

KAISAI



New Products 2021

COMMERCIAL AIR CONDITIONERS

KCA

KCD

KUE

KTI



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air conditioners

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Description
of functions

kca

Compact
cassette
air conditioners

A⁺

R32



kca

Perfect solution
for shops, offices
and service
premises



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

Compact cassette air conditioners are equipped with an indoor unit with a silent fan and 360° air supply system. They feature high efficiency and high comfort of use. They come with a fresh air supply function and the possibility to connect an additional supply air duct to the adjacent room.

DEVICE FUNCTIONS

☒ NEW

☐ Other functions


Gear mode



Eco mode



Compressor and condensate tray heaters



Smooth fan adjustment



Heating 8 °C



Silent operation



Self-cleaning evaporator



Lower settings memory



Refrigerant leakage indication



Automatic restart



Emergency use



Operation at low outdoor temperatures



Fresh air



On-off port



Alarm port



Temperature compensation



Turbo mode



Cold air supply control



Self-diagnosis



Twin combination



360° air supply



Built-in condensate pump



Temp sensor in remote control



Sleep function



Timer



Central controller



Wi-Fi control



Wired controller



NEW COMMUNICATION PROTOCOL

between indoor
and outdoor unit

ACCESSORIES AND CONTROLLERS



WIRELESS REMOTE
CONTROL
RG10A1



WIRED
CONTROLLER
KJR-120X2
(OPTION)



WIRED
CONTROLLER
KJR12B
(OPTION)



CENTRAL
CONTROLLER
CCM
(OPTION)

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	cool./heat		A++/A+	A++/A+
SEER	medium	W/W	6,6	6,3
SCOP	medium	W/W	4,1	4,0
Power input average (min÷max)	cooling	W	1010 (168÷1434)	1633 (720÷2088)
	heating	W	1019 (124÷1376)	1540 (700÷1930)
Operation current average (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	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 s/w/g	indoor	mm	570/260/570	570/260/570
	outdoor	mm	647/50/647	647/50/647
	panel	mm	765/555/303	805/554/330
Transport dimensions s/w/g	indoor	mm	662/317/662	662/317/662
	outdoor	mm	715/123/715	715/123/715
	panel	mm	887/610/337	915/615/370
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	6,35/12,7
Max. length of installation		m	25	30
Max. level difference		m	10	20
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	16	16
Power supply lines	indoor	# of wires x mm²	-	-
	outdoor	# of wires x mm²	3x2,5	3x2,5
Control wires	indoor - outdoor	# of wires x mm²	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 LM	kg	0,72	1,15
Additional amount of refrigerant	over 5 LM	g/m	12	12
Ext. diameter of the condensate drain		mm	25	25

A modern office interior with large glass walls and wooden accents. The space is bright and airy, with a long wooden table and several chairs visible through the glass. The ceiling features a series of long, horizontal wooden beams. The overall aesthetic is clean and professional.

kcd

Super Slim
cassette
air conditioners

A⁺

R32



kcd

new design
of the panel with
360° air supply
system



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

The surface of supply air gaps has been increased by 23% to provide more quiet and efficient operation of the air conditioner. Compared to the previous model, the condensate pump lifting height has also been increased to 100 cm, and its location outside the unit makes maintenance or possible replacement much easier. Another new feature is the built-in Wi-Fi port, which allows the user to control the unit via an application on his phone or tablet.

DEVICE FUNCTIONS

☒ NEW

☐ Other functions


Gear mode



Eco mode



Compressor and condensate tray heaters



Smooth fan adjustment



Heating 8 °C



Silent operation



Self-cleaning evaporator



Lower settings memory



Refrigerant leakage indication



Automatic restart



Emergency use



Operation at low outdoor temperatures



Fresh air



On-off port



Alarm port



Temperature compensation



Turbo mode



Cold air supply control



Self-diagnosis



Twin combination



360° air supply



Built-in condensate pump



Temp sensor in remote control



Sleep function



Timer

OPTION



Central controller

OPTION



Wi-Fi control

OPTION



Wired controller



NEW COMMUNICATION PROTOCOL

between indoor
and outdoor unit

ACCESSORIES AND CONTROLLERS



WIRELESS REMOTE
CONTROL
RG10A1



WIRED
CONTROLLER
KJR-120X2
(OPTION)



CENTRAL
CONTROLLER
CCM
(OPTION)

MODEL	indoor unit		KCD-24HRG32X KOD430-24HF- N32X	KCD-36HRG32X KOD30U- 36HFJ32X	KCD-36HRG32X KOD30U-36HF- N32X	KCD-48HRG32X KOE30U-48HF- N32X	KCD-55HRG32X 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	cool./heat		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	medium	W/W	6,2	6,7	6,4	6,1	6,3
SCOP	medium	W/W	4,0	4,0	4,0	4,0	4,0
Power input average (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)
Operation current average (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	indoor	m³/h	1300/1140/1000	1700/1550/1380	1800/1600/1400	1970/1780/1580	2000/1850/1650
	outdoor	m³/h	3500	4000	4000	7500	7500
Operating temperature 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 s/w/g	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 s/w/g	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	27,2/ 6	27,2/ 6	29,3/6	29,3 /6
	outdoor	kg	43,9	66,9	80,5	103,7	107,0
Transport weight	indoor	kg	25,4/9	31,2/9	31,2/9	33,5 /9	33,5 / 9
	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
Max. length of installation		m	50	75	75	75	75
Max. level difference		m	25	30	30	30	30
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	380÷420/50/3	380÷420/50/3	380÷420/50/3
Circuit breaker/fuse	outdoor	A	20	25	16	16	16
Power supply lines	indoor		3x1,5	3x1,5	3x1,5	3x1,5	3x1,5
	outdoor		3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control wires	indoor - outdoor	# of wires x mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 LM	kg	1,5	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 LM	g/m	24	24	24	24	24
Ext. diameter of the condensate drain		mm	25	25	25	25	25

A modern office interior featuring glass walls and wood paneling. The scene shows a conference room with a table and chairs, viewed through a glass partition. The wood paneling is a light, natural color, and the glass is clear. The lighting is warm and ambient.

kue

Floor/ceiling
air conditioners

A⁺

R32



kue

works effectively
in office, as well
as in house



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

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

DEVICE FUNCTIONS

☒ NEW

☐ Other functions



Gear mode



Eco mode



Compressor and condensate tray heaters



Smooth fan adjustment



Heating 8°C



Silent operation



Self-cleaning evaporator



Louver settings memory



Refrigerant leakage indication



Automatic restart



Operation at low outdoor temperatures



Timer



Fresh air



On-Off port



3D air flow



Emergency use



Turbo mode



Sleep function



Alarm port



Twin combination



Two-sided installation



Temp. sensor in remote control



Cold air supply control



Central controller



Wi-Fi control



Wired controller



Filter with vitamin C



3M filter



Filter with silver ions

OPTION

OPTION

OPTION

OPTION

OPTION

OPTION



NEW COMMUNICATION PROTOCOL

between indoor
and outdoor unit

ACCESSORIES AND CONTROLLERS



WIRELESS REMOTE
CONTROL
RG10A1

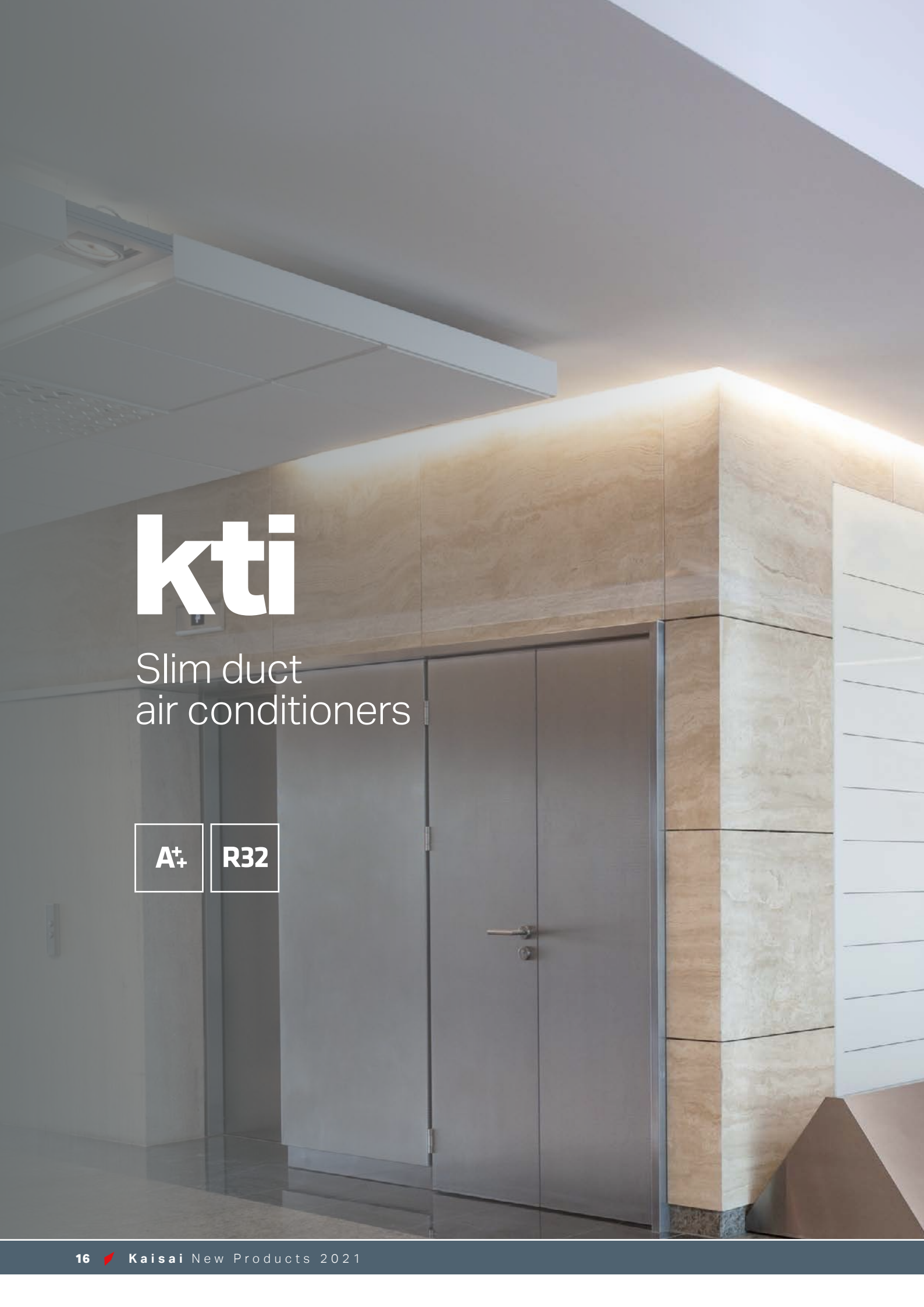


WIRED
CONTROLLER
KJR-120X2
(OPTION)



CENTRAL
CONTROLLER
CCM
(OPTION)

MODEL	indoor unit		KUE-18HRG32X	KUE-24HRG32X	KUE-36HRG32X	KUE-36HRG32X	KUE-48HRG32X	KUE-55HRG32X
	outdoor unit		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HF-N32X	KOE30U-48HF-N32X	KOE30U-55HF-N32X
Capacity average (min÷max)	cooling	kW	5,3 (2,7÷5,9)	7,0 (3,2÷7,8)	10,6 (2,7÷11,4)	10,6 (2,7÷11,8)	14,1 (3,5÷15,2)	15,8 (4,1÷16,7)
	heating	kW	5,6 (2,4÷6,3)	7,6 (2,7÷8,3)	11,7 (2,8÷12,8)	11,7 (2,8÷12,8)	16,1 (4,1÷17,0)	18,2 (4,4÷19,6)
Energy class	cool./heat		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	medium	W/W	6,2	6,1	6,2	6,4	6,1	6,1
SCOP	medium	W/W	4,0	4,0	4,0	4,1	4,0	4,0
Power input average (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)
Operation current average (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	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 temperature 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 s/w/g	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
Transport dimensions s/w/g	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
Max. length of installation		m	30	50	75	75	75	75
Max. level difference		m	20	25	30	30	30	30
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
	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	indoor		3x1,5	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5
	outdoor	# of wires	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control wires	indoor - outdoor	x mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 LM	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 LM	g/m	12	24	24	24	24	24
Ext. diameter of the condensate drain		mm	25	25	25	25	25	25



kti

Slim duct
air conditioners

A⁺

R32



kti

efficient
and discrete
unit for home
and office



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

The Slim series of duct air conditioners is characterized by a significant available static pressure – 160 Pa with low noise level. The unit has a lower height than a standard duct unit, so that it can be installed in a small space in the suspended ceiling. Thanks to the use of modern technology, the air conditioner automatically adjusts the static pressure and maintains a constant flow of air.

DEVICE FUNCTIONS

☒ NEW

☐ Other functions



Compressor
and condensate
tray heaters



Two-sided
installation



Refrigerant
leakage
indication



Automatic
restart



Emergency
use



Temperature
compensation



Fresh air



On-Off port



Alarm port



Operation
at low outdoor
temp.



Cold air flow
control



Auto-diagnosis



Twin
combination



Timer



Built-in
condensate
pump



Temp. sensor
in remote
control

OPTION



Central
controller

OPTION



Wi-Fi
control



NEW COMMUNICATION PROTOCOL

between indoor
and outdoor unit

ACCESSORIES AND CONTROLLERS



WIRED
CONTROLLER
KJR-120X2



CENTRAL
CONTROLLER
CCM
(OPTION)



WIRED
CONTROLLER
KJR12B
(OPTION)



WIRED
CONTROLLER
RG57
(OPTION)

MODEL	indoor unit		KT1-18HWG32X	KT1-24HWG32X	KT1-36HWG32X	KT1-36HWG32X	KT1-48HWG32X	KT1-55HWG32X
	outdoor unit		KOX330-18HF-N32X	KOX430-24HF-N32X	KOD30U-36HFJ32X	KOD30U-36HFN32X	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	cool./heat		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
SEER	medium	W/W	6,5	6,2	6,2	6,1	6,1	6,1
SCOP	medium	W/W	4,0	4,0	4,0	4,0	4,0	4,0
Power input average (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)
Operation current average (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	indoor	m³/h	911/706/515	1229/1035/825	2100/1800/1500	2100/1800/1500	2400/2040/1680	2600/2210/1820
	outdoor	m³/h	2200	3500	4000	4000	7500	7500
Available static pressure		Pa	25/100	25/160	37/160	37/160	50/160	50/160
Operating temperature 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
Transport 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
Max. length of installation		m	30	50	75	75	75	75
Max. level difference		m	20	25	30	30	30	30
Power supply	indoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
	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	indoor		3x1,5	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5
	outdoor	# of wires	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
Control wires	indoor - outdoor	x mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Factory amount of refrigerant	up to 5 LM	kg	1,15	1,5	2,4	2,4	2,9	3,0
Additional amount of refrigerant	over 5 LM	g/m	12	24	24	24	24	24
Ext. diameter of the condensate drain		mm	25	25	25	25	25	25

New units functions

Kaisai's portfolio includes RAC segment units (with wall-mounted air conditioners with WiFi function as standard) and CAC segment units (with multisplit, cassette, duct, floor/ceiling units), as well as portable air conditioners, heat pumps, air handling units and air curtains.

All KAISAI brand equipment meets the expectations in terms of ecology, safety, energy savings, silent operation, comfort and warranty. Commercial facilities such as offices, hotels and restaurants require equipment that provides a particularly efficient air conditioning system. Depending on space, intended use and installation possibilities of a given facility, the floor, floor/ceiling, cassette, duct air conditioners or condensation units are applied.



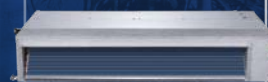
**COMPACT
CASSETTE**



**CASSETTE
SUPER SLIM**



FLOOR / CEILING



DUCT



NEW COMMUNICATION PROTOCOL

NEW

Communication protocol between indoor and outdoor units

For all types of commercial units throughout the entire range of performance, the communication protocol between the indoor and outdoor units has been unified. The communication line now consists of 4 wires: L, N, S and ground, which has a significant impact on facilitating the installation of air conditioners.

Economy



Eco

AC will run into a 8-hour saving mode which cuts 60% energy off against normal mode.



Gear

Thanks to the possibility of adjusting the temperature and air speed, you can control the power consumption by deciding on the maximum level of intensity of the device.



8°C continuous heating function

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

Comfort



Smooth fan adjustment

This function allows the indoor unit fan's efficiency level to be continuously adjusted within the 1-100% range.



Silent operation

A possibility to set a minimum sound level of the unit in the air-conditioned room.

Safety



Compressor and condensate tray heaters

The compressor crankcase heater prevents refrigerant absorption by the oil that may occur when the temperature drops. The drip tray heater supports the air conditioner's operation in the heating mode by preventing the drip tray from fouling, thus improving its efficiency and minimizing the risk of fan failure.



Self-cleaning

The I-Clean technology automatically covers the indoor heat exchanger with frost and then rapidly defrosts it to effectively remove dust, fungi and grease from the unit.

Other functions

Comfort

Turbo

Turbo mode

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

360°

360° air flow

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



3D air flow

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



Temperature compensation

The unit compensates for the difference between the reading of the temperature sensor on the indoor unit and the actual temperature on the room floor.



Automatic restart

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



Cold air supply control

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

Economy



Sleep function

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



Temperature sensor in the remote control

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

Health



Filter with C vitamin

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



Filter with silver ions

This filter is designed to eliminate bacteria and other harmful microorganisms through the use of active silver ions. It ensures a high standard of air hygiene.



3M filter

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



Fresh air

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

Convenience



Louver settings memory

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



Twin combination

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



On-Off port

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



Built-in condensate pump

Thanks to the integrated pump, condensate can be discharged up to a height of 100 mm.



Timer

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



Central controller

Possibility of connecting a central controller designed to control up to 64 indoor units.



Wi-Fi control

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



Wired controller

Wired controller mounted on the wall of the air-conditioned room provides the user with comfort.



Two-sided installation

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



Operation at low outdoor temperatures

The air conditioner operates even at outdoor temperatures as low as -15°C.

Safety



Emergency use

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



Self-diagnosis

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



Refrigerant leakage indication

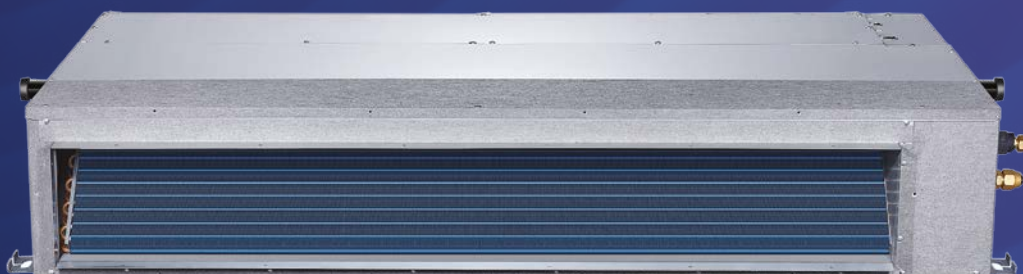
The error code will be displayed on the control panel of the indoor unit, when the outdoor unit detects the refrigerant leak.



Alarm port

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

**WE
CARE
ABOUT
AIR**



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