

KAISAI

CATALOGUE

AIR CONDITIONING SYSTEMS



AIR CONDITIONING | VENTILATION | HEATING | PHOTOVOLTAICS

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AIR CONDITIONING • VENTILATION • HEATING • PHOTOVOLTAICS

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

The Kaisai brand debuted on the Polish market in 2011 and since then it has recorded sales growth every year in Poland and in foreign markets. The latest technological solutions make Kaisai appliances leaders in their class, meeting high expectations in terms of environmental care, energy savings,

quiet operation, safety, user comfort and manufacturer's warranty. Through many years of investment in technology, KAISAI equipment is considered to be some of the most innovative air conditioning solutions for public and residential buildings.

OVER
600
AUTHORISED SERVICE
POINTS IN POLAND

OVER
500000
UNITS SOLD
IN POLAND

30
TYPES
OF PRODUCTS



FLOOR AND CEILING
AIR CONDITIONERS



FLOOR
AIR CONDITIONERS



CONDENSING
UNITS



PORTABLE
AIR CONDITIONERS

THINK GLOBALLY WORK LOCALLY

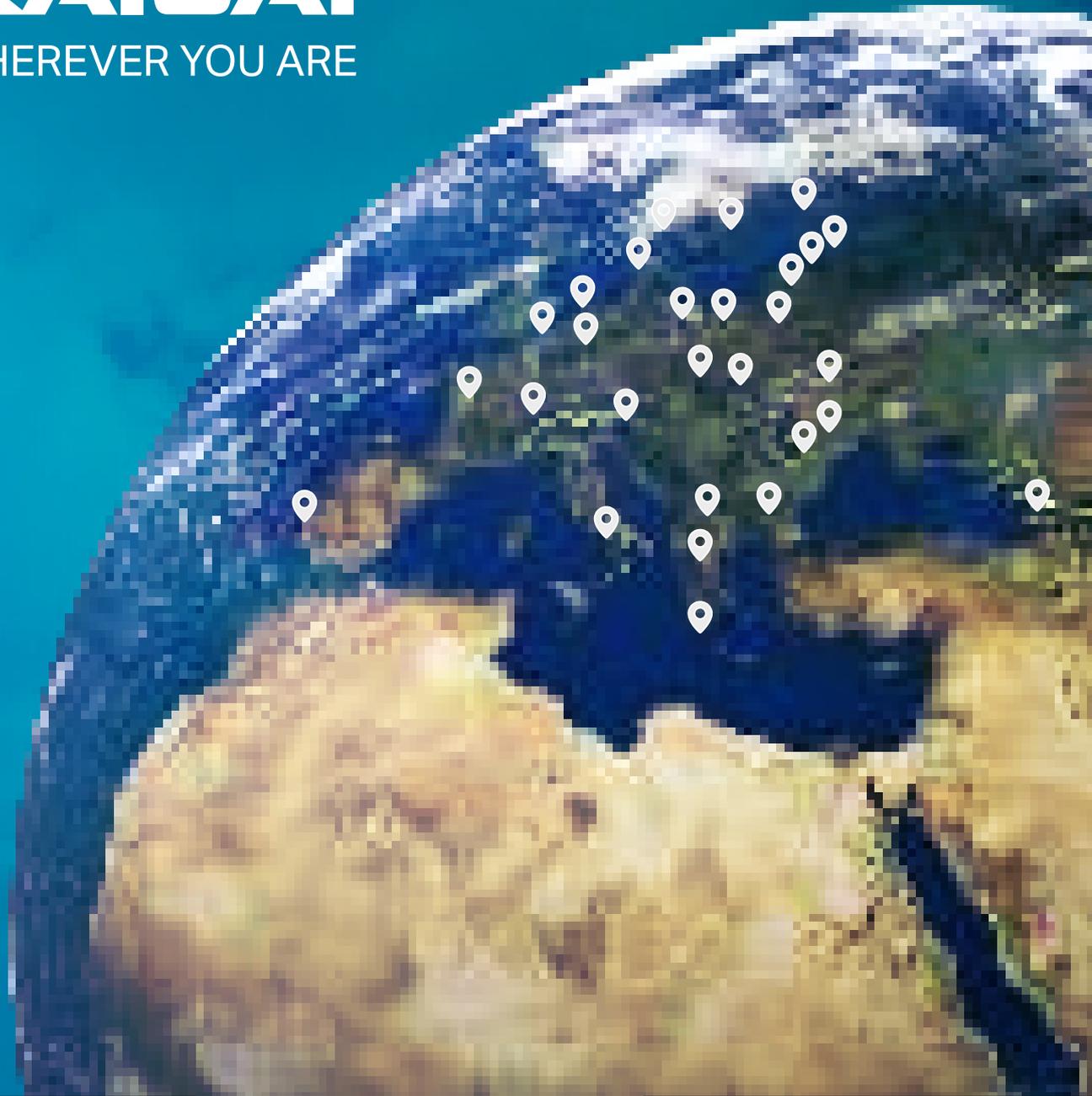
As part of the Kaisai International Corporation business platform, following the principle **Think globally – work locally**, the Kaisai brand is present in the following countries:

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

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

KAISAI

WHEREVER YOU ARE



33

COUNTRIES

OVER
1000

OUTLETS

OVER
650000

UNITS SOLD
WORLDWIDE

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.

**YEAR-ROUND OPERATION SET**

The year-round set includes electric crankcase heaters for the compressor and the condensate tray of the outdoor unit and a thermostat for controlling their operation. The set supports the operation of the air conditioner in heating mode and prevents icing of the outdoor unit.

**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.

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.

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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.



STERILISATION AT 56°C

The air is heated in an internal exchanger to 56°C, which destroys the organic DNA and RNA structures of bacteria and viruses, including SARS-CoV-2.



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.



DOUBLE FILTRATION

The double filtration system that the air conditioner is equipped with effectively stops pollen and dust, absorbs dust mites and removes unwanted odours from the air.



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.



FRESH AIR

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



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.



UV LAMP

The process of UV emission effectively removes bacteria, viruses, mould and fungi from the air and prevents their multiplication.



COLD CATALYTIC FILTER

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

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.

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%.

zzz

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.

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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.

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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.

**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.

**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.

		WALL	FLOOR	FLOOR AND CEILING	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

TYP	PAGE NUMBER	COOLING / HEATING CAPACITY [kW]				
		2,6	3,5	5,3	6,0	7,0÷7,2
WALL-MOUNTED AIR CONDITIONERS						
 FLY	53	•	•	•		•
 ONE+	57	•	•	•		•
 CARE	61		•	•		
 GEO	65		•	•		
 HOT	79		•			
 #290	73		•			
SYSTEMY MULTI SPLIT						
 OUTDOOR UNITS	89			•		
 WALL	80	•	•	•		•
 CASSETTE COMPACT	81	•	•	•		
 DUCT	81			•		
COMMERCIAL AIR CONDITIONERS						
 FLOOR	85					
 FLOOR AND CEILING	99			•		•
 CASSETTE COMPACT	93		•	•		
 CASSETTE SUPER SLIM	97					•
 DUCT SLIM	101			•		•
 CONDENSING UNITS	105		•	•		•
KLIMATYZATORY PRZENOŚNE						
 KPPH	110	•				
 KPPD	112		•			

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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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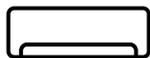
Wall-mounted air conditioners

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

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





KWX 09 | 12 | 18 | 24 HRGI

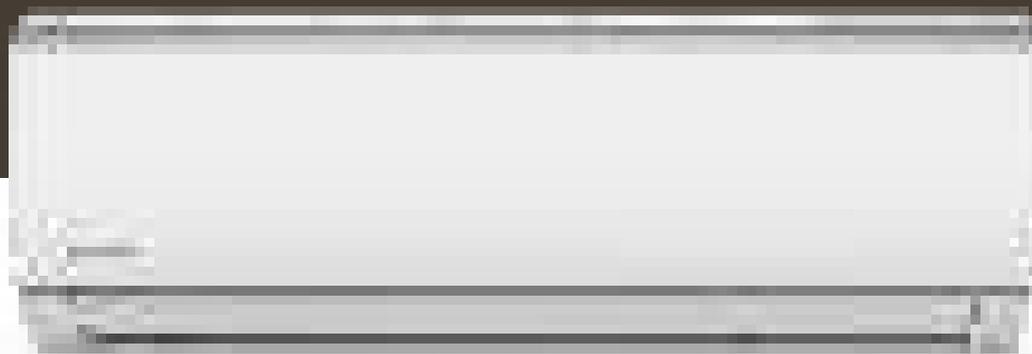
fly

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

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

A⁺

R32





Features of **Kaisai Fly**

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

Technical specification

MODEL	indoor unit		KWX-09HRGI	KWX-12HRGI	KWX-18HRGI	KWX-24HRGI
	outdoor unit		KWX-09HRGO	KWX-12HRGO	KWX-18HRGO	KWX-24HRGO
Capacity average (min÷max)	cooling	kW	2,6(0,9÷3,4)	3,5(1,1÷4,2)	5,3(2,9÷5,8)	7,0(2,1÷7,9)
	heating	kW	2,9(0,8÷3,4)	3,8(1,1÷4,2)	5,6(3,1÷5,8)	7,3(1,6÷7,9)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,3	6,1	7,4	6,1
SCOP	average	W/W	4,0	4,0	4,0	4,0
Average power consumption (min÷max)	cooling	W	732(100÷1240)	1213(130÷1580)	1550(560÷2050)	2600(420÷3150)
	heating	W	733(120÷1200)	1088(100÷1680)	1570(780÷2000)	2400(300÷2750)
Average operating current (min÷max)	cooling	A	3,2(0,4÷5,4)	5,3(0,5÷6,9)	6,7(2,4÷8,9)	11,5(1,8÷13,8)
	heating	A	3,2(0,5÷5,2)	4,7(0,4÷6,9)	6,8(3,4÷8,7)	11,0(1,3÷12,2)
Air flow rate	indoor	m³/h	466/360/325	540/430/314	840/680/540	980/817/662
	outdoor	m³/h	1750	1800	2100	3500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30
Sound pressure level	indoor	dB(A)	38,5/32/25/21	40,5/34,5/25/21	42,5/36/26/20	45/40,5/36/30
	outdoor	dB(A)	55,5	56	56	59
Net dimensions w/h/d	indoor	mm	805/285/194	805/285/194	957/302/213	1040/327/220
	outdoor	mm	720/495/270	720/495/270	805/554/330	890/673/342
Transport dimensions w/h/d	indoor	mm	870/365/270	870/365/270	1035/385/295	1120/405/315
	outdoor	mm	835/540/300	835/540/300	915/615/370	995/740/398
Net weight	indoor	kg	7,6	7,6	10,0	12,3
	outdoor	kg	23,2	23,2	32,7	42,9
Transport weight	indoor	kg	9,7	9,8	13,0	15,8
	outdoor	kg	25,0	25,0	35,4	45,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/9,52	6,35/12,7	9,52/15,9
Maximum installation length		m	25	25	30	50
Maximum height difference		m	10	10	20	25
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	10	16	16	20
Power supply lines	outdoor	# of wires x mm²	3x1,5	3x1,5	3x2,5	3x2,5
Control lines	ind. - outd.	# of wires x mm²	5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,55	0,55	1,08	1,42
Additional amount of refrigerant	over 5 rm	g/m	12	12	12	24

* Additional electric heaters, compressor and condensate tray are required for heating operation at outdoor temperatures below -15°C.

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Controllers

WIRELESS
REMOTE CONTROL

RG10B1



WIRELESS
REMOTE CONTROL

**RG66A1
(OPTIONAL)**



WIRED REMOTE
CONTROL

**KJR12B
(OPTIONAL)**



WIRED REMOTE
CONTROL

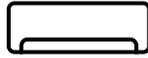
**KJR90A
(OPTIONAL)**





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KRX 09 | 12 | 18 | 24 PEGI

one+

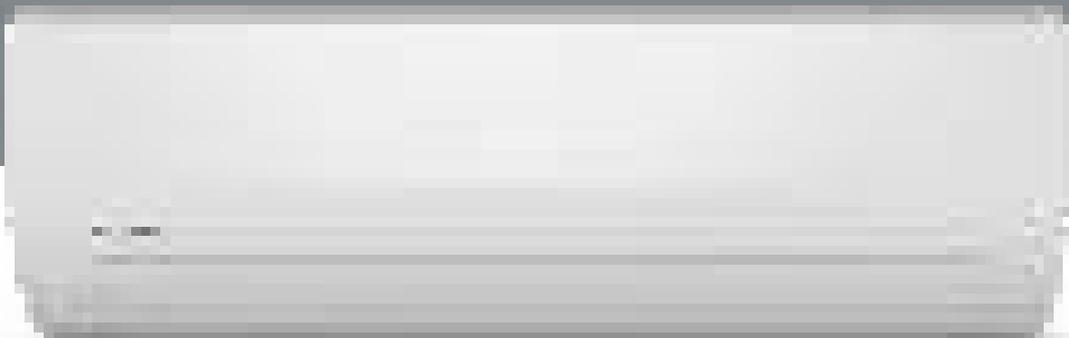
Energy-efficient devices combining modern design with exceptional simplicity of installation, maintenance and cleaning.

The new design of the air conditioner, and the optimised arrangement of the individual components inside the unit, save time during installation and daily operation. Through the use of modern technology and R32 refrigerant, the air conditioner can operate in a wide range of outdoor temperatures. Comfort of use is provided by a modern wireless remote control and a Wi-Fi function as standard, to control the device using your mobile phone or tablet.

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A⁺⁺

R32





Features of **Kaisai One +**

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

Technical specification

MODEL	indoor unit		KRX-09PEGI	KRX-12PEGI	KRX-18PEGI	KRX-24PEGI
	outdoor unit		KRX-09PEGO	KRX-12PEGO	KRX-18PEGO	KRX-24PEGO
Capacity average (min÷max)	cooling	kW	2,6(1,0÷3,2)	3,5(1,4÷4,3)	5,3(3,4÷5,9)	7,0(2,1÷8,2)
	heating	kW	2,9(0,8÷3,4)	3,8(1,1÷4,4)	5,6(3,1÷5,9)	7,3(1,6÷8,2)
Energy class	cooling/heating		A+++ / A++	A+++ / A++	A++/A+	A++/A+
SEER	average	W/W	8,8	8,5	7,5	6,5
SCOP	average	W/W	4,6	4,6	4,0	4,0
Average power consumption (min÷max)	cooling	W	628(90÷1140)	1034(130÷1650)	1550(560÷2050)	2340(420÷3200)
	heating	W	666(110÷1080)	1027(160÷1560)	1500(780÷2000)	2130(300÷3100)
Average operating current (min÷max)	cooling	A	2,7(0,4÷4,9)	4,5(0,6÷7,2)	6,7(2,4÷9)	10,0(1,8÷13,9)
	heating	A	2,9(0,5÷4,7)	4,6(0,7÷6,8)	6,5(2,2÷8,8)	9,3(1,3÷13,5)
Air flow rate	indoor	m³/h	480/365/305	531/414/327	540/710/800	980/860/640
	outdoor	m³/h	2150	2200	2100	3500
Operating temp. cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30
Sound pressure level	indoor	dB(A)	36,5/29/24/20	39/33/25/21	43,5/39/32/22	46/42/33/28
	outdoor	dB(A)	54,5	55,0	56,0	60,5
Net dimensions w/h/d	indoor	mm	805x302x193	805x302x193	964x325x222	1106x342x232
	outdoor	mm	765x555x303	765x555x303	805x554x330	890x673x342
Transport dimensions w/h/d	indoor	mm	875x375x290	875x375x290	1045x405x310	1195x420x320
	outdoor	mm	887x610x337	887x610x337	915x615x370	995x740x398
Net weight	indoor	kg	8,7	8,7	11,3	14,2
	outdoor	kg	26,7	26,7	33,5	43,9
Transport weight	indoor	kg	11,4	11,4	14,7	18,1
	outdoor	kg	29,1	29,1	36,1	46,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/9,52	6,35/12,7	9,52/15,9
Maximum installation length		m	25	25	30	50
Maximum height difference		m	10	10	20	25
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	10	16	16	20
Power supply lines	outdoor	# of wires x mm²	3x1,5	3x1,5	3x2,5	3x2,5
Control lines	ind. - outd.	# of wires x mm²	5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,62	0,62	1,10	1,45
Additional amount of refrigerant	over 5 rm	g/m	12	12	12	24

* Additional electric heaters, compressor and condensate tray are required for heating operation at outdoor temperatures below -15°C.

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Controllers

WIRELESS
REMOTE CONTROL

RG10B1



WIRELESS
REMOTE CONTROL

**RG66A1
(OPTIONAL)**



WIRED REMOTE
CONTROL

**KJR-120X2
(OPTIONAL)**

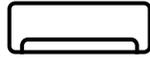


WIRED REMOTE
CONTROL

**CCM
(OPTIONAL)**







KWC-12/18 CGI

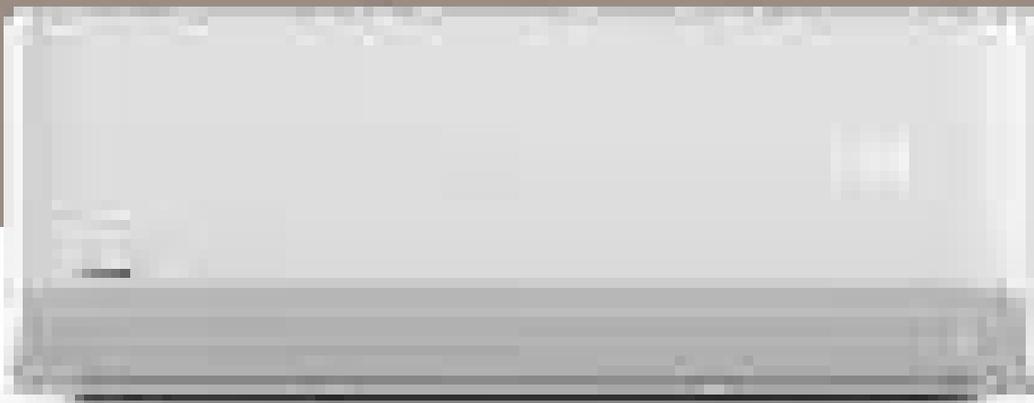
care

With its filters and modern features, the Kaisai Care wall air conditioner ensures clean air in your home.

The air conditioner is equipped with dual filters to stop pollen and dust, absorb dust mites and remove unwanted odours from the air. The I-Clean function effectively removes dust and mould from the unit, prevents the growth of bacteria and keeps the interior clean. The use of UV lamp and sterilisation function allows to eliminate micro-organisms present in the air-conditioned room.

61

A⁺ | R32 | 





Features of Kaisai Care

											
Wide temperature range	High-density filter	Blinds settings memory	Refrigerant leakage indication	Wi-Fi control	Emergency use	Double sided installation	Standby mode	Heating function 8°C	UV lamp	Self-diagnosis	Operation at low outside temperatures
											
3D air supply	Sleep function	Eco	Timer	Automatic restart	Remote control temperature sensor	Turbo mode	Gear mode	Sterilisation at 56°C function	Double filtration	Smooth fan speed adjustment	
OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL								
											
Silver ion filter	Vitamin C filter	3M filter	Compressor and condensate tray heaters								

Technical specification

MODEL	indoor unit		KWC-12CGI	KWC-18CGI
	outdoor unit		KWC-12CGO	KWC-18CGO
Capacity average (min÷max)	cooling	kW	3,5(1,4÷4,3)	5,3(3,4÷5,9)
	heating	kW	3,8(1,1÷4,4)	5,6(3,1÷5,8)
Energy class	cooling/heating		A++/A+	A++/A+
SEER	average		W/W	7,0
SCOP	average		W/W	4,2
Average power consumption (min÷max)	cooling	W	1096(120÷1650)	1550(560÷2050)
	heating	W	1027(110÷1480)	1750(780÷2000)
Average operating current (min÷max)	cooling	A	4,8(0,5÷7,2)	6,7(2,4÷9,0)
	heating	A	4,5(0,5÷6,4)	7,6(3,4÷8,7)
Air flow rate	indoor	m ³ /h	530/400/350	800/600/500
	outdoor	m ³ /h	1850	2100
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-25÷24	-15÷50/-25÷24
Sound pressure level	indoor	dB(A)	37/32/22/21	41/37/31/20
	outdoor	dB(A)	55	57
Net dimensions w/h/d	indoor	mm	835/295/208	969/320/241
	outdoor	mm	720/495/270	874/554/330
Transport dimensions w/h/d	indoor	mm	905/355/290	1045/405/315
	outdoor	mm	835/540/300	915/615/370
Net weight	indoor	kg	8,7	11,2
	outdoor	kg	23,7	33,5
Transport weight	indoor	kg	11,5	14,6
	outdoor	kg	25,5	36,1
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/12,70
Maximum installation length		m	25	30
Maximum height difference		m	10	20
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	10	16
Power supply lines	outdoor	# of wires x mm ²	3x1,5	3x1,5
Control lines	ind. - outd.	# of wires x mm ²	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,65	1,10
Additional amount of refrigerant	over 5 rm	g/m	12	12

* Additional electric heaters, compressor and condensate tray are required for heating operation at outdoor temperatures below -15°C.

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Controllers

WIRELESS
REMOTE CONTROL

RG10A1

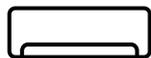


WIRELESS
REMOTE CONTROL

**RG66A1
(OPTIONAL)**







KGE 12 | 18 GRGI

geo

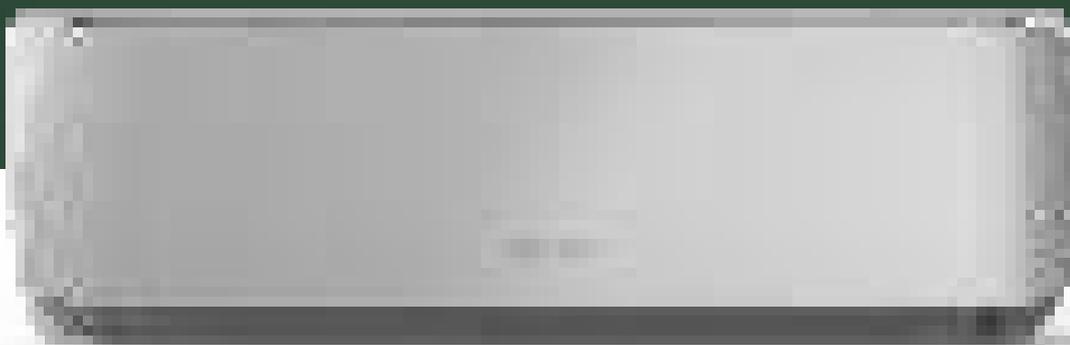
Geo units offer the highest energy efficiency class and modern air purification functions.

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

65

A⁺⁺⁺

R32





Features of Kaisai Geo

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

Technical specification

MODEL	indoor unit		KGE-12GRGI	KGE-18GRGI
	outdoor unit		KGE-12GRGO	KGE-18GRGO
Capacity average (min÷max)	cooling	kW	3,5(1,4÷4,3)	5,3(3,4÷5,9)
	heating	kW	3,8(1,1÷4,4)	5,6(3,1÷5,8)
Energy class	cooling/heating		A+++/A++	A++/A+
SEER	average		8,5	7,0
SCOP	average		4,6	4,0
Average power consumption (min÷max)	cooling	W	977(130÷1650)	1550(560÷2050)
	heating	W	977(160÷1560)	1500(780÷2000)
Average operating current (min÷max)	cooling	A	4,2(0,6÷7,2)	6,7(2,4÷9,0)
	heating	A	4,2(0,7÷6,8)	6,5(3,4÷8,7)
Air flow rate	indoor	m³/h	584/477/395	730/500/420
	outdoor	m³/h	2100	2200
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-25÷24	-15÷50/-25÷24
Sound pressure level	indoor	dB(A)	39,5/33/25/21	43/33,5/28/23
	outdoor	dB(A)	54,5	55,5
Net dimensions w/h/d	indoor	mm	802/297/189	965/319/215
	outdoor	mm	765/555/303	805/554/330
Transport dimensions w/h/d	indoor	mm	875/380/285	1045/410/305
	outdoor	mm	887/610/337	915/615/370
Net weight	indoor	kg	8,6	10,9
	outdoor	kg	26,7	33,5
Transport weight	indoor	kg	11,1	14,2
	outdoor	kg	29,1	36,1
Pipe diameter: liquid/gas			6,35/9,52	6,35/12,70
Maximum installation length			25	30
Maximum height difference			10	20
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	10	16
Power supply lines	outdoor	# of wires x mm²	3x1,5	3x1,5
Control lines	ind. - outd.	# of wires x mm²	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,62	1,10
Additional amount of refrigerant	over 5 rm	g/m	12	12

* Additional electric heaters, compressor and condensate tray are required for heating operation at outdoor temperatures below -15°C.

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Controllers

WIRELESS
REMOTE CONTROL

RG10B1

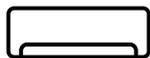


WIRELESS
REMOTE CONTROL

**RG66A
(OPTIONAL)**







KSH-12HRHI

hot

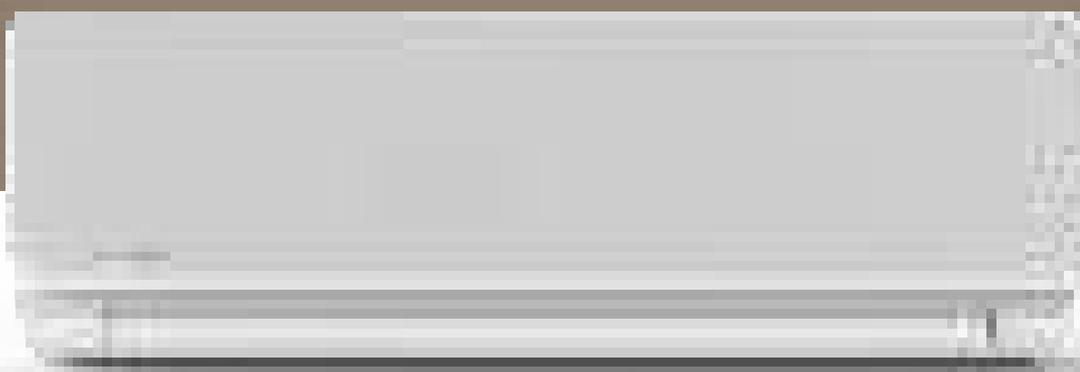
A top-of-the-line energy efficient appliance with exceptionally high energy efficiency ratings.

Ideal solution in cold climate zones, allowing for efficient heating of rooms in a very wide range of outdoor temperatures – even down to -25°C.

Hot combines modern design with high comfort, which is ensured by Wi-Fi as standard, air ionisation, Eco, Gear and 3D air vent functions.

A⁺⁺

R32





Features of **Kaisai Hot**

- | | | | | | | | | | | | | |
|------------------------|---------------------|------------------------|--------------------------------|---------------------------------------|-----------|-----------------------------------|---------------------------|-----------------------|----------------------|---------------------|-----------------------------|---------------------|
| | | | | | | | | | | | | |
| Wide temperature range | High-density filter | Blinds settings memory | Refrigerant leakage indication | Operation at low outside temperatures | Timer | Emergency use | Double sided installation | Standby mode | Heating function 8°C | Air ionization | Smooth fan speed adjustment | Self-diagnosis |
| | | | | | | | | | | OPTIONAL
 | OPTIONAL
 | OPTIONAL
 |
| 3D air supply | Sleep function | Eco | Wi-Fi control | Automatic restart | Gear mode | Remote control temperature sensor | Turbo mode | Cold-catalytic filter | BIO HEPA filter | Silver ion filter | Vitamin C filter | 3M filter |

Technical specification

MODEL	indoor unit	KSH-12HRHI	
	outdoor unit	KSH-12HRHO	
Capacity average (min÷max)	cooling	kW	3,5(0,9÷4,7)
	heating	kW	3,8(0,8÷5,6)
Energy class	cooling/heating		A+++/A++
SEER	average	W/W	8,5
SCOP	average	W/W	4,6
Average power consumption (min÷max)	cooling	W	879(60÷1590)
	heating	W	929(130÷2130)
Average operating current (min÷max)	cooling	A	3,8(0,3÷7,0)
	heating	A	4,0(0,6÷9,4)
Air flow rate	indoor	m³/h	520/370/310
	outdoor	m³/h	2150
Operating temperature cooling/heating	indoor	°C	16÷32/0÷30
	outdoor	°C	-15÷50/-25÷24
Sound pressure level	indoor	dB(A)	39/30/24
	outdoor	dB(A)	57,0
Net dimensions w/h/d	indoor	mm	835x295x208
	outdoor	mm	765x555x303
Transport dimensions w/h/d	indoor	mm	905x355x290
	outdoor	mm	887x610x337
Net weight	indoor	kg	8,7
	outdoor	kg	29,6
Transport weight	indoor	kg	11,3
	outdoor	kg	32
Pipe diameter: liquid/gas		mm	6,35/9,52
Maximum installation length		m	25
Maximum height difference		m	10
Power supply	outdoor	V/Hz/Ph	220-240/50/1
Circuit breaker/fuse	outdoor	A	10
Power supply lines	outdoor	# of wires x mm²	3x1,5
Control lines	ind. - outd.	# of wires x mm²	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,7
Additional amount of refrigerant	over 5 rm	g/m	12

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Controllers

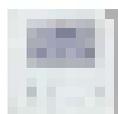
WIRELESS
REMOTE CONTROL

RG10A1



WIRED REMOTE
CONTROL

KJR-120X2
(OPTIONAL)

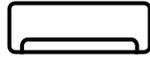


WIRED REMOTE
CONTROL

CCM
(OPTIONAL)







KBA-12H29RI

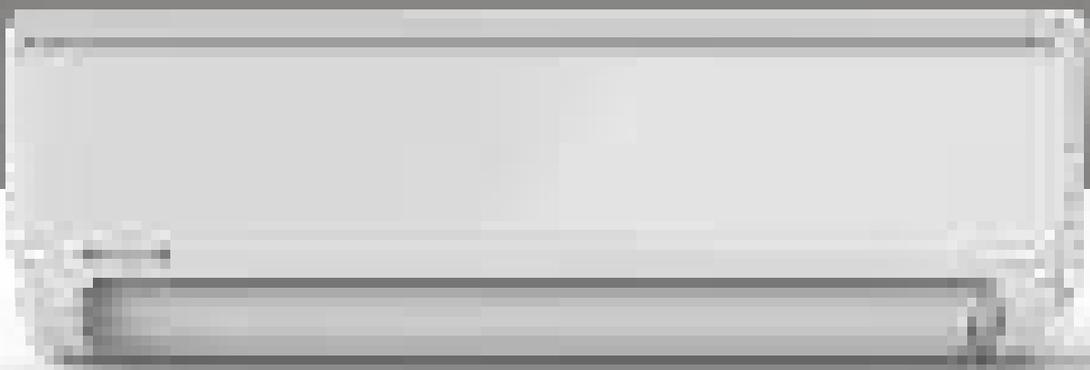
#290

The first wall-mounted air conditioner in the Kaisai product range to use the fully eco-friendly refrigerant R290, with a very low GWP and virtually zero negative impact on the environment.

Thanks to its properties, R290 has been awarded the most renowned certificate given to ecological products – Blue Angel. In addition to its high energy rating, R290 is characterised by a number of useful features such as: Wi-Fi as a standard, 3D ventilation, Bio HEPA air filters and cold-catalytic filter.

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A⁺⁺ | R290 | 





Features of **Kaisai #290**



Wide temperature range



Simple installation



Blinds settings memory



Refrigerant leakage indication



Operation at low outside temperatures



Remote control temperature sensor



Emergency use



Wi-Fi control



Standby mode



Heating function 8°C



Self-cleaning evaporator



3D air supply



Sleep function



Timer



Automatic restart



Self-diagnosis



Turbo mode



Cold-catalytic filter



BIO HEPA filter



Silver ion filter



Vitamin C filter



3M filter

OPTIONAL

OPTIONAL

OPTIONAL

Technical specification

MODEL	indoor unit		KBA-12H29RI
	outdoor unit		KBA-12H29RO
Capacity average (min÷max)	cooling	kW	3,5(1,4÷4,3)
	heating	kW	3,8(1,1÷4,4)
Energy class	cooling/heating		A+++/A++
SEER	average	W/W	8,5
SCOP	average	W/W	4,6
Average power consumption (min÷max)	cooling	W	977(130÷1650)
	heating	W	1270(160÷1560)
Average operating current (min÷max)	cooling	A	4,2(0,6÷7,2)
	heating	A	5,2(0,7÷6,8)
Air flow rate	indoor	m³/h	530/421/335
	outdoor	m³/h	3000
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30
	outdoor	°C	-15÷50/-15÷30
Sound pressure level	indoor	dB(A)	40/35/27/21
	outdoor	dB(A)	56,0
Net dimensions w/h/d	indoor	mm	805x302x193
	outdoor	mm	805x554x330
Transport dimensions w/h/d	indoor	mm	875x375x290
	outdoor	mm	915x615x370
Net weight	indoor	kg	8,5
	outdoor	kg	33,9
Transport weight	indoor	kg	11,3
	outdoor	kg	36,5
Pipe diameter: liquid/gas		mm	6,35/9,52
Maximum installation length		m	25
Maximum height difference		m	10
Power supply	outdoor	V/Hz/Ph	220-240/50/1
Circuit breaker/fuse	outdoor	A	10
Power supply lines	outdoor	# of wires x mm²	3x1,5
Control lines	ind. - outd.	# of wires x mm²	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,38
Additional amount of refrigerant	over 5 rm	g/m	10

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Controllers

WIRELESS
REMOTE CONTROL

RG10B1



R290
REFRIGERANT



Indoor unit
wall-mounted

Indoor unit
cassette

outdoor unit
option of connecting
2÷5 indoor units



Multi split systems

77

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

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

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

indoor units

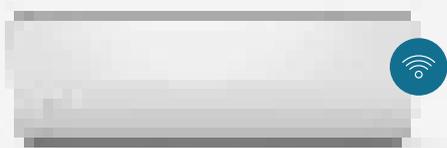


KWX 09 | 12 | 18 | 24 HRGI

WI-FI AS A STANDARD

MODEL			KWX-09HRGI	KWX-12HRGI	KWX-18HRGI	KWX-24HRGI
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
	heating	kW	2,9	3,8	5,6	7,3
Air flow rate	m³/h		466/360/325	540/430/314	840/680/540	980/817/662
Sound pressure level	(high/medium/low)	dB(A)	38,5/32/25/21	40,5/34,5/25/21	42,5/36/26/20	45/40,5/36/30
Dimensions w/h/d	net	mm	805/285/194	805/285/194	957/302/213	1040/327/220
	transport	mm	870/365/270	870/365/270	1035/385/295	1120/405/315
Weight	net	kg	7,6	7,6	10,0	12,3
	transport	kg	9,7	9,8	13,0	15,8
Pipe diameter	liquid	mm	6,35	6,35	6,35	9,52
	gas	mm	9,52	9,52	12,70	15,90

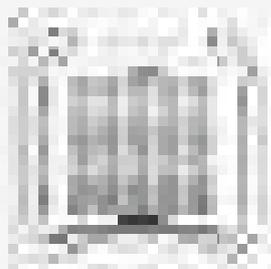
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KRX 09 | 12 | 18 | 24 PEGI

WI-FI AS A STANDARD

MODEL			KRX-09PEGI	KRX-12PEGI	KRX-18PEGI	KRX-24PEGI
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
	heating	kW	2,9	3,8	5,6	7,3
Air flow rate	m³/h		480/365/305	531/414/327	540/710/800	980/860/640
Sound pressure level	(high/medium/low)	dB(A)	36,5/29/24/20	39/33/25/21	43,5/39/32/22	46/42/33/28
Dimensions w/h/d	net	mm	805x302x193	805x302x193	964x325x222	1106x342x232
	transport	mm	875x375x290	875x375x290	1045x405x310	1195x420x320
Weight	net	kg	8,7	8,7	11,3	14,2
	transport	kg	11,4	11,4	14,7	18,1
Pipe diameter	liquid	mm	6,35	6,35	6,35	9,52
	gas	mm	9,52	9,52	12,70	15,90



KCA3I-09HRG32X | KCA3U 12 | 18 HRG32X

MODEL			KCA3I-09HRG32X	KCA3U-12HRG32X	KCA3U-18HRG32X
Power supply		V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1
Capacity	cooling	kW	2,6	3,5	5,3
	heating	kW	2,8	3,8	5,6
Air flow rate		m³/h	580/500/450	620/510/420	720/620/500
Sound pressure level	(high/medium/low)	dB(A)	38/33/29	41/36/33/25,5	43/39,5/35,5/29
Dimensions w/h/d	net	mm	570/260/570	570/260/570	570/260/570
	transport	mm	662/317/662	662/317/662	662/317/662
Dimensions w/h/dpanel	net	mm	647/50/647	647/50/647	647/50/647
	transport	mm	715/123/715	715/123/715	715/123/715
Weight	net	kg	14,5/2,5	16,0/2,5	16,3/2,5
	transport	kg	17,3/4,5	20,4/4,5	20,6/4,5
Pipe diameter	liquid	mm	6,35	6,35	6,35
	gas	mm	9,52	9,52	12,70

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KTI-18HWG32X

MODEL			KTI-18HWG32X
Power supply		V/Hz/Ph	220÷240/50/1
Capacity	cooling	kW	5,3
	heating	kW	5,6
Air flow rate		m³/h	911/706/515
Sound pressure level	(high/medium/low)	dB(A)	41/38/34/26
Available compression ratio	factory / max.	Pa	25/100
Dimensions w/h/d	net	mm	880/210/674
	transport	mm	1070/280/725
Weight	net	kg	24,4
	transport	kg	29,6
Pipe diameter	liquid	mm	6,35
	gas	mm	12,70

indoor units configuration table

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

K2OE-18HFN32H

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

K30A-27HFN32H

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

K4OE-28HFN32H

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

K4OB-36HFN32H

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

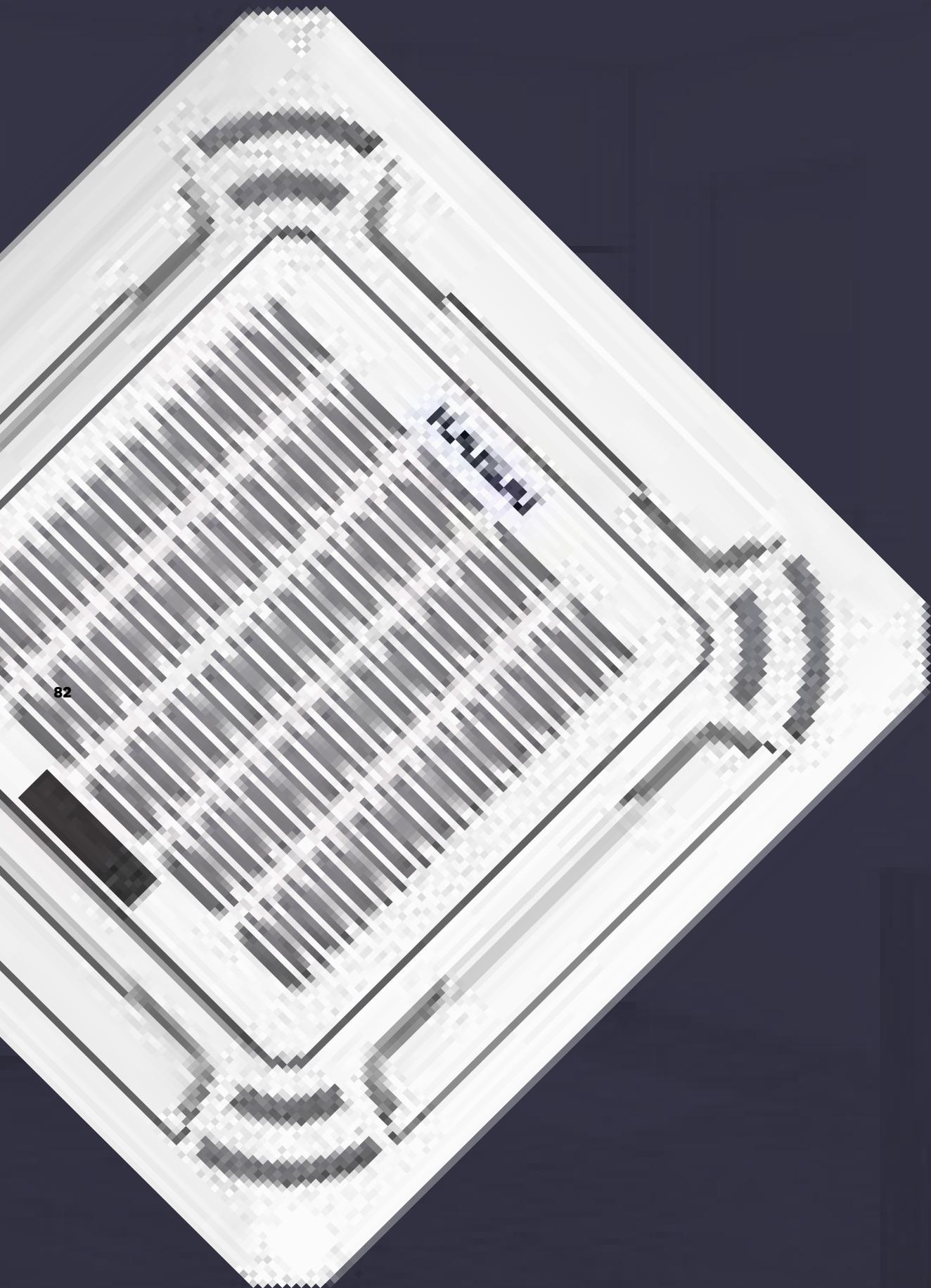
K5OE-42HFN32H

1 UNIT	2 UNITS		3 UNITS		
9	9+9	12+12	9+9+9	9+12+12	12+12+12
12	9+12	12+18	9+9+12	9+12+18	12+12+18
18	9+18	12+24	9+9+18	9+12+24	12+12+24
24	9+24	18+18	9+9+24	9+18+18	12+18+18
4 UNITS			5 UNITS		
9+9+9+9		9+9+12+18	12+12+12+12		9+9+9+9+9
9+9+9+12		9+9+12+24	12+12+12+18		9+9+9+9+12
9+9+9+18		9+9+18+24	9+9+9+9+18		
9+9+9+24		9+12+12+12	9+9+9+12+12		
9+9+12+12		9+12+12+18	9+9+9+12+18		

outdoor units

Technical specification

MODEL	outdoor unit		K20E-18HFN32H	K30A-27HFN32H	K40E-28HFN32H	K40B-36HFN32H	K50E-42HFN32H
Capacity average (min÷max)	cooling	kW	5,3(2,3÷5,7)	7,9(3,2÷8,2)	8,2(2,0÷9,8)	10,6(2,0÷12,7)	12,3(3,0÷12,3)
	heating	kW	5,6(2,4÷5,7)	8,2(2,3÷8,5)	8,8(2,4÷10,6)	10,8(2,3÷13,0)	12,3(3,5÷12,3)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A	A++/A	A++/A
SEER	average	W/W	6,1	6,1	6,1	6,2	6,1
SCOP	average	W/W	3,8	4,0	3,8	3,8	3,5
Average power consumption (min÷max)	cooling	W	1635(690÷2000)	2450(290÷3100)	2540(890÷3180)	3270(1140÷4090)	3810(280÷4650)
	heating	W	1500(600÷1780)	2210(370÷2900)	2200(770÷2750)	2760(970÷3450)	3300(650÷3800)
Average operating current (min÷max)	cooling	A	7.3(3.2÷9.0)	11.2(2.0÷13.5)	11.3(3.9÷14.1)	14.3(5.1÷18.2)	16(1.4÷20.7)
	heating	A	6.6(2.80÷7.95)	10.1(2.4÷13)	9.8(3.4÷12.2)	12.1(4.3÷15.3)	14.6(3.0÷16.6)
Air flow rate		m³/h	2100	3000	3800	4000	3850
Operating temperature cooling/heating		°C	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level		dB(A)	54	58	61.5	63	64
Net dimensions w/h/d		mm	805/554/330	890/673/342	946/810/410	946/810/410	946/810/410
Transport dimensions w/h/d		mm	915/615/370	1030/750/438	1090/875/500	1090/875/500	1090/875/500
Net weight		kg	35,0	48,0	62,1	68,8	74,1
Transport weight		kg	38	51,8	67,7	75,6	79,5
Pipe diameter: liquid/gas		mm	2x 6,35/9,52	3x 6,35/9,52	3x 6,35/9,52 + 1x 6,35/12,7	3x 6,35/9,52 + 1x 6,35/12,7	4x 6,35/9,52 + 1x 6,35/12,7
Maximum installation length		m	40	60	80	80	80
Max. installation length for 1 indoor unit		m	25	30	35	35	35
Maximum height difference		m	15	15	15	15	15
Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Circuit breaker/fuse		A	16	20	25	25	25
Power supply lines		# of wires x mm²	3x2,5	3x2,5	3x4,0	3x4,0	3x4,0
Control lines			4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory	up to 5 m	kg	1,25	1,85	2,10	2,10	2,90
Additional amount of refrigerant	over 5 m	g/m	12 (over 15 m of installation)	12 (over 22,5 m of installation)	12 (over 30 m of installation)	12 (over 30 m of installation)	12 (over 37,5 m of installation)



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floor

floor and ceiling

cassette

duct

condensing units

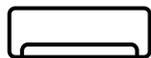
Commercial air conditioners

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

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





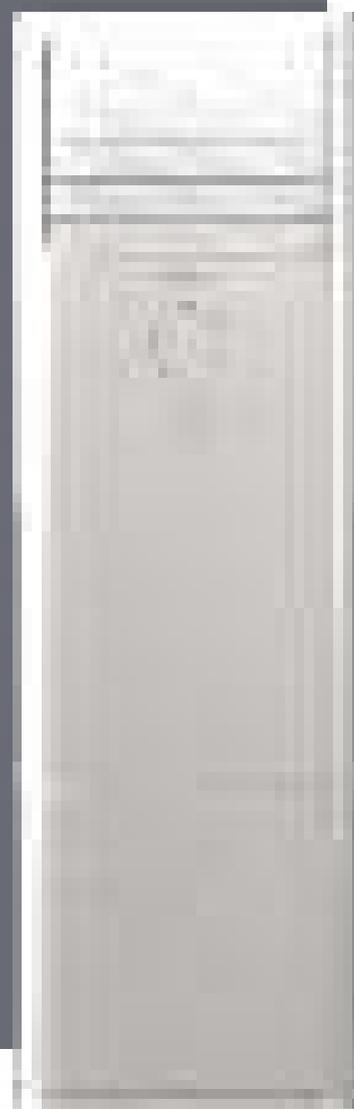
KFS-48HRG32X

kfs

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

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

A⁺ | R32



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Features of **Kaisai kfs**



Wide temperature range

OPTIONAL



Silver ion filter



3D air supply

OPTIONAL



Vitamin C filter



Automatic blinds (swing)

OPTIONAL



3M filter



Refrigerant leakage indication



Cold air control



Remote control temperature sensor



Sleep function



Timer



Automatic restart



Self-diagnosis



Operation at low outside temperatures

Technical specification

MODEL	jedn. wewn.		KFS-48HRG32X
	jedn. zewn.		KOE30U-48HFN32X
Capacity average (min÷max)	cooling	kW	14,1(3,5÷15,7)
	heating	kW	16,1(4,1÷17,9)
Energy class	cooling/heating		A++/A+
SEER	average	W/W	6,1
SCOP	average	W/W	4
Average power consumption (min÷max)	cooling	W	4950(900÷5950)
	heating	W	5100(1000÷6200)
Average operating current (min÷max)	cooling	A	8,0(1,9÷10,3)
	heating	A	8,5(1,6÷10,5)
Air flow rate	indoor	m³/h	2413/2222/2027
	outdoor	m³/h	7500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30
	outdoor	°C	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	53/49/47
	outdoor	dB(A)	63,5
Net dimensions w/h/d	indoor	mm	629/1935/456
	outdoor	mm	952/1333/415
Transport dimensions w/h/d	indoor	mm	750/2055/575
	outdoor	mm	1095/1480/495
Net weight	indoor	kg	59,0
	outdoor	kg	103,7
Transport weight	indoor	kg	77,0
	outdoor	kg	118,3
Pipe diameter: liquid/gas		mm	9,52/15,9
Maximum installation length		m	75
Maximum height difference		m	30
Power supply	outdoor		380-420/50/3
Circuit breaker/fuse	outdoor	A	16
Power supply lines	outdoor	# of wires x mm²	5x2,5
Control lines	ind. - outd.		4 x 1,5
Factory amount of refrigerant	up to 5 m	kg	2,9
Additional amount of refrigerant	over 5 m	g/m	24
Outer diameter of condensate drain		mm	25

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Controllers

WIRELESS
REMOTE CONTROL

RG10B







KUE 18 | 24 | 36 | 48 | 55 HRG32X

kue

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

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

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A⁺ | R32





Features of **Kaisai kue**

- | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |
| Blinds settings memory | Turbo mode | Double sided installation | Refrigerant leakage indication | Built-in condensate pump | Quiet operation | Alarm port | Emergency use | Timer | Automatic restart | Naview 3D | Compressor and condensate tray heaters |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Twin combination | Fresh air | On-off port | Gear mode | The Eco Mode | Sleep function | Heating function 8°C | Self-cleaning evaporator | Cold air control | Remote control temperature sensor | Smooth fan speed adjustment | Operation at low outside temperatures |
| OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | OPTIONAL | | | | | | |
|  |  |  |  |  |  | | | | | | |
| Central controller | Wi-Fi control | Wired controller | Silver ion filter | Vitamin C filter | 3M filter | | | | | | |

Technical specification

MODEL	jedn. wewn.		KUE-18HRG32X	KUE-24HRG32X	KUE-36HRG32X	KUE-36HRG32X	KUE-48HRG32X	KUE-55HRG32X
	jedn. zewn.		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	5,3 (2,7÷5,9)	7,0 (3,2÷7,8)	10,6 (2,7÷11,4)	10,6 (2,7÷11,8)	14,1 (3,5÷15,2)	15,8 (4,1÷16,7)
	heating	kW	5,6 (2,4÷6,3)	7,6 (2,7÷8,3)	11,7 (2,8÷12,8)	11,7 (2,8÷12,8)	16,1 (4,1÷17,0)	18,2 (4,4÷19,6)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,2	6,1	6,2	6,4	6,1	6,1
SCOP	average	W/W	4,0	4,0	4,0	4,1	4,0	4,0
Avg. power consumption (min÷max)	cooling	W	1450 (670÷2027)	2300 (747÷2930)	3900 (900÷4250)	40000 (890÷4300)	5000 (900÷5950)	5650 (1100÷6650)
	heating	W	1500 (540÷1640)	2050 (650÷2850)	3350 (800÷3950)	3350 (780÷3950)	5100 (1000÷6050)	6050 (1050÷7100)
Avg. operating current (min÷max)	cooling	A	6,0 (3,2÷9,0)	10,5 (3,9÷13,1)	17,0 (4,2÷19,0)	6,3 (1,4÷6,8)	8,8 (1,9÷10,3)	9,7 (3,2÷11,5)
	heating	A	6,6 (2,7÷7,3)	9,5 (3,5÷12,7)	15,0 (3,5÷17,5)	5,4 (1,3÷6,2)	8,9 (2,1÷10,5)	10,5 (2,2÷12,0)
Air flow rate	indoor	m³/h	958/839/723	1192/1023/853	1955/1728/1504	1955/1728/1504	2100/1850/1600	2200/1950/1650
	outdoor	m³/h	2200	3500	4000	4000	7500	7500
Operating temp. cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level	indoor	dB(A)	43,5/41/36,5/24	49/46/43/32	50/48,5/44/37	50/48,5/44/37	53/50/45/36	54/50,5/46,5/38
	outdoor	dB(A)	56	60	63	63	63,5	64
Net dimensions w/h/d	indoor	mm	1068/675/235	1068/675/235	1650/675/235	1650/675/235	1650/675/235	1650/675/235
	outdoor	mm	805/554/330	890/673/342	946/810/410	946/810/410	952/1333/415	952/1333/415
Transp. dimensions w/h/d	indoor	mm	1145/755/318	1145/755/318	1725/755/318	1725/755/318	1725/755/318	1725/755/318
	outdoor	mm	915/615/370	995/740/398	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight	indoor	kg	28,0	28,0	41,5	41,5	41,7	42,3
	outdoor	kg	26,6	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	33,1	33,3	48,0	48,0	48,5	49,2
	outdoor	kg	29,0	46,9	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas	mm		6,35/12,7	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length	m		30	50	75	75	75	75
Maximum height difference	m		20	25	30	30	30	30
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	16	20	25	16	16	16
Power supply lines	outdoor	# of wires	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control lines	ind. - outd.	x mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of	up to 5 rm	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional refrigerant	over 5 rm	g/m	12	24	24	24	24	24
Outer diameter of condensate drain	mm		25	25	25	25	25	25

Controllers

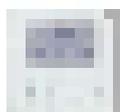
WIRELESS
REMOTE CONTROL

RG10A



WIRED REMOTE
CONTROL

**KJR-120X2
(OPTIONAL)**

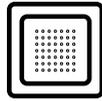


WIRED REMOTE
CONTROL

**CCM
(OPTIONAL)**







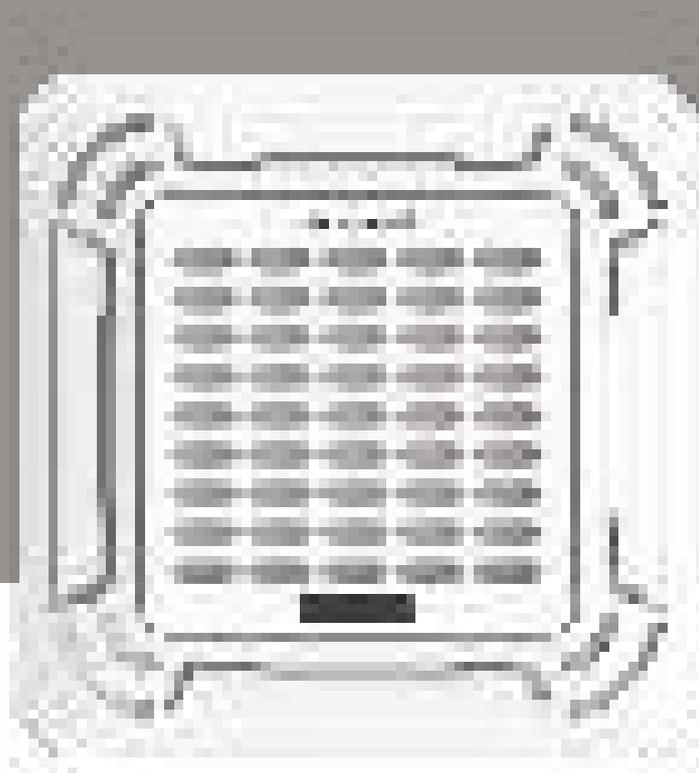
KCA3U 12 | 18 HRG32X

kca

Cassette air conditioners are ideal for offices, conference rooms and other rooms requiring efficient air conditioning.

Kompakt cassette air conditioners are equipped with an indoor unit with a quiet fan and a peripheral airflow. They are characterised by high performance and high user comfort. They have a fresh air supply function and the option of connecting an additional supply air duct to the adjacent room.

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A⁺₊

R32



Features of **Kaisai kca**

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

Technical specification

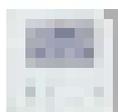
MODEL	indoor unit		KCA3U-12HRG32X	KCA3U-18HRG32X
	outdoor unit		KOX230-12HFN32X	KOX330-18HFN32X
Capacity average (min÷max)	cooling	kW	3,5 (0,8÷4,1)	5,3 (2,9÷5,6)
	heating	kW	3,8 (0,5÷4,3)	5,6 (2,4÷6,1)
Energy class	cooling/heating		A++/A+	A++/A+
SEER	average		W/W	6,6
SCOP	average		W/W	4,1
Average power consumption (min÷max)	cooling	W	1010 (168÷1434)	1633 (720÷2088)
	heating	W	1019 (124÷1376)	1540 (700÷1930)
Average operating current (min÷max)	cooling	A	4,4 (1,3÷6,3)	7,2 (3,2÷9,2)
	heating	A	4,7 (1,0÷6,1)	6,8 (3,1÷8,5)
Air flow rate	indoor	m³/h	620/510/420	720/620/500
	outdoor	m³/h	2100	2200
Operating temperature cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15+50/-15+24	-15+50/-15+24
Sound pressure level	indoor	dB(A)	41/36/33/25,5	43/39,5/35,5/29
	outdoor	dB(A)	53,6	56
Net dimensions w/h/d	indoor	mm	570/260/570	570/260/570
	outdoor	mm	765/555/303	805/554/330
	panel	mm	647/50/647	647/50/647
Transport dimensions w/h/d	indoor	mm	662/317/662	662/317/662
	outdoor	mm	887/610/337	915/615/370
	panel	mm	715/123/715	715/123/715
Net weight	indoor	kg	16,0/2,5	16,3/2,5
	outdoor	kg	26,6	32,5
Transport weight	indoor	kg	20,4/4,5	20,6/4,5
	outdoor	kg	29,0	35,2
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/12,70
Maximum installation length		m	25	30
Maximum height difference		m	10	20
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	16	16
Power supply lines	outdoor	# of wires x mm²	3x2,5	3x2,5
Control lines	ind. - outd.	# of wires x mm²	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,72	1,15
Additional amount of refrigerant	over 5 rm	g/m	12	12
External diameter of condensate drain		mm	25	25

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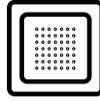
Controllers

WIRELESS
REMOTE CONTROL

RG10A

WIRED REMOTE
CONTROLKJR-120X2
(OPTIONAL)WIRED REMOTE
CONTROLKJR12B
(OPTIONAL)WIRED REMOTE
CONTROLCCM
(OPTIONAL)





KCD 24 | 36 | 48 | 55 HRG32X

kcd

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

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

97



A⁺

R32



Features of **Kaisai kcd**

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

Technical specification

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

Controllers

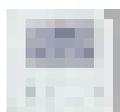
WIRELESS
REMOTE CONTROL

RG10N2



WIRED REMOTE
CONTROL

**KJR-120X2
(OPTIONAL)**



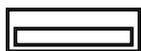
WIRED REMOTE
CONTROL

**CCM
(OPTIONAL)**





100



KTI 18 | 24 | 36 | 48 | 55 HWG32X

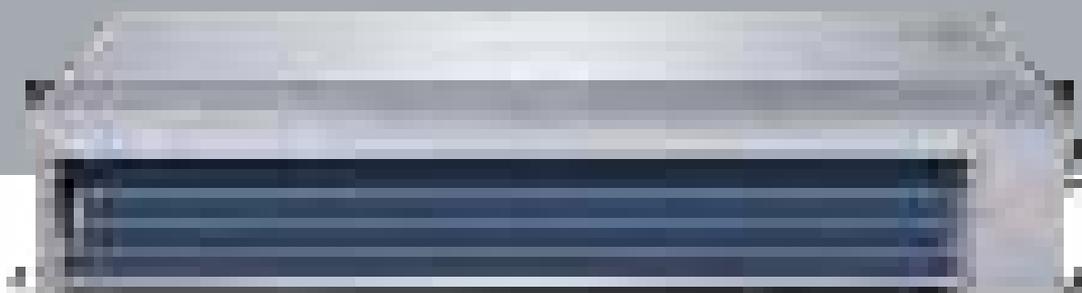
k^ti

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

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

101

A⁺ | R32





Features of **Kaisai kti**



Double sided installation



Refrigerant leakage indication



Cold air control



Emergency use



Self-diagnosis



Timer



Automatic restart



Alarm port



Remote control temperature sensor



Operation at low outside temperatures



Twin combination



Fresh air



On-off port



Temperature compensation



Built-in condensate pump



Compressor and condensate tray heaters

OPTIONAL



Central controller

OPTIONAL



Wi-Fi control

Technical specification

MODEL	jedn. wewn.		KTI-18HWG32X	KTI-24HWG32X	KTI-36HWG32X	KTI-36HWG32X	KTI-48HWG32X	KTI-55HWG32X
	jedn. zewn.		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	5,3 (2,6÷5,9)	7,0 (3,3÷8,2)	10,6 (2,8÷11,1)	10,6 (2,7÷11,8)	14,1 (3,5÷15,5)	15,2 (4,1÷17,3)
	heating	kW	5,6 (2,2÷6,2)	7,6 (2,8÷8,5)	11,7 (2,8÷12,8)	11,7 (2,8÷12,8)	16,1 (4,1÷18,2)	18,2 (4,4÷20,5)
Energy class	cooling/heating		A+/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	6,5	6,2	6,2	6,1	6,1	6,1
SCOP	average	W/W	4,0	4,0	4,0	4,0	4,0	4,0
Avg. power consumption (min÷max)	cooling	W	1530 (710÷2150)	2190 (750÷2960)	3950 (900÷4150)	4000 (890÷4200)	4800 (880÷6000)	5250 (1030÷6650)
	heating	W	1510 (740÷1760)	1900 (640÷2580)	3250 (800÷3950)	3250 (780÷4000)	4500 (950÷5700)	5150 (950÷6600)
Avg. operating current (min÷max)	cooling	A	7,1 (3,2÷9,6)	10,2 (4,2÷13,2)	17,5 (4,2÷18,5)	6,5 (1,4÷6,7)	8,4 (1,9÷10,4)	9,6 (3,1÷11,5)
	heating	A	6,8 (3,3÷7,7)	9,2 (3,8÷11,6)	14,5 (3,5÷17,5)	5,3 (1,3÷6,4)	8,0 (2,0÷9,8)	9,5 (2,0÷11,5)
Air flow rate	cooling	m³/h	911/706/515	1229/1035/825	2100/1800/1500	2100/1800/1500	2400/2040/1680	2600/2210/1820
	heating	m³/h	2200	3500	4000	4000	7500	7500
Available compression ratio		Pa	25/100	25/160	37/160	37/160	50/160	50/160
Operating temp. cooling/heating	indoor	°C	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30	16÷32/0÷30
	outdoor	°C	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24	-15÷50/-15÷24
Sound pressure level	indoor	dB(A)	41/38/34/26	42/40/37/27	49,5/48/46/42	49,5/48/46/42	50/49/47/42	52,5/49/47/42
	outdoor	dB(A)	56	60	63	63	63,5	64
Net dimensions w/h/d	indoor	mm	880/210/674	1100/249/774	1360/249/774	1360/249/774	1200/300/874	1200/300/874
	outdoor	mm	805/554/330	890/673/342	946/810/410	946/810/410	952/1333/415	952/1333/415
Transp. dimensions w/h/d	indoor	mm	1070/280/725	1305/315/805	1570/330/805	1570/330/805	1405/365/915	1405/365/915
	outdoor	mm	915/615/370	995/740/398	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight	indoor	kg	24,4	32,3	40,5	40,5	47,4	47,6
	outdoor	kg	26,6	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	29,6	39,1	48,2	48,2	55,8	56,1
	outdoor	kg	29,0	46,9	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	6,35/12,7	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	30	50	75	75	75	75
Maximum height difference		m	20	25	30	30	30	30
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	16	20	25	16	16	16
Power supply lines	outdoor	# of wires x mm²	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control lines	ind. - outd.		4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional refrigerant	over 5 rm	g/m	12	24	24	24	24	24
Outer diameter of condensate drain		mm	25	25	25	25	25	25

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Controllers

WIRED REMOTE CONTROL

KJR-120X2



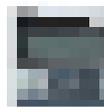
WIRELESS REMOTE CONTROL

RG66A1 (OPTIONAL)



WIRED REMOTE CONTROL

KJR12B (OPTIONAL)



WIRED REMOTE CONTROL

CCM (OPTIONAL)



104





condensing units

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

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

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Technical specification

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

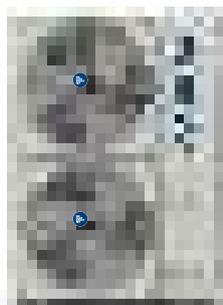
Technical specification

MODEL			KOD30U- -36HFJ32X	KOD30U- -36HFN32X	KOE30U- -48HFN32X	KOE30U- -55HFN32X
Capacity average (min÷max)	cooling	kW	10,6(2,7÷11,4)	10,6(2,7÷11,8)	14,1(3,5÷15,2)	15,8(4,1÷16,7)
	heating	kW	11,7(2,8÷12,8)	11,7(2,8÷12,8)	16,1(4,1÷17,0)	18,2(4,4÷19,6)
Energy class	cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+
SEER	średni	W/W	6,2	6,4	6,1	6,1
SCOP	średni	W/W	4,0	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	3900(900÷4250)	40000(890÷4300)	5000(900÷5950)	5650(1100÷6650)
	heating	W	3350(800÷3950)	3350(780÷3950)	5100(1000÷6050)	6050(1050÷7100)
Average operating current (min÷max)	cooling	A	17,0(4,2÷19,0)	6,3(1,4÷6,8)	8,8(1,9÷10,3)	9,7(3,2÷11,5)
	heating	A	15,0(3,5÷17,5)	5,4(1,3÷6,2)	8,9(2,1÷10,5)	10,5(2,2÷12,0)
Air flow rate		m³/h	4000	4000	7500	7500
Operating temperature	cooling	°C	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24	-15+50/-15+24
Sound pressure level		dB(A)	63	63	63,5	64
Net dimensions w/h/d		mm	946/810/410	946/810/410	952/1333/415	952/1333/415
Transport dimensions w/h/d		mm	1090/885/500	1090/885/500	1095/1480/495	1095/1480/495
Net weight		kg	66,9	80,5	103,7	107,0
Transport weight		kg	71,5	85,0	118,3	121,2
Pipe diameter: liquid/gas		mm	9,52/15,9	9,52/15,9	9,52/15,9	9,52/15,9
Maximum installation length		m	75	75	75	75
Maximum height difference		m	30	30	30	30
Power supply		V/Hz/Ph	220-240/50/1	380-420/50/3	380-420/50/3	380-420/50/3
Circuit breaker/fuse		A	25	16	16	16
Power supply lines		# of wires x mm²	3x4,0	5x2,5	5x2,5	5x2,5
Control lines			4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 rm	kg	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 rm	g/m	24	24	24	24

Generator types and controllers



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



KOE30U 48 | 55 HFN32X



Control Module
KMS-8140



kpph

kppd

Portable air conditioners

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Portable air conditioners are perfect for places where you need to relocate or where stationary air conditioning is not possible.

KPPH air conditioners with a cooling capacity of 2.6 kW have cooling, dehumidification and condensate evaporation functions. It is the perfect solution for rooms with low heat loads, 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.



KPPH-09HRG29

kpph

Portable air conditioners are ideal where relocation is needed or where stationary air conditioning is not an option.

The KPPH air conditioner has 3 basic operating modes: cooling, dehumidification and ventilation. The hot air is vented to the outside through a flexible ventilation duct.

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Technical specification

MODEL		KPPH-09HRG29	
Capacity	cooling	kW	2,6
	heating	kW	-
Energy class	cooling/heating		A
EER	average	W/W	2,6
COP			-
Power consumption	cooling	W	1000
	heating	W	-
Operating current	cooling	A	4,4
	heating	A	-
Air flow rate		m ³ /h	295/195
Operating temperature		°C	17÷35
Sound pressure level		dB(A)	52/47,5
Net dimensions w/h/d		mm	355/703/345
Transport dimensions w/h/d		mm	400/870/370
Net weight		kg	24,7
Transport weight		kg	27,3
Electric power supply		V/Hz/Ph	220÷240/50/1
Refrigerant			R290
The amount of refrigerant		kg	0,17
Moisture removal rate		l/h	2,3

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Controllers

WIRELESS
REMOTE CONTROL

RG51



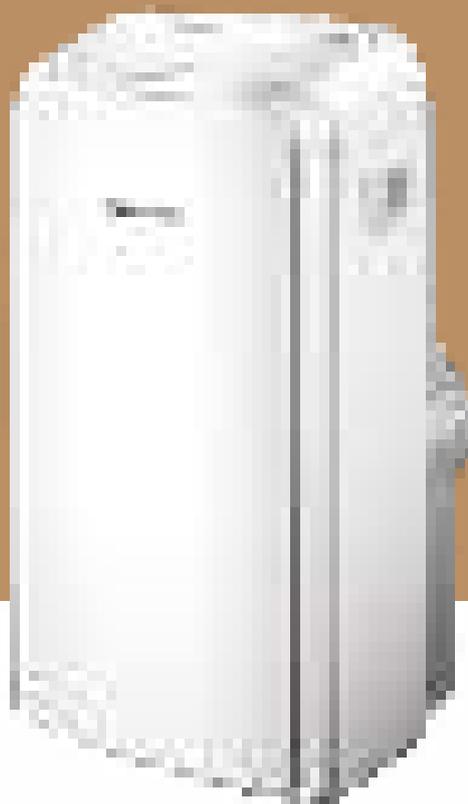


KPPD-12HRG29

kppd

Portable air conditioners are ideal where relocation is needed or where stationary air conditioning is not an option.

The KPPD air conditioner works in 4 basic operation modes: cooling, dehumidification, heating and ventilation. Control of the air conditioner is facilitated by the wireless remote control that comes as a standard.





Technical specification

MODEL		KPPD-12HRG29	
Capacity	cooling	kW	3,5
	heating	kW	2,9
Energy class	cooling/heating		A/A+
EER	average	W/W	2,6
COP			2,8
Power consumption	cooling	W	1350
	heating	W	1450
Operating current	cooling	A	5,9
	heating	A	5
Air flow rate		m ³ /h	420/370/355
Operating temperature		°C	17÷35/5÷30
Sound pressure level		dB(A)	52/51/50
Net dimensions w/h/d		mm	467/765/397
Transport dimensions w/h/d		mm	512/880/442
Net weight		kg	33,2
Transport weight		kg	37
Electric power supply		V/Hz/Ph	220÷240/50/1
Refrigerant			R290
The amount of refrigerant		kg	0,22
Moisture removal rate		l/h	3,4

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Controllers

WIRELESS
REMOTE CONTROL

RG51



Everything is always under control

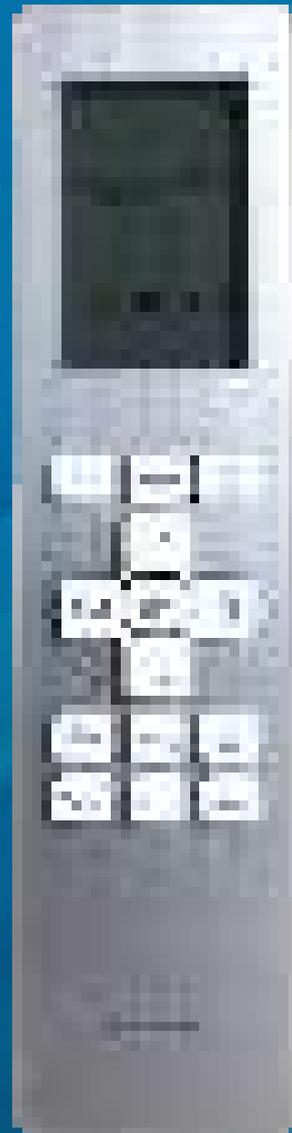
CONTROLLERS

WIRELESS
REMOTE CONTROL

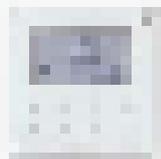
RG10B, RG10B1

Controller dedicated for wall and floor mounted air conditioners

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



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WIRED
CONTROLLER

KJR-120X2

Standard controller for duct air conditioners and optional controller for One + wall, cassette and floor/ceiling air conditioners.

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



WIRED
CONTROLLER

KJR12B

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

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



WIRELESS
REMOTE CONTROL

RG66A1, RG66A2

Controller dedicated for wall, cassette, floor and ceiling mounted air conditioners and optional for duct units.

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



WIRELESS
REMOTE CONTROL

RG10N2

Controller dedicated for super slim cassette air conditioners.

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



WIRELESS
REMOTE CONTROL

RG10A, RG10A1

Controller dedicated for compact cassette, floor/ceiling and wall-mounted air conditioners from CARE and HOT series.

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



WIRELESS
REMOTE CONTROL

RG51

Controller dedicated for KPPD and KPPH portable air conditioners and optional for wall, cassette and floor/ceiling units.

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Air direction | Auto blinds | Turbo

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WIRED
CONTROLLER

KJR90A

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

Basic functions: On/off | Operating mode | Air temperature | Fan speed | Timer | Auto blinds | Clock

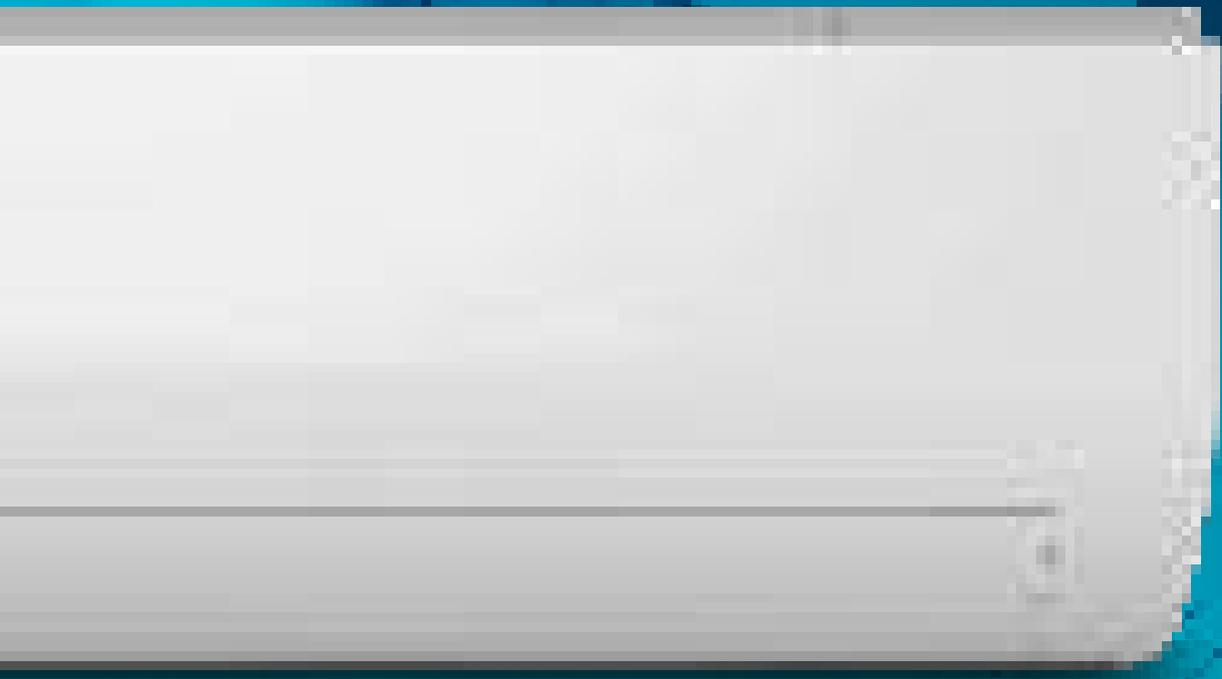


WIRED
CONTROLLER

CCM

Optional controller for cassette, floor/ceiling, wall-mounted One+ and duct air conditioners.

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



wall

floor and ceiling

floor

cassette

duct

multi

portable

Dimensions of the units

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

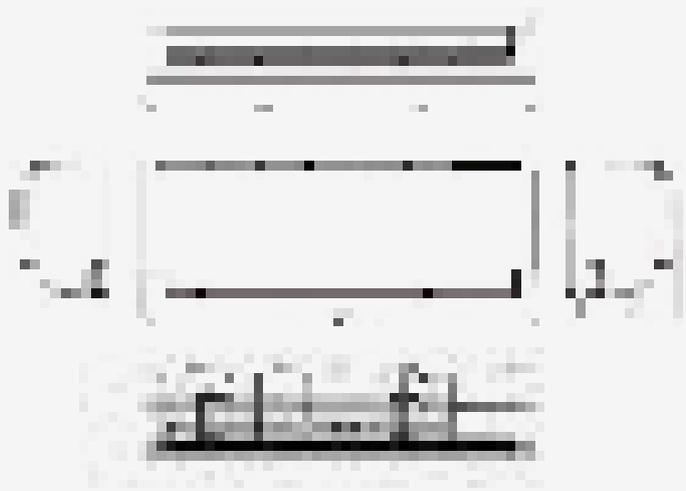
Kaisai air conditioners are energy efficient and easy to use units that require little space and provide the ideal room temperature in a very short time. All Kaisai air conditioners use environmentally friendly refrigerant and standard equipment includes Wi-Fi functionality for control using mobile devices.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

Dimensions

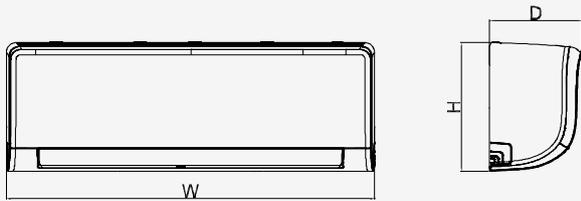
SPLIT UNITS

WALL FLY

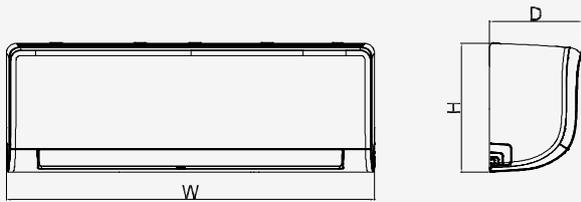
MODEL	DIMENSIONS [mm]		
	W	D	H
KWX-09HRGI	805	194	285
KWX-12HRGI	805	194	285
KWX-18HRGI	957	213	302
KWX-24HRGI	1040	220	327



WALL ONE +

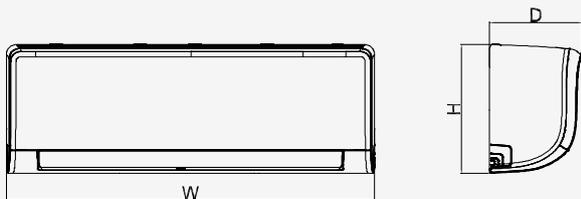


MODEL	DIMENSIONS [mm]		
	W	D	H
KRX-09PEGI	805	193	302
KRX-12PEGI	805	193	302
KRX-18PEGI	964	222	325
KRX-24PEGI	1106	232	342



WALL CARE

MODEL	DIMENSIONS [mm]		
	W	D	H
KWC-12CGI	835	208	295
KWC-18CGI	969	241	320



WALL #290

MODEL	DIMENSIONS [mm]		
	W	D	H
KBA-12H29RI	805	193	302

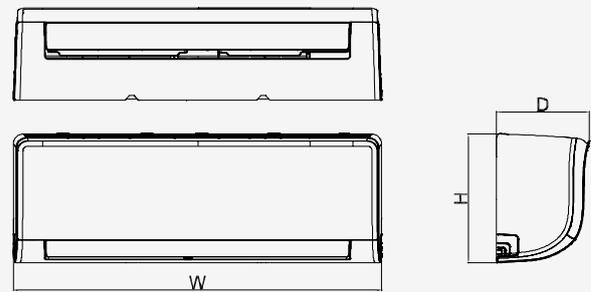


WALL GEO

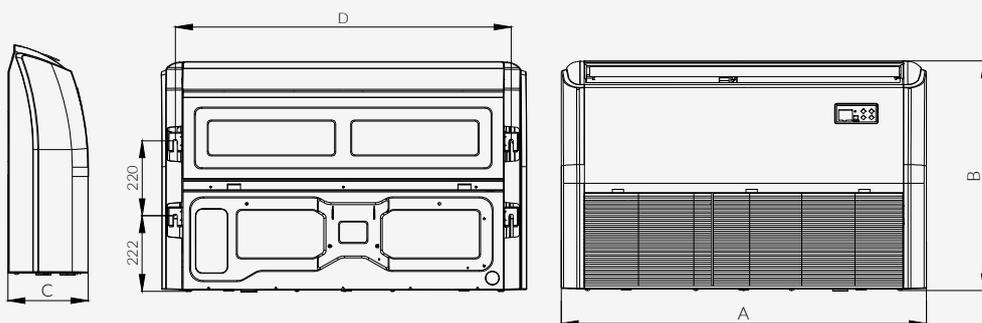
MODEL	DIMENSIONS [mm]		
	W	D	H
KGE-12GRGI	802	189	297
KGE-18GRGI	965	215	319

WALL HOT

MODEL	DIMENSIONS [mm]		
	W	D	H
KSH-12HRHI	835	208	295

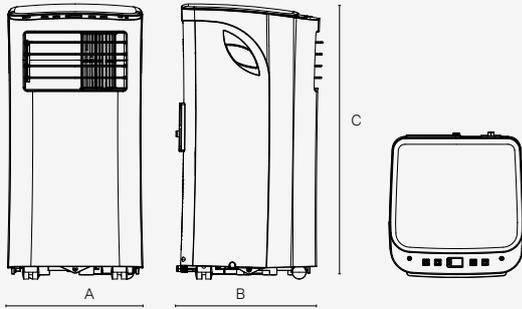


FLOOR AND CEILING



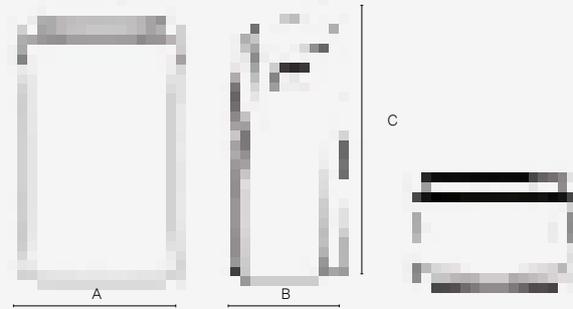
MODEL	DIMENSIONS [mm]			
	A	B	C	D
KUE-18HRG32X	1068	675	235	983
KUE-24HRG32X	1068	675	235	983
KUE-36HRG32X	1650	675	235	1565
KUE-48HRG32X	1650	675	235	1565
KUE-55HRG32X	1650	675	235	1565

PORTABLE KPPH



MODEL	DIMENSIONS [mm]		
	A	B	C
KPPH-09HRG29	355	345	703

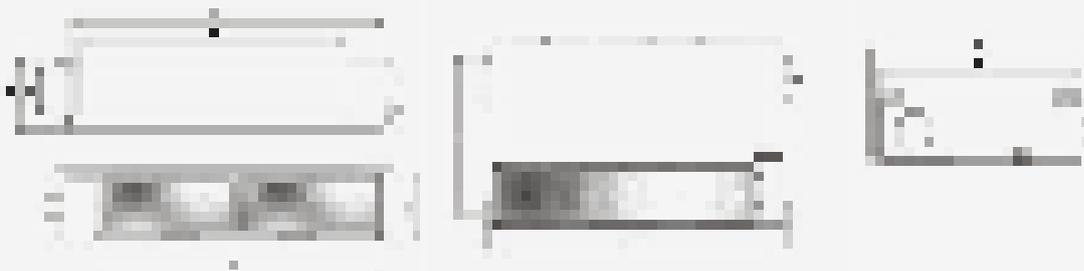
PORTABLE KPPD



MODEL	DIMENSIONS [mm]		
	A	B	C
KPPD-12HRG29	467	397	765

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DUCT SLIM



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

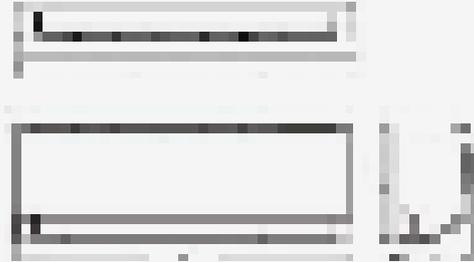
Dimensions

MULTI SPLIT APPLIANCES



WALL FLY

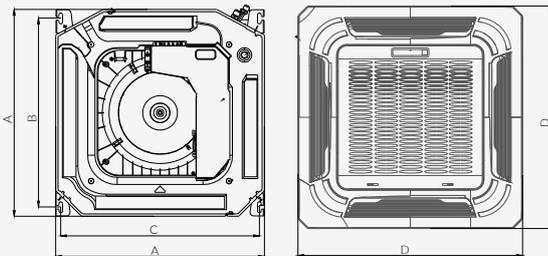
MODEL	DIMENSIONS [mm]		
	W	D	H
KWX-09HRGI	805	194	285
KWX-12HRGI	805	194	285
KWX-18HRGI	957	213	302
KWX-24HRGI	1040	220	327



WALL ONE+

MODEL	DIMENSIONS [mm]		
	W	D	H
KRX-09PEGI	805	193	302
KRX-12PEGI	805	193	302
KRX-18PEGI	964	222	325
KRX-24PEGI	1106	232	342

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CASSETTE

MODEL	DIMENSIONS [mm]					
	A	B	C	D	E	F
KCA3I-09HRG32X	570	523	545	647	50	260
KCA3U-12HRG32X	570	523	545	647	50	260
KCA3U-18HRG32X	570	523	545	647	50	260

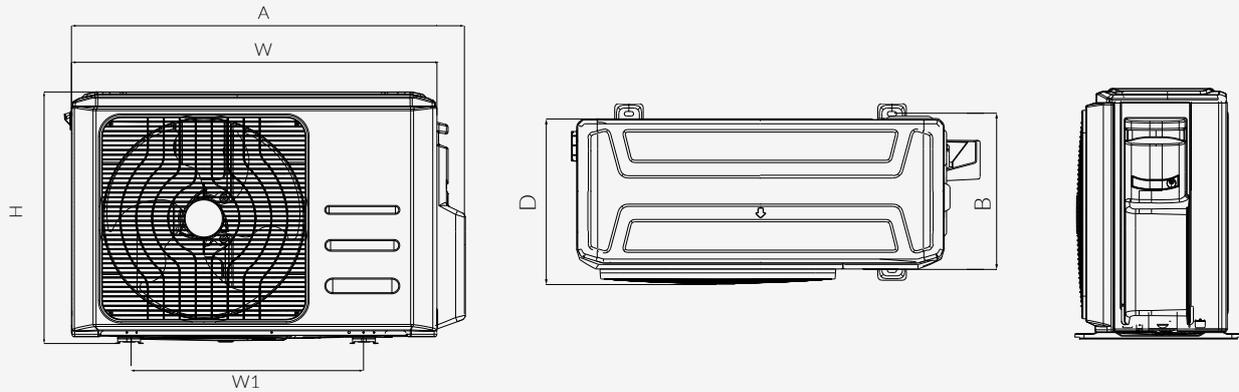


DUCT

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

Dimensions

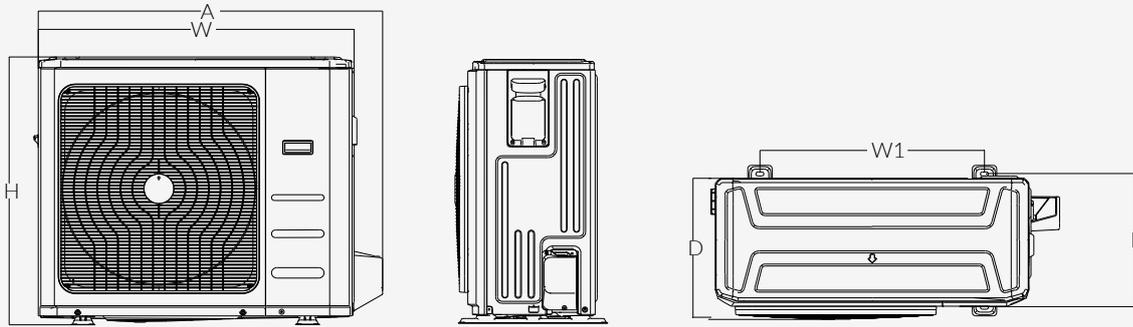
OUTDOOR UNITS



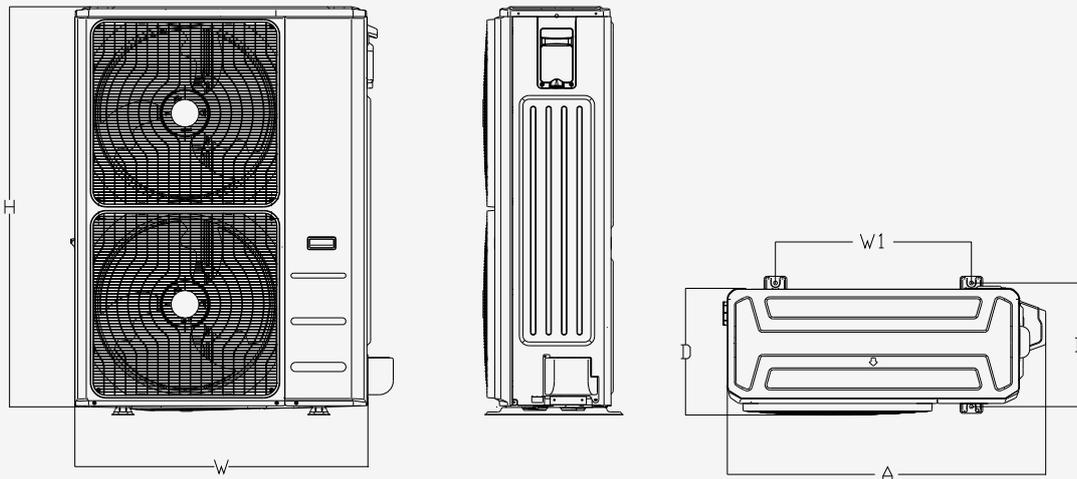
FOR WALL MODELS

MODEL	DIMENSIONS [mm]					
	W	D	H	W1	A	B
KWX-09HRGO	720	270	495	452	790	255
KWX-12HRGO	720	270	495	452	790	255
KWX-18HRGO	805	330	554	511	874	317
KWX-24HRGO	890	342	673	663	955	348
KRX-09PEGO	765	303	555	452	835	286
KRX-12PEGO	765	303	555	452	835	286
KRX-18PEGO	805	330	554	511	874	317
KRX-24PEGO	890	342	673	663	955	348
KGE-12GRGO	765	303	555	452	835	286
KGE-18GRGO	805	330	554	511	874	317
KWC-12CGO	720	270	495	452	790	255
KWC-18CGO	874	330	554	511	874	317
KSH-12HRGO	765	303	555	452	835	286
KBA-12H29RO	805	330	554	511	874	317

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



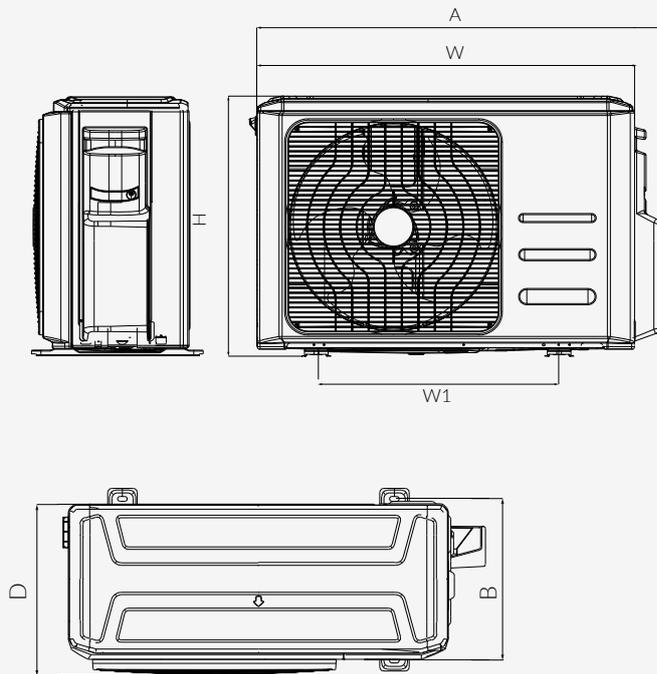
KOX230-12HFN32X, KOX330-18HFN32X, KOX430-24HFN32X, KOD30U-36HFJ32X, KOD30U-36HFN32X



KOE30U-48HFN32X, KOE30U-55HFN32X

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

FOR MULTI MODELS



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



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