ECO FUNCTION

The ECO function automatically adjusts the air flow through the indoor unit and the temperature setting, in order to achieve maximum energy-efficient operation of the unit. Power consumption is significantly reduced, resulting in savings of more than 60% compared to standard air conditioner operation.

COLD CATALYST FILTER

Using specialized filtration, the air conditioner not only cools and heats, but also effectively purifies the air. The cold-CATALYST filter removes chemicals such as carbon monoxide, hydrogen sulfide, ammonia, benzene and formaldehyde.

SELF CLEAN

After operation, the air conditioner goes into cleaning mode and removes moisture accumulated in the indoor unit, which prevents the growth of microorganisms and fungi.

TECHNICAL SPECIFICATION - KAISAI ECO

MODEL	indoor unit		KEX-09KTH2I	KEX-12KTH2I	KEX-18KTH2I	KEX-24KTH2I
	outdoor unit		KEX-09KTH2O	KEX-12KTH2O	KEX-18KTH2O	KEX-24KTH2O
Capacity average (min÷max)	cooling	kW	2,6(0,9÷3,4)	3,5(1,1÷3,9)	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	cool./heat.		A++/A+	A++/A+	A++/A+	A++/A+
SEER	average	W/W	7,0	6,5	7,4	6,1
SCOP	average	W/W	4,1	4,1	4,0	4,0
Average power consumption (min÷max)	cooling	W	800(100÷1240)	1320(83÷1600)	1550(560÷2050)	2600(420÷3150)
	heating	W	930(120÷1200)	1190(167÷1400)	1570(780÷2000)	2400(300÷2750)
Average operating current (min÷max)	cooling	A	3,5(0.4÷5,4)	5,8(0,8÷7,3)	6,7(2,4÷8,9)	11,5(1,8÷13,8)
	heating	A	4,0(0,5÷5.5)	5,3(1,4÷6,4)	6,8(3,4÷8,7)	11,0(1,3÷12,2)
Air flow rate	indoor	m^3/h	435/333/259	530/430/310	840/680/540	980/817/662
	outdoor	m^3/h	1750	1750	2100	3500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30
	outdoor	°C	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30
Sound pressure level	indoor	dB(A)	37/32/25/21,5	39,5/35,5/25/21.5	42,5/36/26/20	45/40,5/36/30
	outdoor	dB(A)	55	55	56	59
Net dimensions w/h/d	indoor	mm	715/285/194	805/285/194	957/302/213	1040/327/220
	outdoor	mm	720/495/270	720/495/270	805/554/330	890/673/342
Transport dimensions w/h/d	indoor	mm	780/365/270	870/365/270	1035/385/295	1120/405/315
	outdoor	mm	835/540/300	835/540/300	915/615/370	995/740/398
Net weight	indoor	kg	6,7	7,3	10,0	12,3
	outdoor	kg	21	21	32,7	42,9
Transport weight	indoor	kg	8,8	9,5	13,0	15,8
	outdoor	kg	22,8	22,8	35,4	45,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/9,52	6,35/12,7	9,52/15,9
Maximum installation length		m	25	25	30	50
Maximum height difference		m	10	10	20	25
Power supply	outdoor	V/Hz/Ph	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Circuit breaker/fuse	outdoor	A	10	16	16	20
Power supply lines	outdoor	of wires x mm^2	3x1,5	3x1,5	3x2,5	3x2,5
Control lines	ind. - outd.		5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 mb	kg	0,47	0,52	1,08	1,42
Additional amount of refrigerant	over 5 mb	g/m	12	12	12	24

THE SET INCLUDES

Indoor unit
KEX

Outdoor unit
KEX

Wireless remote control
RG10A4

WIFI AS STANDARD

Thanks to the WiFi module, the air conditioner can be controlled by phone or tablet. It is possible to control the parameters of the device 24 hours a day from anywhere in the world

WIRED CONTROLLER (OPTION)

In addition to the standard wireless remote control, there is an option of connection via wired remote control.

MULTIFUNCTIONAL REMOTE CONTROL

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

WIDE TEMPERATURE RANGE

By using modern technology and the new refrigerant R32, the air conditioner can operate in a wide range of outdoor temperatures: from -15 to +50°C in cooling mode and from -15 to +30°C in heating mode.

COMPRESSOR AND CONDENSATE TRAY HEATERS (OPTION)

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.