

KAISAI

COMFORT



SMOOTH FAN SPEED ADJUSTMENT

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



AUTOMATIC RESTART

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



3D AIR SUPPLY

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



TURBO MODE

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



TEMPERATURE COMPENSATION

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



MULTIFUNCTIONAL REMOTE CONTROL

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



VANE FUNCTION

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



BREEZE AWAY FUNCTION

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



EVAPORATOR SELF-CLEANING

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



360° AIR SUPPLY

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



BROAD TEMPERATURE RANGE

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



COLD AIR SUPPLY CONTROL

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



COMPRESSOR AND CONDENSATE TRAY HEATER

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



QUIET OPERATION

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

COMFORTS

**TIMER**

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

**MONO AND MULTI**

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

**CENTRAL CONTROLLER**

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

**SIMPLE INSTALLATION**

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

**MULTI-DIRECTIONAL CASTORS**

Thanks to the integrated castors, relocating the air conditioner is easy.

**DOUBLE-SIDED INSTALLATION**

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

**MFB MODULE**

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

**AUTOMATIC BLINDS (SWING)**

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

**PERSONALISED REMOTE CONTROL**

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

**BLINDS SETTINGS MEMORY**

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

**ON-OFF PORT**

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

**WI-FI CONTROL**

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

**TWIN COMBINATION**

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

**BUILT-IN CONDENSATE PUMP**

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

**COMPACT DIMENSIONS**

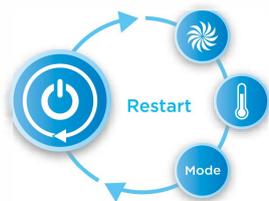
Well-planned components make the air conditioner small while retaining full performance parameters.

**LARGE INSTALLATION RANGE**

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

**VERY LARGE INSTALLATION RANGE**

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



AUTOMATIC **RESTART**

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



360° AIR SUPPLY

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



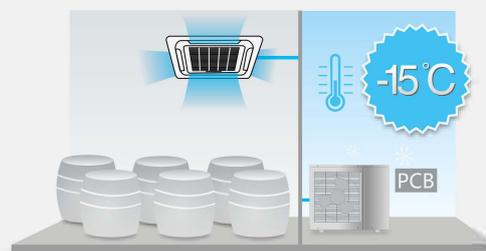
TEMPERATURE **SENSOR**

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



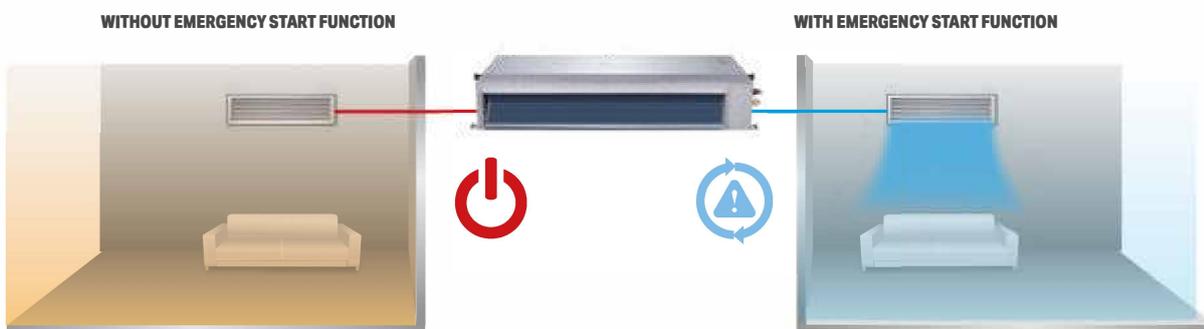
OPERATION AT **LOW OUTSIDE TEMPERATURES**

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



3D AIR SUPPLY

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



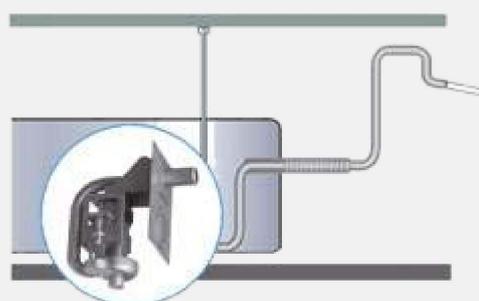
EMERGENCY USE

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



FRESH AIR

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



BUILT-IN CONDENSATE PUMP

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

TWIN SYSTEM

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

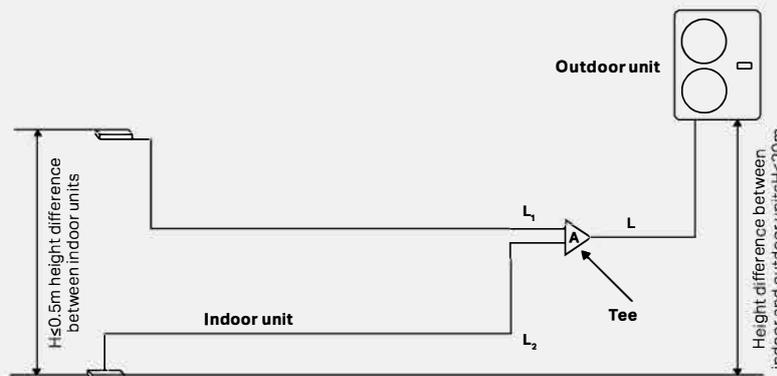
This system is ideal for air-conditioning large spaces such as conference and banquet halls, open-plan offices, restaurants and other service and commercial buildings. In a twin system, one indoor unit must be set as master and the other as slave. Only the master unit can accept the control signal from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

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

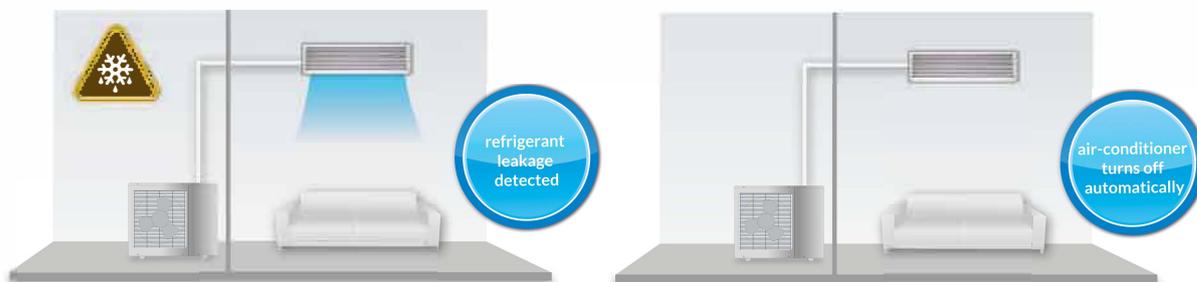
For the new KCA4U compact cassette units, it is possible to install double, triple and quadruple simultaneous systems. Technical details can be found in the service manual for cassette air conditioners.

INSTALLATION DIAGRAM FOR SIMULTANEOUS TWIN SYSTEM

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

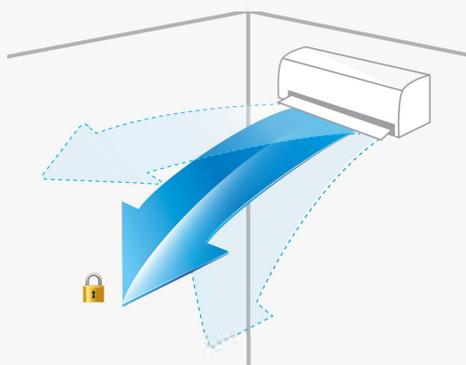


		Acceptable value	Installation
Installation length	Total installation length (active)	18K+18K	30m
		24K+24K	50m
	Maximum branch length		15m
	Maximum branch length difference		10m
Height difference	Maximum height difference between indoor and outdoor units		20m
	Maximum height difference between indoor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



REFRIGERANT LEAKAGE INDICATION

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



BLINDS SETTINGS MEMORY

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



CENTRAL CONTROLLER

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



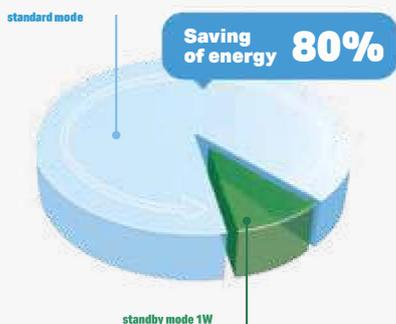
FIXED HEATING 8°C

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

It keeps the air conditioner at a constant temperature of up to 8°C; it prevents rooms from cooling down and pipes from freezing. This counteracts the build-up of moisture and thus the growth of micro-organisms and

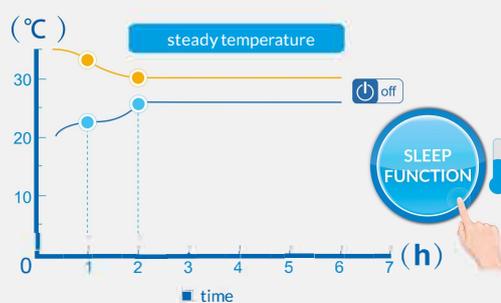
fungi. Air conditioners with this option are a more efficient solution than the commonly used thermostatically controlled electric heaters.

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



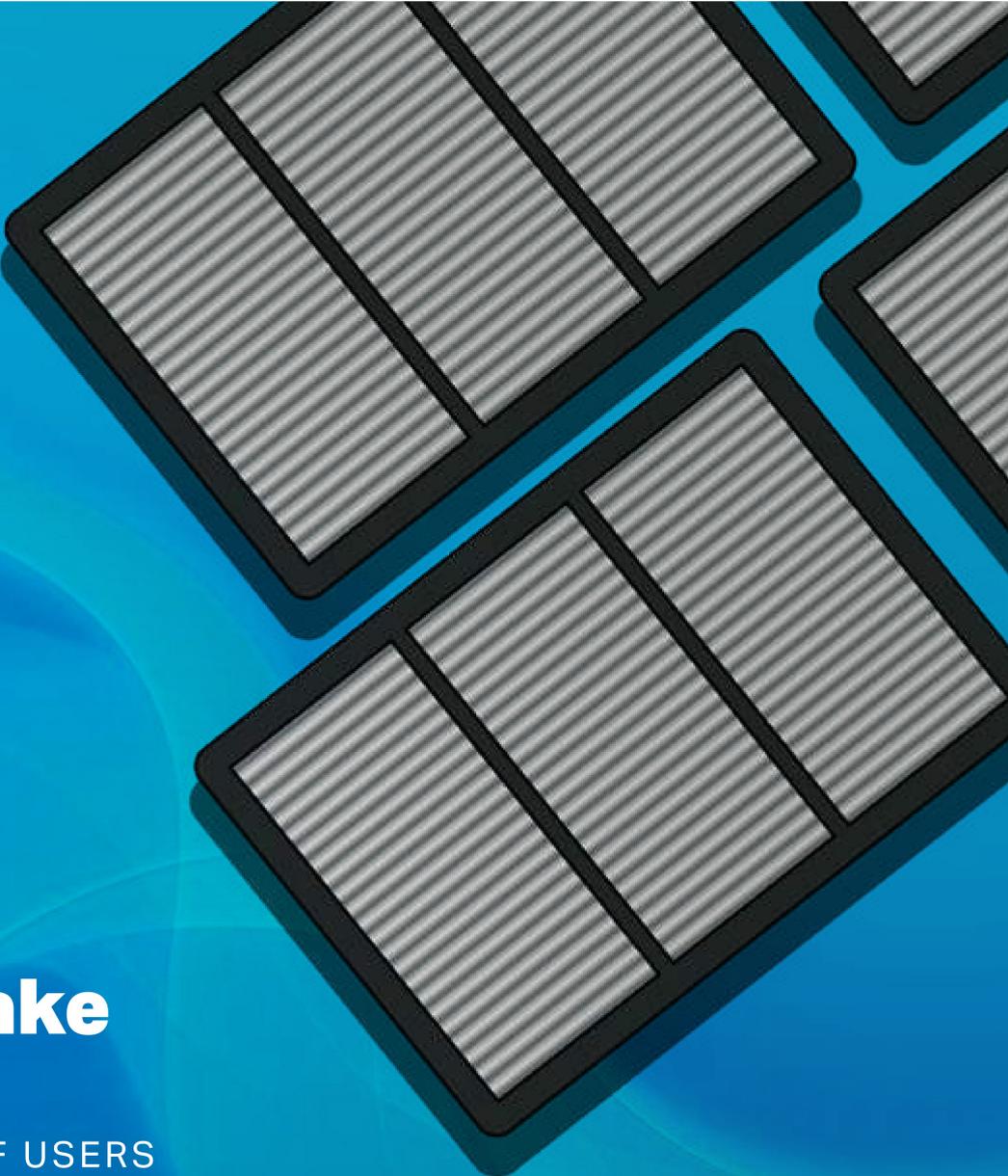
STANDBY MODE

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



SLEEP FUNCTION

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



For the sake of health

AND COMFORT OF USERS

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

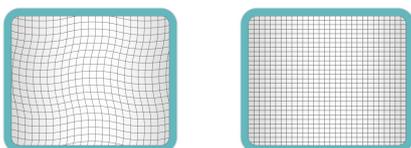
SELF-CLEANING EXCHANGER

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



SILVER ION FILTER

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



VITAMIN C FILTER

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

HIGH DENSITY FILTER

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

3M FILTER

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

NEW

BIOHEPA FILTER

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

NEW

COLD CATALYTIC FILTER

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

Features that help you look after your health

HEALTH



IONISATION

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



BIOHEPA FILTER

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



VITAMIN C FILTER

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



HIGH DENSITY FILTER

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



SILVER ION FILTER

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



FRESH AIR

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



3M FILTER

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



COLD CATALYTIC FILTER

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

MONEY SAVING

8°C**8°C CONTINUOUS HEATING FUNCTION**

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

1W**STANDBY MODE**

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

z z z**SLEEP FUNCTION**

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

5**5 FAN SPEEDS FOR THE OUTDOOR UNIT**

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

**TEMPERATURE SENSOR IN REMOTE CONTROL**

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

ECO**ECO**

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

**GEAR FUNCTION**

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

12**12 FAN SPEEDS FOR THE INDOOR UNIT**

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

SAFETY

**CONDENSATE EVAPORATION**

The condensed water is transported to the condenser where it evaporates. This eliminates the need for a condensate tank.

**OPERATION AT LOW OUTSIDE TEMPERATURES**

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

**OPERATION AT VERY LOW OUTSIDE TEMPERATURES**

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

**ALARM PORT**

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

**REFRIGERANT LEAKAGE INDICATION**

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

**SELF-DIAGNOSIS**

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

**EMERGENCY USE**

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

**ELECTRONIC EXPANSION VALVE**

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

Explore solutions you did not know

KAISAI RANGE OF APPLIANCES

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

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



WALL-MOUNTED AIR CONDITIONERS

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

COMMERCIAL AIR CONDITIONERS

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

MULTI SPLIT SYSTEMS

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

PORTABLE AIR CONDITIONERS

Portable air conditioners are used where it is not possible to install split air conditioning. They match the décor of home and office spaces thanks to their modern design.

A planet-friendly home



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

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

Series of

KAISAI AIR CONDITIONING APPLIANCES

TYPE	COOLING / HEATING CAPACITY [kW]					
	PAGE NUMBER	2,6	3,5	5,3	6,0	7,0÷7,2
WALL-MOUNTED AIR CONDITIONERS						
 FLY	52	•	•	•		•
 ICE	56	•	•	•		•
 GEO	60	•	•	•		•
 PRO HEAT	64	•	•	•		•
MULTI SPLIT SYSTEMS						
 WALL	70	•	•	•		•
 DUCT	71			•		
 CONSOLE	72		•	•		
 CASSETTE COMPACT	71	•	•	•		
 OUTDOOR UNITS	72			•		
COMMERCIAL AIR CONDITIONERS						
 FLOOR	76					•
 FLOOR AND CEILING	84			•		•
 CONSOLE	88		•	•		
 CASSETTE COMPACT	92		•	•		
 CASSETTE SUPER SLIM	96					•
 DUCT SLIM	100			•		•
 CONDENSING UNITS	104		•	•		•
PORTABLE AIR CONDITIONERS						
 KPPH	108	•				

COOLING / HEATING CAPACITY [kW]

7,9÷8,2

9,0

10,0

10,6

12,0÷12,4

14,0÷14,1

15,2÷15,8

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