	6.4
SCOP	average	W/W	4,6	4,6	4,0	4,0
Average power consumption (min÷max)	cooling	W	628 (80÷1100)	1005 (130÷1650)	1550 (150÷2250)	2420 (340÷3450)
	heating	W	651 (70÷990)	977 (160÷1560)	1630 (220÷2350)	2130 (300÷3150)
Average operating current (min÷max)	cooling	A	2.7 (0.3÷4.8)	4.4 (0.6÷7.2)	6.7 (0.7÷9.8)	10.5 (1.4÷15)
	heating	A	2.8 (0.3÷4.3)	4.2 (0.7÷6.8)	7.1 (0.9÷10.2)	9.3 (1.3÷13.7)
Air flow rate	indoor	m^3/h	510/360/300	520/370/310	800/600/500	1090/770/610
	outdoor	m^3/h	2150	2200	2100	3500
Operating temp. 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+30	-15+50/-25+30	-15+50/-25+30	-15+50/-25+30
Sound pressure level	indoor	dB(A)	37/31/22/19	39/33/22/21	41/37/31/20	46/37/34.5/21
	outdoor	dB(A)	54,0	54,5	57,0	60,0
Net dimensions w/h/d	indoor	mm	835x295x208	835x295x208	969x320x241	1083x336x244
	outdoor	mm	765x555x303	765x555x303	805x554x330	890x673x342
Transport dimensions w/h/d	indoor	mm	905x355x290	905x355x290	1045x405x315	1155x415x315
	outdoor	mm	887x610x337	887x610x337	915x615x370	995x740x398
Net weight	indoor	kg	8,7	8,7	11,2	13,6
	outdoor	kg	26,4	26,4	33,5	43,9
Transport weight	indoor	kg	11,5	11,5	14,6	17,3
	outdoor	kg	28,8	28,8	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	50
Maximum height difference		m	10	10	20	25
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	16	16	20
Power supply lines	outdoor	# of wires x mm^2	3x1,5	3x1,5	3x2,5	3x2,5
Control lines	ind. - outd.		5x1,5	5x1,5	5x1,5	5x1,5
Refrigerant factory amt.	up to 5 rm	kg	0,62	0,62	1,1	1,45
Refrigerant add amt.	over 5 rm	g/m	12	12	12	24

KLW – white indoor unit / KLB – black indoor unit

Controllers

WIRELESS REMOTE CONTROL

RG10A1

WIRED REMOTE CONTROL

KJR12B
(OPTIONAL)

WIRED REMOTE CONTROL

KJR-120N
(OPTIONAL)

WIRED REMOTE CONTROL

CCM
(OPTIONAL)


KAISAI

KGE-09 I 12 I 18 I 24 GRHI

geo

Geo units offer the highest energy efficiency class and modern air purification functions.

The Geo air conditioner series is the perfect combination of original design and top energy class A+++ in cooling mode and A+++ in heating mode. Thanks to the double filtration system and the air ionisation function, the device effectively cleans the air-conditioned room from dust, microbes and unwanted chemical substances. High comfort of use of the air conditioner is ensured by the Wi-Fi module as standard and the 3D air intake allowing for optimal air circulation and even temperature distribution in the room.

A+++ | R32 |

Features of **Kaisai Geo**

- Wide temperature range
- Simple installation
- Blinds settings memory
- Refrigerant leakage indication
- Operation at low outside temperatures
- Timer
- Emergency use
- Multi-functional remote control
- Standby mode
- Wi-Fi control
- Heating function 8°C
- Turbo mode
- Self-cleaning evaporator
- 3D air supply
- Sleep function
- Automatic restart
- Self-diagnosis
- Remote control temperature sensor
- Cold-catalytic filter
- BIO HEPA filter
- Air ionization
- Compressor and condensate tray heaters
- OPTIONAL Silver ion filter
- OPTIONAL Vitamin C filter
- OPTIONAL 3M filter

Technical specification

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	cooling/heating		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	m^3/h	483/362/303	584/477/395	730/500/420	1020/830/640
	outdoor	m^3/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 x mm^2	3x1,5	3x1,5	3x1,5	3x2,5
Control lines	ind. - outd.		5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,62	0,62	1,1	1,45
Additional amount of refrigerant	over 5 rm	g/m	12	12	12	24

Controllers

WIRELESS
REMOTE CONTROL

RG10B1


26°
KAISAI

KRW-09 | 12 | 18 | 24 TLHI
KRB-09 | 12 | 18 | 24 TLHI

SmartLife
SmartHome
App

NEW 2025

pro heat+

The KAISAI PRO HEAT+ air conditioner with heating combines modern technology with reliability, offering comfortable conditions all year round.

Thanks to its highest heating efficiency, it works reliably even at temperatures as low as -25°C, providing warmth on cold days and effectively cooling the air in rooms in summer. The device features a built-in expansion valve that optimises the flow of refrigerant. As a result, the KAISAI PRO HEAT+ air conditioner operates more stably, consumes less energy and maintains high efficiency in both cooling and heating modes. The air conditioner is equipped with innovative features such as ionisation, which effectively eliminates dust mites, mould, bacteria and viruses. This process is also supported by a UVC lamp.

A+++ | R32 |

KRW

KRB

Features of **Kaisai Pro Heat+**

- Wide temperature range
- High-density filter
- Blinds settings memory
- Refrigerant leakage indication
- Operation at low outside temperatures
- Wi-Fi control
- Instalacja dwustronna
- Standby mode
- Heating function 8°C
- Compressor and condensate tray heaters
- Samooczyszczanie parownika
- 3D air supply
- Sleep function
- Timer
- Eco
- Gear mode
- Automatic restart
- Remote control temperature sensor
- Electronic expansion valve
- Filtr z jonami srebra
- Gentle cooling
- Self-diagnosis
- UVC lamp
- Turbo mode
- Breeze Away
- Emergency use
- Port on-off

Technical specification

MODEL	indoor unit		KRW-09TLHI KRB-09TLHI	KRW-12TLHI KRB-12TLHI	KRW-18TLHI KRB-18TLHI	KRW-24TLHI KRB-24TLHI
	outdoor		**KRWB-09TLHO**	**KRWB-12TLHO**	**KRWB-18TLHO**	**KRWB-24TLHO**
Capacity average (min÷max)	cooling	kW	2.6 (0.9÷3.7)	3. 5 (1.0÷4.6)	5.2 (1.3÷5.9)	7 (1.8÷7.8)
	heating	kW	3.3 (0.9÷4.0)	3.9 (1.0÷4.9)	5.5 (1.3÷6.7)	7.1 (1.9÷8.0)
Energy class	cool./heat.		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
SEER	average	W/W	8.5	8.5	8.5	8.5
SCOP	average	W/W	4.6	4.7	4.6	4.7
Average power consumption (min÷max)	cooling	W	672 (240÷1380)	1051 (290÷1510)	1417 (330÷2350)	1940 (410÷2830)
	heating	W	860 (240÷1552)	963 (290÷1720)	1401 (340÷2540)	1810 (420÷3010)
Average operating current (min÷max)	cooling	A	3.0 (1.2÷8.1)	4.8 (1.5÷9.2)	6.4 (1.7÷12.0)	8.7 (2.3÷15.5)
	heating	A	3.9 (1.2÷9.0)	4.0 (1.5÷10.0)	6.4 (1.7÷13.0)	8.0 (2.3÷16.0)
Air flow rate	indoor	m^3/h	560	670	1000	1100
	outdoor	m^3/h	2200	2200	3000	4000
Amount of moisture removed	indoor	L/h	1.2	1.5	1.8	2
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 +53/-25+30	-15 +53/-25+30	-15 +53/-25+30	-15 +53/-25+30
Sound pressure level	indoor	dB(A)	44/41/37/34/29/25/19	44/41/37/34/29/25/19	47/42/38/33/30/27/23	50/44/40/37/34/30/26
	outdoor	dB(A)	52	53	55	58
Transport dimensions w/h/d	indoor	mm	820×306×195	820×306×195	920×306×195	1100×333×222
	outdoor	mm	787×498×290	810×549×305	927×699×380	978×803×421
Transport dimensions w/h/d	indoor	mm	890×380×265	890×380×265	990×380×265	1165×405×295
	outdoor	mm	818×520×325	835×575×328	949×732×392	1022×835×480
Net weight	indoor	kg	9	9	10	14
	outdoor	kg	22	24	38	45
Transport weight	indoor	kg	11	11	13	17
	outdoor	kg	24	26	41	49.5
Pipe diameter: liquid/gas		mm	6.35/9.52	6.35/9.52	6.35/12.0	6.35/12.7
Maximum installation length		m	25	25	25	25
Maximum height difference		m	10	10	10	10
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 x mm^2	3x1.5	3x1.5	3x2.5	3x2.5
Control lines	ind. - outd.		4x1.5	4x1.5	4x1.5	4x1.5
Factory amount of refrigerant	up to 5 mb	kg	0.57	0.6	0.87	1.27
Additional amount of refrigerant	over 5 mb	g/m	15	15	25	25

KRW – white indoor unit / KRB – black indoor unit

Controllers

WIRELESS REMOTE CONTROL

85T

WIRED REMOTE CONTROL

WRCT01
(OPTIONAL)

KNP-12NRHI

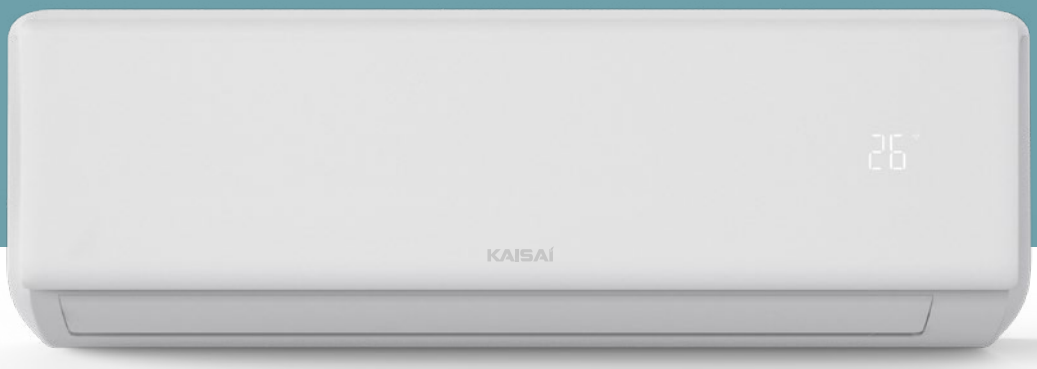
NEW 2025

nordic

KAISAI Nordic is a technologically advanced, energy-efficient air conditioner that provides optimal thermal comfort on both hot and cold days.

The device offers effective heating even in extremely low temperatures, reaching -35°C. The energy-efficient air conditioner is equipped with a number of modern features, such as 56°C sterilisation to eliminate bacteria, air ionisation and precise temperature control every 0.5°C. Thanks to a hidden presence sensor, the air conditioner automatically adjusts its operation, increasing efficiency and comfort of use.

A+++ | R32 |



Features of **Kaisai Nordic**

- Wide temperature range
- High-density filter
- Blinds settings memory
- Refrigerant leakage indication
- Operation at low outside temperatures
- Wi-Fi control
- Emergency use
- Timer
- Multi-functional remote control
- Standby mode
- Heating function 8°C
- Electronic expansion valve
- Self-cleaning evaporator
- Automatic restart
- 3D air supply
- Sleep function
- Self-diagnosis
- BIO HEPA filter
- Cold-catalytic filter
- Remote control temperature sensor
- Air ionization
- Compressor and condensate tray heaters
- Eco
- Fireplace mode
- Smooth fan speed adjustment
- Turbo mode
- Breeze Away
- OPTIONAL Silver ion filter
- OPTIONAL Vitamin C filte
- OPTIONAL 3M filter

Technical specification

MODEL	**indoor unit**		**KNP-12NRHI**
	outdoor unit		**KNP-12NRHO**
Capacity average (min÷max)	cooling	kW	3,5(1,0÷4,8)
	heating	kW	3,8(0,7÷7,2)
Energy class	cooling/heating		A+++/A+++
SEER	average	W/W	9,2
SCOP	average	W/W	5,1
Average power consumption (min÷max)	cooling	W	748(102÷1955)
	heating	W	772(104÷2625)
Average operating current (min÷max)	cooling	A	3,2(0,4÷8,5)
	heating	A	3,4(0,4÷11,4)
Air flow rate	indoor	m^3/h	548/370/310
	outdoor	m^3/h	2350
Operating temp. cooling/heating	indoor	°C	16÷32 / 0÷30
	outdoor	°C	-15 +50 / -35+30
Sound pressure level	indoor	dB(A)	42,5 / 35 / 22 / 20
	outdoor	dB(A)	56,0
Net dimensions w/h/d	indoor	mm	895x298x248
	outdoor	mm	805x554x330
Transport dimensions w/h/d	indoor	mm	985x350x370
	outdoor	mm	915x615x370
Net weight	indoor	kg	12,6
	outdoor	kg	35,2
Transport weight	indoor	kg	17,3
	outdoor	kg	37,7
Pipe diameter: liquid/gas		mm	6,35/9,52
Maximum installation length		m	25
Maximum height difference		m	10
Power supply	outdoor	V/Hz/Ph	220-240 / 50 / 1
Circuit breaker/fuse	outdoor	A	10
Power supply lines	outdoor	# of wires x mm^2	3x1,5
Control lines	ind. - outd.		5x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,1
Additional amount of refrigerant	over 5 rm	g/m	0,12

Controllers

WIRELESS
REMOTE CONTROL

RG10L5


KAISAI

KEV 09 I 12 I 18 I 24 TLHI

SmartLife
SmartHome
App

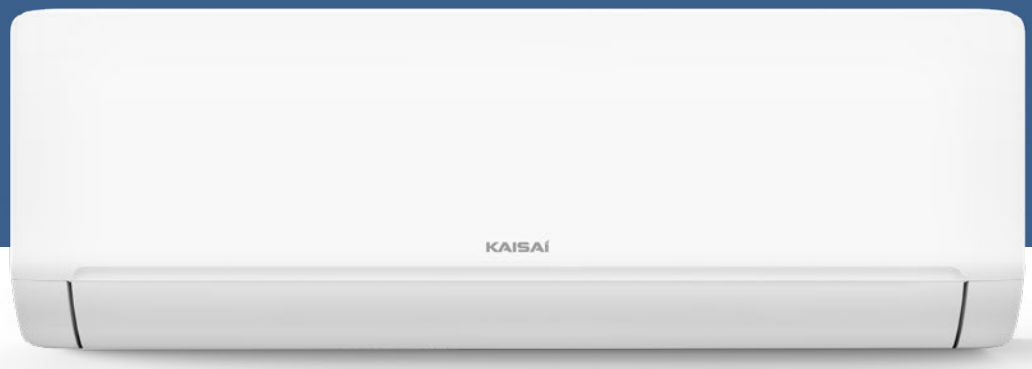
NEW
2025

evo

The KAISAI EVO wall-mounted air conditioner combines stylish design with advanced technology.

The device cools and heats rooms efficiently and quietly, ensuring comfort regardless of the season – it works even at -20°C outside. Equipped with a silver ion filter, self-cleaning evaporator function and ECO mode, it ensures healthy air and low energy consumption. Gold fins and a drip tray heater increase the reliability and durability of the device, even in difficult conditions

A++ | R32 |



Features of **Kaisai EVO**

- Wide temperature range
- High-density filter
- Blinds settings memory
- Refrigerant leakage indication
- Operation at low outside temperatures
- Wi-Fi control
- Double sided installation
- Standby mode
- Heating function 8°C
- Compressor and condensate tray heaters
- Emergency use
- Self-cleaning evaporator
- Sleep function
- Timer
- Eco
- Gear mode
- Automatic restart
- Remote control temperature sensor
- Silver ion filter
- Turbo mode
- Breeze Away
- Self-diagnosis
- Port on-off

Technical specification

MODEL	indoor unit		KEV-09TLHI	KEV-12TLHI	KEV-18TLHI	KEV-24TLHI
	outdoor unit		KEV-09TLHO	KEV-12TLHO	KEV-18TLHO	KEV-24TLHO
Capacity average (min÷max)	cooling	kW	2,6 (0,9÷3,3)	3,4 (1,0÷3,8)	5,1 (1,3÷5,9)	7,0 (1,5÷7,8)
	heating	kW	2,7 (1,0÷3,8)	3,4 (1,0÷3,8)	5,2 (1,3÷6,0)	7,1 (1,5÷7,9)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,4	6,1	6,8	6,4
SCOP	average	W/W	4	4	4	4
Average power consumption (min÷max)	cooling	W	811 (240÷1380)	1130 (290÷1500)	1567 (330÷2350)	2324 (390÷2800)
	heating	W	726 (290÷1720)	1005 (290÷1720)	1376 (340÷2550)	2178 (390÷3000)
Average operating current (min÷max)	cooling	A	5.4 (1.2÷8.0)	5.8 (1.5÷9.0)	6.9 (1.5÷12.0)	10.5 (1.8÷12.6)
	heating	A	4.8 (1.5÷9.0)	4.4 (1.5÷10.0)	6.2 (1.6÷13.0)	10.0 (1.8÷13.4)
Air flow rate	indoor	m^3/h	550/520/490/450/ 410/370/330	550/520/490/450/ 410/370/330	800/760/690/630/ 580/540/440	1000/950/870/790/ 720/670/550
	outdoor	m^3/h	1700	1700	2600	3000
Removed moisture	indoor	L/h	1,0	1,2	1,8	2,4
Operating temp. cooling/heating*	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷53/-20÷30	-15÷53/-20÷30	-15÷53/-20÷30	-15÷53/-20÷30
Sound pressure level	indoor	dB(A)	42/38/36/32/30/26/22	42/38/36/32/30/26/22	47/43/40/37/34/31/27	48/46/44/41/39/36/30
	outdoor	dB(A)	54	54	55	57
Net dimensions w/h/d	indoor	mm	778×272×192	778×272×192	910×305×195	1005×321.5×220
	outdoor	mm	712×459×276	712×459×276	853×602×349	920×699×380
Transport dimensions w/h/d	indoor	mm	840×335×255	840×335×255	979×380×265	1096×390×297
	outdoor	mm	765×481×310	765×481×310	890×628×385	949×732×392
Net weight	indoor	kg	7,3	7,3	9	11
	outdoor	kg	20	20	30	38
Transport weight	indoor	kg	9,5	9,5	11	13
	outdoor	kg	22	22	32,5	40,5
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/9,52	6,35/9,52	6,35/12,7
Maximum installation length		m	25	25	25	25
Maximum height difference		m	10	10	10	10
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 x mm^2	3x1,5	3x1,5	3x2,5	3x2,5
Control lines	ind. - outd.	of wires x mm^2	4x1,5	4x1,5	4x1,5	4x1,5
Additional amount of refrigerat	up to 5 rm	kg	0,52	0,52	0,78	1,14
Additional amount of refrigerant	over 5 rm	g/m	15	15	25	25

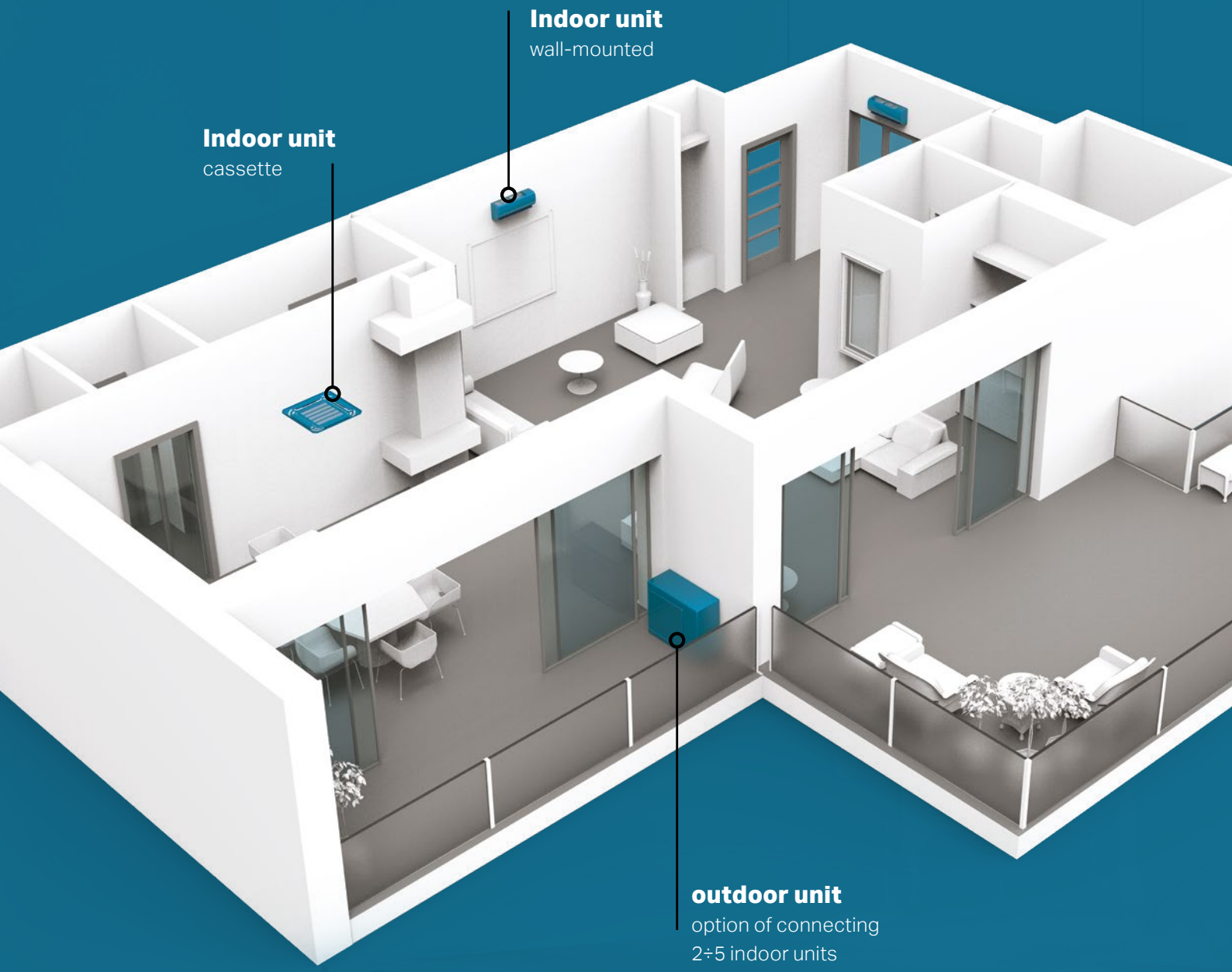
Controllers

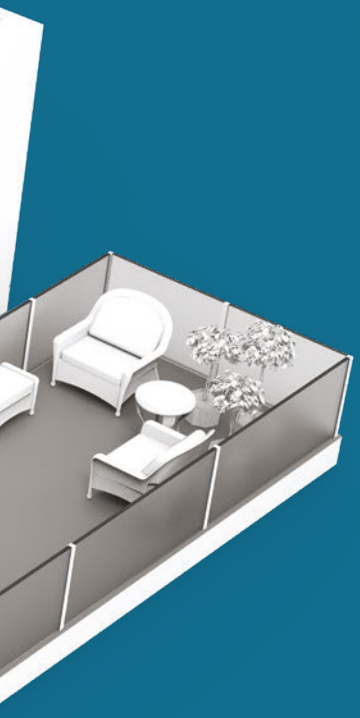
WIRELESS REMOTE CONTROL

85T

WIRED REMOTE CONTROL

WRCT01
(OPTIONAL)


Indoor unit
wall-mounted
Indoor unit
cassette
outdoor unit
option of connecting
2÷5 indoor units



Multi split systems

Multi Split air conditioners are extremely energy-efficient units. The system allows the connection from 2 to 5 Fly, One+ or Ice wall units, kompakt cassette, console or duct units to one (external) unit.

Each of the indoor units operates individually, has the option of independently adjusting the temperature and adjusting the power to the users' needs. When buying a Multi Split air conditioner, it is important to select the cooling capacity needed for each room in which the wall or cassette air conditioner will be placed.

The selected units are installed in the rooms and at the very end, each of the air conditioners is connected to a pre-installed single large unit (outdoor unit). This way, there is no need to install an indoor and an outdoor unit for each room.

Indoor units

KWX 09 I 12 I 18 I 24 KRHI

WI-FI AS A STANDARD

MODEL			KWX-09KRHI	KWX-12KRHI	KWX-18KRHI	KWX-24KRHI
Power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Capacity	cooling	kW	2,6	3,5	5,3	7,0
	heating	kW	2,9	3,8	5,6	7,3
Air flow rate		m^3/h	435/333/259	530/430/310	840/680/540	980/817/662
Sound pressure level	(high/medium/low)	dB(A)	37/32/25/21,5	39,5/35,5/25/21.5	42,5/36/26/20	45/40,5/36/30
Dimensions w/h/d	net	mm	715/285/194	805/285/194	957/302/213	1040/327/220
	transport	mm	780/365/270	870/365/270	1035/385/295	1120/405/315
Weight	net	kg	6,7	7,3	10,0	12,3
	transport	kg	8,8	9,5	13,0	15,8
Pipe diameter	liquid	mm	6,35	6,35	6,35	9,52
	gas	mm	9,52	9,52	12,70	15,90

KLW 09 | 12 | 18 | 24 HRHI / KLB 09 | 12 | 18 | 24 HRHI

WI-FI AS A STANDARD

MODEL			KLW-09HRHI KLB-09HRHI	KLW-12HRHI KLB-12HRHI	KLW-18HRHI KLB-18HRHI	KLW-24HRHI KLB-24HRHI
Power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Capacity	cooling	kW	2,6	3,5	5,3	7,0
	heating	kW	2,9	3,8	5,6	7,3
Air flow rate		m^3/h	510/360/300	520/370/310	800/600/500	1090/770/610
Sound pressure level	(high/medium/low)	dB(A)	37/31/22/19	39/33/22/21	41/37/31/20	46/37/34.5/21
Dimensions w/h/d	net	mm	835x295x208	835x295x208	969x320x241	1083x336x244
	transport	mm	905x355x290	905x355x290	1045x405x315	1155x415x315
Weight	net	kg	8,7	8,7	11,2	13,6
	transport	kg	11,5	11,5	14,6	17,3
Pipe diameter	liquid	mm	6,35	6,35	6,35	6,35
	gas	mm	9,52	9,52	12,7	15,9

KGE-09 | 12 | 18 | 24 GRHI

WI-FI AS A STANDARD

MODEL			KGE-09GRHI	KGE-12GRHI	KGE-18GRHI	KGE-24GRHI
Power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Capacity	cooling	kW	2,6	3,5	5,3	7,0
	heating	kW	2,9	3,8	5,6	7,3
Air flow rate		m^3/h	483/362/303	584/477/395	730/500/420	1020/830/640
Sound pressure level	(high/medium/low)	dB(A)	36,5/29,0/24,0	39,5/33/25	43/33,5/28	47/41,5/30,5
Dimensions w/h/d	net	mm	802/297/189	802/297/189	965/319/215	1080/335/226
	transport	mm	875/380/285	875/380/285	1045/410/305	1155/415/320
Weight	net	kg	8,6	8,6	10,9	13,7
	transport	kg	11,1	11,1	14,2	17,3
Pipe diameter	liquid	mm	6,35	6,35	6,35	9,52
	gas	mm	9,52	9,52	12,70	15,90

KTI-18HWG32X

KFAU-12 | 17 HRG32X

MODEL			KTI-18HWG32X
Power supply		V/Hz/Ph	220÷240/50/1
Capacity	cooling	kW	5,3
	heating	kW	5,6
Air flow rate		m^3/h	911/706/515
Sound pressure level	(high/medium/low)	dB(A)	41/38/34/26
Available compression ratio	factory / max.	Pa	25/100
Dimensions w/h/d	net	mm	880/210/674
	transport	mm	1070/280/725
Weight	net	kg	24,4
	transport	kg	29,6
Pipe diameter	liquid	mm	6,35
	gas	mm	12,70

MODEL	KFAU-12HRG32X	KFAU-17HRG32X
	220÷240/50/1	220÷240/50/1
	3,5	5,0
	3,8	5,3
	650/580/490	780/690/600
	37/34/27	41/38/32
	794/621/206	794/621/206
	865/719/280	865/719/280
	14,9	14,9
	18,8	18,8
	6,35	6,35
	9,52	12,7

KCA4U-09 | 12 | 18 HRG32X

MODEL			KCA4U-09HRG32X	KCA4U-12HRG32X	KCA4U-18HRG32X
Power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1
Capacity	cooling	kW	2,6	3,5	5,3
	heating	kW	2,8	3,8	5,6
Air flow rate		m^3/h	500/460/400	620/520/330	660/540/300
Sound pressure level	(high/medium/low)	dB(A)	37/35,5/33,0	42/38,5/31,5/25,5	44/41/31,5/25
Dimensions w/h/d	net	mm	570/245/570	570/245/570	570/245/570
	transport	mm	715/295/640	715/295/640	715/295/640
Dimensions w/h/dpanel	net	mm	620/50/620	620/50/620	647/50/647
	transport	mm	715/115/700	715/115/700	715/115/700
Weight	net	kg	14,6/2,7	16,1/2,7	16,2/2,7
	transport	kg	17,5/4,3	18,8/4,3	19/4,3
Pipe diameter	liquid	mm	6,35	6,35	6,35
	gas	mm	9,52	9,52	12,70

MODEL	KWX	KLW	KLB	KGE	KNP	KRW	KRB	KEV	KFS	KFAU	KCA4U	KCD	KTI	KUE
suitable for use in multi-split systems	x	x	x	x						x	x		x*	

*only for KTI-18HWH32X model

Outdoor units

MODEL	outdoor unit		K20E-18HFN32H	K30A-27HFN32H	K40E-28HFN32H	K40B-36HFN32H	K50E-42HFN32H
Capacity average (min÷max)	cooling	kW	5,3(2,3÷5,7)	7,9(3,2÷8,2)	8,2(2,0÷9.8)	10,6(2,0÷12,7)	12,3(3,0÷12,3)
	heating	kW	5,6(2,4÷5,7)	8,2(2,3÷8,5)	8,8(2,4÷10,6)	10,8(2,3÷13,0)	12,3(3,5÷12,3)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A	A++/A	A++/A
SEER	average	W/W	6,1	6,1	6,1	6,2	6,1
SCOP	average	W/W	3,8	4,0	3,8	3,8	3,5
Average power consumption (min÷max)	cooling	W	1635(690÷2000)	2450(290÷3100)	2540(890÷3180)	3270(1140÷4090)	3810(280÷4650)
	heating	W	1500(600÷1780)	2210(370÷2900)	2200(770÷2750)	2760(970÷3450)	3300(650÷3800)
Average operating current (min÷max)	cooling	A	7.3(3.2÷9.0)	11.2(2.0÷13.5)	11.3(3.9÷14.1)	14.3(5.1÷18.2)	16(1.4÷20.7)
	heating	A	6.6(2.80÷7.95)	10.1(2.4÷13)	9.8(3.4÷12.2)	12.1(4.3÷15.3)	14.6(3.0÷16.6)
Air flow rate		m^3/h	2100	3000	3800	4000	3850
Operating temperature cooling/heating		℃	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level		dB(A)	54	58	61.5	63	64
Net dimensions w/h/d		mm	805/554/330	890/673/342	946/810/410	946/810/410	946/810/410
Transport dimensions w/h/d		mm	915/615/370	1030/750/438	1090/875/500	1090/875/500	1090/875/500
Net weight		kg	35,0	48,0	62,1	68,8	74,1
Transport weight		kg	38	51,8	67,7	75,6	79,5
Pipe diameter: liquid/gas		mm	2x 6,35/9,52	3x 6,35/9,52	3x 6,35/9,52 + 1x 6,35/12,7	3x 6,35/9,52 + 1x 6,35/12,7	4x 6,35/9,52 + 1x 6,35/12,7
Maximum installation length		m	40	60	80	80	80
Max. installation length for 1 indoor unit		m	25	30	35	35	35
Maximum height difference		m	15	15	15	15	15
Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Circuit breaker/fuse		A	16	20	25	25	25
Power supply lines		# of wires x mm^2	3x2,5	3x2,5	3x4,0	3x4,0	3x4,0
Control lines			4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant		kg	1,25	1,85	2,10	2,10	2,90
Additional amount of refrigerant		g/m	12 (powyżej 15 m instalacji)	12 (powyżej 22,5 m instalacji)	12 (powyżej 30 m instalacji)	12 (powyżej 30 m instalacji)	12 (powyżej 37,5 m instalacji)

Indoor units
Configuration table

The table shows possible options for connecting indoor units of different capacities to outdoor units. The figures in the table correspond to the capacity of the units expressed in thousands of BTU/h.

K2OE-18HFN32H

1 UNIT	2 UNITS
9	9+9
12	9+12
18	12+12

K3OA-27HFN32H

1 UNIT	2 UNITS		3 UNITS	
9	9+9	12+12	9+9+9	12+12+12
12	9+12	12+18	9+9+12	
18	9+18		9+12+12	

K4OE-28HFN32H

1 UNIT	2 UNITS		3 UNITS		4 UNITS
9	9+9	12+12	9+9+9	9+12+12	9+9+9+9
12	9+12	12+18	9+9+12		
18	9+18	18+18	9+9+18		
24	9+24	12+24	12+12+12		

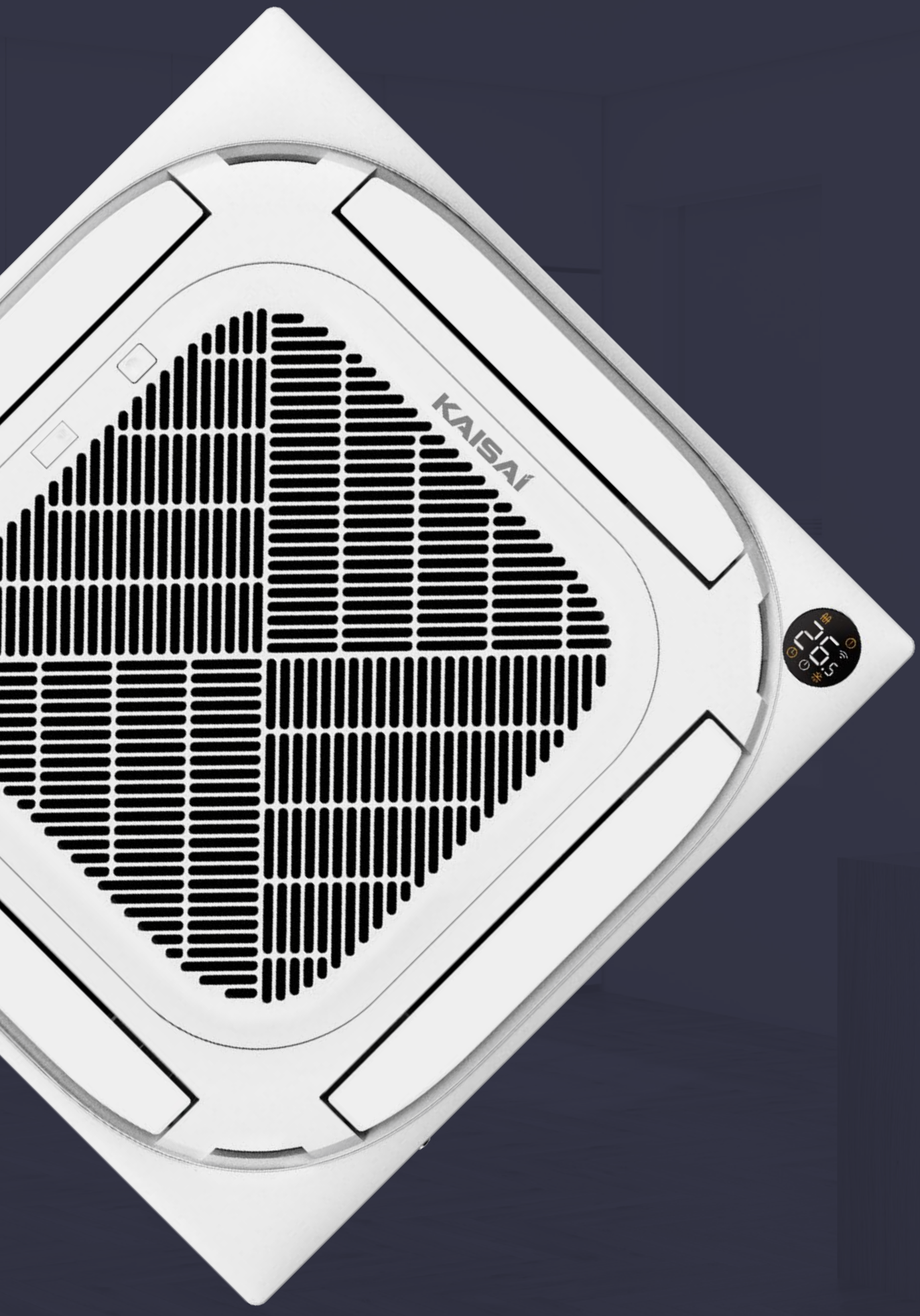
K4OB-36HFN32H

1 UNIT	2 UNITS		3 UNITS		4 UNITS
9	9+9	12+24	9+9+9	9+18+18	9+9+9+9
12	9+12	24+9	9+9+12	9+12+24	9+9+9+12
18	9+18		9+9+18	12+12+12	9+9+9+18
24	12+12		9+9+24	12+12+18	9+9+12+12
	12+18		9+12+12		9+12+12+12
	18+18		9+12+18		12+12+12+12

K5OE-42HFN32H

1 UNIT	2 UNITS		3 UNITS		
9	9+9	12+12	9+9+9	9+12+12	12+12+12
12	9+12	12+18	9+9+12	9+12+18	12+12+18
18	9+18	12+24	9+9+18	9+12+24	12+12+24
24	9+24	18+18	9+9+24	9+18+18	12+18+18

4 UNITS			5 UNITS
9+9+9+9	9+9+12+18	12+12+12+18	9+9+9+9+9
9+9+9+12	9+9+18+24		9+9+9+9+12
9+9+9+18	9+12+12+12		9+9+9+9+18
9+9+9+24	9+12+12+18		9+9+9+12+12
9+9+12+12	12+12+12+12		9+9+12+12+12


KAISAI

Commercial air conditioners

Commercial air conditioning systems combine efficient operation with a wide range of solutions for offices, conference rooms, hotels and other rooms that require efficient air conditioning.

Depending on the area and purpose of the facility, as well as the installation possibilities, we can apply floor, floor/ceiling, cassette, duct, or condensing units.


ANCIENT ART
MODERN ART

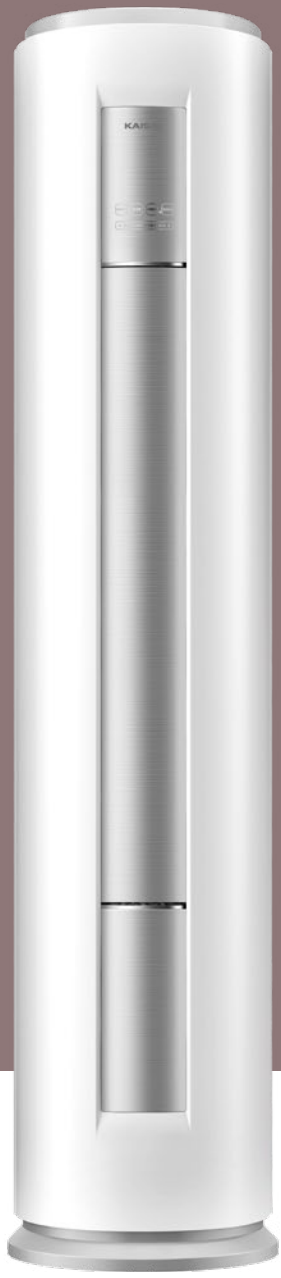
KFS-24HRG32X

kfs-24

The new floor standing air conditioner model is ideal for rooms of 60-70 m², such as offices, lounges or conference rooms.

In addition to traditional control via a wireless remote control, the KFS-24 air conditioner also offers a modern touch panel built into the unit. This makes use even more convenient and intuitive, allowing quick and precise control of various functions and parameter settings. The VLED display adds style to the panel and makes the digits easy to read from any angle. Thanks to the extended and widened air outlet, the air conditioner provides even cooling throughout the room for exceptional thermal comfort.

A++ | R32



Features of **Kaisai KFS**

- Wide temperature range
- 3D air supply
- Automatic blinds (swing)
- Refrigerant leakage indication
- Cold air control
- Remote control temperature sensor
- Sleep function
- Timer
- Automatic restart
- Self-diagnosis
- Electronic expansion valve
- Operation at low outside temperatures

OPTIONAL

- Silver ion filter
- Vitamin C filter
- 3M filter

Technical specification

MODEL	**indoor unit**		**KFS-24HRG32X**
	outdoor unit		**KOX430L-24HFN32X**
Capacity average (min÷max)	cooling	kW	7,0 (2,3-7,9)
	heating	kW	7,6 (3,6-8,6)
Energy class	cooling/heating		A++ / A+
SEER	average	W/W	6,3
SCOP	average	W/W	4,1
Average power consumption (min÷max)	cooling	W	2200 (570~2800)
	heating	W	2180 (700~2745)
Average operating current (min÷max)	cooling	A	9.8 (2.5~12.4)
	heating	A	9.7 (3.10~12.2)
Air flow rate	indoor	m^3/h	1050/800/670
	outdoor	m^3/h	3500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30
	outdoor	°C	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	45/40/37/32
	outdoor	dB(A)	59,5
Net dimensions w/h/d	indoor	mm	405x405x1775
	outdoor	mm	490x510x2000
Transport dimensions w/h/d	indoor	mm	29,1
	outdoor	mm	38,3
Net weight	indoor	kg	890x342x673
	outdoor	kg	995x398x740
Transport weight	indoor	kg	43,8
	outdoor	kg	46,8
Pipe diameter: liquid/gas		mm	6,35/12,7
Maximum installation length		m	50
Maximum height difference		m	25
Power supply	outdoor		220-240, 50, 1
Circuit breaker/fuse	outdoor	A	20
Power supply lines	outdoor	# of wires x mm^2	3x2,5
Control lines	ind. - outd.		4x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,13
Additional amount of refrigerant	over 5 rm	g/m	12

Controllers

WIRELESS
REMOTE CONTROL

RG10B


KAISAI

KFS-48HRG32X

kfs-48

The floor air conditioner is used in large rooms, such as stores, showrooms, restaurants and airport halls.

The KFS air conditioner is distinguished by an elegant and intuitive control panel, a functional wireless remote control with temperature sensor and energy saving technology, allowing the unit to operate in economy mode.The comfort of use is ensured by practical functions of the air conditioner, such as: 3D airflow for uniform temperature distribution in the room and the temperature sensor built in the remote control (thanks to which the temperature is measured where the user is located, and the operation of the air conditioner is adjusted to the actual conditions in the room). The device can be used in rooms of up to approx. 120-140 m2.

A++ | R32

Features of **Kaisai KFS**

- Wide temperature range
- 3D air supply
- Automatic blinds (swing)
- Refrigerant leakage indication
- Cold air control
- Remote control temperature sensor
- Sleep function
- Timer
- Automatic restart
- Self-diagnosis
- Electronic expansion valve
- Operation at low outside temperatures

OPTIONAL
- Silver ion filter
- Vitamin C filter
- 3M filter

Technical specification

MODEL	**indoor unit**		**KFS-48HRG32X**
	outdoor unit		**KOE30U-48HFN32X**
Capacity average (min÷max)	cooling	kW	14,1(3,5÷15,7)
	heating	kW	16,1(4,1÷17,9)
Energy class	cooling/heating		A++/A+
SEER	average	W/W	6,1
SCOP	average	W/W	4
Average power consumption (min÷max)	cooling	W	4950(900÷5950)
	heating	W	5100(1000÷6200)
Average operating current (min÷max)	cooling	A	8,0(1.9÷10.3)
	heating	A	8,5(1,6÷10.5)
Air flow rate	indoor	m^3/h	2413/2222/2027
	outdoor	m^3/h	7500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30
	outdoor	°C	-15+50/-15+24
Sound pressure level	indoor	dB(A)	53/49/47
	outdoor	dB(A)	63,5
Net dimensions w/h/d	indoor	mm	629/1935/456
	outdoor	mm	952/1333/415
Transport dimensions w/h/d	indoor	mm	750/2055/575
	outdoor	mm	1095/1480/495
Net weight	indoor	kg	59,0
	outdoor	kg	103,7
Transport weight	indoor	kg	77,0
	outdoor	kg	118,3
Pipe diameter: liquid/gas		mm	9,52/15,9
Maximum installation length		m	75
Maximum height difference		m	30
Power supply	outdoor		380-420/50/3
Circuit breaker/fuse	outdoor	A	16
Power supply lines	outdoor	# of wires x mm^2	5x2,5
Control lines	ind. - outd.		4 x 1,5
Factory amount of refrigerant	up to 5 rm	kg	2,9
Additional amount of refrigerant	over 5 rm	g/m	24
Outer diameter of condensate drain		mm	25

Controllers

WIRELESS
REMOTE CONTROL

RG10B


KAISAI

KUE 18 | 24 | 36 | 48 | 55 HRG32X

kue

Universal floor/ceiling air conditioners, which are perfect for rooms without false ceilings, among others.

They are characterised by a three-dimensional air flow thanks to the automatic control of the blinds. This ensures optimum air circulation and even temperature distribution. The timer allows you to set a time for the automatic activation and deactivation of the air conditioner. To minimise the feeling of unpleasant, cold air, the air conditioner starts in heating mode and automatically reduces the fan speed – until the heat exchanger heats up.

A++ | R32

Features of **Kaisai KUE**

- Blinds settings memory
- Turbo mode
- Double sided installation
- Refrigerant leakage indication
- Operation at low outside temperatures
- Remote control temperature sensor
- Compressor and condensate tray heaters
- Emergency use
- Timer
- Automatic restart
- 3D air supply
- Alarm port
- Electronic expansion valve
- Twin combination
- Fresh air
- On-off port
- Gear mode
- The Eco Mode
- Sleep function
- Heating function 8°C
- Self-cleaning evaporator
- Cold air control
- Quiet operation
- Smooth fan speed adjustment
- Built-in condensate pump

OPTIONAL

- Central controller
- Wi-Fi control
- Wired controller
- Silver ion filter
- Vitamin C filter
- 3M filter

Technical specification

MODEL	indoor unit		KUE-18HRG32X	KUE-24HRG32X	KUE-36HRG32X	KUE-36HRG32X	KUE-48HRG32X	KUE-55HRG32X
	outdoor unit		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	5,3 (2,7÷5,9)	7,0 (3,2÷7,8)	10,6 (2,7÷11,4)	10,6 (2,7÷11,8)	14,1 (3,5÷15.2)	15,8 (4,1÷16,7)
	heating	kW	5,6 (2,4÷6,3)	7,6 (2,7÷8,3)	11,7 (2,8÷12,8)	11,7 (2,8÷12,8)	16,1 (4,1÷17,0)	18,2 (4,4÷19,6)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,2	6,1	6,2	6,4	6,1	6,1
SCOP	average	W/W	4,0	4,0	4,0	4,1	4,0	4,0
Avg. power consumption (min÷max)	cooling	W	1450 (670÷2027)	2300 (747÷2930)	3900 (900÷4250)	40000 (890÷4300)	5000 (900÷5950)	5650 (1100÷6650)
	heating	W	1500 (540÷1640)	2050 (650÷2850)	3350 (800÷3950)	3350 (780÷3950)	5100 (1000÷6050)	6050 (1050÷7100)
Avg. operating current (min÷max)	cooling	A	6,0 (3,2÷9,0)	10,5 (3,9÷13,1)	17,0 (4,2÷19,0)	6,3 (1,4÷6,8)	8,8 (1,9÷10,3)	9,7 (3,2÷11,5)
	heating	A	6,6 (2,7÷7,3)	9,5 (3,5÷12,7)	15,0 (3,5÷17,5)	5,4 (1,3÷6,2)	8,9 (2,1÷10,5)	10,5 (2,2÷12,0)
Air flow rate	indoor	m^3/h	958/839/723	1192/1023/853	1955/1728/1504	1955/1728/1504	2100/1850/1600	2200/1950/1650
	outdoor	m^3/h	2200	3500	4000	4000	7500	7500
Operating temp. cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15+50/-15+24	-15+50/-15+24	-15÷50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level	indoor	dB(A)	43,5/41/36,5/24	49/46/43/32	50/48,5/44/37	50/48,5/44/37	53/50/45/36	54/50,5/46,5/38
	outdoor	dB(A)	56	60	63	63	63,5	64
Net dimensions w/h/d	indoor	mm	1068/675/235	1068/675/235	1650/675/235	1650/675/235	1650/675/235	1650/675/235
	outdoor	mm	805/554/330	890/673/342	946/810/410	946/810/410	952/1333/415	952/1333/415
Transp. dimensions w/h/d	indoor	mm	1145/755/318	1145/755/318	1725/755/318	1725/755/318	1725/755/318	1725/755/318
	outdoor	mm	915/615/370	995/740/398	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight	indoor	kg	28,0	28,0	41,5	41,5	41,7	42,3
	outdoor	kg	26,6	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	33,1	33,3	48,0	48,0	48,5	49,2
	outdoor	kg	29,0	46,9	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	6,35/12,7	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	30	50	75	75	75	75
Maximum height difference		m	20	25	30	30	30	30
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	16	20	25	16	16	16
Power supply lines	outdoor	# of wires x mm^2	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control lines	ind. - outd.		4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 rm	g/m	12	24	24	24	24	24
Outer diameter of condensate drain		mm	25	25	25	25	25	25

Controllers

WIRELESS REMOTE CONTROL

RG10A

WIRED REMOTE CONTROL

KJR-120N
(OPTIONAL)

WIRED REMOTE CONTROL

CCM
(OPTIONAL)


KAISAI

KFAU 12 I 17 HRG32X

console

The console air conditioner is a solution designed to be installed in the skirting area, leaving the wall space free.

Thanks to its design, which allows the air to flow both up and down, it can be used in rooms where it is not possible to install wall units: in attics, in rooms with sloping roofs and in recesses under windows. Thanks to the movable supply fins and their wide angle of inclination, the console provides efficient and effective air distribution throughout the room.

A++ | R32

Features of **Kaisai CONSOLE**

Blinds settings memory	Turbo mode	Double sided installation	Refrigerant leakage indication	Operation at low outside temperatures	Remote control temperature sensor	Compressor and condensate tray heaters	Emergency use	Timer	Automatic restart	3D air supply	Mono i multi	Electronic expansion valve

Gear mode	The Eco Mode	Sleep function	Heating function 8°C	Self-cleaning evaporator	Cold air control	Quiet operation	Smooth fan speed adjustment	OPTIONAL Wi-Fi control	OPTIONAL Silver ion filter	OPTIONAL Vitamin C filter	OPTIONAL 3M filter	

Technical specification

MODEL	**indoor unit**		**KFAU-12HRG32X**	**KFAU-17HRG32X**
	outdoor unit		**KOX230-12HFN32X**	**KOX330-18HFN32X**
Capacity average (min÷max)	cooling	kW	3,5(0,8÷4,2)	5,0(2,6÷5,6)
	heating	kW	3,8(0,4÷4,7)	5,3(2,2÷6,3)
Energy class	cooling/heating		A++/A+	A++/A+
SEER	average	W/W	7,3	6,7
SCOP	average	W/W	4,0	4,0
Average power consumption (min÷max)	cooling	W	1000(170÷1350)	1500(650÷1950)
	heating	W	980(150÷1300)	1420(600÷1900)
Average operating current (min÷max)	cooling	A	4,5(1,4÷5,9)	6,7(3,0÷8,7)
	heating	A	4,4(1,2÷6,0)	6,4(2,7÷8,5)
Air flow rate	indoor	m^3/h	650/580/490	780/690/600
	outdoor	m^3/h	2100	2200
Operating temperature cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	37/34/27	41/38/32
	outdoor	dB(A)	53,6	56,0
Net dimensions w/h/d	indoor	mm	794/621/206	794/621/206
	outdoor	mm	765/555/303	805/554/330
Transport dimensions w/h/d	indoor	mm	865/719/280	865/719/280
	outdoor	mm	887/610/337	915/615/370
Net weight	indoor	kg	14,9	14,9
	outdoor	kg	26,6	32,5
Transport weight	indoor	kg	18,8	18,8
	outdoor	kg	29,0	35,2
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/12,7
Maximum installation length		m	25	30
Maximum height difference		m	10	20
Power supply	outdoor		220-240/50/1	220-240/50/1
Circuit breaker/fuse	outdoor	A	16	16
Power supply lines	outdoor	# of wires x mm^2	3x2,5	3x2,5
Control lines	ind. - outd.		4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,72	1,15
Additional amount of refrigerant	over 5 rm	g/m	12	12
Outer diameter of condensate drain		mm	25	

Controllers

WIRELESS
REMOTE CONTROL

RG10A


KAISAI

KCA4U 12 I 18 HRG32X

kca

Cassette air conditioners are perfect for offices, conference rooms, or any other space requiring efficient air conditioning.

Compared to the previous Compact series of cassette air conditioners, the dimensions of the panel and indoor unit have been reduced. In addition, the panel was equipped with an elegant temperature display. The lift height of the condensate pump has been increased to 100 cm.

A++

R32

Features of **Kaisai KCA**

Blinds settings memory

Fresh air

360° air supply

Refrigerant leakage indication

Sleep function

Quiet operation

Emergency use

Timer

Automatic restart

Alarm port

Self-diagnosis

Electronic expansion valve

Operation at low outside temperatures

The Eco Mode

Turbo mode

Gear mode

Heating function 8°C

Built-in condensate pump

Remote control temperature sensor

Tempera-ture com-pensation

Twin combination

On-off port

Self-cleaning evaporator

Smooth fan speed adjustment

Cold air control

Compressor and condensate tray heaters

Function Vane

OPTIONAL Central controller

OPTIONAL Wi-Fi control

OPTIONAL Wired controller

Technical specification

MODEL	**indoor unit**		**KCA4U-12HRG32X**	**KCA4U-18HRG32X**
	outdoor unit		**KOX230-12HFN32X**	**KOX330-18HFN32X**
Capacity average (min÷max)	cooling	kW	3,5 (0,8÷4,1)	5,3 (2,9÷5,9)
	heating	kW	3,8 (0,5÷4,3)	5,6 (2,4÷6,3)
Energy class	cooling/heating		A++/A+	A++/A+
SEER	average	W/W	6,8	6,5
SCOP	average	W/W	4,1	4,1
Average power consumption (min÷max)	cooling	W	1015 (160÷1450)	1550 (720÷2040)
	heating	W	1020 (125÷1390)	1560 (700÷1950)
Average operating current (min÷max)	cooling	A	4.5 (1.3÷6.4)	6.9 (3.2÷9.0)
	heating	A	4.5 (1.1÷6.2)	6.8 (3.1÷8.6)
Air flow rate	indoor	m^3/h	620/520/330	660/540/300
	outdoor	m^3/h	2100	2200
Operating temperature cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	42/38.5/31.5/25.5	44/41/31.5/25
	outdoor	dB(A)	57	58
Net dimensions w/h/d	indoor	mm	570/245/570	570/245/570
	outdoor	mm	620/50/620	620/50/620
	panel	mm	765/555/303	805/554/330
Transport dimensions w/h/d	indoor	mm	715/295/640	715/295/640
	outdoor	mm	715/115/700	715/115/700
	panel	mm	887/610/337	915/615/370
Net weight	indoor	kg	16,1/2,7	16,2/2,7
	outdoor	kg	26,6	32,5
Transport weight	indoor	kg	18,8/4,3	19/4,3
	outdoor	kg	29,0	35,2
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/12,7
Maximum installation length		m	25	30
Maximum height difference		m	10	20
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	16	16
Power supply lines	outdoor	# of wires x mm^2	3x2,5	3x2,5
Control lines	ind. - outd.	# of wires x mm^2	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,72	1,15
Additional amount of refrigerant	over 5 rm	g/m	12	12
External diameter of condensate drain		mm	25	25

Controllers

WIRELESS REMOTE CONTROL

RG10N2

WIRED REMOTE CONTROL

KJR12B
(OPTIONAL)

WIRED REMOTE CONTROL

KJR-120N
(OPTIONAL)

WIRED REMOTE CONTROL

CCM
(OPTIONAL)

KCD 24 I 36 I 48 I 55 HRG32X

kcd

Air conditioners that are ideal for suspended ceilings with particularly limited technical space.

The air gap area has been increased by 23%, making the air conditioner quieter and more efficient. Compared to the previous model, the height of the condensate pump lift has also been increased to 100 cm and its placement outside the unit makes maintenance or potential replacement much easier. A new feature is the Wi-Fi port built into the air conditioner, allowing you to control the unit via an app on your phone or tablet.

A++

R32

Features of **Kaisai KCD**

- Blinds settings memory
- Fresh air
- 360° air supply
- Refrigerant leakage indication
- Sleep function
- Cold air control
- Emergency use
- Timer
- Automatic restart
- Alarm port
- Self-diagnosis
- Operation at low outside temperatures
- Twin combination
- Turbo mode
- Gear mode
- The Eco Mode
- On-off port
- Quiet operation
- Temperature compensation
- Remote control temperature sensor
- Built-in condensate pump
- Self-cleaning evaporator
- Smooth fan speed adjustment
- Compressor and condensate tray heaters
- Heating function 8°C
- Wi-Fi control
- Function Vane
- Breeze Away function
- Electronic expansion valve
- Central controller (OPTIONAL)
- Wired controller (OPTIONAL)

Technical specification

MODEL	indoor unit		KCD-24HRG32X	KCD-36HRG32X	KCD-36HRG32X	KCD-48HRG32X	KCD-55HRG32X
	outdoor unit		KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	7,0(3,3÷7,9)	10,6(2,7÷11,4)	10,6(2,7÷11,4)	14,1(3,5÷15,8)	15,2(4,1÷16,7)
	heating	kW	7, 6(2,8÷8,9)	11,1(2,8÷12,0)	11,1(2,8÷12,7)	16,1(4,1÷17,3)	18,2(4,4÷19,9)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,2	6,7	6,4	6,1	6,3
SCOP	average	W/W	4,0	4,0	4,0	4,0	4,0
Average power consumption (min÷max)	cooling	W	2320 (780÷2748)	3950 (900÷4200)	4000 (890÷4150)	4650 (800÷5900)	5000 (980÷6200)
	heating	W	1900 (610÷2700)	3000 (800÷3950)	3000 (780÷4000)	4580 (900÷5500)	5550 (1020÷6700)
Average operating current (min÷max)	cooling	A	10,2(4,2÷12,0)	17,5 (4,2÷18,5)	6,5 (1,4÷6,5)	8,1 (1,8÷10,2)	8,6 (2,1÷10.7)
	heating	A	8,5 (3,6÷12,1)	13,5 (3,5÷17,5)	5,0 (1,3÷6,4)	8,0 (1,9÷9,5)	9,6 (2,1÷10,7)
Air flow rate	indoor	m^3/h	1300/1140/1000	1700/1550/1380	1800/1600/1400	1970/1780/1580	2000/1850/1650
	outdoor	m^3/h	3500	4000	4000	7500	7500
Operating temp. cooling/heating	indoor	℃	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30
	outdoor	℃	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level	indoor	dB(A)	45,5/42,5/39,5/27	50/47,5/44,5/39	50/47,5/44,5/39	51/48,5/46,5/37,5	53/50,5/48/40
	outdoor	dB(A)	60	63	63	63,5	64
Net dimensions w/h/d	indoor	mm	830/205/830	830/245/830	830/245/830	830/287/830	830/287/830
	outdoor	mm	950/55/950	950/55/950	950/55/950	950/55/950	950/55/950
	panel	mm	890/673/342	946/810/410	946/810/410	952/1333/415	952/1333/415
Transport dimensions w/h/d	indoor	mm	910/250/910	910/290/910	910/290/910	910/330/910	910/330/910
	outdoor	mm	1035/90/1035	1035/90/1035	1035/90/1035	1035/90/1035	1035/90/1035
	panel	mm	995/740/398	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight	indoor	kg	21,6/6,0	27,2/6,0	27,2/6,0	29,3/6,0	29,3 /6,0
	outdoor	kg	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	25,4/9,0	31,2/9,0	31,2/9,0	33,5/9,0	33,5/9,0
	outdoor	kg	46,9	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	50	75	75	75	75
Maximum height difference		m	25	30	30	30	30
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	20	25	16	16	16
Power supply lines	outdoor	# of wires x mm^2	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control lines	ind. - outd.		4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,5	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 rm	g/m	24	24	24	24	24
External diameter of condensate drain		mm	25	25	25	25	25

Controllers

WIRELESS REMOTE CONTROL

RG10N2

WIRED REMOTE CONTROL

KJR-120N
(OPCJA)

WIRED REMOTE CONTROL

CCM
(OPCJA)

KTI 18 I 24 I 36 I 48 I 55 HWG32X

kti

Duct air conditioners are used in buildings with large areas. Their advantage lies in the ability to freely distribute air through the ducts and air intakes in the entire false ceiling space.

Slim series duct air conditioners are characterised by a high external static pressure – 160 Pa, while maintaining a low level of noise. The unit has a lower height than a standard duct unit, making it possible to install it in a small suspended ceiling space. The air conditioner automatically adjusts the static pressure and maintains a constant airflow.

A++ | R32

Features of **Kaisai KTI**

- Double sided installation
- Refrigerant leakage indication
- Operation at low outside temperatures
- Remote control temperature sensor
- Emergency use
- Timer
- Automatic restart
- Alarm port
- Self-diagnosis
- Cold air control
- Electronic expansion valve

- Twin combination
- Fresh air
- On-off port
- Temperature compensation
- Built-in condensate pump
- Compressor and condensate tray heaters
- Wi-Fi control
- OPTIONAL Central controller

Technical specification

MODEL	indoor unit		KTI-18HWH32X	KTI-24HWH32X	KTI-36HWH32X	KTI-36HWH32X	KTI-48HWH32X	KTI-55HWH32X
	outdoor unit		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	5,3 (2,6÷5,9)	7,0 (3,3÷8,2)	10,6 (2,8÷11,1)	10,6 (2,7÷11,8)	14,1 (3,5÷15,5)	15,2 (4,1÷17,3)
	heating	kW	5,6 (2,2÷6,2)	7,6 (2,8÷8,5)	11,7 (2,8÷12,8)	11,7 (2,8÷12,8)	16,1 (4,1÷18,2)	18,2 (4,4÷20,5)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,5	6,2	6,2	6,1	6,1	6,1
SCOP	average	W/W	4,0	4,0	4,0	4,0	4,0	4,0
Avg. power consumption (min÷max)	cooling	W	1530 (710÷2150)	2190 (750÷2960)	3950 (900÷4150)	4000 (890÷4200)	4800 (880÷6000)	5250 (1030÷6650)
	heating	W	1510 (740÷1760)	1900 (640÷2580)	3250 (800÷3950)	3250 (780÷4000)	4500 (950÷5700)	5150 (950÷6600)
Avg. operating current (min÷max)	cooling	A	7,1 (3,2÷9,6)	10,2 (4,2÷13,2)	17,5 (4,2÷18,5)	6,5 (1,4÷6,7)	8,4 (1,9÷10,4)	9,6 (3,1÷11,5)
	heating	A	6,8 (3,3÷7,7)	9,2 (3,8÷11,6)	14,5 (3,5÷17,5)	5,3 (1,3÷6,4)	8,0 (2,0÷9,8)	9,5 (2,0÷11,5)
Air flow rate	cooling	m^3/h	911/706/515	1229/1035/825	2100/1800/1500	2100/1800/1500	2400/2040/1680	2600/2210/1820
	heating	m^3/h	2200	3500	4000	4000	7500	7500
Available compression ratio		Pa	25/100	25/160	37/160	37/160	50/160	50/160
Operating temp. cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level	indoor	dB(A)	41/38/34/26	42/40/37/27	49,5/48/46/42	49,5/48/46/42	50/49/47/42	52,5/49/47/42
	outdoor	dB(A)	56	60	63	63	63,5	64
Net dimensions w/h/d	indoor	mm	880/210/674	1100/249/774	1360/249/774	1360/249/774	1200/300/874	1200/300/874
	outdoor	mm	805/554/330	890/673/342	946/810/410	946/810/410	952/1333/415	952/1333/415
Transp. dimensions w/h/d	indoor	mm	1070/280/725	1305/315/805	1570/330/805	1570/330/805	1405/365/915	1405/365/915
	outdoor	mm	915/615/370	995/740/398	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight	indoor	kg	24,4	32,3	40,5	40,5	47,4	47,6
	outdoor	kg	26,6	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	29,6	39,1	48,2	48,2	55,8	56,1
	outdoor	kg	29,0	46,9	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	6,35/12,7	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	30	50	75	75	75	75
Maximum height difference		m	20	25	30	30	30	30
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	16	20	25	16	16	16
Power supply lines	outdoor	# of wires x mm^2	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control lines	ind. - outd.		4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 rm	g/m	12	24	24	24	24	24
Outer diameter of condensate drain		mm	25	25	25	25	25	25

Controllers

WIRED REMOTE CONTROL

KJR-120N

WIRELESS REMOTE CONTROL

RG10A
(OPTIONAL)

WIRED REMOTE CONTROL

KJR12B
(OPTIONAL)

WIRED REMOTE CONTROL

CCM
(OPTIONAL)


KAISAI

condensing units

Inverter condensing units are equipped with a control module, which enables connection of a universal outdoor unit to the freon exchanger in the air handling unit.

This solution makes it possible to control the capacity of the condensing unit by means of a 0-10 V signal sent from the automation of the air handling unit. Both cooling and heating operation is possible. The units have built-in expansion valves, so no additional refrigeration fittings are required. Kaisai condensing units can only be used with air-handling units equipped with safety features due to the flammable properties of the R32 refrigerant.

Technical specification

MODEL			KOX230-12HFN32X	KOX330-18HFN32X	KOX430-24HFN32X
Capacity average (min÷max)	cooling	kW	3,5(0,8÷4,1)	5,3(2,7÷5,9)	7,0(3,2÷7,8)
	heating	kW	3,8(0,5÷4,3)	5,6(2,4÷6,3)	7,6(2.7÷8,3)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+
SEER	średni	W/W	6,6	6,2	6,1
SCOP	średni	W/W	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	1010(168÷1434)	1450(670÷2027)	2300(747÷2930)
	heating	W	1019(124÷1376)	1500(540÷1640)	2050(650÷2850)
Average operating current (min÷max)	cooling	A	4,4(1,3÷6,3)	6,0(3,2÷9,0)	10,5(3,9÷13,1)
	heating	A	4,7(1,0÷6,1)	6,6(2,7÷7,3)	9,5(3,5÷12,7)
Air flow rate		m^3/h	2100	2200	3500
Operating temperature	cooling	°C	-15÷50/-15÷24	-15+50/-15+24	-15+50/-15+24
Sound pressure level		dB(A)	53,6	56	60
Net dimensions w/h/d		mm	765/555/303	805/554/330	890/673/342
Transport dimensions w/h/d		mm	887/610/337	915/615/370	995/740/398
Net weight		kg	26,6	26,6	43,9
Transport weight		kg	29,0	29,0	46,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/12,7	9,52/15,9
Maximum installation length		m	25	30	50
Maximum height difference		m	10	20	25
Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1
Circuit breaker/fuse		A	16	16	20
Power supply lines		# of wires x mm^2	3x2,5	3x2,5	3x2,5
Control lines			4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,72	1,15	1,5
Additional amount of refrigerant	over 5 rm	g/m	12	12	24

Technical specification

MODEL			KOD30U--36HFJ32X	KOD30U--36HFN32X	KOE30U--48HFN32X	KOE30U--55HFN32X
Capacity average (min÷max)	cooling	kW	10,6(2,7÷11,4)	10,6(2,7÷11,8)	14,1(3,5÷15.2)	15,8(4,1÷16,7)
	heating	kW	11,7(2,8÷12,8)	11,7(2,8÷12,8)	16,1(4,1÷17,0)	18,2(4,4÷19,6)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	średni	W/W	6,2	6,4	6,1	6,1
SCOP	średni	W/W	4,0	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	3900(900÷4250)	40000(890÷4300)	5000(900÷5950)	5650(1100÷6650)
	heating	W	3350(800÷3950)	3350(780÷3950)	5100(1000÷6050)	6050(1050÷7100)
Average operating current (min÷max)	cooling	A	17,0(4,2÷19,0)	6,3(1,4÷6,8)	8,8(1,9÷10,3)	9,7(3,2÷11,5)
	heating	A	15,0(3,5÷17,5)	5,4(1,3÷6,2)	8,9(2,1÷10,5)	10,5(2,2÷12,0)
Air flow rate		m^3/h	4000	4000	7500	7500
Operating temperature	cooling	°C	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level		dB(A)	63	63	63,5	64
Net dimensions w/h/d		mm	946/810/410	946/810/410	952/1333/415	952/1333/415
Transport dimensions w/h/d		mm	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight		kg	66,9	80,5	103,7	107,0
Transport weight		kg	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	75	75	75	75
Maximum height difference		m	30	30	30	30
Power supply		V/Hz/Ph	220-240/50/1	380-420/50/3	380-420/50/3	380-420/50/3
Circuit breaker/fuse		A	25	16	16	16
Power supply lines		# of wires x mm^2	3x4,0	5x2,5	5x2,5	5x2,5
Control lines			4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 rm	g/m	24	24	24	24

Generator types and controllers

KOX230-12HFN32X
KOX330-18HFN32X
KOX430-24HFN32X
KOD30U-36HFJ32X
KOD30U-36HFN32X

KOE30U 48 I 55 HFN32X

Control Module
KMS-8142

Everything is always under control

CONTROLLERS

WIRELESS
REMOTE CONTROL

RG10A4

Controller dedicated for wall-mounted air conditioners

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Remote control temperature sensor | Automatic blinds | Air direction | Turbo | Self-cleaning of evaporator | Sustained heating at 8°C | Eco

WIRED
CONTROLLER

WRCT01

Optional controller for wall-mounted air conditioners from the PRO HEAT + and EVO series.

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Programmer

WIRED
CONTROLLER

KJR12B

Optional controller for wall-mounted and compact cassette air conditioners.

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Temperature sensor in remote control | Auto blinds

WIRELESS
REMOTE CONTROL

RG10B, RG10B1

Controller dedicated for wall and floor mounted air conditioners

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Remote control temperature sensor | Automatic blinds | Air direction | Turbo | Self-cleaning of evaporator | Sustained heating at 8°C | Eco

WIRELESS
REMOTE CONTROL

RG10N2

Controller dedicated for super slim cassette air conditioners.

Basic functions: On/Off | Operating mode | Air temperature | Fan speed | Timer | VANE function | Clock | ECO function | GEAR function | Breeze away function | Temperature sensor on remote control

WIRELESS
REMOTE CONTROL

RG10A,RG10A1

Controller dedicated for compact cassette, floor/ceiling, console and wall-mounted air conditioners from ICE and PROHEAT series.

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Remote control temperature sensor | Automatic blinds | Air direction | ECO | Ioniser | Sustained heating at 8°C

WIRELESS
REMOTE CONTROL

85T

Controller dedicated to wall-mounted air conditioners of the PRO HEAT + and EVO series.

Basic functions: On/Off | Operating mode | Air temperature | Fan speed | Timer | Turbo | Clock/Function | Funkcja stałego grzania 8°C

WIRELESS
CONTROLLER

KJR-120N

Standard controller for duct air conditioners and optional controller for ICE, PRO HEAT wall, cassette and floor/ceiling air conditioners.

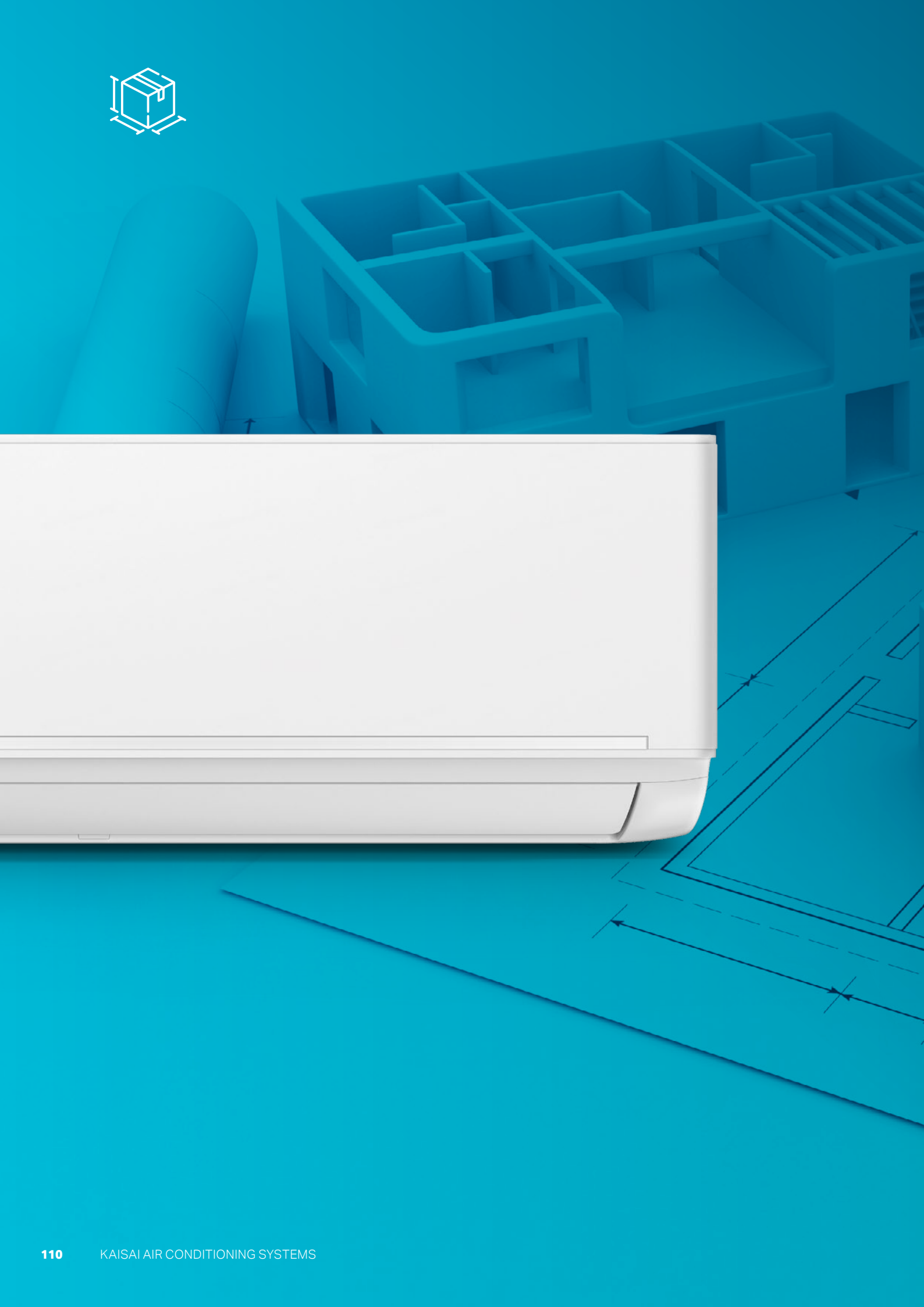
Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Weekly programmer / Temperature sensor in remote control

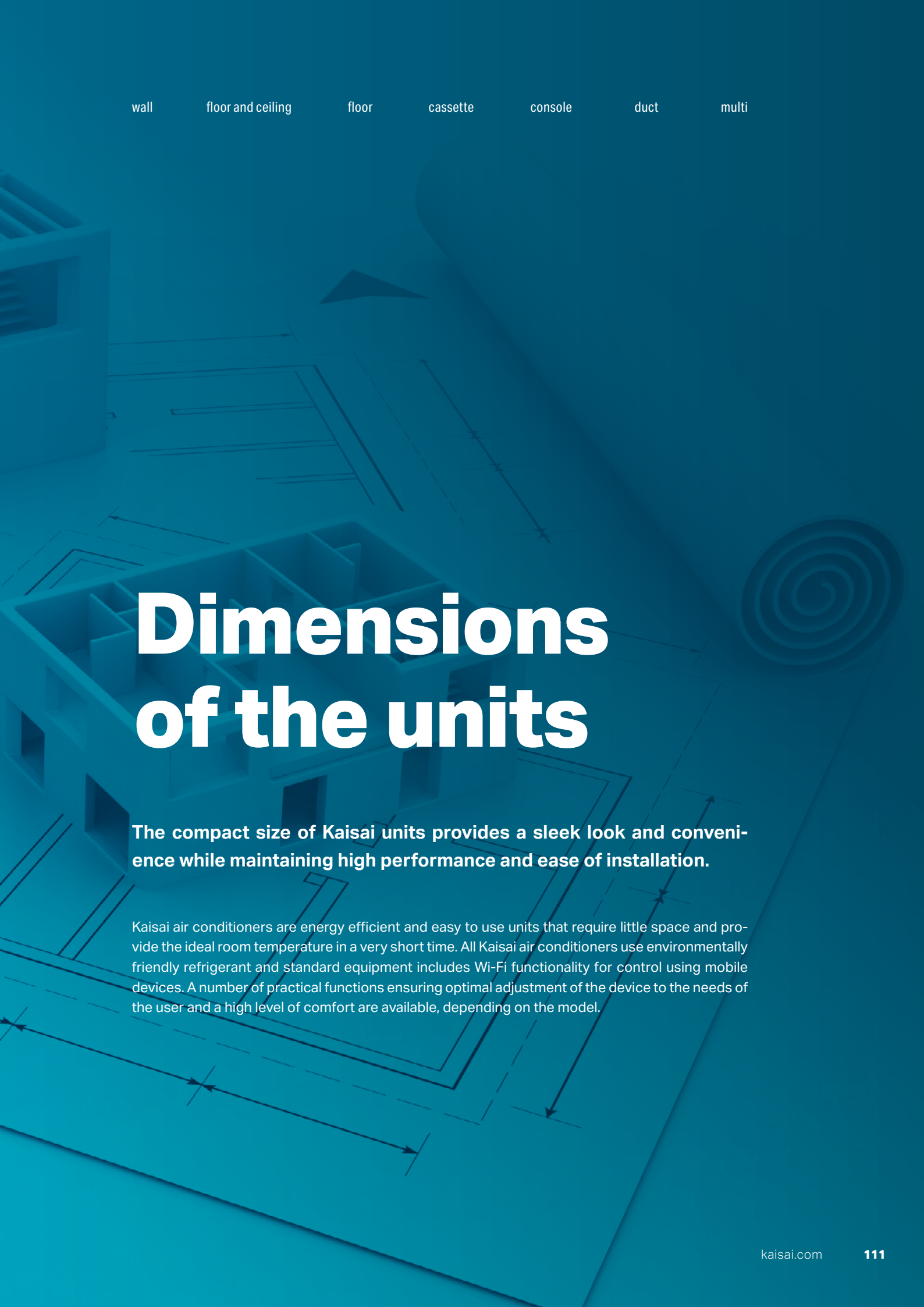
WIRELESS
CONTROLLER

CCM

Optional controller for cassette, floor/ceiling, wall-mounted ICE, PRO HEAT and duct air conditioners.

Control up to 64 indoor units. In addition to the standard functions, it has options for locking: operating mode, individual controls and central control buttons. The maximum length of communication cables is 1200 m.





Dimensions of the units

The compact size of Kaisai units provides a sleek look and convenience while maintaining high performance and ease of installation.

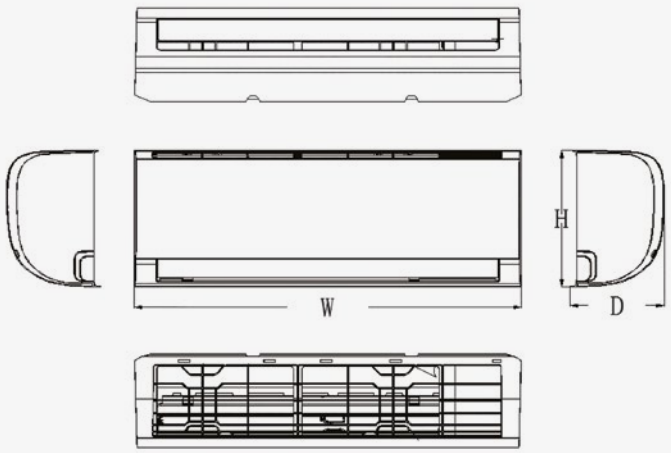
Kaisai air conditioners are energy efficient and easy to use units that require little space and provide the ideal room temperature in a very short time. All Kaisai air conditioners use environmentally friendly refrigerant and standard equipment includes Wi-Fi functionality for control using mobile devices. A number of practical functions ensuring optimal adjustment of the device to the needs of the user and a high level of comfort are available, depending on the model.

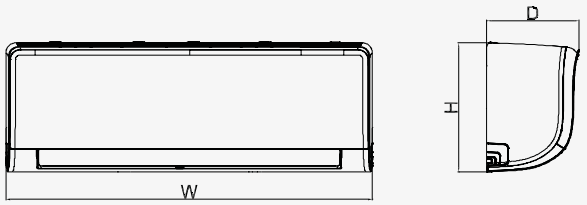
Dimensions

SPLIT UNITS

WALL **FLY**

MODEL	DIMENSIONS [mm]		
	W	D	H
KWX-09KRHI	715	194	285
KWX-12KRHI	805	194	285
KWX-18KRHI	957	213	302
KWX-24KRHI	1040	220	327

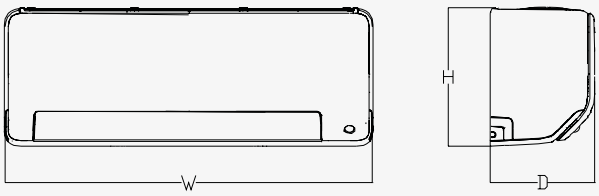




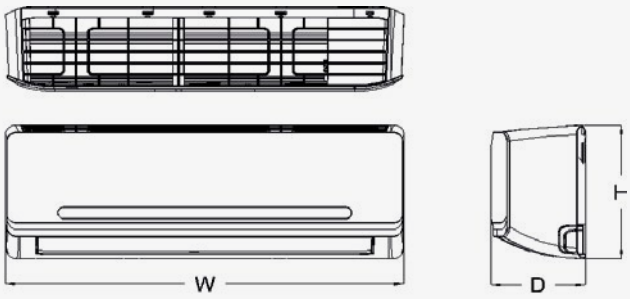
WALL **ICE**

MODEL	DIMENSIONS [mm]		
	W	D	H
KLW-09HRHI	835	208	295
KLB-09HRHI	835	208	295
KLW-12HRHI	835	208	295
KLB-12HRHI	835	208	295
KLW-18HRHI	969	241	320
KLB-18HRHI	969	241	320
KLW-24HRHI	1083	244	336
KLB-24HRHI	1083	244	336

WALL **PRO HEAT+**



MODEL	DIMENSIONS [mm]		
	W	D	H
KRW-09TLHI	820	195	306
KRB-09TLHI	820	195	306
KRW-12TLHI	820	195	306
KRB-12TLHI	820	195	306
KRW-18TLHI	920	195	306
KRB-18TLHI	920	195	306
KRW-24TLHI	1100	222	333
KRB-24TLHI	1100	222	333



WALL **GEO**

MODEL	DIMENSIONS [mm]		
	W	D	H
KGE-09GRHI	802	189	297
KGE-12GRHI	802	189	297
KGE-18GRHI	965	215	319
KGE-24GRHI	1080	226	335

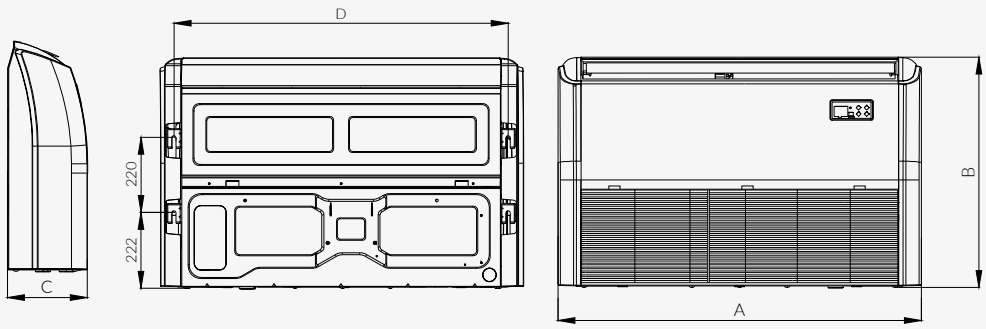
WALL **EVO**

MODEL	DIMENSIONS [mm]		
	W	D	H
KEV-09TLHI	778	192	272
KEV-12TLHI	778	192	272
KEV-18TLHI	910	195	305
KEV-24TLHI	1005	220	322

WALL **NORDIC**

MODEL	DIMENSIONS [mm]		
	W	D	H
KNP-12NRHI	895	248	298

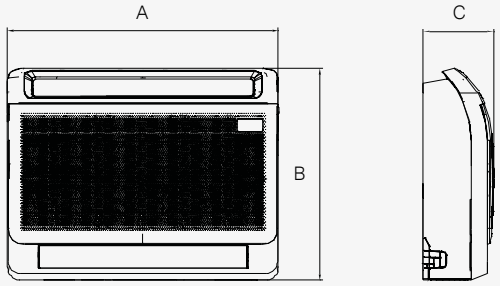
FLOOR AND CEILING



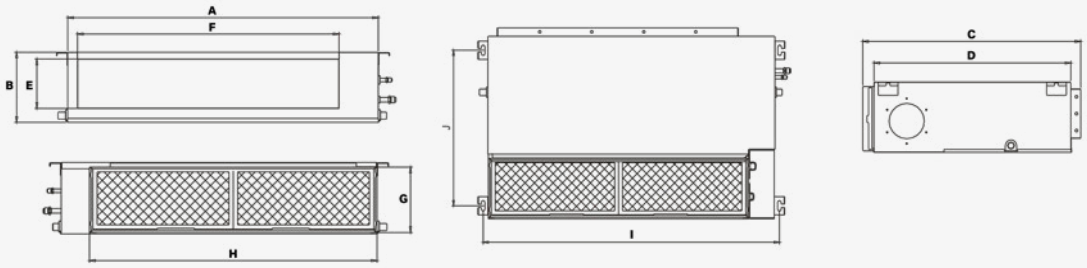
MODEL	DIMENSIONS [mm]			
	A	B	C	D
KUE-18HRG32X	1068	675	235	983
KUE-24HRG32X	1068	675	235	983
KUE-36HRG32X	1650	675	235	1565
KUE-48HRG32X	1650	675	235	1565
KUE-55HRG32X	1650	675	235	1565

CONSOLE

MODEL	DIMENSIONS [mm]		
	A	B	C
KFAU-12HRG32X	794	621	200
KFAU-17HRG32X	794	621	200

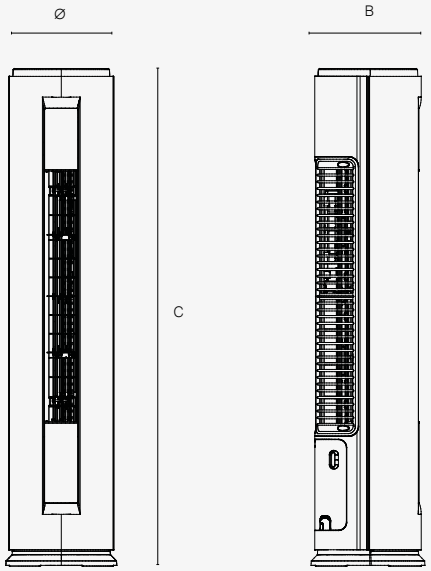


DUCT **SLIM**

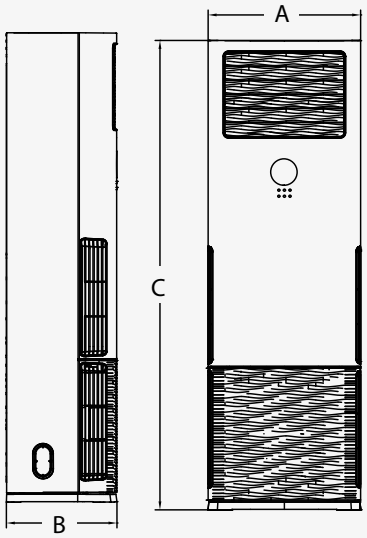


MODEL	DIMENSIONS [mm]									
	A	B	C	D	E	F	G	H	I	J
KTI-18HWG32X	880	210	674	600	136	706	190	782	920	508
KTI-24HWG32X	1100	249	774	700	175	926	228	1001	1140	598
KTI-36 HWG32X	1360	249	774	700	175	1186	228	1261	1400	598
KTI-48HWG32X, KTI-55HWG32X	1200	300	874	800	227	1044	280	1101	1240	697

FLOOR

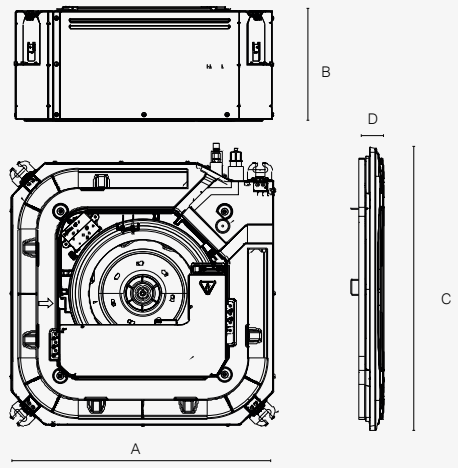


MODEL	DIMENSIONS [mm]		
	Ø	B	C
KFS-24HRG32X	405	405	1775



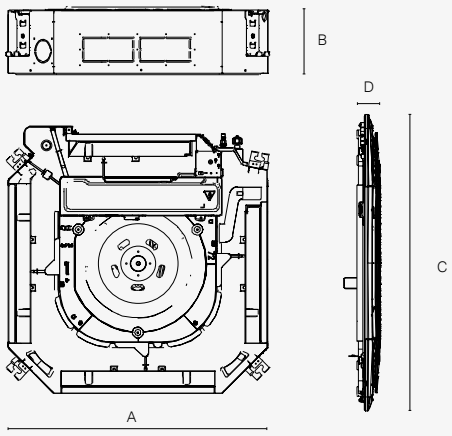
MODEL	DIMENSIONS [mm]		
	A	B	C
KFS-48HRG32X	629	456	1935

CASSETTE **COMPACT**



MODEL	DIMENSIONS [mm]			
	A	B	C	D
KCA4U-12HRG32X	570	245	620	50
KCA4U-18HRG32X	570	245	620	50

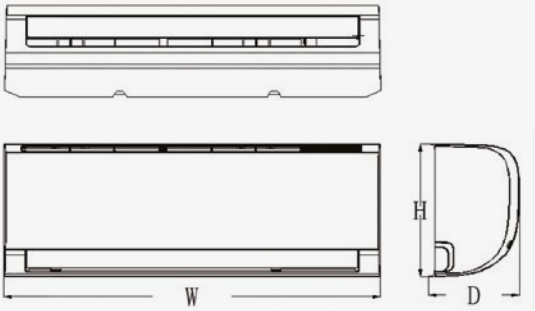
CASSETTE **SUPER SLIM**

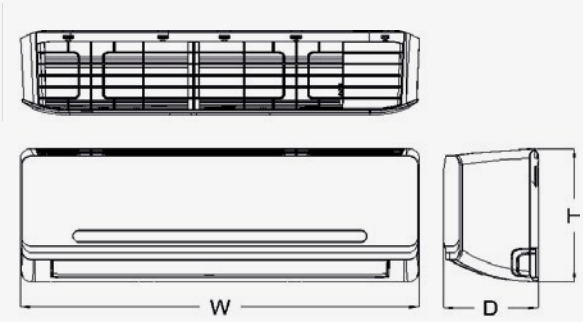


MODEL	DIMENSIONS [mm]			
	A	B	C	D
KCD-24HRG32X	830	205	950	55
KCD-36HRG32X	830	205	950	55
KCD-48HRG32X	830	205	950	55
KCD-55HRG32X	830	205	950	55

Dimensions

MULTI SPLIT APPLIANCES



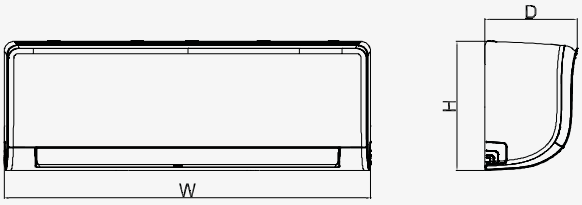


WALL FLY

MODEL	DIMENSIONS [mm]		
	W	D	H
KWX-09KKRHI	715	194	285
KWX-12KKRHI	805	194	285
KWX-18KKRHI	957	213	302
KWX-24KKRHI	1040	220	327

WALL GEO

MODEL	DIMENSIONS [mm]		
	W	D	H
KGE-09GRHI	802	189	297
KGE-12GRHI	802	189	297
KGE-18GRHI	965	215	319
KGE-24GRHI	1080	226	335

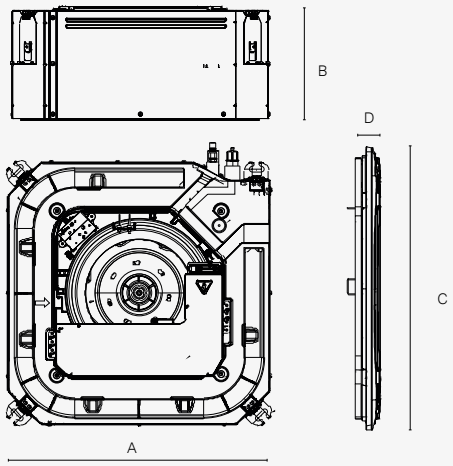


WALL ICE

MODEL	DIMENSIONS [mm]		
	W	D	H
KLW-09HRHI	835	208	295
KLB-09HRHI	835	208	295
KLW-12HRHI	835	208	295
KLB-12HRHI	835	208	295
KLW-18HRHI	969	241	320
KLB-18HRHI	969	241	320
KLW-24HRHI	1083	244	336
KLB-24HRHI	1083	244	336

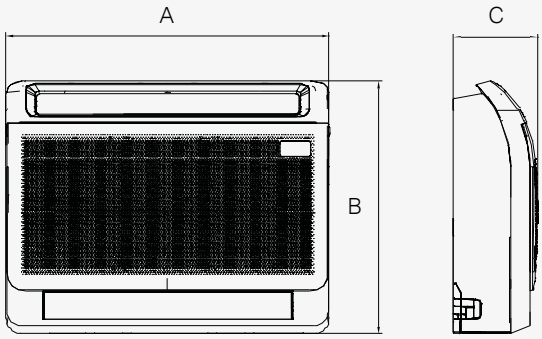
CASSETTE

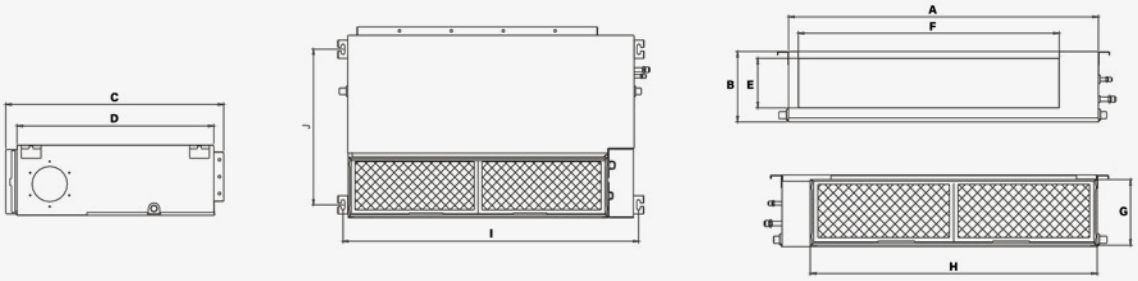
MODEL	DIMENSIONS [mm]			
	A	B	C	D
KCA4U-09HRG32X	570	245	620	50
KCA4U-12HRG32X	570	245	620	50
KCA4U-18HRG32X	570	245	620	50



CONSOLE

MODEL	DIMENSIONS [mm]		
	A	B	C
KFAU-12HRG32X	794	621	200
KFAU-17HRG32X	794	621	200



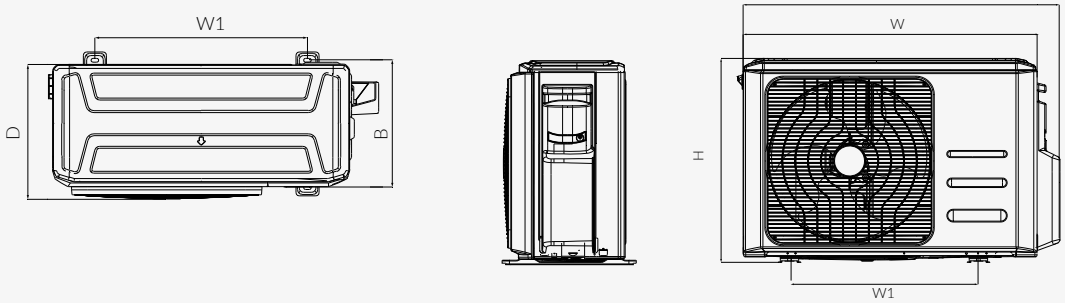


DUCT

MODEL	DIMENSIONS [mm]									
	A	B	C	D	E	F	G	H	I	J
KTI-18HWG32X	880	210	674	600	136	706	190	782	920	508

Dimensions

OUTDOOR UNITS

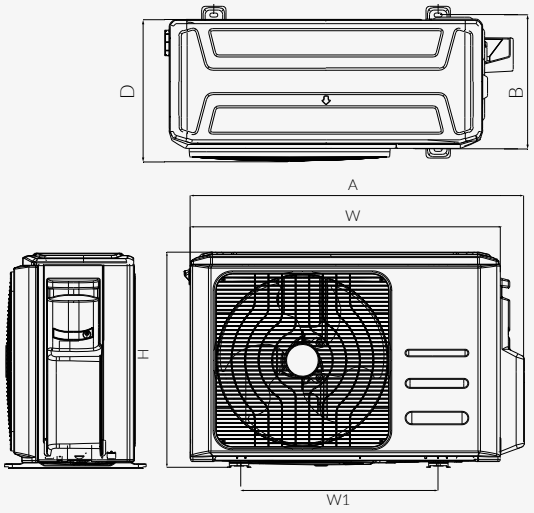


FOR WALL UNITS

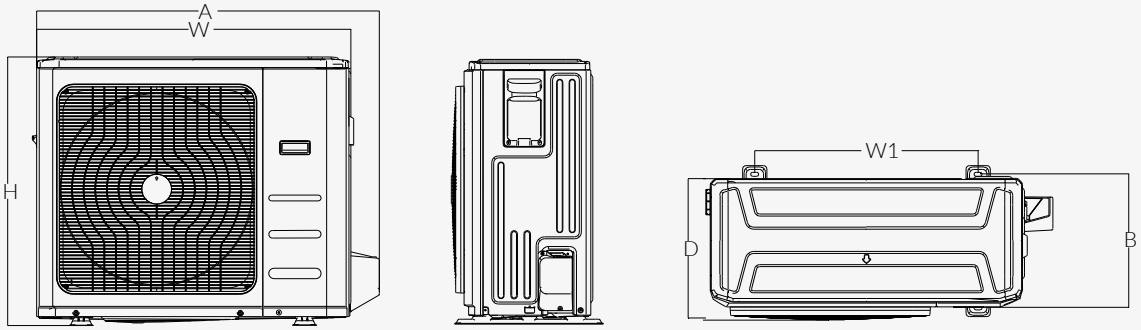
MODEL	DIMENSIONS [mm]					
	W	D	H	W1	A	B
KWX-09KRHO	720	270	495	452	790	255
KWX-12KRHO	720	270	495	452	790	255
KWX-18KRHO	805	330	554	511	874	317
KWX-24KRHO	890	342	673	663	955	348
KLWB-09HRHO	765	303	555	452	835	286
KLWB-12HRHO	765	303	555	452	835	286
KLWB-18HRHO	805	330	554	511	874	317
KLWB-24HRHO	890	342	673	663	955	348
KGE-09GRHO	765	303	555	452	835	286
KGE-12GRHO	765	303	555	452	835	286
KGE-18GRHO	805	330	554	511	874	317
KGE-24GRHO	890	342	673	663	955	348
KRP-09MEHO	805	330	554	511	874	317
KRP-12MEHO	805	330	554	511	874	317
KRP-18MEHO	890	342	673	663	955	348
KRP-24MEHO	890	342	673	663	955	348

FOR MULTI-SPLIT MODELS

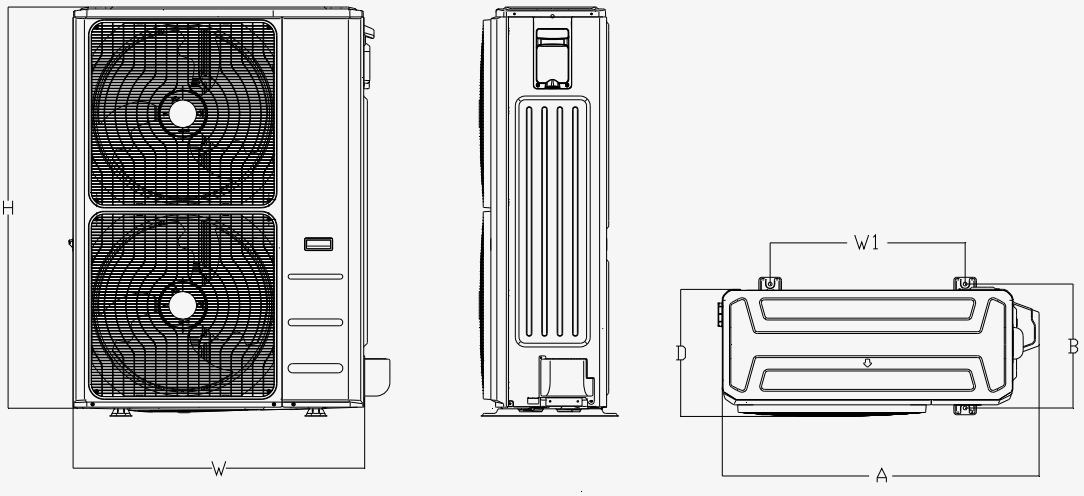
MODEL	DIMENSIONS [mm]					
	W	D	H	W1	A	B
K2OE-18HFN32H	805	330	554	511	877	317
K3OA-27HFN32H	890	342	673	663	990	354
K4OE-28HFN32H	946	410	810	673	1034	403
K4OB-36HFN32H	946	410	810	673	1034	403
K5OE-42HFN32H	946	410	810	673	1034	403



FOR CASSETTE, FLOOR, FLOOR/CEILING MOUNTED, CONSOLE AND DUCT MODELS



KOX230-12HFN32X, KOX330-18HFN32X, KOX430-24HFN32X, KOD30U-36HFJ32X, KOD30U-36HFN32X



KOE30U-48HFN32X, KOE30U-55HFN32X

MODEL	DIMENSIONS [mm]					
	W	D	H	W1	A	B
KOX230-12HFN32X	765	303	555	452	835	286
KOX330-18HFN32X	805	330	554	511	874	317
KOX430-24HFN32X	890	342	673	663	955	348
KOX430L-24HFN32X	890	342	673	663	955	348
KOD30U-36HFJ32X	946	410	810	673	1030	403
KOD30U-36HFN32X	946	410	810	673	1030	403
KOE30U-48HFN32X	952	415	1333	634	1045	404
KOE30U-55HFN32X	952	415	1333	634	1045	404

Accessories

SEQUENTIAL CONTROLLER

SPN-IR

Applies to all split air conditioner models

It is used to control the operation of 2 air conditioners (optionally 4) in an alternate manner. The controller communicates with air conditioners using an infra-red module (copies the signal from the wireless remote control).

SEQUENTIAL CONTROLLER

TS4

Applies to all split air conditioner models (except wall units)

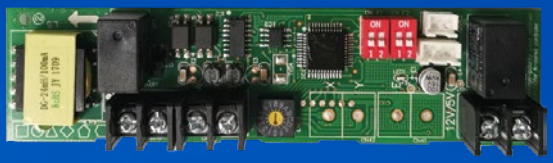
It is used to control the operation of 2 to 4 devices in the alternate mode. The TS4 controller replaces time switches and other complex electrical systems and communicates with air conditioners via a wired installation.

HOTEL KIT

PRO HEAT+ / EVO

Applies to PRO HEAT+ oraz EVO air conditioners

The hotel kit allows you to turn the air conditioner on/off using an external signal generated by opening a window, door or hotel card. In addition, it is possible to block the cooling or heating function and limit the temperature values that can be set on the remote control.



CONTROL MODULE
FOR AIR HANDLING UNIT

KMS-8142

Applies to condensing units with communication lines L,N,S

The module allows the inverter condensing unit to be controlled by a 0-10 V DC signal from the air handling unit automation.

EXTENSION
MODULE

MFB ICE/HOT, MFB PRO HEAT

Applies to ICE, HOT, PRO HEAT air conditioners

Enables connection of: KJR-120N wired controller, CCM central controller, Modbus gateway, ON/OFF control signal, alarm signal output

DIAGNOSTIC MODULE

DR SMART

Applies to all split air conditioner models except PRO HEAT+ and EVO

The diagnostic module makes it possible to read the operating parameters of split air conditioners and facilitates their diagnosis and repair.

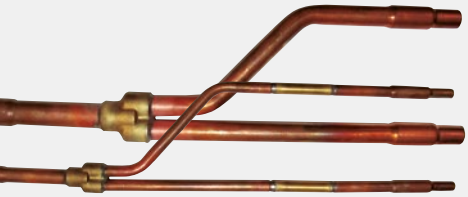
Accessories

MODBUS GATE

MD-AC-MBS1

Applies to all split air conditioner models

The gateway makes it possible to connect the air conditioner to the BMS central control system.



BRANCH PIPE

UTP-SX236A
UTP-SX254A

For TWIN simultaneous system

T-pieces are required for the cooling installation of the Twin simultaneous system.

WIFI MODULE

FOR MANAGEMENT IN THE KAISAI X/X LITE SYSTEM

Applies to all split air conditioner models except PRO HEAT+ and EVO

The module enables control of the air conditioner using the KAISAI X system – all Kaisai devices in one application.

WIFI MODULE

OSK105
OSK109

Applies to wall-mounted air conditioners except PRO HEAT+ and EVO

The module allows you to control your split air conditioner with your smartphone or tablet.

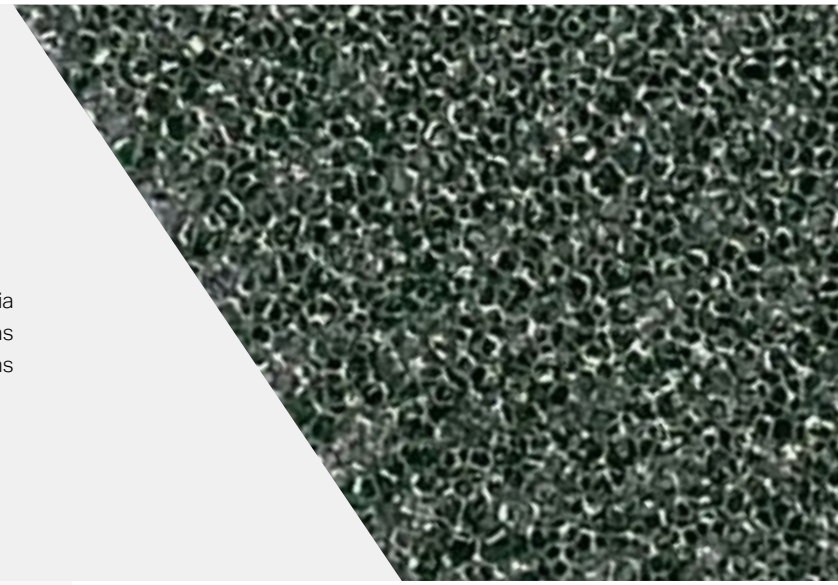
WIFI MODULE

LCAC

Applies to floor and ceiling air conditioners

The module allows you to control your split air conditioner with your smartphone or tablet.

Filters



SILVER ION FILTER

The silver ion filter is responsible for destroying bacteria and preventing the growth of micro-organisms such as viruses and fungi. The internal structure of the silver ions destroys micro-organisms.

BIOHEPA FILTER

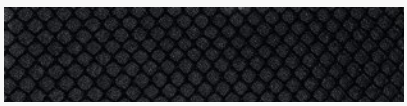
The air purification function is further supported by the Bio HEPA filter, which effectively traps 99% of dust particles and bacteria with a size of 0.3 pm and up to 95% of particles from 0.1 to 0.3 pm, including fungal cells and some viruses

VITAMIN C FILTER

The filter emits vitamin C, which has a positive effect on the skin by protecting it from the sun's rays. Being an active antioxidant agent, vitamin C has a nourishing effect, stimulates collagen production and reduces stress.

3M FILTER

Thanks to its unique design, the filter captures dust particles and other harmful substances from the air, which can cause many respiratory diseases.



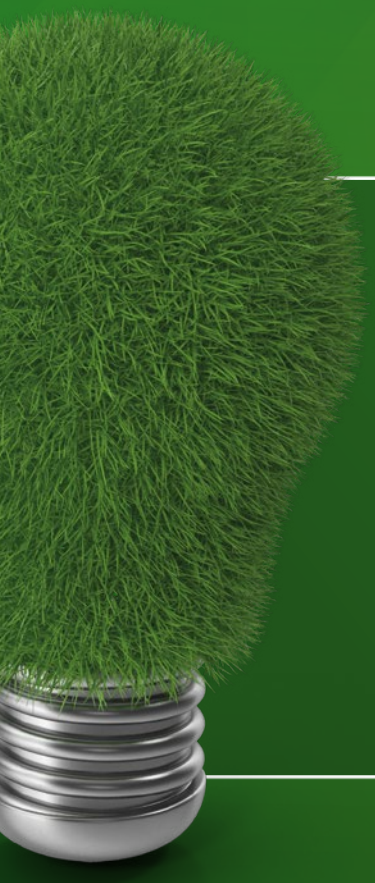
COLD CATALYTIC FILTER

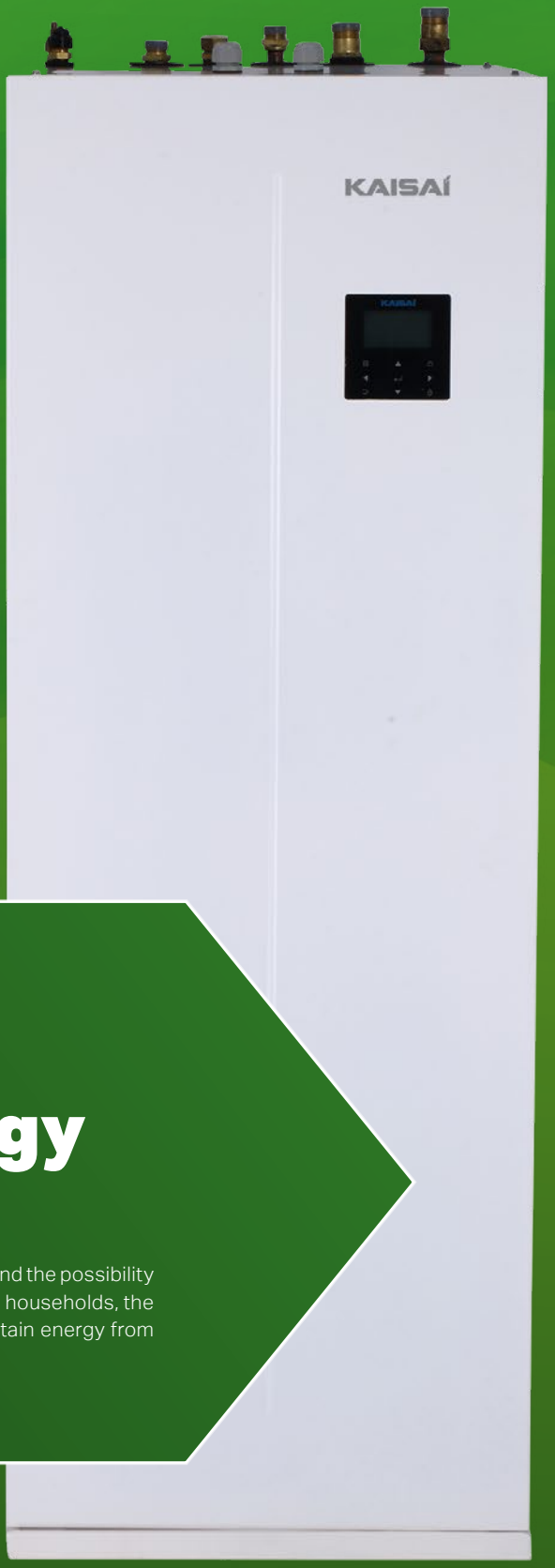
The cold-catalytic filter eliminates chemicals such as carbon monoxide, hydrogen sulphide, ammonia, benzene and formaldehyde

Renewable
ENERGY SOURCES

Renewable energy sources (RES) are based on natural resources, the extraction of which ensures not only zero-emission energy production but also a wide range of possibilities for its use.

Due to relatively easy access to technology and the possibility for it to be used by companies and individual households, the most popular solutions are the units which obtain energy from the air and the sun. Kaisai's product range provides state-of-the-art RES solutions that include air-to-water heat pumps, heat recovery units, and photovoltaic modules and inverters.

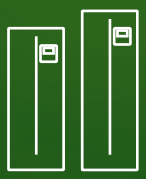




Bet on green energy
ALL YEAR

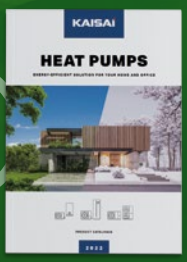
Due to relatively easy access to technology and the possibility for it to be used by companies and individual households, the most popular solutions are the units that obtain energy from the air and the sun.

Our offer includes:



HEAT PUMPS

Thanks to the cutting-edge technology, air-water KAISAI heat pumps operate in a very wide range of outside temperatures and achieve high temperatures in the heating system or for domestic hot water.



PHOTOVOLTAIC **MODULES**

KAISAI photovoltaic modules with special cell design allow the electrode resistance to be decreased and a lower current to be achieved, thus improving the module efficiency.

PHOTOVOLTAIC **INVERTERS**

KAISAI inverters are a series of devices with the highest technical parameters, ensuring efficient operation in any conditions. Flexible installation, and a compact and lightweight aesthetic design enable general and flexible use in domestic and commercial projects.

HEAT RECOVERY UNITS

Kaisai heat recovery units are high-efficiency devices for mechanical ventilation of homes, flats, offices and shops, designed and manufactured in accordance with the latest technological trends.

The full range of products based on renewable energy sources is available on our website

kaisai.com

Environmentally friendly in every way

CARE FOR THE ENVIRONMENT WITH US

The heat pump draws free energy from the air and uses it to heat and cool the building, or prepare domestic hot water. It is a cheap, ecological and reliable heat source, which can be used by anyone.

Thanks to cutting-edge technology, Kaisai heat pumps operate in a wide range of outside temperatures and achieve the high temperature parameters of the heating system or domestic hot water. No emission of harmful substances into the environment, operational safety, and maintenance-free make the Kaisai heat pumps an ideal solution for everyone who builds a house as well as replaces or retrofits the current heat source. The Kaisai heat pumps can be used in single-family, multifamily, and commercial buildings.

Heat pumps

ECOLOGIC ENERGY SOURCE

The full range of products based on renewable energy sources is available on our website

kaisai.com

REDUCED CO_2 EMISSIONS

Heat pumps are an ideal alternative to gas and coal-fired boilers, helping to reduce CO_2 emissions into the atmosphere.While operating at the time selected by the user, the devices do not produce smoke, ash or any other substances harmful to the environment.

COMFORT ALL YEAR LONG

A heat pump transfers heat from the air to the water, heating it up. Thanks to its automation, the heat pump ensures user comfort and simple operation. The convenient indoor temperature and the desired domestic water parameters are set using an intuitive controller. The user does not have to worry about „firing up the boiler", as the unit will automatically maintain a comfortable level of temperature throughout the year.

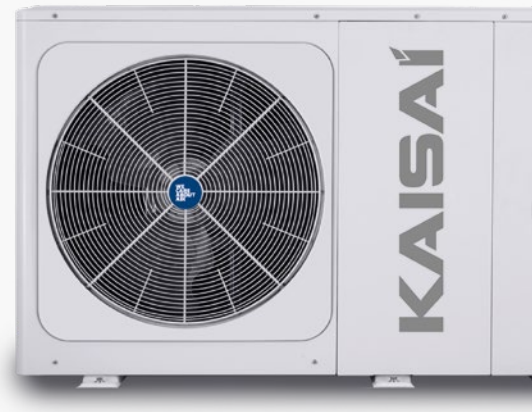
LOW OPERATING **COSTS**

Heat pumps make a significant contribution to reducing the house's operating costs. The cost of heating and domestic hot water can be reduced by up to four times with a heat pump. The use of a heat pump also reduces system maintenance costs, e.g., as chimney inspections are not needed.

Use the heat from the air

TO HEAT YOUR HOME

Heat pumps are one of the environmentally friendly energy sources, because instead of coal, gas or oil, they use the potential of the air, using refrigerants that have a significantly lower impact on the environment than non-renewable energy sources. The electric power supply also allows the use of home photovoltaics in the so-called passive house system (i.e. without drawing energy from outside).



Modules and inverters

EFFICIENT AND QUIET OPERATION IN ALL CONDITIONS

Photovoltaics is the conversion of sunlight into electricity, taking place using modules made up of cells connected in series in a frame. It is a stable and inexhaustible source of green energy that does not pollute the environment.

A photovoltaic installation enables the creation of a low- or zero-energy building. By producing its own electricity and storing it in the grid, a household is able to meet its needs for domestic hot water, powering household appliances, heating and recuperation.

KAISAI photovoltaic modules with special cell design allow the electrode resistance to be decreased and a lower current to be achieved, thus improving the module efficiency. This reduces losses caused by partial shading and cell wear, while increasing the solar energy conversion capacity.

Inverters

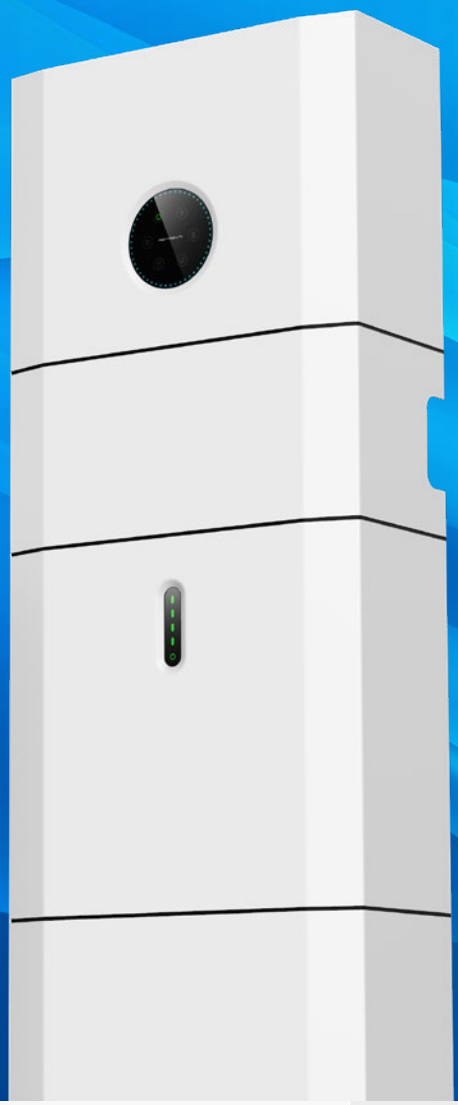
Kaisai inverters are modern devices working on proven quality microprocessor chips. They ensure efficient, high-performance and trouble-free operation in the installation and enable monitoring of all parameters of the photovoltaic system, allowing the optimal amount of energy to be extracted.

OPERATION PRINCIPLE

The solar inverter converts the direct current produced by the photovoltaic panels into alternating current with parameters compatible with those of the power grid. It also monitors the performance of the home solar power plant and automatically tracks the power point to capture the maximum amount of energy from the solar panel array. At dusk, when the intensity of sunlight is too low to generate electricity, the inverter automatically switches off and restarts during the day when the input voltage reaches its initial value.

Photovoltaic modules

FOR YOUR HOME AND OFFICE



Full range of products based on renewable energy sources available on our website

kaisai.com

MODULAR DESIGN

EASY INSTALLATION

10 000 BATTERY CYCLES

DC/AC RATIO UP TO 200%

KAISAI

KXL-01

Kaisai X LITE Control system

Supports all Kaisai heat pump models
KHA | KHC | KHY | KCHP | KHM

ZDALNY NADZÓR NAD POMPĄ CIEPŁA

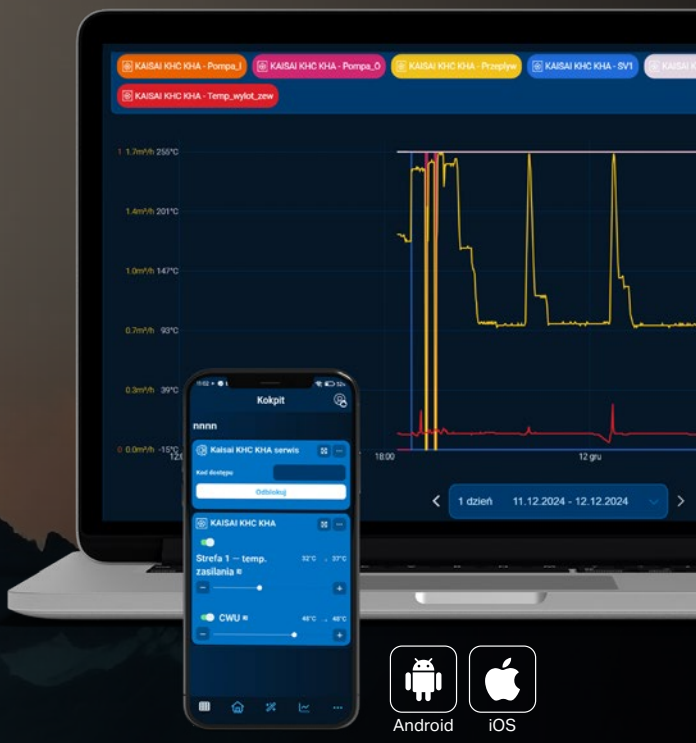
FAST SERVICE RESPONSE

USER SETTING ADJUSTMENTS

STATISTICS AND OPERATION RECORD

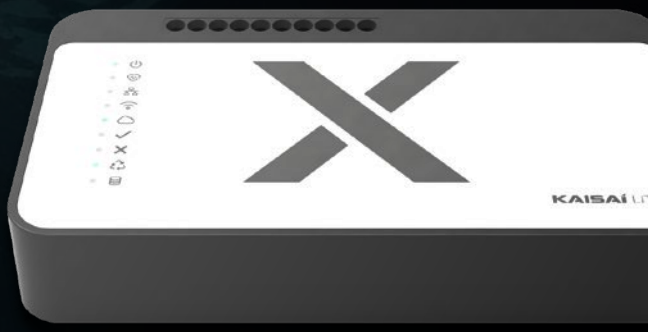
Kaisai X Lite

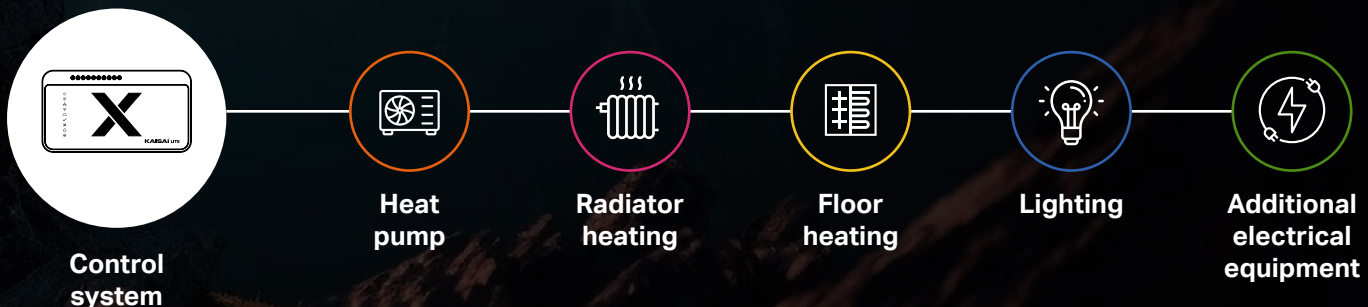
- **Modern and intuitive** solution, providing real-time control and monitoring of heat pump operating parameters.
- **Acquires and analyzes** parameters of heat pump operation and retrieves data from any period.
- **Wireless access** makes it possible to adjust the configuration of the heat pump, and remote support reduces the time to react and recover full functionality of the unit in the event of a malfunction.
- **Enhanced system** of push notifications in the mobile app or via email. With this solution, user is in full control of his home comfort from anywhere and at any time.



Precise control

Kaisai X Lite not only monitors the heat pump, but it is also a control unit with a wide range of applications that can be expanded with additional functionality using dedicated accessories.





KAISAI

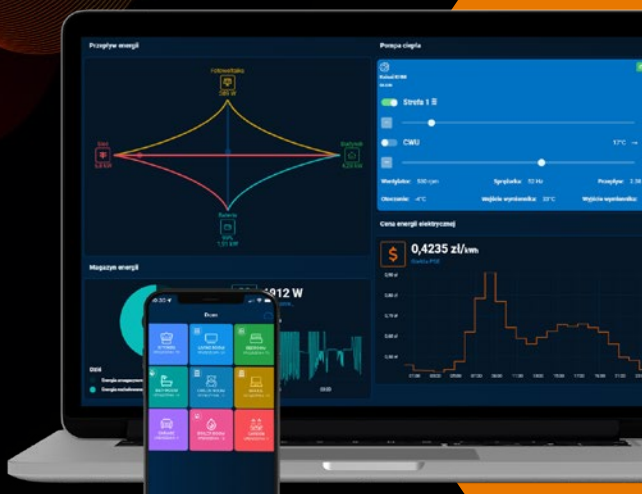
ENHANCED
COMFORT

Kaisai X
Control unit

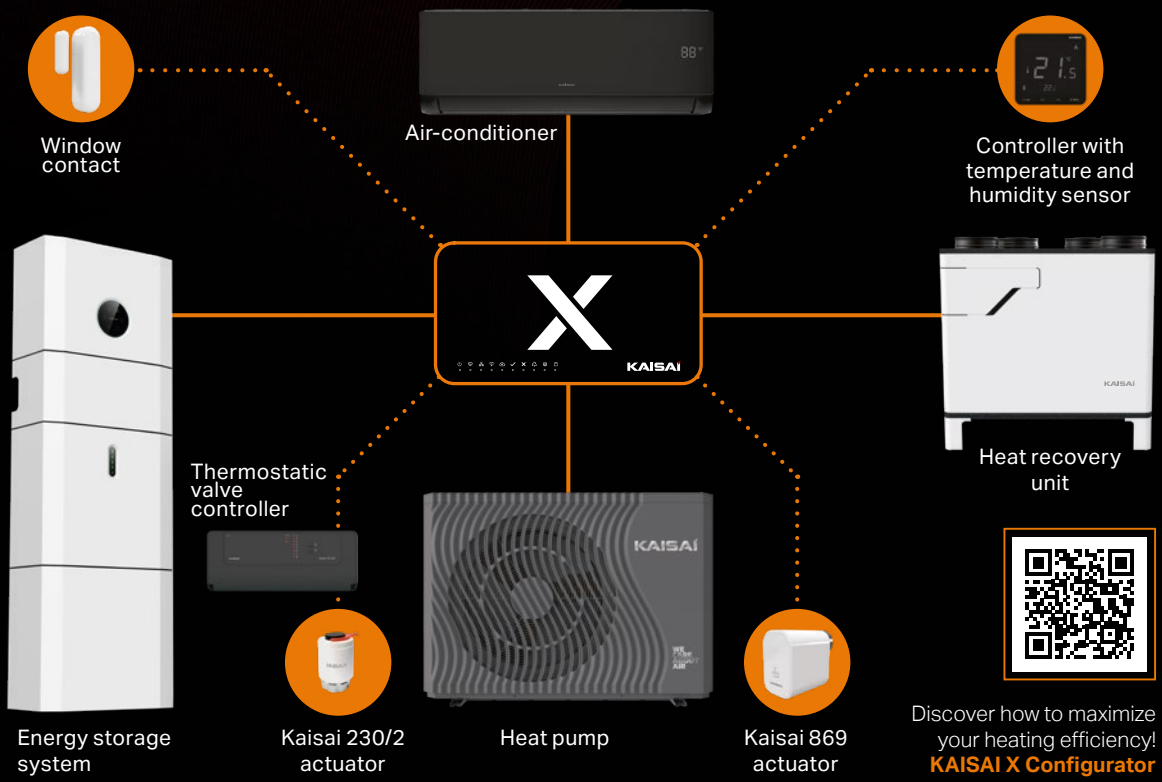
Integration of Kaisai equipment • Operating conditions analysis • Intelligent energy management

ONE PLATFORM – ALL DEVICES	ENERGY CONSUMPTION OPTIMIZATION	ENHANCED COMFORT	SAVINGS AND SAFETY

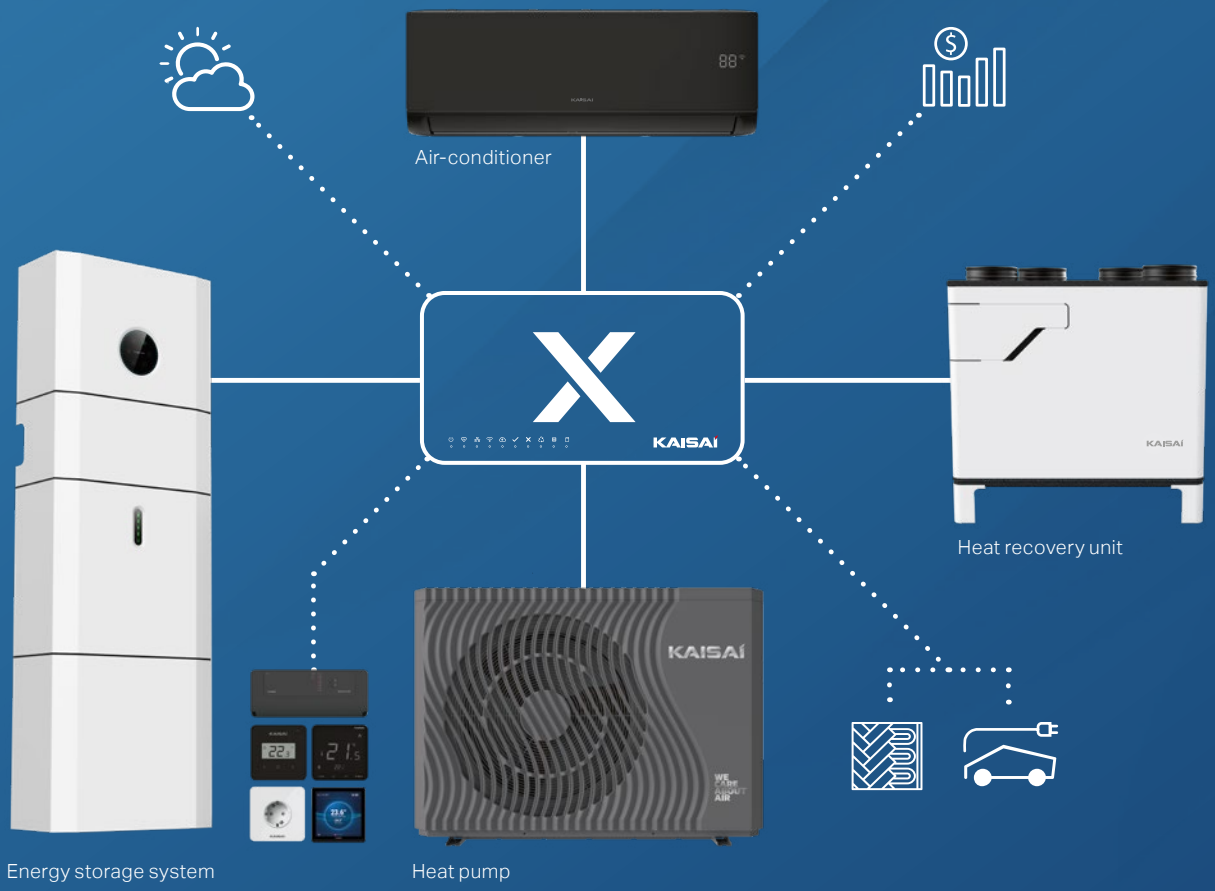
- **The goal of the Kaisai X system** is to provide a solution that seamlessly integrates into the customer's daily life, combining high comfort with external data sources (such as weather forecasts and energy prices) to generate real savings for the user.
- **The Kaisai X control unit** allows you to manage all connected devices from a single interface. Advanced configuration options for the main control panel, building structure, and inter-device scenes enable convenient and intuitive system optimization.
- Each device integrated into the Kaisai X system communicates with the central unit via the **Modbus RTU** protocol. Additional accessories for zone heating (e.g., thermostatic valve controllers) communicate wirelessly.



Android iOS



One brand multiple solutions



Kaisai X controller

By combining Kaisai solutions and products, the system effectively integrates with the customer's daily life and external data (weather forecasts, dynamic energy prices) along with the logic and algorithms of Kaisai products, generating real savings.

Find out how to increase thermal efficiency!
KAISAI X configurator

The full range of products is available on our website **kaisai.com**

Contact details

FOR CONSUMERS:

Are you interested in buying our products?
Check the current list of Distributors in Poland at: www.kaisai.com

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22 465 65 85
export@kaisai.com

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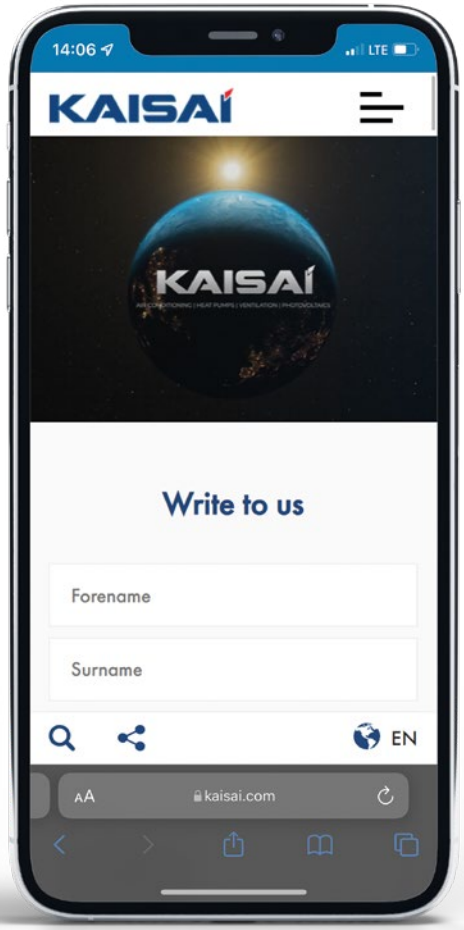

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