

KAISAI

air conditioning / heating / ventilation
for home and office



product catalog
product price list

2019/2020
EDITION

**WE
CARE
ABOUT
AIR**

air conditioning / heating / ventilation for home and office

















Contents

Kaisai product catalog

KAISAI 

Product series	4
Description of functionalities	6
About Kaisai brand	10
Learn about Kaisai technology: User guide	13
Air conditioning selection	14
Heat pumps – benefits	18
Air curtains – useful information	20
Environmental protection	22
Featured functions	25
Effective filters	30
Modern technologies	32
Kaisai product range	35
Wall air conditioners	36
Floor/ceiling air conditioners	40
Compact cassette air conditioners	44
Super Slim cassette air conditioners	48
Slim duct air conditioners	52
Portable air conditioners	56
Condensing units	60
Multi Split systems	62
Air curtains	68
Heat pumps	76
Wired and wireless controllers	80
Unit dimensions	82
Pallet arrangement – logistics data	89
Product price list	90

Product series

TYPE	COOLING/HEATING CAPACITY [Btu/h]																					
	7,000	8,000	9,000	10,000	11,000	12,000	13,000	14,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	26,000	27,000	
AIR CONDITIONING UNITS																						
 WALL-MOUNTED			•			•						•						•				
 FLOOR/CEILING												•						•				
 CASSETTE COMPACT						•						•										
 CASSETTE SUPER SLIM																		•				
 DUCT SLIM												•						•				
 PORTABLE KPPD						•																
 PORTABLE KPC			•																			
 CONDENSING UNITS												•						•				
MULTI SPLIT SYSTEMS																						
 WALL-MOUNTED			•			•						•						•				
 CASSETTE COMPACT			•			•						•										
 OUTDOOR UNITS												•						•				
VENTILATION AND HEATING UNITS																						
 SILVER AIR CURTAINS																		•				
 GOLD AIR CURTAINS											•							•				
 PLATINUM NEW AIR CURTAINS																						
 HEAT PUMP KHP			•																			
 HEAT PUMP ECO HOME (KEH)																						

COOLING/HEATING CAPACITY [Btu/h]

28,000	29,000	30,000	31,000	32,000	33,000	34,000	35,000	36,000	37,000	38,000	39,000	40,000	41,000	42,000	43,000	44,000	45,000	46,000	47,000	48,000	49,000	50,000	51,000	52,000	53,000	54,000	55,000	page	
																												36	
								•												•								•	40
																												44	
								•												•								•	48
								•												•								•	52
																												56	
																												56	
								•												•								•	60
																												62	
																												62	
								•						•														62	
								•												•								68	
	•							•												•								68	
	•							•					•															68	
																												76	
	•							•					•							•								76	

Description of functionalities



Health



Evaporator self-cleaning

After operation, the air conditioner switches into the cleaning mode and removes any moisture accumulated in the indoor unit. This prevents the development of microorganisms and fungi.



Filter with C vitamin

The filter emits vitamin C into the room. This way the vitamin C is absorbed by the skin. This vitamin improves skin firmness, protects against harmful UV rays and reduces stress.



Filter with silver ions

This filter contributes to the elimination of bacteria and other harmful microorganisms thanks to application of active silver ions. It ensures a high standard of air hygiene.



Catalytic filter

Catalytic filter, due to application of multilayer catalyst coating, removes unpleasant odors from the air and effectively eliminates harmful organic compounds and volatile formaldehyde particles.



3M filter

Thanks to its unique design, this filter more effectively captures dust and harmful allergic substances that cause respiratory diseases.



High-density filter

Application of an increased density filter improves the efficiency of trapping contaminants, including dust and particulate. It not only protects the unit, but also maintains the air quality.



Ventilation connection

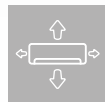
Fresh outdoor air is supplied to the unit through the connecting duct, so that the air conditioner can also be used as a ventilator and in turn improves air comfort.

Comfort



Turbo mode

Thanks to this option, the air conditioner operates at increased speed and ensures fast cooling or heating of the room.



3D air flow

Horizontal and vertical louvers are controlled automatically and ensure uniform temperature distribution in a room as well as optimum air circulation.



Automatic restart

During a power outage, the air conditioner remembers the last settings and restores them once the power is resumed. It does not require reprogramming of the unit after each power outage.



360° air supply

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



Temperature compensation

The unit compensates for the difference between the reading of the temperature sensor on the indoor unit and the actual temperature on the room floor. The desired temperature is reached throughout the room, not just around the air conditioner.



Cold air supply control

In order to minimize the feeling of unpleasant cool airflow, the air conditioner automatically reduces the fan's RPM in heating mode and increases the fan's speed as the air heats up.



Wide temperature range

Operation in wide range of outdoor temperatures. -15 to 50°C in cooling mode and -25 to 30°C in heating mode.

Cost efficiency



8°C continuous heating function

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



Standby mode

In standby mode, disconnection from unused components reduces power consumption even up to 80%.



Sleep function

Within two hours, the unit increases (in heating mode – decreases) the set temperature by 1°C per hour, and the fan is running at low speed. This reduces electric energy consumption and provides the best comfort for the user.



5 fan speeds of the outdoor unit

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



12 fan speeds of indoor unit

The 12-stage fan control of the indoor unit ensures maximum comfort in the room and improves the energy efficiency.



Temperature sensor in the remote control

The temperature sensor built into the remote control allows measurement of the temperature closer to the user, so that the unit can better adapt to the surrounding area.



Fresh air

Fresh outdoor air is supplied to the unit via a connecting hose. This significantly improves the "atmosphere" in a room.

Safety



Evaporation of condensate

The condensed water is transferred to the condenser where it evaporates. As a result, the condensate tank is not required.



Operation at low outdoor temperatures

The air conditioner operates in the cooling mode even at outdoor temperatures as low as -15°C.



Operation at very low outdoor temperatures

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



Indication of refrigerant leakage

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



Emergency use

If one of the sensors fails, operation of the unit is not interrupted and can be continued until the failure has been corrected.



Self-diagnosis

The air conditioner monitors its operation and switches off when a malfunction or failure is detected. The error code is displayed on the control panel of the indoor unit.



Alarm port

The air conditioner is equipped with the alarm port enabling output of the fault signal.



Convenience



Timer

The timer enables setting the time of automatic switching on and off the air conditioner.



Automatic louver (swing)

Automatic operation of horizontal louvers significantly improves the air distribution in the room.



Mono and multi

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



Simple installation

The air conditioner enables easy installation and does not require any additional operation efforts.



Twin combination

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



Two-sided installation

It is possible to connect refrigerant supply pipes and condensate drain from both sides of the indoor unit, which facilitates installation and adaptation to the layout of the room.



Customized remote control

It is possible to change the factory settings of the remote control to suit the current needs of the user.



Central controller

Possibility of connecting a central controller, controlling up to 64 indoor units.



Memory of louvers settings

After each shutdown, the air conditioner remembers last settings of the louvers and restores them after the restart.



Port ON/OFF

The air conditioner is equipped with the port enabling remote switching on/off from a long distance (using non-voltage signal).



Multi directional casters

Thanks to the integrated casters, changing location of the air conditioner is easier.



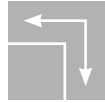
WiFi Control

The WiFi module enables remote control of the air conditioner with a smartphone or tablet – from anywhere in the world.



Built-in condensate pump

Thanks to the integrated pump, condensate can be discharged up to a height of 750 mm.



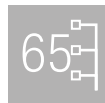
Compact dimensions

Thanks to well planned components, the air conditioner features small dimensions while maintaining full performance parameters.



Large installation length

Thanks to the applied technological solutions, the indoor and outdoor units of the air conditioner can be separated from each other up to 50 m in total and 25 meters vertically.



Very large installation length

Thanks to the applied technological solutions, the indoor and outdoor units of the air conditioner can be separated from each other up to 65 m in total and 30 meters vertically.

■ STANDARD □ OPTION

WALL-MOUNTED

**FLOOR/
CEILING**

**CASSETTE
COMPACT**

**CASSETTE
SUPER SLIM**

**DUCT
SLIM**

PORTABLE



	Evaporator self-cleaning	■					
	High-density filter	■					
	3D air flow		■				
	Automatic restart	■	■	■	■	■	■
	360° air supply			■	■		
	Temperature compensation	■	■	■	■	■	
	Cold air supply control	■	■	■	■	■	
	Wide temperature range	■					
	8°C continuous heating function	■	□	□	□		
	Standby mode	■					
	Sleep function	■					■
	Temp. sensor in remote control	■	□	□	□	■	
	Condensate evaporation						■
	Operation at low outdoor temp.	■	■	■	■	■	
	Indication of refrigerant leakage	■	■	■	■	■	
	Emergency use	■	■	■	■	■	
	Self-diagnosis	■	■	■	■	■	■
	Alarm port		■	■	■	■	
	Timer	■	■	■	■	■	■
	Automatic louver (swing)	■	■	■	■		■
	Mono- and multi-unit	■		■			
	Simple installation						■
	Twin combination		■		■	■	
	Two-sided installation	■	■			■	
	Fresh air		■	■	■	■	
	Memory of louvers settings	■	■	■	■		
	Port ON/OFF		■	■	■	■	
	Multi-directional casters						■
	WiFi Control	■					
	Built-in condensate pump		□	■	■	■	

■ STANDARD □ OPTION

KAISAI

User-friendly air conditioning



Kaisai units are **high quality, environmental-friendly products**, designed with the operation comfort in mind. Moreover, we offer them at reasonable prices.

32
countries

over
1,000
points of sale

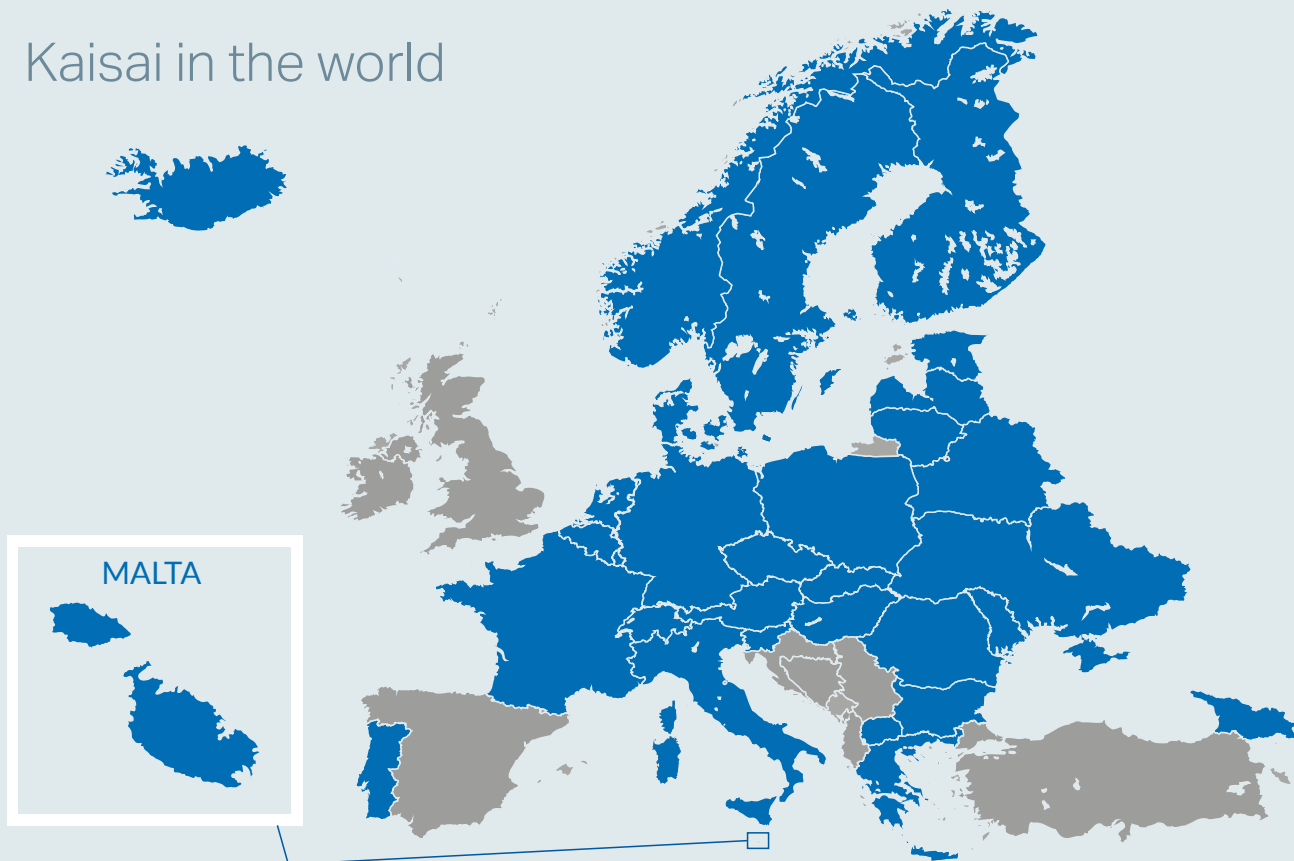
over
100
thousands
of installed units

16
product
types

The Kaisai brand debuted on the Polish market in 2011 and since then, year after year, it has been recording growing sales figures in Poland as well as on foreign markets. The latest technological solutions make Kaisai devices leaders in their class and meet high expectations in terms of ecology, safety, energy efficiency, quiet operation, comfort of

use and manufacturer's warranty. Through many years of investment in technology, the Kaisai units have been recognized as some of the most innovative air-conditioning solutions, successfully implemented in public facilities and residential buildings.

Kaisai in the world



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

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

WE CARE ABOUT AIR

The motto "We Care about Air" derives from passion and understanding of human needs and is a declaration of responsibility for people and the environment. Our focus is on the quality and comfort of air – in the office, at home and in all rooms where people are present. Our values: respect for the environment, partnership with the Client, responsibility for the Employee, taking care of the business environment.



Kaisai participates in the programs of Klima-Therm Group Academy

The basic scope of the Academy's activities includes:

Product-related and technical trainings

Authorization trainings – KEH heat pumps

Sales trainings

Testing Kaisai products

The Academy of the Klima-Therm Group is an innovative educational and research project, which main objective is to constantly boost the knowledge of the industry environment regarding current trends in the field of air conditioning and ventilation as well as the latest technological, design-related and product solutions. Thanks to the Academy's activity, customers can be sure of the professional knowledge of installers: it is a guarantee of safety and trouble-free operation of our equipment.

Kaisai is committed to ensure the highest quality of its products and installations. The Kaisai Authorized Service Partners, as members of the Klima-Therm Group, benefit from the training opportunities offered by the Academy. Trained installers not only receive theoretical knowledge, but can also acquire practical skills under the supervision of qualified trainers. The Academy has 3 training centers serving customers from all over Poland: in Gdansk, Warsaw and Katowice.

Kaisai products meet stringent safety, health and environmental requirements and have been awarded several labels and certifications. The refrigerants used are certified by the National Institute of Public Health.

CE

ISO
9001:2000

A++
(EU)626/2011

A+
(EU)626/2011

PZH
Certificate

Discover Kaisai **technology**

User guide

14 Air conditioning selection

- Air conditioning in the house
- Operating costs
- Air conditioning is about ensuring comfort and health
- Choice of air conditioner
- Relevance of the energy efficiency class

18 Heat pump – benefits

- Low operating costs
- User comfort
- Safe use
- Green energy source
- Comfort all year round
- Reducing CO2 emissions

20 Air curtains

- Description of operation
- Benefits of air curtains

22 Environmental protection

- GWP – what is it?
- ODP – what is it?
- 20/20/20 program
- Refrigerants
- Energy efficiency class

25 The most interesting features of Kaisai units

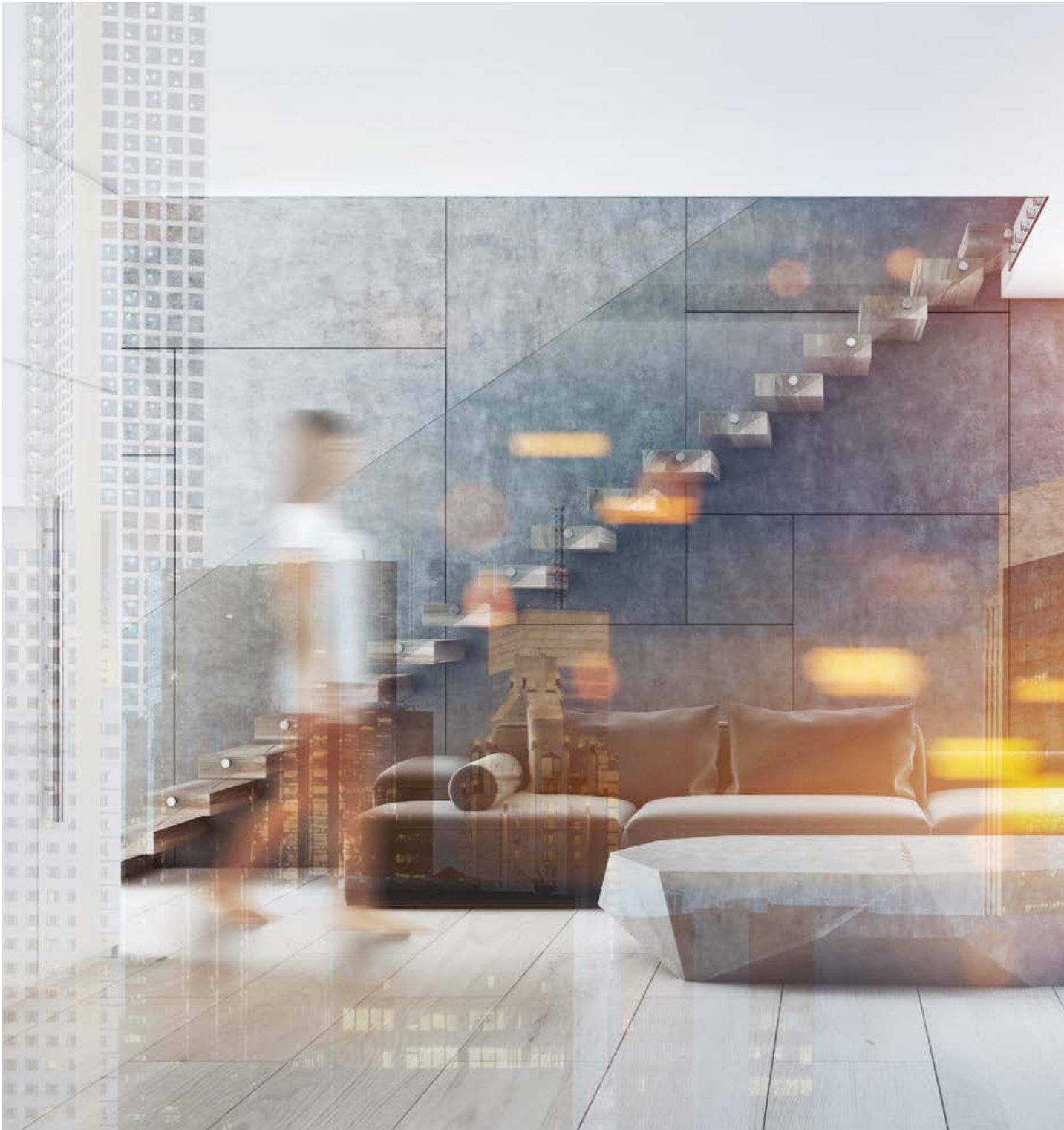


More information about air conditioning, heating and ventilation can be found in the guide at our website:

kaisai.pl/poradnik

The guide prepared by us will introduce you to the world of air conditioning and will enable selection of units meeting the specific user's needs. Please contact our consultants who will quickly and reliably answer your questions about Kaisai products.

Selection of air conditioning system



Air conditioning **in house application**

From March to September, the days are longer and the temperatures are higher. Especially in the period from June to August there are periods of several weeks of heat, which can cause discomfort while staying indoors. We recommend to consider it in advance, ensuring the ideal, comfortable air temperature regardless of the season and day.

Air conditioning was previously associated mainly with office premises and public buildings. Currently, it is within the financial reach of individual users. In addition, thanks to the heating function available in state-of-the-art units, air conditioners can also serve as an additional source of heat in colder periods. Air conditioning is an efficient and economical alternative to fans and electric heaters - it consumes up to 4 times less electricity.



Operating costs

Domestic air conditioning is fundamentally different in terms of power consumption from more demanding industrial air conditioning. A device with a capacity of 2.6 kW consumes less than 1 kW of electricity per hour of operation, which costs about 0.10 EUR.*

There are a number of general recommendations and indicators to help users determine the required power level. The most important parameter is the cubic capacity of the air-conditioned room. It is assumed that a cooling capacity requirement of 40 W/m³, or 120 W per m² of surface area, can be estimated for standard rooms of approximately 3 m in height. This means that even the smallest 2.6 kW air conditioner can be sufficient for a room of 21 m².

*Cost estimated for Warsaw (Poland) 2019.

HINTS **AIR CONDITIONING**

Air conditioning is about ensuring comfort and health

Home air conditioning is the comfort available for everyone. It allows you to freely control the temperature in your home, apartment, office or small retailer – replacing or complementing the central heating system. However, the advantages of an air-conditioning system do not stop there. Implementation of air-conditioning unit turns out to be an excellent way to take care of the health of all users. Modern air conditioners eliminate bacteria and fungi from the air, preventing diseases caused by them, and special filters improve the overall air quality. Air conditioning is also a good solution for maintaining adequate air parameters, when the outdoor air is heavily polluted, e.g. by smog.



Relevance **of energy efficiency class**

The more energy-efficient the device is, the higher its energy class is. When buying an air conditioner, it is worth paying attention to the fact that the energy class of the air conditioner should be at least at the A level. When the air conditioner is in operation, remember to close the windows in the air conditioned room, thus contributing to savings in energy bills. Do not set too low temperature in a room with the remote control, as this may result in increased operating costs.



Selection of air conditioner

Each split air conditioner consists of two components: an outdoor unit and an indoor unit. The first one is installed outside the building, the second one – inside the room.

The principle of the air conditioner operation is based on the physical properties of the refrigerant, which in the case of Kaisai appliances is an ecological refrigerant – R32. Depending on the operating mode of the air conditioner, the refrigerant condenses or evaporates in the indoor unit, releasing heat to or extracting it from the environment accordingly. This way, the air in the room is heated or cooled, and thanks to the system of filters, the air is also purified.

The unit does not blow additional air from the outside, but only cools the air inside. It protects the health of the residents, especially when the air is polluted by the smog.

Heat pump – benefits

Heat pumps, by using the energy stored in the air, are able to heat your house and provide the domestic hot water. Operation of heat pump is made possible by a refrigerant that circulates in a closed circuit and transfers the heat from the environment into the building.

Low operating costs

Heat pumps make a substantial contribution to a significant reduction of the house operating costs. The costs of room heating and domestic hot water (DHW) can be reduced up to four-fold by means of the heat pump. By using the pump, we also reduce the maintenance costs of the system, among other things because there is no need for the chimney inspection.

Resident comfort

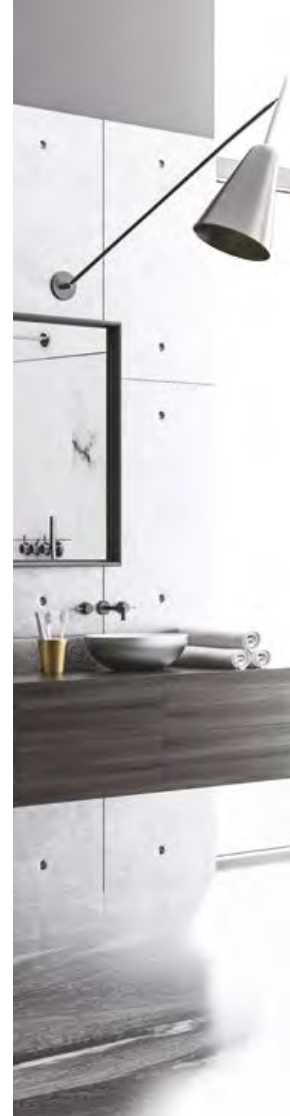
Heat pumps are the ideal solution because they provide comfort of operation thanks to the automation features. Convenient indoor temperature and desired domestic water parameters are set up using an intuitive controller. The user does not have to worry about turning on/off the heating system - the unit automatically maintains thermal comfort all year round.

Safe operation

Heat pumps are a very safe solution as they do not pose a fire hazard or a risk of gas escaping or exploding when compared to traditional domestic heating appliances. You do not need to worry about gas sensors and you can sleep peacefully.

Green energy source

Heat pumps are one of the ecological sources of energy, because instead of coal, gas or oil they make use of the air potential, using refrigerants that have a much smaller impact on the environment than non-renewable energy sources. The electricity supply also allows the use of home photovoltaics in the so-called "passive house system" (i.e. the system does not consume energy from outside).





An incredible advantage of air-to-water heat pumps is the fact that even 75-80% of the heat going to the heating system is free heat, obtained from the outdoor air. The remaining 20-25% is electric energy needed mainly for compressor and heating system circulation pumps.

Comfort **all year round**

The heat pump transfers the heat from the air to the water, heating up the water. The cold air coming out of the pump can be used to cool rooms, e.g. storerooms or technical facilities.

Reducing **CO₂** emissions

Heat pumps are an ideal alternative to gas and coal boilers, helping to reduce CO₂ emissions to the atmosphere. The units operate at the time indicated by the user and do not produce smoke, ash or any other harmful substances.

Air curtains – useful information



Description of operation

Air curtains are mounted above the entrance door. They create a strong stream of cold or warm air directed downwards, which prevents the inflow of air from outside the building and also creates an air barrier against dust, smoke and insects.



Benefits of air curtains

Air curtains are small but functional devices, which allow you to save energy by maintaining a constant temperature and avoiding unpleasant draughts inside a premise.

Their application makes air conditioning more effective and definitely cheaper to use both in cooling mode (does not allow for mixing with air from outside) and heating mode (prevents the flow of heat out of the room).

Air curtains are especially recommended for service premises and retail outlets – they reduce air conditioning bills in summer and heating bills in winter.

Environmental protection

GWP – what is it?

Greenhouse potential (GWP – Global Warming Potential) is a figure expressing the global warming potential of a refrigerant if released into the atmosphere. This is a relative value that compares the effect of 1 kg of refrigerant with the effect of 1 kg CO₂ per 100 years.

ODP – what is it?

Ozone Depletion Potential is an indicator of the harmfulness of chemical substances for the ozone layer. It is a value comparing the influence of a given refrigerant with the analogous mass of R11 refrigerant. The ODP value of R11 refrigerant is defined as 1, the modern refrigerant – R32 – has the potential defined as 0.



R32

Environmentally friendly refrigerant R32, available in the entire Kaisai product range

Kaisai currently applies the latest environmentally friendly refrigerant – R32 – in its products. It is more efficient than refrigerants applied before, so that the air-conditioning system requires less refrigerant volume and has significantly better environmental impact factors. It is a modern solution that takes into account both ecological needs and the economy of application.

Main characteristics of R32 refrigerant

ECOLOGICAL

R32 has the lowest GWP coefficient available on the market, equal to 675, and does not cause damage to the ozone layer, thanks to the ODP coefficient equal to 0. Compared to older solutions, it has as much as 75% less impact on global warming. What is more, it can also be recycled.

ECONOMICAL

Compared to R410A, R32 has a higher energy efficiency, so the air conditioning system requires less energy and the efficiency of the equipment increases by up to 10%.

SAFE

The R32 has low toxicity and low flammability – it does not pose a threat to life and health even in the event of leaks in the installation.

20/20/20 program

Kaisai follows the assumptions of the energy and climate change package, which assumes an increase in the consumption of energy from renewable sources and an increase in energy efficiency by 20% and a reduction in CO₂ emissions by 20% by 2020. Directive 2009/125/EC adopted by the European Union concerns the rules for setting requirements for Energy-related Products (ErP). From 1 January 2013, the provisions of the Directive apply to air conditioners with a cooling capacity of less than 12 kW.

20%

**Reducing CO₂
greenhouse gases**

20%

**Reducing primary
energy consumption**

20%

**Increasing the share
of renewable energy
sources**

R290

Safe and environmentally friendly
refrigerant available
in portable air conditioners

The refrigerant – R290 – is known as propane, a colorless, odorless organic compound belonging to the group of saturated hydrocarbons existing in natural gas fields.

Devices based on propane have been successfully operating in various countries of the European Union for many years. The propane popularity is steadily increasing due to its low environmental impact while maintaining very good thermodynamic properties. The R290 factor has a zero ODP, which means no negative impact on the ozone layer, and an exceptionally low GWP, which indicates the global warming potential. Propane is a combustible gas and has a flammability limit of 2.1% by volume in the air. This means that with 230g of R290 in Kaisai appliances and special fireproofing, it is also safe for use in confined spaces.

R290 has a low sensitivity to moisture and does not cause corrosion, so it can operate in refrigeration systems equipped with both hermetic and semi-hermetic compressor units.



Energy **efficiency class**

Energy labels shall be affixed to any electrical household appliance sold in the European Union. This is regulated by the special EU Directive 2010/30/EU. Labels inform the user about the quality of the product, taking into account its energy efficiency. The label ensures that everyone before the purchase decision can find out which unit will be the cheapest to operate. The energy efficiency rating, also referred to as the energy class, is indicated by the letters: for air conditioners, a scale from G (lowest) to A++++ (highest) has been determined.

We also use energy efficiency coefficients to assess energy savings: SEER for cooling and SCOP for heating. These factors determine the ratio of the cooling/heating power achieved by the air conditioner to the electrical power drawn by the unit from the mains during an entire season. Units with SEER=6 and SCOP=4 (class A++) from 1 kW of electricity on average per season can generate 6 kW of cooling energy or 4 kW of heat energy and can be up to 4 times cheaper in operation than fans and electric heaters.

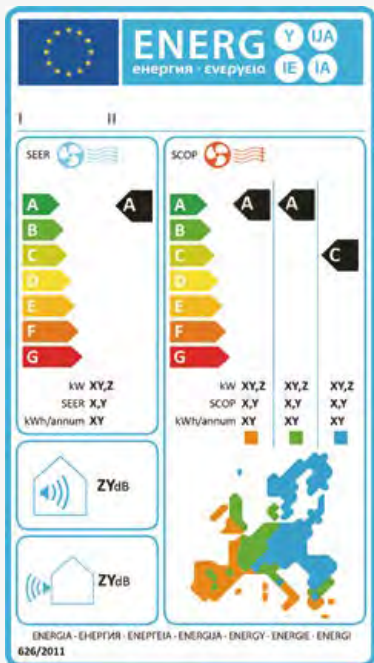
10-grade energy efficiency scale (from A++++ to G)

Power efficiency for cooling and heating

Efficiency determination based on calculations of multiple features, corresponding to the actual power consumption of the machine during operation

Sound power level

Data for 3 seasons (moderate – required, hot and cold – optional)



CURRENT ENERGY LABEL

Valid from 1 January 2013. Air conditioners up to 12 kW

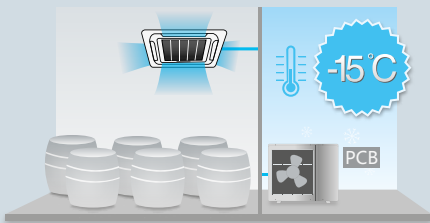
	SEER (cooling)	SCOP (heating)
A⁺⁺⁺	SEER ≥ 8.50	SCOP ≥ 5.10
A⁺⁺	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A⁺	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80
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

Featured functions



Operation at **low outdoor temperatures**

Thanks to the specially designed control board, the air conditioner can operate as a cooling function even at outdoor temperatures down to -15°C .



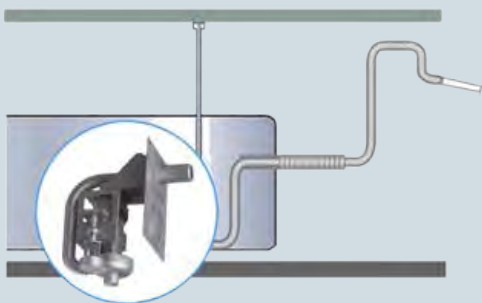
Temperature sensor

The temperature sensor is built into the remote control. Thanks to this, the temperature measurement is performed close to the resident, while the operation of the air conditioner is adjusted to the actual room conditions.



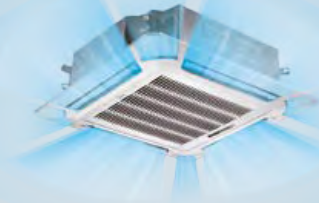
Built-in **condensate pump**

Thanks to the integrated pump, condensate can be removed up to a height of 750 mm.



360° **air supply**

Cassette air conditioners are equipped with additional supply air slots in the panel. This design ensures 360° fan operation which provides even better air distribution in an air-conditioned room.



HINTS UNIT FEATURES



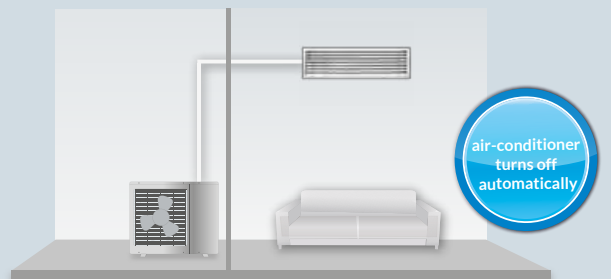
Automatic restart

In case of the units equipped with the automatic restart function, the air conditioner remembers the last settings when the power supply is interrupted and automatically restores them when power is resumed.



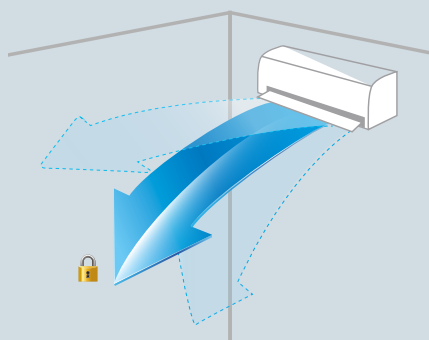
Indication of refrigerant leakage

The air conditioner has a refrigerant leakage indication function. If the unit detects a leak, the indoor unit display shows EC message and the air conditioner is automatically switched off. This function also protects the compressor against damage.

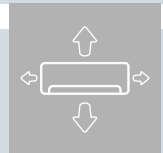


Memory of louvers settings

Thanks to the louvers settings saving function, after each shutdown the air conditioner retains the last settings and restores them after restarting.



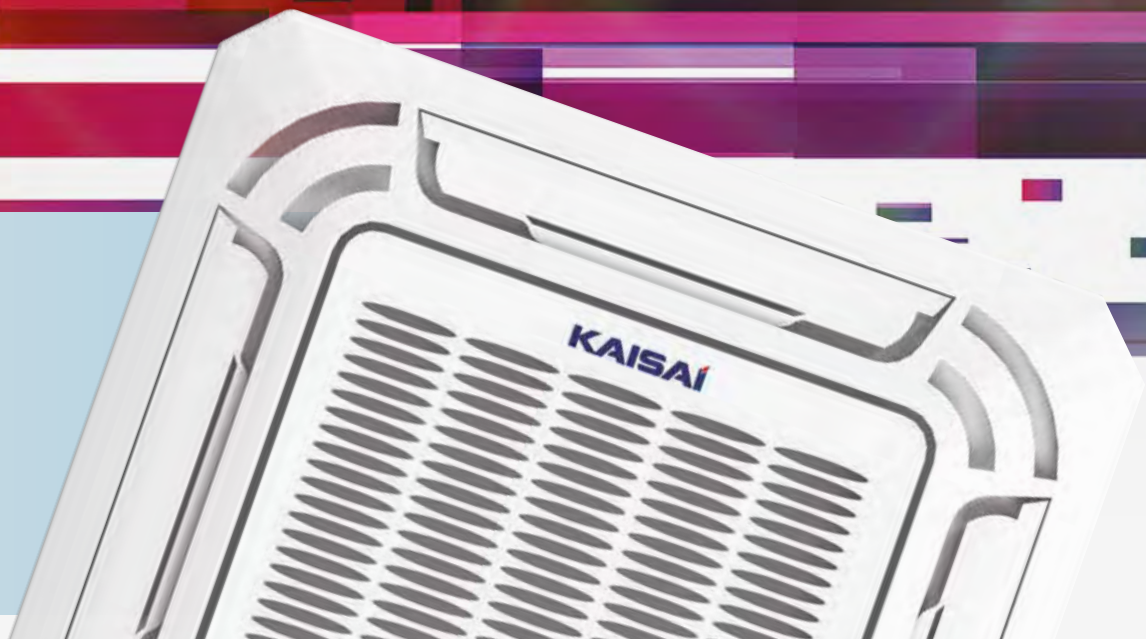
Previous louvers setting



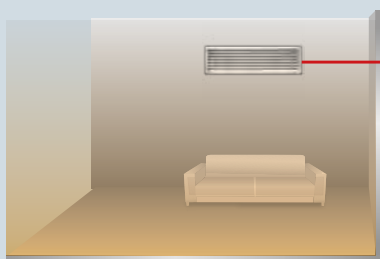
3D air flow

Horizontal and vertical louvers are controlled automatically and ensure uniform temperature distribution in a room as well as optimum air circulation.

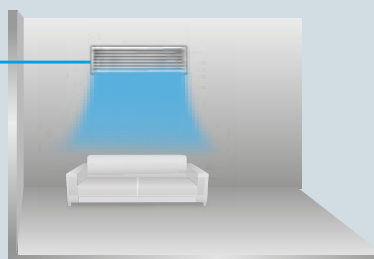




WITHOUT EMERGENCY START FUNCTION

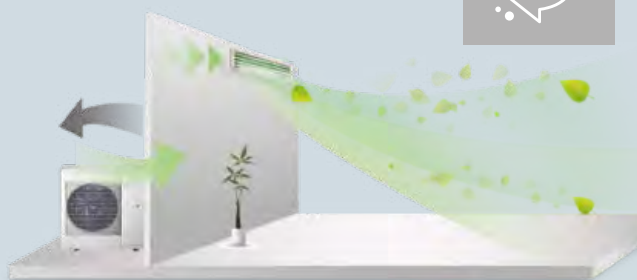


WITH EMERGENCY START FUNCTION



Emergency use

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

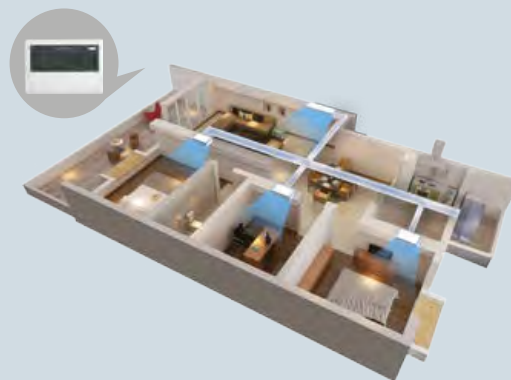
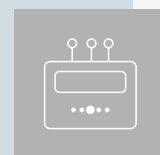


Fresh air

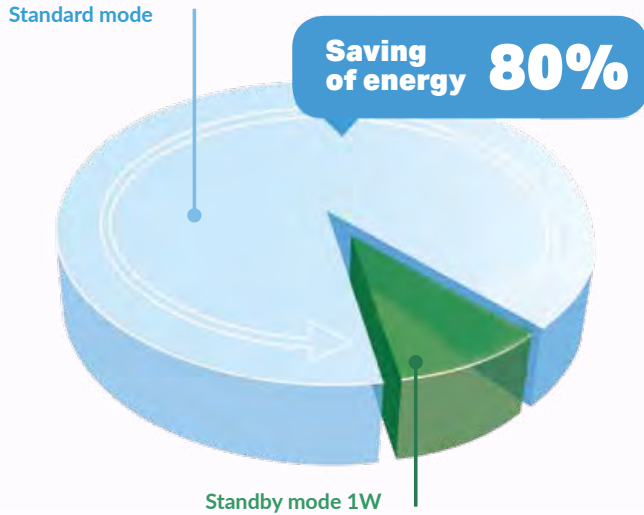
The outdoor air can be supplied via a connecting duct to the air conditioner, thus improving the thermal comfort in the room.

Central controller

Possibility of connecting a central controller, controlling up to 64 indoor units.



HINTS **UNIT FEATURES**



Standby **mode**

In standby mode, the power supply is disconnected from unused electronic components, reducing power consumption to 1W. Compared to standard devices that consume 5W on average in standby mode, it saves about 80% of energy.



Constant heating **8°C**

The function of maintaining a constant temperature of 8°C in heating mode is a solution especially useful in bungalows/ camping pods and detached houses.

It keeps the air conditioner at a constant temperature of up to 8°C; it prevents rooms from cooling down and pipes from freezing. This prevents the build-up of moisture and thus the development of microorganisms and fungi. Air conditioners

with this option are more efficient solution than commonly used electric heaters with thermostats.

This is what distinguishes Kaisai home air conditioners in their class. Combined with the Smart AC function and the ability to set the temperature at a distance, this makes our products ideal for users who are often away from home.

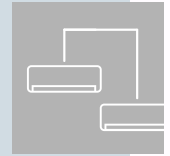
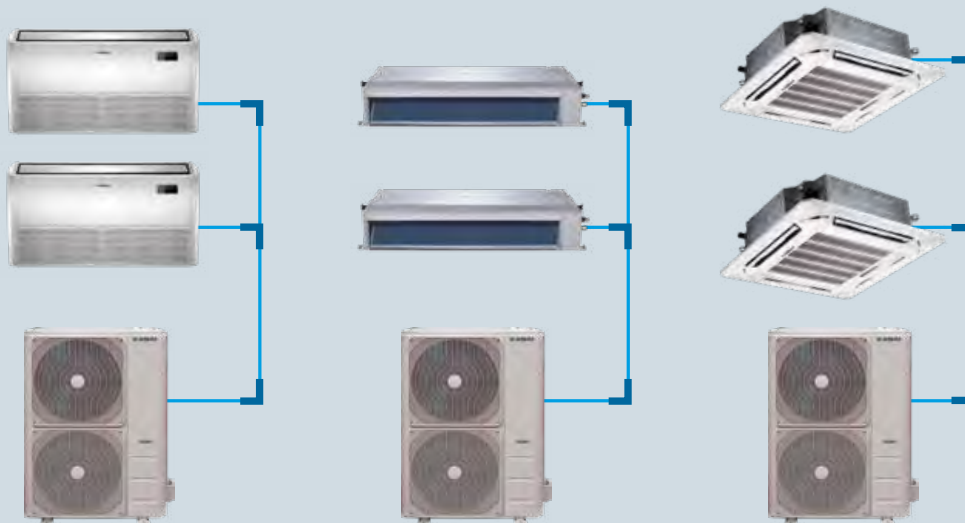
Twin system

The TWIN system allows you to connect two indoor units of the same power level to a single outdoor unit.

The system consists of an outdoor unit with a cooling capacity of 10.6 or 14.0 kW, a T-piece separating the refrigerant flow and two indoor units with a capacity of 5.3 kW or 7.0 kW. They work simultaneously, so they are ideal for air conditioning of large rooms such as conference and banquet rooms, open space offices, restaurants and other service

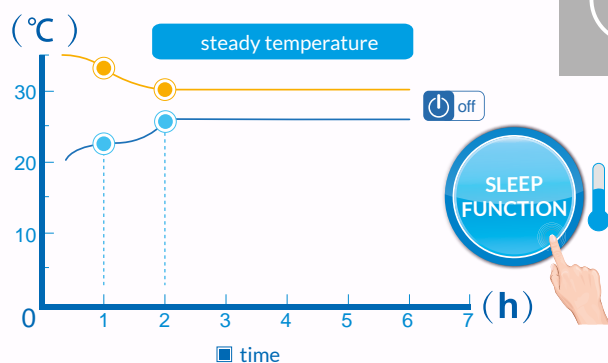
and commercial facilities. Equal operation of two air conditioners makes it easier to maintain uniform temperature throughout the room. This solution, like the Multi Split system, also saves space, by using a single outdoor unit.

The Twin system can be used with Kaisai air conditioners: floor and ceiling air conditioners, Slim duct air conditioners, Super Slim cassette air conditioners.



Sleep function

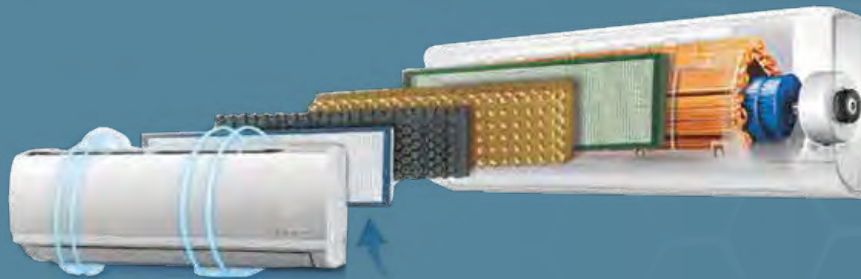
Activating the sleep function causes the unit to increase the set temperature by 1°C per hour in cooling mode (to decrease – in heating mode) within two hours. During this time the fan is running at low speed. The air conditioner switches off after 5 hours. Slow, unnoticeable temperature change and automatic shutdown guarantee comfort and energy saving.



Breathe clean air

For the sake of **air quality**

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



Self-cleaning of heat exchanger

In order to ensure the highest hygienic standards and comfort of use, Kaisai brand appliances use the latest self-cleaning technology of the internal heat exchanger.

After operation, the air conditioner switches to the cleaning mode. During the process, it removes moisture accumulated in the unit, which prevents the growth of microorganisms and fungi.

Kaisai air conditioners are designed for the sake of health and comfort of users.

Filter with **silver ions**

The silver ion filter is designed to destroy bacteria and prevent the development of microorganisms such as viruses and fungi. The internal structure of silver ions destroys microorganisms.



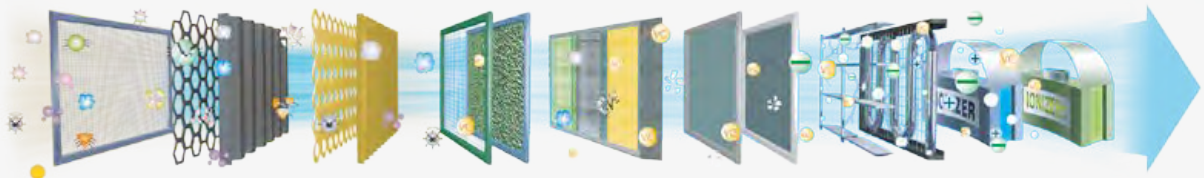
Filter with **C vitamin**

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



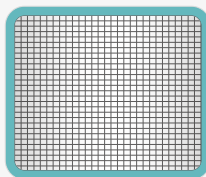
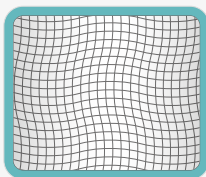
Catalytic **filter**

By using a multilayer catalyst layer and a fiber layer, the filter removes harmful particles and unpleasant odors from the air. It also eliminates volatile formaldehyde particles and harmful organic compounds.



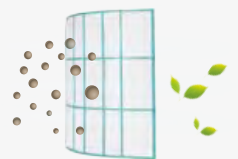
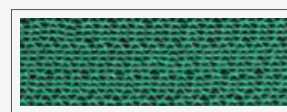
High-density filter

Application of high density filters significantly increases the efficiency of dirt trapping – 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 respiratory diseases.



Modern technologies

Kaisai units are characterized by high quality of workmanship and application of modern technologies – all for the convenience of the user. Efficient and comfortable air conditioning is now available for everyone.

inverter

Inverter technology

Inverter technology in Kaisai air-conditioning units reduces power consumption, which in turn lowers down the cost of cooling rooms. Its application means quiet operation of the device and faster achievement of the desired air temperature.

Due to application of robust and pressure-resistant materials, the compressor in Kaisai air conditioners is extremely reliable element. In addition, it has a high-performance motor with a wide voltage range, so it can operate under extreme conditions in 24-hour mode and reach temperatures up to 60°C (230V/50Hz).



HIGH-PERFORMANCE MOTOR



WIDE VOLTAGE RANGE



DURABLE COMPRESSOR MATERIAL



HIGH-PRESSURE RESISTANCE



total
65m



vertical
30m

Total installation length

Kaisai's Split range units enable installation of indoor and outdoor units at a large distance from each other – up to 65 m in total and up to 30 m vertically. This makes it much easier to plan even in older buildings. You don't have to adjust the design of your house to the air-conditioning system – we adapt it to your needs.

Operating temperature:

Thanks to modern technology and the new R32 refrigerant, Kaisai air conditioners can operate in a wide range of outdoor temperatures: -15°C to 50°C in cooling mode and -25°C to 30°C in heating mode.

They can do their job all year round, providing users with cooling comfort in summer and additional heating in winter.

cooling [°C]

-15 ÷ 50

heating [°C]

-25 ÷ 30



Dimensions and **design**

We make every effort to ensure that Kaisai appliances follow the latest trends in design: we want the air conditioner to be neatly shaped and in line with the trend of modern interior design.

In addition, when designing indoor cassette and duct units, we take into account the space occupied by the equipment. Thanks to the optimal size of the devices, the suspended ceiling does not require much technical space and thus leaves more room for use.



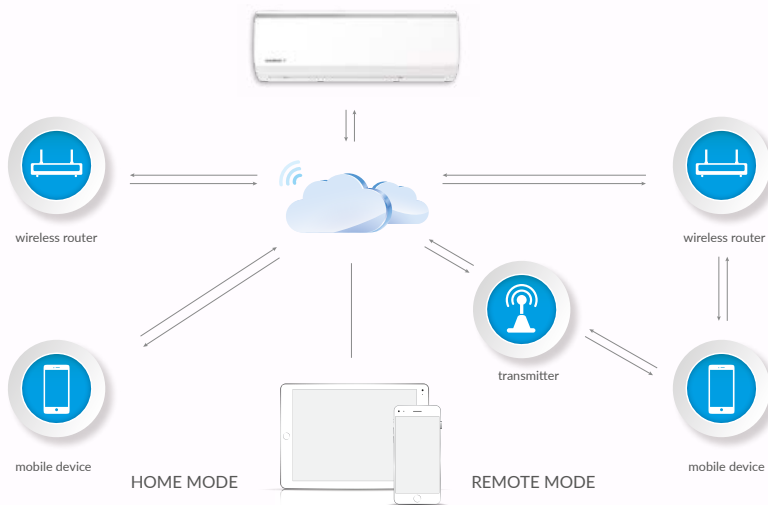
WiFi

Kaisai products comprise number of features improving the usage comfort, for example, new control options, so that managing the air conditioning has never been so convenient and easy.

Smart AC

Smart AC is a WiFi module that comes as standard with all Kaisai wall-mounted air conditioners. Thanks to its application, the user can control the device through an application installed on a tablet or smartphone, also while away from home or office.

Using the WiFi function, the user can turn the device on or off, change the temperature and some operating functions from anywhere in the world, where there is Internet access. Control via WiFi allows you to save electricity and improve the comfort of operating air conditioning system by controlling the temperature in the apartment or office from any location.



Product range

36 Split air conditioners

Compact dimensions provide a subtle, elegant look, and a number of unit types allow them to be adapted to different types of interiors – both at home, in offices and in retail outlets.



Portable air conditioners

56

Portable air conditioners are used where it is not possible to install split air conditioners. Thanks to their modern design, they are suitable for home and office interiors.



62 Multi Split systems

These systems are recommended for buildings requiring air conditioning in many rooms. All the advantages of split-type devices with a single outdoor unit are retained.



68 Air curtains

Air curtains are an important addition to air conditioning in commercial premises. By creating an outdoor air barrier, they reduce the energy consumption of the air conditioning system and increase the comfort of the air in passageways.



76 Heat pumps

Air-to-water heat pumps use the energy stored in the air to heat the building and to achieve high temperatures for domestic hot water. They are an economic and ecological solution for everyone.



80 Controllers

Kaisai's wide range of controllers allows you to conveniently adjust the air conditioners to your needs. Wired controllers, wireless remote controls and the Smart AC – WiFi function allow you to comfortably use and adjust the operation of air conditioners for the most demanding users.





A+

R32



fly

wall-mounted air conditioners

KWX 09 | 12 | 18 | 24 HRDI



The Kaisai Fly energy-saving wall-mounted air conditioner with R32 refrigerant combines elegance with functionality. Its universal, timeless design makes it suitable for any interior.

The device enables effective operation in the heating mode at outdoor temperature even down to -25°C. WiFi function as standard increases the convenience of air conditioning control, and a modern wireless remote control allows you to use 3 additional functions: evaporator self-cleaning (Self Clean), continuous heating 8°C (Heating 8°C) and temperature sensor in the remote control (Follow Me).



KWX 09 | 12 | 18 | 24 HRDI



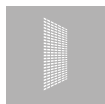
excellent solution for bedroom, sitting room or office



UNIT FUNCTIONS



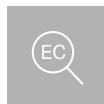
Wide range of temperatures



Filter with high-density



Memory of louvers settings



Indication of refrigerant leakage



Operation at low outdoor temperature



Control WiFi



Emergency use



Temperature sensor in remote control unit



Standby mode



Evaporator self-cleaning



Self-diagnosis



8°C heating function



Mono- and multi-unit



Timer



Automatic restart



Sleep function



WiFi module as standard



Filter with silver ions



Filter with C vitamin



3M filter

TECHNICAL SPECIFICATION

MODEL	indoor unit		KWX-09HRDI	KWX-12HRDI	KWX-18HRDI	KWX-24HRDI
	outdoor unit		KWX-09HRDO	KWX-12HRDO	KWX-18HRDO	KWX-24HRDO
Capacity average (min-max)	cooling	kW	2.6(0.9÷3.4)	3.5(1.1÷4.2)	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(1.4÷6.7)	7.3(1.6÷8.8)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6.2	6.1	7.1	6.1
SCOP	average	W/W	4	4	4	4
Power input average (min-max)	cooling	W	710(100÷1,240)	1,237(130÷1,580)	1,539(140÷2,360)	2,345(160÷2,960)
	heating	W	739(120÷1,200)	964(100÷1,580)	1,480(200÷2,410)	2,035(260÷3,140)
Operation current average (min-max)	cooling	A	3.1(0.4÷5.4)	5.4(0.5÷6.9)	6.9(0.6÷10.3)	10.2(0.7÷13.3)
	heating	A	3.2(0.5÷5.2)	4.2(0.4÷6.9)	6.4(0.9÷10.5)	10.2(1.1÷13.3)
Air flow	indoor	m ³ /h	520/460/360	600/500/360	840/680/540	980/817/662
	outdoor	m ³ /h	1,700	1,700	2,500	3,000
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)	40/30/26/21	40/34/26/22	44/37/30/25	44.5/42/34.5/28
	outdoor	dB(A)	55.5	56	56	59.5
Net dimensions w/h/d	indoor	mm	805/285/194	805/285/194	957/302/213	1,040/327/220
	outdoor	mm	700/550/275	700/550/275	800/554/333	845/702/363
Transport dimensions w/h/d	indoor	mm	870/360/270	870/360/270	1035/380/295	1,120/310/405
	outdoor	mm	815/615/325	815/615/325	920/615/390	965/765/395
Net weight	indoor	kg	7.5	7.5	10	12.3
	outdoor	kg	22.7	22.7	34	51.5
Transport weight	indoor	kg	9.7	9.7	13	15.8
	outdoor	kg	25.2	25.2	36.7	54.5
Pipe diameter: liquid/gas		mm	6.35/9.52	6.35/9.52	6.35/12.7	9.52/15.9
Total length of installation		m	25	25	30	50
Max. level 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 m	kg	0.5	0.5	1	1.6
Additional amount of refrigerant	over 5 m	g/m	12	12	12	24
NET PRICE EUR			672	718	1141	1485

ACCESSORIES AND CONTROLLERS



WIRELESS
CONTROL UNIT
RG57



WIRED
CONTROLLER
KJR12B
(OPTIONAL)



WIRED
CONTROLLER
KJR90A
(OPTIONAL)



A⁺

R32

kue

floor/ceiling air conditioner

KUE 18 | 24 | 36 | 48 | 55 HRF32

Universal air conditioners that are ideal for rooms without suspended ceilings.

They are characterized by a three-dimensional supply of air through the automatic control of the louvers, which ensures optimal air circulation and uniform temperature distribution. The timer gives the possibility to set the time of automatic switching on and off the air conditioner. To minimize the feeling of an unpleasant, cool airflow, the air conditioner starts in heating mode and automatically reduces the fan speed until the heat exchanger is heated.





KUE 18 | 24 | 36 | 48 | 55 HRF32

it will work effectively in office, as well as in house



UNIT FUNCTIONS

- | | | | | | | | | |
|-----------------------------------|--------------------------------------|----------------------------|-------------------|---|----------------------|--------------------------|---------------------|--------------------------------|
| | | | | | | | | |
| Indication of refrigerant leakage | Operation at low outdoor temperature | Memory of louvers settings | Emergency use | Timer | Port on-off | Alarm port | Twin combination | Cold air supply control |
| | | | | OPTIONAL
 | OPTIONAL
 | OPTIONAL
 | OPTIONAL
 | OPTIONAL
 |
| Two-sided installation | 360° 3d | Fresh air | Automatic restart | Temperature sensor in remote control unit | 8°C heating function | Built-in condensate pump | Central controller | Customized remote control unit |

TECHNICAL SPECIFICATION

MODEL	indoor unit		KUE-18HRF32	KUE-24HRF32	KUE-36HRF32	KUE-48HRF32	KUE-55HRF32
	outdoor unit		KOB30U -18HFN32	KOCA30U -24HFN32	KOD30U -36HFN32	KOE30U- 48HFN32	KOE30U- 55HFN32
Capacity average (min-max)	cooling	kW	5.3(1.3÷6.1)	7.0(2.2÷8.2)	10.5(2.6÷12.0)	14.2(5.0÷15.1)	15.9(5.3÷17.0)
	heating	kW	5.6(1.8÷7.0)	7.6(2.4÷8.6)	11.1(2.9÷13.2)	16.1(3.8÷18.0)	18.2(4.4÷19.6)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6.1	6.1	6.1	6.1	6.1
SCOP	average	W/W	4	4	4	4	4
Power input average (min-max)	cooling	W	1,640(280÷2,150)	2,190(480÷2,850)	3,950(660÷4,500)	5,500(1,158÷5,703)	6,063(1,227÷6,296)
	heating	W	1,500(330÷2,180)	2,050(500÷2,880)	3,000(6,500÷4,550)	5,050(1,026÷6,200)	6,036(1,022÷6,546)
Operation current average (min-max)	cooling	A	7.1(1.2÷9.3)	9.5(2.1÷12.4)	7.2(1.2÷8.2)	9.1(1.8÷9.3)	10.5(1.9÷10.3)
	heating	A	6.5(1.4÷9.5)	8.9(2.2÷12.5)	5.2(1.5÷8.3)	8.1(1.6÷10.3)	9.9(1.6÷10.8)
Air flow	indoor	m ³ /h	902/786/677	1,208/1,066/853	2,160/1,844/1,431	2,329/1,930/1,417	2,454/1,834/1,426
	outdoor	m ³ /h	2,100	2,700	4,000	7,500	7,500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷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
Sound pressure level	indoor	dB(A)	45/40/37	50/46/41	51/47/42	54/50/46	54/47/42
	outdoor	dB(A)	57	62	64	66	66
Net dimensions w/h/d	indoor	mm	1,068/675/235	1,068/675/235	1,650/675/235	1,650/675/235	1,650/675/235
	outdoor	mm	800/554/333	845/702/363	946/810/410	952/1,333/410	952/1,333/410
Transport dimensions w/h/d	indoor	mm	1,145/755/313	1,145/755/313	1,725/755/313	1,725/755/313	1,725/755/313
	outdoor	mm	920/615/390	965/765/395	1,090/865/500	1,095/1,470/500	1,095/1,470/500
Net weight	indoor	kg	26.6	26.8	39	41.2	41.4
	outdoor	kg	35.6	66.8	81.5	106.7	111.3
Transport weight	indoor	kg	31.8	31.9	45	47.6	47.8
	outdoor	kg	38.5	72.6	87	119.9	124.3
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
Max. length of installation		m	30	50	65	65	65
Max. level difference		m	20	25	30	30	30
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
	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	16	20	16	16	16
Power supply lines	indoor	# of wires x mm ²	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5
	outdoor	# of wires x mm ²	3x2.5	3x2.5	5x2.5	5x2.5	5x2.5
Control lines	ind. outd.	# of wires x mm ²	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded
Factory amount of refrigerant	up to 5 rm	kg	1.35	1.5	2.4	2.8	2.95
Additional amount of refrigerant	over 5 rm	g/m	12	24	24	24	24
Ext. diameter of the condensate drain		mm	25	25	25	25	25
NET PRICE EUR			1656	2125	3531	4140	4266

ACCESSORIES AND CONTROLLERS



WIRELESS
CONTROL UNIT
RG57



WIRED
CONTROLLER
KJR12B
(OPTIONAL)



WIRED
CONTROLLER
KJR90A
(OPTIONAL)



CENTRAL
CONTROLLER
CCM03
(OPTIONAL)



A+

R32

kca

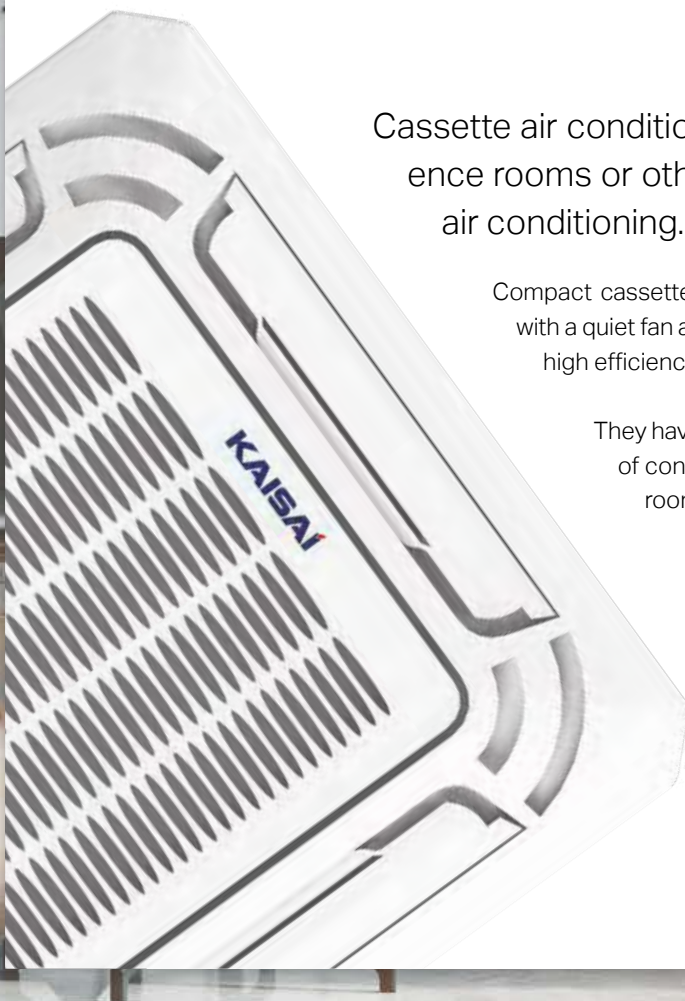
compact cassette air conditioners

KCA3U 12 | 18 HRF32X

Cassette air conditioners are perfect for offices, conference rooms or other large rooms that require efficient air conditioning.

Compact cassette air conditioners are equipped with an indoor unit with a quiet fan and a peripheral air supply. They are characterized by high efficiency and high comfort of use.

They have a function of supplying fresh air and the possibility of connecting an additional air supply duct to the adjacent room.



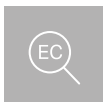


KCA3U 12 | 18 HRF32X

ideal solution
for shops,
offices and
service
premises



UNIT FUNCTIONS



Indication of refrigerant leakage



Operation at low outdoor temperature



Memory of louvers settings



Emergency use



Built-in condensate pump



Alarm on-off



Alarm port



360° air flow



Cold air flow control



Temperature sensor



Fresh air



Automatic restart



Self-diagnosis



Mono and multi



OPTIONAL
Temperature sensor in remote control unit



OPTIONAL
8°C heating function



OPTIONAL
Central controller



OPTIONAL
Customized remote control unit

TECHNICAL SPECIFICATION

MODEL	indoor unit		KCA3U-12HRF32X	KCA3U-18HRF32X
	outdoor unit		KOB30-12HFN32X	KOB30-18HFN32X
Capacity average (min-max)	cooling	kW	3.5(1.52÷5.28)	5.3(2.9÷5.74)
	heating	kW	4.4(1.03÷5.57)	5.4(2.37÷6.10)
Energy class	cooling/heating		A++/A++	A++/A+
SEER	average	W/W	7.8	6.1
SCOP	average	W/W	4.6	4
Power input average (min-max)	cooling	W	850(350÷1,600)	1,633(720÷1,860)
	heating	W	1,100(310÷1,800)	1,460(700÷1,930)
Operation current average (min-max)	cooling	A	3.8(1.6÷7.1)	7.2(3.2÷8.2)
	heating	A	5.0(1.4÷7.9)	6.4(3.1÷8.5)
Air flow	indoor	m³/h	617/504/416	720/625/540
	outdoor	m³/h	2,000	2,100
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	41/36/33	42.5/39/35.5
	outdoor	dB(A)	60	55
Net dimensions w/h/d	indoor	mm	570/260/570	570/260/570
	outdoor	mm	647/50/647	647/50/647
	panel	mm	800/554/333	800/554/333
Transport dimensions w/h/d	indoor	mm	662/317/662	662/317/662
	outdoor	mm	715/123/715	715/123/715
	panel	mm	920/615/390	920/615/390
Net weight	indoor	kg	16/2.5	16/2.5
	outdoor	kg	34.7	35.5
Transport weight	indoor	kg	21.4/4.5	21.4/4.5
	outdoor	kg	37.5	38.5
Pipe diameter: liquid/gas		mm	6.35/9.52	6.35/12.7
Max. length of installation		m	25	30
Max. level difference		m	10	20
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	16	16
Power supply lines	indoor	# of wires x mm²	-	-
	outdoor	# of wires x mm²	3x2.5	3x2.5
Control lines	indoor outdoor	# of wires x mm²	5x1.5	4x1.5
Factory amount of refrigerant	up to 5 m	kg	0.87	1.35
Additional amount of refrigerant	over 5 m	g/m	12	12
Ext. diameter of the condensate drain		mm	25	25
NET PRICE EUR			1500	1781

ACCESSORIES AND CONTROLLERS



REMOTE CONTROL UNIT
RG57



WIRED CONTROLLER
KJR12B (OPTIONAL)



WIRED CONTROLLER
KJR90A (OPTIONAL)



CENTRAL CONTROLLER
CCM03 (OPTIONAL)



A+

R32

kcd

super slim cassette air conditioners

KCD 24 | 36 | 48 | 55 HRF32

Universal air conditioners, which are ideal for use in rooms with suspended ceilings with particularly low technical space.

Cassette air conditioners are equipped with additional supply air gaps in the panel. Thanks to this design, the 360° fan operation can provide even better air distribution in an air-conditioned room.

Super Slim cassette units can work in Twin system, making it easier to maintain uniform temperature in the room.






















KCD 24 | 36 | 48 | 55 HRF32

Comfort and modern design for office or shop



UNIT FUNCTIONS

- | | | | | | | | | |
|---|---|---|---|---|--|---|--|--|
|  |  |  |  |  |  |  |  |  |
| Indication of refrigerant leakage | Operation at low outdoor temperature | Memory of louvers settings | Emergency use | Built-in condensate pump | Alarm on-off | Alarm port | Twin combination | Cold air flow control |
|  |  |  |  |  | OPTIONAL
 | OPTIONAL
 | OPTIONAL
 | OPTIONAL
 |
| 360° air flow | Temperature compensation | Fresh air | Automatic restart | Self-diagnosis | Temperature sensor in remote control unit | 8°C heating function | Central controller | Customized remote control unit |

TECHNICAL SPECIFICATION

MODEL	indoor unit		KCD-24HRF32	KCD-36HRF32	KCD-48HRF32	KCD-55HRF32
	outdoor unit		KOCA30U-24HFN32	KOD30U-36HFN32	KOE30U-48HFN32	KOE30U-55HFN32
Capacity average (min-max)	cooling	kW	7.0(2.2÷8.2)	10.5(2.6÷12.0)	14.0(4.8÷14.6)	15.7(5.3÷16.7)
	heating	kW	7.6(2.4÷8.6)	11.1(2.9÷13.2)	16.1(3.9÷16.8)	18.2(4.4÷19.3)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6.1	6.1	6.1	6.1
SCOP	average	W/W	4	4	4	4
Power input average (min-max)	cooling	W	2,190(480÷2,850)	3,950(660÷4,500)	5,130(1,174÷5,602)	5,951(1,147÷6,682)
	heating	W	2,050(500÷2,880)	3,000(650÷4,550)	5,050(987÷5,378)	6,036(1,022÷6,448)
Operation current average (min-max)	cooling	A	9.5(2.1÷12.4)	7.2(1.2÷8.2)	8.3(1.8÷9.3)	9.8(1.8÷11.0)
	heating	A	8.9(2.2÷12.5)	5.5(1.2÷8.3)	8.2(1.6÷8.8)	9.9(1.6÷10.6)
Air flow	indoor	m³/h	1,378/1,200/1,032	1,775/1,620/1,438	1,715/1,568/1,381	1,970/1,737/1,537
	outdoor	m³/h	2,700	4,000	7,500	7,500
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/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	47/43/40	52/49/46	52/50/49	53/50/48
	outdoor	dB(A)	62	64	66	66
Net dimensions w/h/d	indoor	mm	840/245/840	840/245/840	840/287/840	840/287/840
	outdoor	mm	950/55/950	950/55/950	950/55/950	950/55/950
	panel	mm	845/702/363	946/810/410	952/1,333/410	952/1,333/410
Transport dimensions w/h/d	indoor	mm	900/265/900	900/265/900	900/292/900	900/292/900
	outdoor	mm	1,035/90/1,035	1,035/90/1,035	1,035/90/1,035	1,035/90/1,035
	panel	mm	965/765/395	1,090/865/500	1,095/1,470/500	1,095/1,470/500
Net weight	indoor	kg	23/5	27.5/5	29/5	29.7/5
	outdoor	kg	66.8	81.5	106.7	111.3
Transport weight	indoor	kg	27/8	31/8	32.7/8	33.4/8
	outdoor	kg	72.6	87	119.9	124.3
Pipe diameter: liquid/gas		mm	9.52/15.9	9.52/15.9	9.52/15.9	9.52/15.9
Max. length of installation		m	50	65	65	65
Max. level difference		m	25	30	30	30
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
	outdoor	V/Hz/Ph	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	20	16	16	16
Power supply lines	indoor	# of wires x mm²	3x1.5	3x1.5	3x1.5	3x1.5
	outdoor	# of wires x mm²	3x2.5	5x2.5	5x2.5	5x2.5
Control lines	indoor outdoor	# of wires x mm²	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded
Factory amount of refrigerant	up to 5 m	kg	1.5	2.4	2.8	2.95
Additional amount of refrigerant	over 5 m	g/m	24	24	24	24
Ext. diameter of the condensate drain		mm	32	32	32	32
NET PRICE EUR			2219	3531	3970	4328

ACCESSORIES AND CONTROLLERS



WIRELESS
CONTROL UNIT
RG57



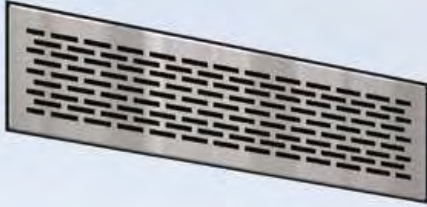
WIRED
CONTROLLER
**KJR12B
(OPTIONAL)**



WIRED
CONTROLLER
**KJR90A
(OPTIONAL)**



CENTRAL
CONTROLLER
**CCM03
(OPTIONAL)**



A⁺

R32

k^ti

slim duct air conditioners

KTI 18 | 24 | 36 | 48 | 55 HWF32

Duct air conditioners are suitable for use in large objects. Their advantage is the ability to distribute air freely through ducts and diffusers in the entire room.

The Slim series of duct air conditioners is characterized by a significant available compression – 160 Pa with low noise level. The unit has a lower height than a standard channel unit, so that it can be installed in a small space in the suspended ceiling.

Thanks to the use of modern technology, the air conditioner automatically adjusts the static pressure and maintains a constant flow of air.



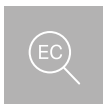


KTI 18 | 24 | 36 | 48 | 55 HWF32

efficient
and discrete
unit for home
and office



UNIT FUNCTIONS



Indication of refrigerant leakage



Operation at low outdoor temperature



Emergency use



Timer



Alarm on-off



Alarm port



Twin combination



Cold air flow control



Two-sided installation



Fresh air



Temperature sensor in remote control unit



Built-in condensate pump



Automatic restart



Self-diagnosis



Temperature compensation



Central controller



Customized remote control unit

TECHNICAL SPECIFICATION

MODEL	indoor unit		KTI-18HWF32	KTI-24HWF32	KTI-36HWF32	KTI-48HWF32	KTI-55HWF32
	outdoor unit		KOB30U-18HFN32	KOCA30U-24HFN32	KOD30U-36HFN32	KOE30U-48HFN32	KOE30U-55HFN32
Capacity average (min-max)	cooling	kW	5.3(1.2÷6.1)	7.0(2.2÷8.2)	10.5(2.6÷12.0)	14.0(4.3÷15.2)	15.4(5.9÷17.3)
	heating	kW	5.6(1.8÷7.0)	7.6(2.4÷8.6)	11.1(2.9÷13.2)	16.1(3.7÷18.0)	18.2(4.7÷20.5)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6.1	6.1	6.1	6.1	6.1
SCOP	average	W/W	4	4	4	4	4
Power input average (min-max)	cooling	W	1,640(280÷2,150)	2,190(480÷2,850)	3,950(660÷4,500)	5,150(1,170÷5,699)	5,423(1,274÷6,651)
	heating	W	1,500(330÷2,180)	2,050(500÷2,880)	3,000(650÷4,550)	4,280(1,048÷6,124)	5,329(1,042÷6,034)
Operation current average (min-max)	cooling	A	7.1(1.2÷9.3)	9.5(2.1÷12.4)	7.2(1.2÷8.2)	8.3(1.8÷9.4)	8.9(2.0÷11.0)
	heating	A	6.5(1.4÷9.5)	8.9(2.2÷12.5)	5.5(1.2÷8.3)	6.8(1.65÷10.22)	8.8(1.6÷9.9)
Air flow	indoor	m ³ /h	1,006/853/684	1,248/1,054/839	1,400/1,150/750	2,400/2,040/1,680	2,600/2,210/1,820
	outdoor	m ³ /h	2,100	2,700	4,000	7,500	7,500
Available compression			Pa	25/100	25/160	37/160	50/160
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷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
Sound pressure level	indoor	dB(A)	44/42/40	44/42/40	47/43/40	50.5/49.5/48	54/52/50.5
	outdoor	dB(A)	57	62	64	66	66
Net dimensions w/h/d	indoor	mm	880/210/674	1,100/249/774	1,360/249/774	1,200/300/874	1,200/300/874
	outdoor	mm	800/554/333	845/702/363	946/810/410	952/1,333/410	952/1,333/410
Transport dimensions w/h/d	indoor	mm	1,070/270/725	1,305/305/805	1,570/305/805	1,405/355/915	1,405/355/915
	outdoor	mm	920/615/390	965/765/395	1,090/865/500	1,095/1,470/500	1,095/1,470/500
Net weight	indoor	kg	25.6	31.5	40.5	47.6	47.6
	outdoor	kg	35.6	66.8	81.5	106.7	111.3
Transport weight	indoor	kg	31.4	38.9	48.5	55.8	55.8
	outdoor	kg	38.5	72.6	87	119.9	124.3
Pipe diameter: liquid/gas			mm	6.35/12.7	9.52/15.9	9.52/15.9	9.52/15.9
Max. length of installation			m	30	50	65	65
Max. level difference			m	20	25	30	30
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
	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	16	20	16	16	16
Power supply lines	indoor	# of wires x mm ²	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5
	outdoor	# of wires x mm ²	3x2.5	3x2.5	5x2.5	5x2.5	5x2.5
Control lines	ind. outd.	# of wires x mm ²	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded	2x0.5 shielded
Factory amount of refrigerant	up to 5 rm	kg	1.35	1.5	2.4	2.8	2.95
Additional amount of refrigerant	over 5 rm	g/m	12	24	24	24	24
Ext. diameter of the condensate drain			mm	25	25	25	25
NET PRICE EUR			1688	2156	3584	4156	4406

ACCESSORIES AND CONTROLLERS



CENTRAL CONTROLLER
KJR12B



WIRELESS CONTROL UNIT
RG5
(OPTIONAL)



WIRED CONTROLLER
KJR90A
(OPTIONAL)



CENTRAL CONTROLLER
CCM03
(OPTIONAL)



A+

R290

kpc/kppd

portable air conditioners

KPC-09AK29 • KPPD-12HRN29

Portable air conditioners are perfect for all applications where there is a need to change location or where stationary air-conditioning is not possible.

The 2.6 kW KPC air conditioner has cooling, drying and evaporation functions. It is a perfect solution for rooms with low heat loads, with an area of up to approx. 20 m². The KPPD model with a cooling capacity of 3.5 kW has an additional heating function and can also be used in larger rooms up to approx. 30 m².





KPC-09AK29 • KPPD-12HRN29

portable
unit with
modern
design



Efficient heating: Thanks to its heating function, the KPPD air conditioner is an excellent alternative to traditional electric heating systems, as it provides efficient heating with much lower energy consumption. Thanks to the fan forced air circulation in the room, the desired temperature is reached much faster.

Comfortable sleep: After starting the sleep function, the device will increase (in heating mode) the set temperature by 1°C per hour within 2 hours and the fan will operate at low speed.

Fireproof casing: For the safety of the user, the sealed metal housing of the electrical unit is used to prevent fire in the event of an electrical short circuit.

UNIT FUNCTIONS



Self-diagnosis



Timer



Automatic louver



Evaporation of condensate



Sleep function



Simple installation



Multi-directional casters



Automatic restart

TECHNICAL SPECIFICATION

MODEL			KPC-09AK29	KPPD-12HRN29
Capacity	cooling	kW	2.6	3.5
	heating	kW	-	2.9
Energy class	cooling/ heating		A	A/A+
EER	average	W/W	2.6	2.6
COP			-	2.8
Power input	cooling	W	1,000	1,350
	heating	W	-	1,045
Operation current	cooling	A	4.4	5.9
	heating	A	-	5
Air flow		m ³ /h	320/290/260	420/370/355
Operating temperature		°C	18÷35	17÷35
Sound pressure level		dB(A)	53/51/49	54.5/54.3/54.0
Net dimensions w/h/d		mm	315/770/395	467/765/397
Transport dimensions w/h/d		mm	463/881/358	515/880/440
Net weight		kg	27	34.4
Transport weight		kg	31	37.8
Electric power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1
Refrigerant			R290	R290
Amount of refrigerant		kg	0.22	0.23
Amount of removed moisture		l/h	1.43	3.25
NET PRICE EUR			500	687

ACCESSORIES AND CONTROLLERS



WIRELESS CONTROL UNIT
YX1F
(for KPC)



WIRELESS CONTROL UNIT
R51
(for KPPD)



kob/koc kod/koe

A⁺

R32

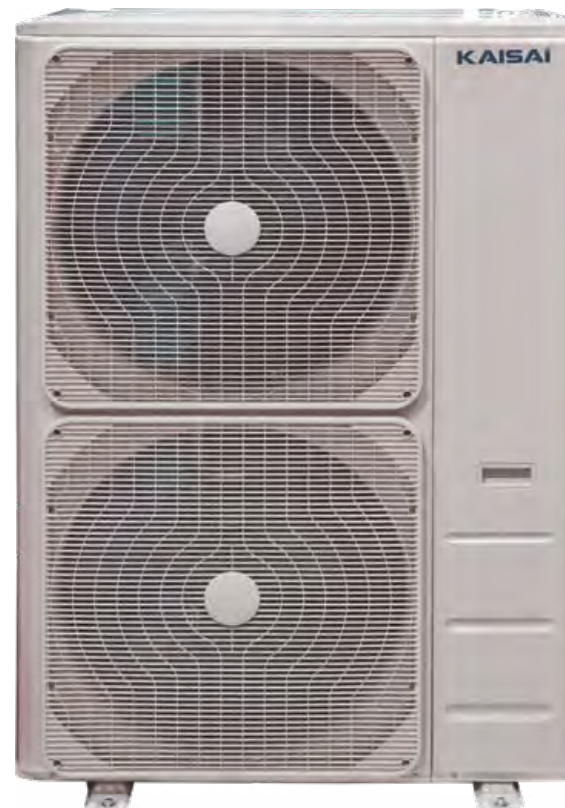
condensing units

KOB30U 18 HFN32 • KOCA30U 24 HFN32
KOD30U 36 HFN32 • KOE30U 48 | 55 HFN32

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

Such solution makes it possible to control the efficiency of the condensing unit by means of a 0-10V DC signal sent from the air handling unit control system. Both cooling and heating operation are possible. The units have built-in expansion valves, so that no additional refrigeration fittings are needed.

Kaisai condensing units may only be used with AHUs equipped with protection devices suitable for R32 flammability characteristic.

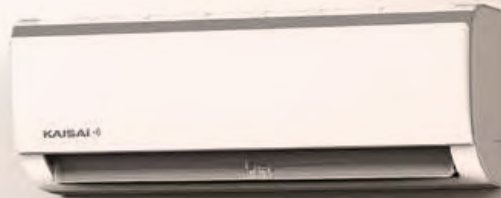


TECHNICAL SPECIFICATION

MODEL			KOB30U -18HFN32	KOCA30U -24HFN32	KOD30U -36HFN32	KOE30U- 48HFN32	KOE30U- 55HFN32
Capacity average (min-max)	cooling	kW	5.3(1.2÷6.1)	7.0(2.2÷8.2)	10.5(2.6÷12.0)	14.0(4.3÷15.2)	15.4(5.9÷17.3)
	heating	kW	5.6(1.8÷7.0)	7.6(2.4÷8.6)	11.1(2.9÷13.2)	16.1(3.7÷18.0)	18.2(4.7÷20.5)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A+/A+	A+/A+
SEER	average	W/W	6.1	6.1	6.1	6.1	6.1
SCOP	average	W/W	4	4	4	4	4
Power input average (min-max)	cooling	W	1,640(280÷2,150)	2,190(480÷2,850)	3,950(660÷4,500)	5,150(1,170÷5,699)	5,423(1,274÷6,651)
	heating	W	1,500(330÷2,180)	2,050(500÷2,880)	3,000(650÷4,550)	4,280(1,048÷6,124)	5,329(1,042÷6,034)
Operation current average (min-max)	cooling	A	7.1(1.2÷9.3)	9.5(2.1÷12.4)	7.2(1.2÷8.2)	8.3(1.8÷9.4)	8.9(2.0÷11.0)
	heating	A	6.5(1.4÷9.5)	8.9(2.2÷12.5)	5.5(1.2÷8.3)	6.8(1.6÷10.2)	8.8(1.6÷9.9)
Air flow		m ³ /h	2,100	2,700	4,000	7,500	7,500
Operating temperature	cooling	°C	-15÷50	-15÷50	-15÷50	-15÷50	-15÷50
	heating	°C	-15÷24	-15÷24	-15÷24	-15÷24	-15÷24
Sound pressure level		dB(A)	57	62	64	66	66
Net dimensions w/h/d		mm	800/333/554	845/363/702	946/410/810	952/410/1,333	952/410/1,333
Transport dimensions w/h/d		mm	920/390/615	965/395/755	1,090/500/865	1,095/500/1,470	1,095/500/1,470
Net weight		kg	35.6	66.8	81.5	106.7	111.3
Transport weight		kg	38.5	72.6	87	119.9	124.3
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
Total length of installation		m	30	50	65	65	65
Max. level difference		m	20	25	30	30	30
Power supply		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		A	16	20	16	16	16
Power supply lines	# of wires x mm ²		3x2.5	3x2.5	5x2.5	5x2.5	5x2.5
Factory amount of refrigerant < 5 rm		kg	1.35	1.5	2.4	2.8	2.95
Additional amount of refrigerant > 5 rm		g/m	12	24	24	24	24
NET PRICE EUR (WITH KMS MODULE)			1720	2125	3095	3375	3595

TYPES OF CONDENSING UNITS AND CONTROL





multi

Multi Split

KWX • KCA



Air conditioners working in the Multi Split system are extremely energy-efficient and highly efficient devices. The system design allows for installation of 2 to 5 Fly wall units or Compact cassette units to one cooling unit (outdoor unit).

Each of the indoor units operates individually, has the ability to independently adjust the temperature and adjust the power to the needs of users. When buying a Multi Split air conditioner, we must select the cooling capacity needed for each room where there is a wall or cassette air conditioner. Selected devices are installed in rooms, and at the

very end we connect each of the air conditioners to the previously installed one, large cooling unit. In this way, we do not need to install an indoor or outdoor unit in every room.

indoor units



KWX 09 | 12 | 18 | 24 HRDI

WIFI AS STANDARD



TECHNICAL SPECIFICATION

MODEL			KWX-09HRDI	KWX-12HRDI	KWX-18HRDI	KWX-24HRDI
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		m³/h	520/460/360	600/500/360	840/680/540	980/817/662
Sound pressure level	high/medium/low	dB(A)	40/30/26/21	40/34/26/22	44/37/30/25	44.5/42/34.5/28
Dimensions: w/h/d	net	mm	805/285/194	805/285/194	957/302/213	1,040/327/220
	transport	mm	870/360/270	870/360/270	1,035/380/295	1,120/310/405
Weight	net	kg	7.5	7.5	10	12.3
	transport	kg	9.7	9.7	13	15.8
Pipe diameter	liquid	mm	6.35	6.35	6.35	9.52
	gas	mm	9.52	9.52	12.7	15.9
NET PRICE EUR			297	328	437	562



KCA3I-09HRF32 | KCA3U 12 | 18 HRF32

TECHNICAL SPECIFICATION

MODEL			KCA3I-09HRF32	KCA3U-12HRF32	KCA3U-18HRF32	KCA3U-12HRF32X	KCA3U-18HRF32X
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
Capacity	cooling	kW	2.6	3.5	5.3	3.5	5.3
	heating	kW	2.8	4.1	5.6	4.4	5.4
Air flow		m³/h	580	650	800	617	720
Sound pressure level	high/medium/low	dB(A)	39/36/33	42/38/34	48/43/36	41/36/33	42.5/39/35.5
Dimensions: w/h/d indoor unit	net	mm	570/260/570	570/260/570	570/260/570	570/260/570	570/260/570
	transport	mm	655/290/655	655/290/655	655/290/655	662/317/662	662/317/662
Dimensions: w/h/d panel	net	mm	647/50/647	647/50/647	647/50/647	647/50/647	647/50/647
	transport	mm	715/123/715	715/123/715	715/123/715	715/123/715	715/123/715
Weight indoor unit /panel	net	kg	16/2.5	16/2.5	16/2.5	16/2.5	16/2.5
	transport	kg	19/4.5	19/4.5	19/4.5	21.4/4.5	21.4/4.5
Pipe diameter	liquid	mm	6.35	6.35	6.35	6.35	6.35
	gas	mm	9.52	9.52	12.7	9.52	12.7
NET PRICE EUR			469	578	703	578	703

outdoor units



K20C-18 | 30E-27 | 40B-36 | 50D-42 HFN32

TECHNICAL SPECIFICATION

MODEL			K20C-18HFN32	K30E-27HFN32	K40B-36HFN32	K50D-42HFN32
Capacity	cooling, average	kW	5.3	7.9	10.6	12.3
	heating, average	kW	5.6	8.2	10.6	12.3
Energy class	cooling/heating	W/W	A+/A	A++/A+	A++/A+	A++/A+
SEER	average	W/W	5.8	6.1	6.1	5.8
SCOP	average	W/W	3.8	4.0	4.0	3.8
Power input	cooling, average	W	1,630	2,440	3,280	4,260
	heating, average	W	1,390	2,180	2,630	3,100
Operation current	cooling, average	A	7.1	10.6	14.3	18.5
	heating, average	A	6.1	9.5	11.4	13.5
Air flow		m ³ /h	2,200	2,700	4,000	3,850
Operating temp., cooling/heating		°C	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level		dB(A)	56	59	63	64
Net dimensions w/h/d		mm	800/554/333	845/702/363	946/810/410	946/810/410
Transport dimensions: w/h/d		mm	920/615/390	965/755/395	1,090/865/500	1,090/865/500
Net weight		kg	36	53	68.8	73.3
Transport weight		kg	39	56.5	75.6	80.4
Pipe diameter: liquid/gas		mm	2x6.35/9.52	3x6.35/9.52	3x6.35/9.52 + 1x6.35/12.7	4x6.35/9.52 + 1x6.35/12.7
Total length of installation		m	40	60	80	80
Max. length of installation for 1 single indoor unit		m	25	30	35	35
Max. level difference		m	15	15	15	15
Electric power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse		A	16	20	25	25
Power supply lines		# of wires x mm ²	3x2.5	3x2.5	3x4.0	3x4.0
Control lines			4x1.5	4x1.5	4x1.5	4x1.5
Factory amount of refrigerant	up to 5 m	kg	1.3	1.57	2.1	2.4
Additional amount of refrigerant	over 5 m	g/m	12	12	12	12
NET PRICE EUR			1078	1610	2547	2781

Configuration table of indoor units

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

K20C-18HFN32

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

K30E-27HFN32

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

K40B-36HFN32

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

K50D-42HFN32

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

Multi Split systems

Up to five indoor units can be connected to one outdoor unit and each indoor unit can be individually controlled. Moreover, the system can be extended over time with new indoor units while maintaining the appropriate power parameters.

Kaisai Multi Split air conditioners are ideal for apartments, shops, small hotels, motels, offices and warehouses. Modern, compact design of the outdoor unit allows to reduce the space occupied by air conditioning units on balconies, roofs or building facades.

Multi Split system in no way limits the cooling or heating possibilities, and each user in any room has the ability to adjust the temperature and air flow/blowing power to their needs. This is especially useful when you want to keep the temperature in some places much lower or higher.





silver, gold platinum new

air curtains

AG • AU • PTN

Small but functional devices, which allow you to save energy by maintaining a constant temperature and avoiding unpleasant draughts inside the building. Easy to install and use, they provide effective protection against cold air and dirt from outside.

Kaisai air curtains are a guarantee of economy and comfort. Easy remote control, adjustable airflow and an attractive, modern design make the devices a perfect fit in the interior design. The air curtains will discreetly and effectively improve the comfort of customers at the point of sale, while taking care to save energy and eliminate heat loss in the room.

Modern and elegant Kaisai air curtains are perfect for public buildings. Offices, restaurants, cafés, shops and storage areas are places where doors are repeatedly opened and closed during the day, causing heat loss or overheating. In turn, for cafés and restaurants protection against dust and insects will provide even greater comfort of work and use of the premises.



AG 100 H6 | AG 150 H10 | AG 200 H14
AG 100 I 150 I 200 CX

silver

economic
and smart
installation



The Silver air curtain is a reliable unit with a compact design and quiet operation. Easy to install and operate, the air curtain comes in three sizes, with or without electric heater.

TECHNICAL SPECIFICATION

SILVER MODEL WITH HEATER			AG-100H6	AG-150H10	AG-200H14
Voltage/frequency		V~/Hz	400/50	400/50	400/50
Motor power		W	180	230	350
Heater output		kW	6	10	14
Air flow	min	m/s	6.5	6.5	6.5
	max	m/s	6.5	6.5	6.5
Air flow	min	m ³ /h	1100	1400	2,100
	max	m ³ /h	1300	1900	2600
Noise level	min	dB	56	57	59
	max	dB	58	59	61
Net weight		kg	15.5	21	25
Net dimensions w/d/h		mm	1000/180/215	1500/180/215	2000/180/215
NET PRICE EUR			365	485	750

SILVER MODEL WITHOUT HEATER			AG-100CX	AG-150CX	AG-200CX
Voltage/frequency		V~/Hz	230/50	230/50	230/50
Motor power		W	180	230	350
Air flow	min	m/s	9	9	9
	max	m/s	11	11	11
Air flow	min	m ³ /h	1,100	2,000	2,900
	max	m ³ /h	1,400	2,500	3,600
Noise level	min	dB	56	57	59
	max	dB	58	59	61
Net weight		kg	12	15	22
Net dimensions w/d/h		mm	1,000/180/215	1,500/180/215	2,000/180/215
NET PRICE EUR			203	282	375

ACCESSORIES AND CONTROLLERS



WIRELESS
CONTROL UNIT
RCAC-1



AU 100 H3,5 | AU 100 H6 | AU 120 H8 | AU 150 H10
AU 200 H14 | AU 100 | 150 | 200 CX

gold

solution
for shops,
offices and
service
premises



The Gold air curtain is a device which is characterized by a strong air stream. Easy to install and operate, the air curtain comes in four sizes with electric heater and three sizes without heater.

TECHNICAL SPECIFICATION

GOLD MODEL WITH HEATER			AU-100H3.5	AU-100H6	AU-120H8	AU-150H10	AU-200H14
Voltage/frequency	V~/Hz		230/50	400/50	400/50	400/50	400/50
Motor power	W		180	180	200	230	350
Heater output	I	kW	1.75	2	2.7	3.3	4.6
	II	kW	3.5	4	5.3	6.7	9.4
	III	kW	-	6	8	10	14
Air flow	min	m/s	8.5	8.5	8.5	8.5	8.5
	max	m/s	9.5	9.5	9.5	9.5	9.5
Air flow	min	m³/h	1100	1100	1500	1900	2800
	max	m³/h	1330	1330	1700	2200	3100
Noise level	min	dB	56	56	56	57	59
	max	dB	57	57	58	59	61
Net weight	kg		14.5	14.5	16	18.5	26.5
Net dimensions w/d/h	mm		1,000/190/260	1,000/190/260	1,200/190/260	1,500/190/260	2,000/190/260
NET PRICE EUR			360	406	447	531	735

GOLD MODEL WITHOUT HEATER			AU-100CX	AU-150CX	AU-200CX
Voltage/frequency	V~/Hz		230/50	230/50	230/50
Motor power	W		180	230	350
Air flow	min	m/s	9	9	9
	max	m/s	11	11	11
Air flow	min	m³/h	1,300	2,000	2,900
	max	m³/h	1,600	2,500	3,600
Noise level	min	dB	55	57	59
	max	dB	57	59	61
Net weight	kg		10	15	20
Net dimensions w/d/h	mm		1,000/190/260	1,500/190/260	2,000/190/260
NET PRICE EUR			235	328	437

ACCESSORIES AND CONTROLLERS



WIRELESS
CONTROL UNIT
RCAC-1



PTN 90 H8 | PTN 120 H10 | PTN 150 H12
PTN 90 | 120 | 150 CX

platinum new

modern
design and high
performance
for demanding
customers



The latest elegant version of the Platinum New air curtain can be mounted at a maximum height of 4 m above the floor. The device has a AC motor and an adjustable air stream. The air curtains are available in 3 different sizes with or without a heater. They also offer the possibility to connect a door limit switch to control the operation of the curtain.

TECHNICAL SPECIFICATION

PLATINUM NEW MODEL WITH HEATER			PTN-90H8	PTN-120H10	PTN-150H12
Voltage/frequency	V~/Hz		400/50	400/50	400/50
Motor power	W		260	380	490
Heater output	I	kW	2.5	3.5	4
	II	kW	5.5	7	8
	III	kW	8	10	12
Air flow	min	m/s	9	9	9
	max	m/s	11	11	11
Air flow	min	m ³ /h	1300	1950	2550
	max	m ³ /h	1600	2400	3150
Noise level	min	dB	59	60	61
	max	dB	61	62	63
Net weight	kg		15.5	19	22.5
Net dimensions w/d/h	mm		900/218/247	1200/218/247	1500/218/247
NET PRICE EUR			453	531	656

PLATINUM NEW MODEL WITHOUT HEATER			PTN-90CX	PTN-120CX	PTN-150CX
Voltage/frequency	V~/Hz		230/50	230/50	230/50
Motor power	W		160	200	230
Air flow	min	m/s	9	9	9
	max	m/s	11	11	11
Air flow	min	m ³ /h	1,300	1,950	2,550
	max	m ³ /h	1,600	2,400	3,150
Noise level	min	dB	53	54	55
	max	dB	55	56	57
Net weight	kg		12.5	15.5	18
Net dimensions w/d/h	mm		900/218/247	1,200/218/247	1,500/218/247
NET PRICE EUR			280	312	375

ACCESSORIES AND CONTROLLERS



WIRELESS
CONTROL UNIT
RCAC-2

khp eco home

heat pumps

KHP-2.4/D270 • KEH 08 | 10 | 12 | 14 VER

A heat pump uses free air energy and uses it to heat or cool a building or to produce domestic hot water. It is a cheap, ecological and reliable source of heat, which can be used by everyone.

Thanks to modern technology, the Kaisai heat pumps operate in a very wide range of outdoor temperatures and achieve high temperatures in the heating system or in domestic hot water applications. The absence of harmful emissions, safety and maintenance-free operation make Kaisai heat pumps the ideal solution for anyone who builds a house but also replaces or upgrades an existing heat source. Kaisai heat pumps are used in commercial, single- and multi-family buildings.

khp

The device is distinguished by a modern controller with intuitive operation and anti-freeze function, which solves the problem of ice and frost. The stainless steel storage tank and the magnesium anode make the unit extremely corrosion-resistant. The maximum heated water temperature is 70°C.



TECHNICAL SPECIFICATION

MODEL	KHP-2.4/D270	
Nominal heat output	W	2 400
Nominal power input	W	685
COP coefficient		3.5
Domestic hot water (DHC) container capacity	l	270
Energy class		A
Heating power of the electric heater	W	1 500
Temperature range of outlet water	°C	35+70
Nominal temperature of outlet water	°C	55
Electric power supply	V/Hz	220+240/ ~50
Watertightness class		IPX4
Refrigerant		R134a
Amount of refrigerant	kg	1.1
Diameter of air outlets	mm	150
Diameter of water connections	inch	¾
Dimensions (w/d/h)	mm	660/667/1 958
Transport dimensions (w/d/h)	mm	813/813/2 100
Net/gross weight	kg	114/139
Sound pressure level	dB(A)	49
Temperature range of sucked air	°C	-7/45
NET PRICE EUR		2 500

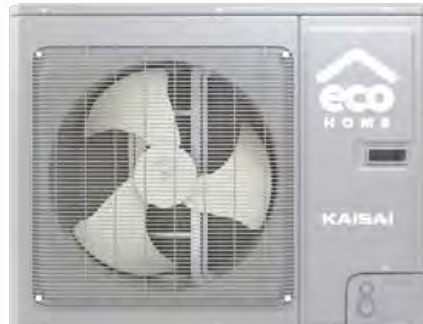




KEH 08 | 10 | 12 | 14 VER



eco home



ideal solution
for homes,
shops, offices
and service
premises

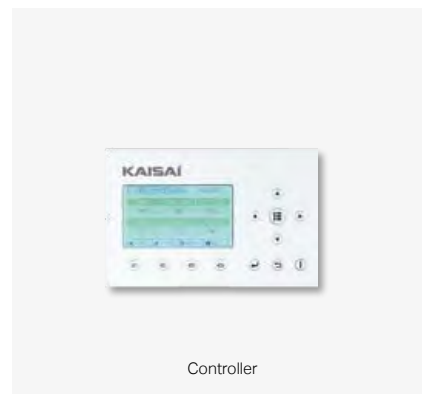


The Kaisai Eco Home heat pump is an advanced device for both space heating and domestic hot water. In addition, it has the ability to cool the air, and a modern controller allows you to adjust the operation of the pump to the needs of the user.

TECHNICAL SPECIFICATION

MODEL	indoor units		KEH-08VER/I	KEH-10VER/I	KEH-12VER/I	KEH-14VER/I	
	outdoor units		KEH-08VER/O	KEH-10VER/O	KEH-12VER/O	KEH-14VER/O	
Electric power supply		V/Ph/Hz	220÷240/1/50	220÷240/1/50	380÷415/3/50	380÷415/3/50	
Nominal capacity	Capacity	heating	kW	8	10	12	14
		cooling	kW	7.8	8.2	13.5	14.5
Heating: water 30/35°C ext. temp. 7°C	Electric power input	heating	kW	1.78	2.27	2.8	3.35
		cooling	kW	1.95	2.1	3.55	3.95
Cooling: water 23/18°C ext. temp. 35°C	COP*/EER			4.5/3.9	4.4/3.0	4.3/3.8	4.2/3.7
				7.60	9.50	12.00	13.50
Nominal capacity	Capacity	heating	kW	7.60	9.50	12.00	13.50
		cooling	kW	6.30	7.20	10.00	10.50
Heating: water 40/45°C ext. temp. 7°C	Electric power input	heating	kW	2.24	2.88	3.55	4.05
		cooling	kW	2.33	2.77	3.35	3.60
Cooling: water 12/7°C ext. temp. 35°C	COP*/EER			3.4/2.6	3.3/2.7	3.4/3.0	3.35/2.95
				A++	A++	A+	A+
Energy class – heating							
Net dimensions (w/h/d)	indoor unit	mm	500/981/324	500/981/324	500/981/324	500/981/324	
	outdoor unit	mm	980/788/427	980/788/427	900/1345/412	900/1345/412	
Transport dimensions (w/h/d)	indoor unit	mm	608/1043/395	608/1043/395	608/1043/395	608/1043/395	
	outdoor unit	mm	1097/862/477	1097/862/477	998/1515/458	998/1515/458	
Net/transport weight	indoor unit	kg	56/65	56/65	58/67	58/67	
	outdoor unit	kg	80/89	80/89	107/117	114/124	
Sound pressure level	indoor unit	dB(A)	31	31	31	31	
	outdoor unit – heating	dB(A)	56	56	57	57	
	outdoor unit – cooling	dB(A)	54	54	55	55	
Refrigerant pipe diameter	liquid/gas	mm	9.52/15.9	9.52/15.9	9.52/15.9	9.52/15.9	
R410A refrigerant charged quantity		kg	2.30	2.30	3.60	3.60	
Max refrigerant installation length/level difference		m	30/15	30/15	30/15	30/15	
Circulation pump model			Wilo RS25/7.5	Wilo RS25/7.5	Wilo RS25/7.5	Wilo RS25/7.5	
Water flow rate		l/min	12	12	12	12	
Auxiliary electric heater output	quantity x power	kW	6(2x3)	6(2x3)	6(1x6)	6(1x6)	
Water temp. – DHW mode		°C	40÷80	40÷80	40÷80	40÷80	
Water temperature	heating mode	°C	25÷55	25÷55	25÷55	25÷55	
	cooling mode	°C	7÷25	7÷25	7÷25	7÷25	
Outdoor temperature range	heating mode	°C	-20÷35	-20÷35	-20÷35	-20÷35	
	Domestic hot water mode	°C	-20÷45	-20÷45	-20÷45	-20÷45	
	cooling mode	°C	10÷48	10÷48	10÷48	10÷48	
NET PRICE EUR			5 625	6 094	7 062	7 970	

TYPES OF CONDENSING UNITS AND CONTROL



CONTROLLERS FOR KAISAI UNITS



Wired controllers



CENTRAL
CONTROLLER
CCM03

Optional controller for air conditioners: cassette, floor / ceiling and duct air conditioners.

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

NET PRICE EUR

594



WIRED
CONTROLLER
KJR12B

The controller is dedicated for duct air conditioners and optional for cassette and floor / ceiling air conditioners.

Basic functions: Turning ON/OFF | Operating mode | Air temperature | Fan speed | Timer | Temp. sensor in remote control unit
Auto louver function

NET PRICE EUR

122



WIRED
CONTROLLER
KJR90A

Optional controller for: cassette, wall, floor / ceiling, duct devices.

Basic functions: Turning ON/OFF | Operating mode | Air temperature | Fan speed | Timer | Auto louver function | Clock

NET PRICE EUR

160

Wireless controllers



RG57 WIRELESS REMOTE CONTROL UNIT

The controller is dedicated for wall, cassette, floor/ceiling air conditioners and optional for duct units.

Basic functions: Turning ON/OFF| Operating mode | Air temperature | Fan speed | Timer | Temp. sensor in remote control unit | Auto louver function | Direction of air flow | Turbo function | Self-cleaning evaporator | 8°C continuous heating function

NET PRICE EUR

110



WIRELESS CONTROL UNIT
R51

The controller dedicated for KPPD portable air conditioners and optional for wall, cassette, floor / ceiling air conditioners.

Basic functions: Turning ON/OFF| Operating mode| Air temperature | Fan speed | Timer | Direction of air flow | Auto louver function | Turbo function

NET PRICE EUR

103



WIRELESS CONTROL UNIT
YX1F

Controller dedicated exclusively for KPC portable air conditioners.

Basic functions: Turning ON/OFF| Operating mode | Air temperature | Fan speed | Timer | Auto louver function | Turbo function

NET PRICE EUR

103



WIRELESS CONTROL UNIT
RCAC-1

Controller dedicated for Silver and Gold air curtains.

Basic functions: Turning ON/OFF| Fan speed | Operating mode

NET PRICE EUR

60



WIRELESS CONTROL UNIT
RCAC-2

The controller dedicated exclusively for Platinum New air curtains.

Basic functions: Turning ON/OFF| Fan speed | Operating mode

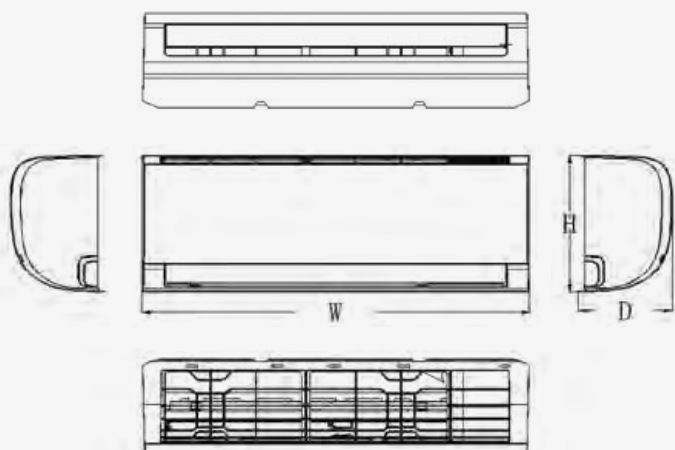
NET PRICE EUR

60

Dimensions of Split units

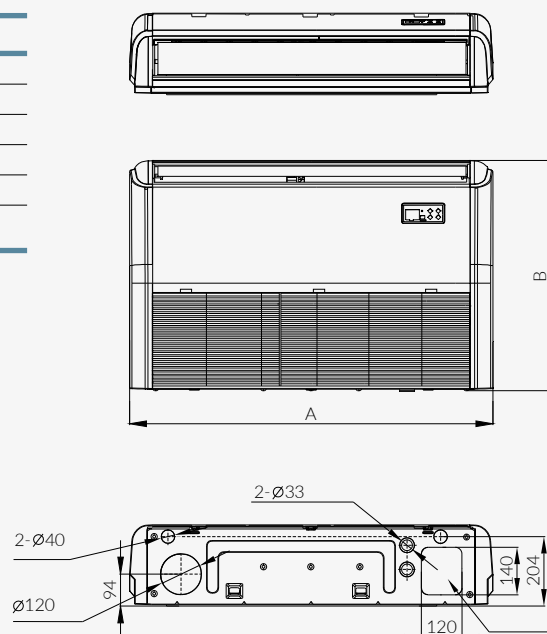
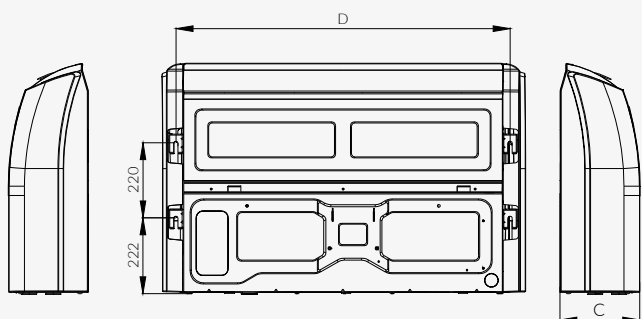
FLY wall-mounted

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



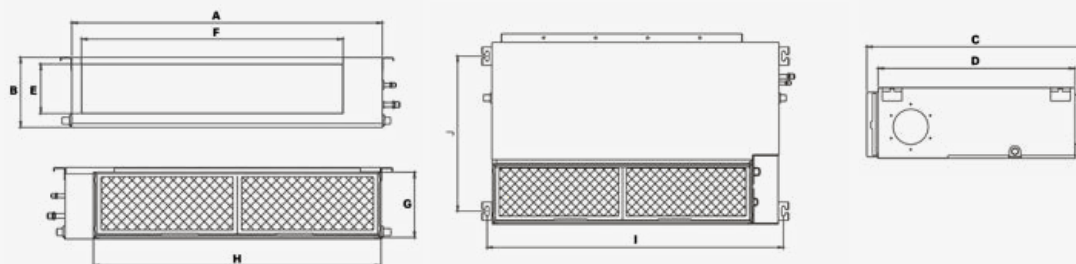
FLOOR/CEILING

MODEL	Dimensions [mm]			
	A	B	C	D
KUE-18HRF32	1,068	675	235	983
KUE-24HRF32	1,068	675	235	983
KUE-36HRF32	1,650	675	235	1,565
KUE-48HRF32	1,650	675	235	1,565
KUE-55HRF32	1,650	675	235	1,565



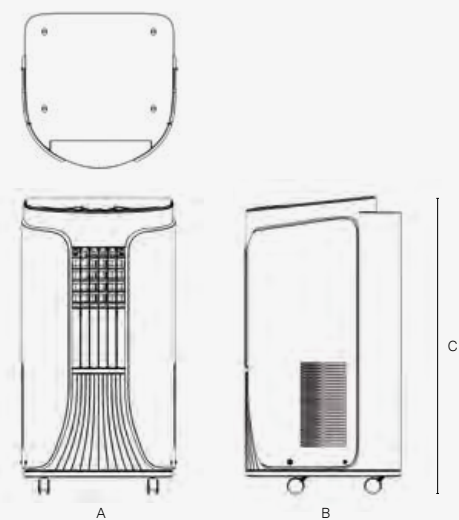
SLIM duct

MODEL	Dimensions [mm]									
	A	B	C	D	E	F	G	H	I	J
KTI-18HWF32	880	210	674	600	136	706	190	782	920	508
KTI-24HWF32	1100	249	774	700	175	926	228	1001	1140	598
KTI-36HWF32	1360	249	774	700	175	1186	228	1261	1400	598
KTI-48HWF32, KTI-55HWF32	1200	300	874	800	227	1044	280	1101	1240	697



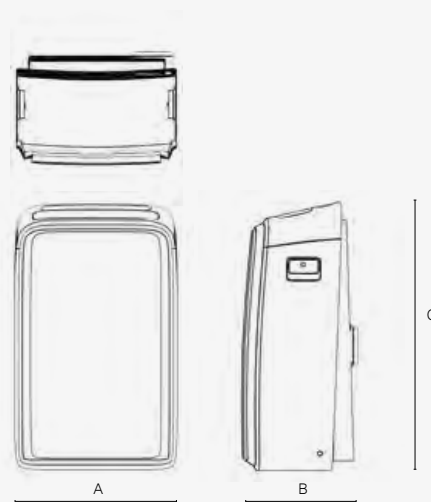
Dimensions of Portable units

PORTABLE KPC



MODEL	Dimensions [mm]		
	A	B	C
KPC-09AK29	315	395	770

PORTABLE KPPD

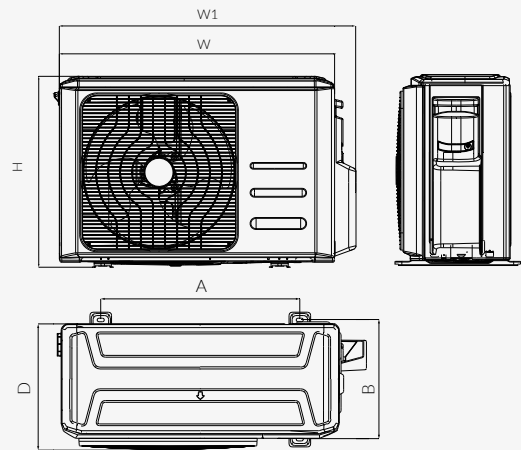


MODEL	Dimensions [mm]		
	A	B	C
KPPD-12HRN29	467	397	765

OUTDOOR UNITS

for FLY wall-mounted models

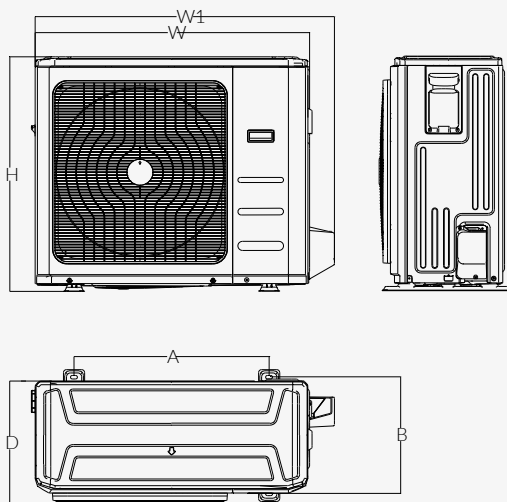
MODEL	Dimensions [mm]					
	W	D	H	W1	A	B
KWX-09HRDO	700	287	550	773	450	260
KWX-12HRDO	700	287	550	773	450	260
KWX-18HRDO	800	365	554	870	514	340
KWX-24HRDO	845	375	702	914	540	350



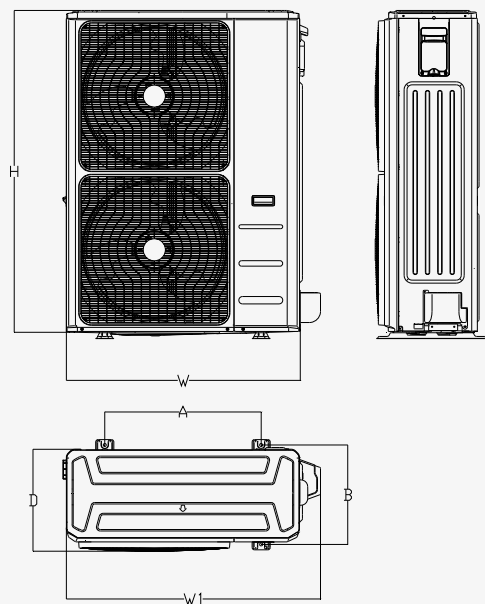
for cassette models, floor and ceiling models, duct models

MODEL	Dimensions [mm]					
	W	D	H	W1	A	B
KOB30-12HFN32X, KOB30U-12HFN32	800	333	554	870	514	340
KOB30-18HFN32X, KOB30U-18HFN32	800	333	554	870	514	340
KOCA30U-24HFN32	845	363	702	914	540	350
KOD30U-36HFN32	946	410	810	1030	673	403
KOE30U-48HFN32	952	415	1333	1045	634	404
KOE30U-55HFN32	952	415	1333	1045	634	404

KOB30-12 | 18 HFN32X · KOB30U-12 | 18 | 24 HFN32



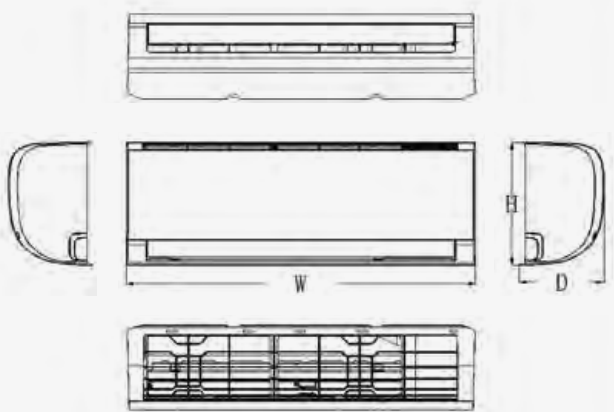
KOE30U-48 | HFN32



Dimensions of Multi Split units

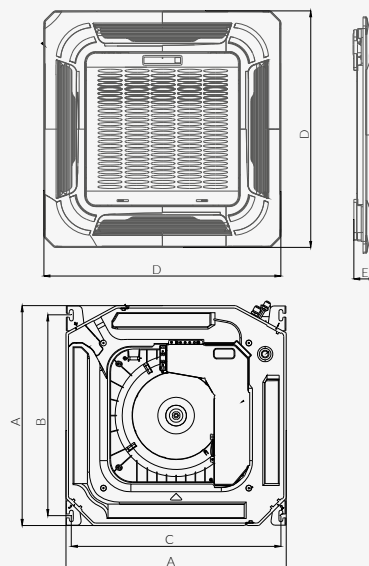
WALL-MOUNTED

MODEL	Dimensions [mm]		
	W	D	H
KWX-09HRDI	805	194	285
KWX-12HRDI	805	194	285
KWX-18HRDI	957	213	302
KWX-24HRDI	1,040	220	327

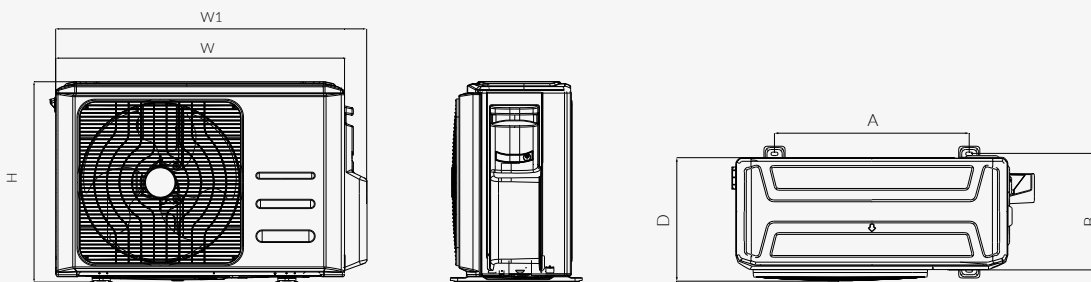


CASSETTE

MODEL	Dimensions [mm]					
	A	B	C	D	E	F
KCA3I-09HRF32	570	523	545	647	50	260
KCA3U-12HRF32	570	523	545	647	50	260
KCA3U-18HRF32	570	523	545	647	50	260
KCA3U-12HRF32X	570	523	545	647	50	260
KCA3U-18HRF32X	570	523	545	647	50	260



OUTDOOR UNITS

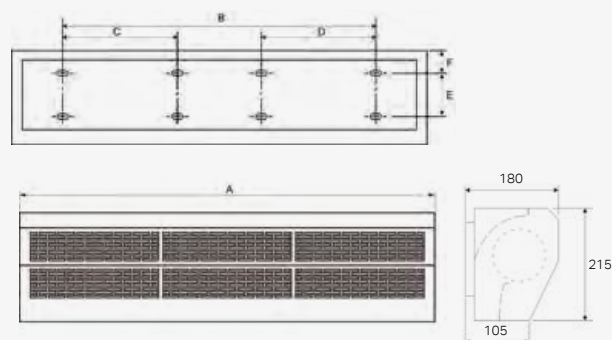


MODEL	Dimensions [mm]					
	W	D	H	W1	A	B
K20C-18HFN32	800	333	554	860	514	340
K30E-27HFN32	845	363	702	923	540	350
K40B-36HFN32	946	410	810	1,034	673	403
K50D-42HFN32	946	410	810	1,034	673	403

Dimensions of Air curtains

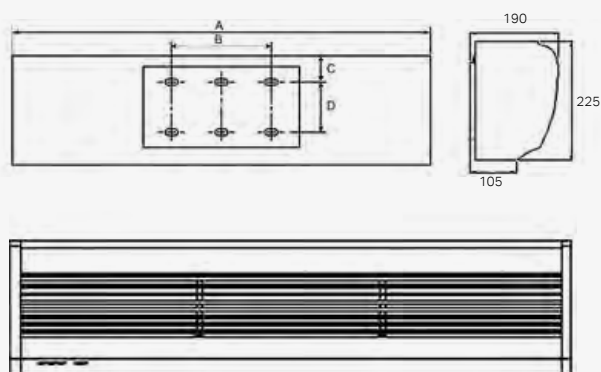
SILVER

MODEL	Dimensions [mm]					
	A	B	C	D	F	E
WITH HEATER						
SILVER AG-100H6	1,000	950	340	340	50	100
SILVER AG-150H10	1,500	1,408	569	569	50	100
SILVER AG-200H14	2,000	1,904	847	847	50	100
WITHOUT HEATER						
SILVER AG-100CX	1,000	440	-	-	50	90
SILVER AG-150CX	1,500	840	-	-	50	90
SILVER AG-200CX	2,000	840	-	-	50	90



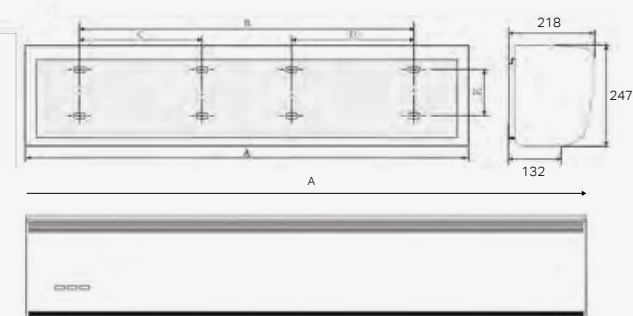
GOLD

MODEL	Dimensions [mm]			
	A	B	C	D
WITH HEATER				
GOLD AU-100H3.5	1,000	440	42	90
GOLD AU-100H6	1,000	440	42	90
GOLD AU-120H8	1,200	440	42	90
GOLD AU-150H10	1,500	840	42	90
GOLD AU-200H14	2,000	840	42	90
WITHOUT HEATER				
GOLD AU-100CX	1,000	440	42	90
GOLD AU-150CX	1,500	840	42	90
GOLD AU-200CX	2,000	840	42	90



PLATINUM NEW

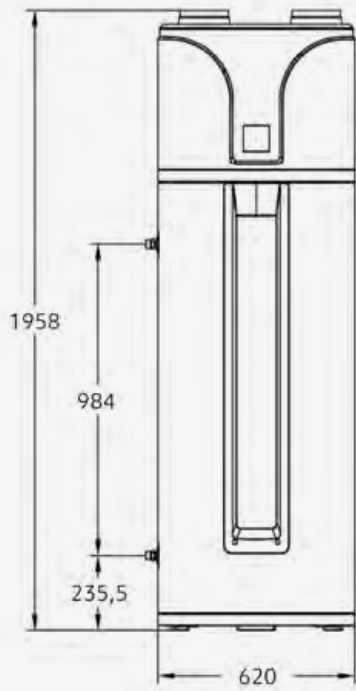
MODEL	Dimensions [mm]				
	A	B	C	D	E
WITH HEATER					
PLATINUM NEW PTN-90H8	900	440	-	-	90
PLATINUM NEW PTN-120H10	1,200	440	-	-	90
PLATINUM NEW PTN-150H12	1,500	440	-	-	90
WITHOUT HEATER					
PLATINUM NEW PTN-90CX	900	440	-	-	90
PLATINUM NEW PTN-120CX	1,200	440	-	-	90
PLATINUM NEW PTN-150CX	1,500	440	-	-	90



Dimensions of Heat pumps

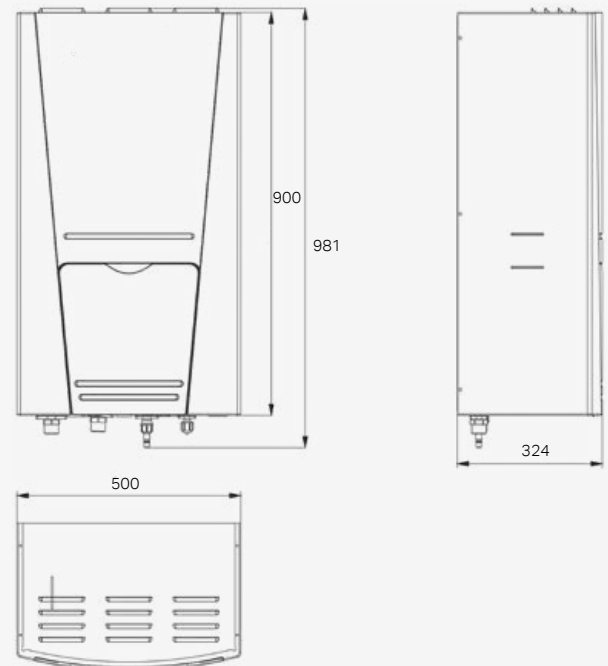
KHP

KHP-2.4/D270



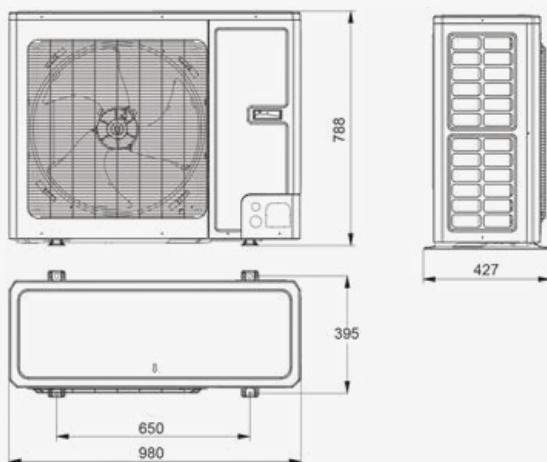
ECO HOME
INDOOR

KEH-08/10/12/14VER/I

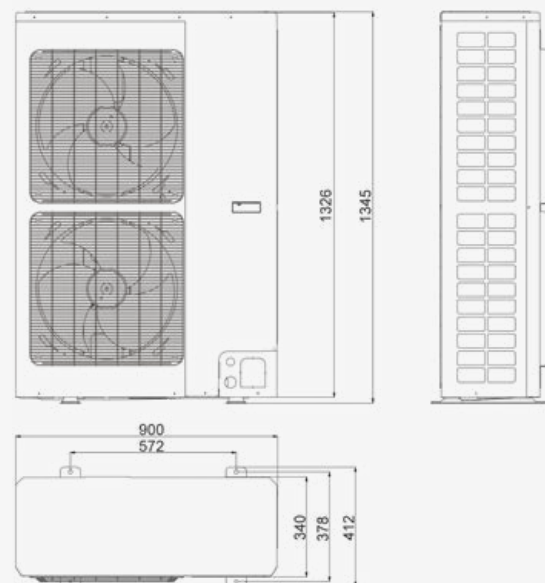


ECO HOME
OUTDOOR

KEH-08/10VER/O



KEH-12/14VER/O



Pallet arrangement– logistic data

Indoor unit	Outdoor unit	Number of assemblies	Pallet size
KWX-09HRDI	KWX-09HRDO	6	120x90x200
KWX-12HRDI	KWX-12HRDO	6	120x90x200
KWX-18HRDI	KWX-18HRDO	5	120x90x200
KWX-24HRDI	KWX-24HRDO	4	120x90x200
KUE-18HRF32	KOB30U-18HFN32	3	120x90x175
KUE-24HRF32	KOCA30U-24HFN32	3	120x90x175
KUE-36HRF32	KOD30U-36HFN32	1	120x90x190
KUE-48HRF32	KOE30U-48HFN32	1	120x90x190
KUE-55HRF32	KOE30U-55HFN32	1	120x90x190
KCA3U-12HRF32X	KOB30-12HFN32X	3	120x90x185
KCA3U-18HRF32X	KOB30-18HFN32X	3	120x90x185
KCD-24HRF32	KOCA30U-24HFN32	3	120x100x195
KCD-36HRF32	KOD30U-36HFN32	2	120x100x160
KCD-48HRF32	KOE30U-48HFN32	1	120x90x165
KCD-55HRF32	KOE30U-55HFN32	1	120x90x165
KTI-18HWF32	KOB30U-18HFN32	3	120x90x175
KTI-24HWF32	KOCA30U-24HFN32	2	120x100x170
KTI-36HWF32	KOD30U-36HFN32	1	120x90x175
KTI-48HWF32	KOE30U-48HFN32	1	120x90x165
KTI-55HWF32	KOE30U-55HFN32	1	120x90x165
KPC-09AK29		8	120x80x180
KPPD-12HRN29		8	120x90x180
	KOB30U-18HFN32	9	120x90x200
	KOCA30U-24HFN32	6	120x90x165
	KOD30U-36HFN32	4	120x100x190
	KOE30U-48HFN32	2	120x100x165
	KOE30U-55HFN32	2	120x100x165
KWX-09HRDI		20	120x90x200
KWX-12HRDI		20	120x90x200
KWX-18HRDI		15	120x90x200
KWX-24HRDI		12	120x80x200
KCA3U-09HRF32		5	120x80x200
KCA3U-12HRF32		5	120x80x200
KCA3U-18HRF32		5	120x80x200
KCA3U-12HRF32X		5	120x80x200
KCA3U-18HRF32X		5	120x80x200
	K20C-18HFN32	9	120x90x200
	K30E-27HFN32	6	120x90x165
	K40B-36HFN32	4	120x100x190
	K50D-42HFN32	4	120x100x190
SILVER AG-100H6		21	120x80x200
SILVER AG-150H10		21	200x80x200
SILVER AG-200H14		21	200x80x200
SILVER AG-100CX		21	120x80x200
SILVER AG-150CX		21	200x80x200
SILVER AG-200CX		18	200x80x200
GOLD AU-100H3.5		18	120x80x200
GOLD AU-100H6		18	120x80x200
GOLD AU-120H8		18	120x80x200
GOLD AU-150H10		18	200x80x200
GOLD AU-200H14		18	200x80x200
GOLD AU-100CX		18	120x80x200
GOLD AU-150CX		18	200x80x200
GOLD AU-200CX		18	200x80x200
PLATINUM NEW PTN-90H8		14	120x80x180
PLATINUM NEW PTN-120H10		14	120x80x180
PLATINUM NEW PTN-150H12		14	200x80x180
PLATINUM NEW PTN-90CX		14	120x80x180
PLATINUM NEW PTN-120CX		14	120x80x180
PLATINUM NEW PTN-150CX		14	200x80x180
KHP-2.4/D270		1	80x80x210
KEH-08VER/I	KEH-08VER/O	2	120x100x185
KEH-10VER/I	KEH-10VER/O	2	120x100x185
KEH-12VER/I	KEH-12VER/O	1	120x90x160
KEH-14VER/I	KEH-14VER/O	1	120x90x170

Product price list 2019/2020

VALID FROM 01.04.2019 UNTIL FURTHER NOTICE



2019
2020

MODEL		Capacity		Net price
INDOOR UNIT	OUTDOOR UNIT	COOLING [kW]	HEATING [kW]	[EUR]
FLY WALL-MOUNTED AIR CONDITIONER WITH WI-FI MODULE (pages: 36+39)				
KWX-09HRDI	KWX-09HRDO	2.6	2.9	672
KWX-12HRDI	KWX-12HRDO	3.5	3.8	718
KWX-18HRDI	KWX-18HRDO	5.3	5.6	1141
KWX-24HRDI	KWX-24HRDO	7.0	7.3	1485
FLOOR/CEILING AIR CONDITIONER (pages: 40+43)				
KUE-18HRF32	KOB30U-18HFN32	5.3	5.6	1656
KUE-24HRF32	KOCA30U-24HFN32	7.0	7.6	2125
KUE-36HRF32	KOD30U-36HFN32	10.5	11.1	3531
KUE-48HRF32	KOE30U-48HFN32	14.2	16.1	4140
KUE-55HRF32	KOE30U-55HFN32	15.9	18.2	4266
COMPACT CASSETTE AIR CONDITIONER (pages: 44+47)				
KCA3U-12HRF32X	KOB30-12HFN32X	3.5	4.1	1500
KCA3U-18HRF32X	KOB30-18HFN32X	5.3	5.6	1781
SUPER SLIM CASSETTE AIR CONDITIONER (pages: 48+51)				
KCD-24HRF32	KOCA30U-24HFN32	7.0	7.6	2219
KCD-36HRF32	KOD30U-36HFN32	10.5	11.1	3531
KCD-48HRF32	KOE30U-48HFN32	14.0	16.1	3970
KCD-55HRF32	KOE30U-55HFN32	15.8	18.2	4328
SLIM DUCT AIR CONDITIONER (pages: 52+55)				
KTI-18HWF32	KOB30U-18HFN32	5.3	5.6	1688
KTI-24HWF32	KOCA30U-24HFN32	7.0	7.6	2156
KTI-36HWF32	KOD30U-36HFN32	10.5	11.1	3584
KTI-48HWF32	KOE30U-48HFN32	14.0	16.1	4156
KTI-55HWF32	KOE30U-55HFN32	15.4	18.2	4406
PORTABLE AIR CONDITIONERS (pages: 57+59)				
KPC-09AK29		2.6		500
KPPD-12HRN29		3.5	2.9	687

Purchase prices presented in the price list are net prices in PLN currency. The price list does not constitute an offer within the meaning of Article 66 of the Commercial Code.

THE PRICE LIST IS VALID FROM 1ST OF
APRIL 2019 UNTIL FURTHER NOTICE

MODEL		Capacity		Net price			
INDOOR UNIT	OUTDOOR UNIT	COOLING [kW]	HEATING [kW]	[EUR]			
MULTI SPLIT SYSTEM --- WALL-MOUNTED OUTDOOR FLY UNITS WITH WI-FI MODULE (page: 64)							
KWX-09HRDI		2.6	2.9	297			
KWX-12HRDI		3.5	3.8	328			
KWX-18HRDI		5.3	5.6	437			
KWX-24HRDI		7.0	7.3	562			
MULTI SPLIT SYSTEM --- CASSETTE INDOOR COMPACT UNITS (page: 64)							
KCA3I-09HRF32		2.6	2.8	469			
KCA3U-12HRF32/ KCA3U-12HRF32X		3.5	4.1	578			
KCA3U-18HRF32/ KCA3U-18HRF32X		5.3	5.6	703			
MULTI SPLIT SYSTEM --- OUTDOOR MULTI SPLIT UNITS (page: 65)							
K20C-18HFN32		5.3	5.6	1078			
K30E-27HFN32		7.9	8.2	1610			
K40B-36HFN32		10.6	10.6	2547			
K50D-42HFN32		12.3	12.3	2781			
TWIN SYSTEM ELEMENTS							
KTI-18HWF32	788	KUE-18HRF32	756	KCD-24HRF32	1090	KOE30U-48HFN32	2080
KTI-24HWF32	1027	KUE-24HRF32	996	KOD30U-36HFN32	1821	UTP-SX248A	145
CONDENSING UNITS WITH CONTROL MODULE (pages: 60÷61)							
KOB30U-18HFN32 + KMS-8243 module		1720	KOE30U-48HFN32 + KMS-8243 module		3375		
KOCA30U-24HFN32 + KMS-8243 module		2125	KOE30U-55HFN32 + KMS-8243 module		3595		
KOD30U-36HFN32 + KMS-8243 module		3095					
VENTILATION UNITS (pages: 69÷75)							
Silver air curtain with heater – AG-100H6							365
Silver air curtain with heater – AG-150H10							485
Silver air curtain with heater – AG-200H14							750
Silver air curtain without heater – AG-100CX							203
Silver air curtain without heater – AG-150CX							282
Silver air curtain without heater – AG-200CX							375
Gold air curtain with heater – AU-100H3.5							360
Gold air curtain with heater – AU-100H6							406
Gold air curtain with heater – AU-120H8							447
Gold air curtain with heater – AU-150H10							531
Gold air curtain with heater – AU-200H14							735
Gold air curtain without heater – AU-100CX							235
Gold air curtain without heater – AU-150CX							328
Gold air curtain without heater – AU-200CX							437
Platinum New air curtain with heater – PTN-90H8							453
Platinum New air curtain with heater – PTN-120H10							531
Platinum New air curtain with heater – NEW PTN-150H12							656
Platinum New air curtain without heater – PTN-90CX							280
Platinum New air curtain without heater – PTN-120CX							312
Platinum New air curtain without heater – PTN-150CX							375

Purchase prices presented in the price list are net prices in PLN currency. The price list does not constitute an offer within the meaning of Article 66 of the Commercial Code.

Product price list 2019/2020

VALID FROM 01.04.2019 UNTIL FURTHER NOTICE

MODEL	Net price [EUR]
HEATING UNITS (pages: 76÷79)	
DHC KHP Heat Pump – KHP-2.4/D270	2500
KEH heat pump, heating/cooling/DHC – Kaisai Eco Home – KEH-08VER/I, KEH-08VER/O	5625
KEH heat pump, heating/cooling/DHC – Kaisai Eco Home – KEH-10VER/I, KEH-10VER/O	6094
KEH heat pump, heating/cooling/DHC – Kaisai Eco Home – KEH-12VER/I, KEH-12VER/O	7062
KEH heat pump, heating/cooling/DHC – Kaisai Eco Home – KEH-14VER/I, KEH-14VER/O	7970
CONTROLLERS (pages: 80÷81)	
RG57 – wireless	110
R51 – wireless	103
YX1F – wireless	103
RCAC-1 – wireless	60
RCAC-2 – wireless	60
CCM03 – central	594
KJR12B – wired	122
KJR90A – wired	160
ACCESSORIES	
Sequential/switching AC controller SPN-IR – applies to all models of air conditioners (except ducts) and curtains	400
Sequential/switching AC controller TS4 – applies to all split and multi split models (except wall models)	390
Set of heaters with thermostat – heating function – applies to all split and multi split models	112
Set of heaters with thermostat – cooling function – applies to all split and multi split models	75
Connection kit for wired remote control ZPPP-FLY – applies to Fly air conditioners	50
Filters	40

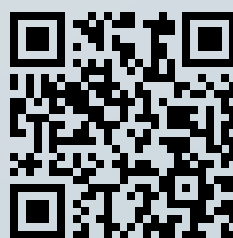
Purchase prices presented in the price list are net prices in EUR currency. | The price list does not constitute an offer within the meaning of Article 66 of the Commercial Code, and the photos of the products are only exemplary and serve to present selected models. | Products may in fact differ from those shown in the pictures. | Products are subject to continuous improvement, so Kaisai reserves the right to change prices and technical specifications without prior notice. | The existing price list is canceled.

Download technical

Documentation

Technical documentation for download **in several languages** in electronic format **in the app:**

KTG



Contact data

for Consumers:

Are you interested in buying our products?

Check the current list of Distributors at: <https://kaisai.pl/en/contact/>



for Distributors and Installers:

HEADQUARTERS

ul. Ostobramska 101A
04-041 Warszawa
+48 22 465 65 85 | +48 22 879 99 07

SALES DEPT.

+48 22 465 65 85
handlowy@kaisai.pl

Do you want to become our Distributor? Call or write to us.

Klima-Therm Group Academy:

Gdańsk Division

ul. Budowlanych 48
80-298 Gdańsk
+48 58 768 03 33

Warsaw Division

ul. Ostobramska 101A
04-041 Warszawa
+48 22 517 36 00

Katowice Division

ul. Chorzowska 108, Budynek B
40-101 Katowice
+48 32 209 49 26

Would you like to obtain an authorization certificate and become our installer?

Contact us: handlowy@kaisai.pl



This publication is an informational and presentation document for Kaisai air conditioners, air curtains and heat pumps. |The technologically advanced production process makes it necessary to continuously monitor and improve it. This is why the information contained in the publication may be subject to change. | The net prices are the catalog prices of the products and do not include discounts or installation costs. | Technical data and prices in the catalog are subject to change. Up-to-date information is always available at www.kaisai.pl

A white KAI SAI air purifier unit is positioned in the upper left corner of the frame. The unit is rectangular with a slightly rounded top and has the brand name 'KAI SAI' printed on its front panel. In the background, a window with a light-colored wooden frame is visible, and a modern, cylindrical lamp is partially seen on the right side. The floor is covered with light-colored, hexagonal tiles. The overall scene is brightly lit, suggesting a clean and modern interior environment.

KAI SAI

**/ technology
/ comfort
/ quality**



WE CARE ABOUT AIR

THE PRICELIST IS VALID FROM 1ST OF APRIL 2019 UNTIL FURTHER NOTICE

kaisai.com