

**KAISAI**eco



ENVIRONMENT-FRIENDLY  
KAISAI ECO AIR CONDITIONERS

**ECO** **NOMICAL**  
CHOICE

**A++**

ENERGY EFFICIENCY



WIFI READY

**R32**

ECOLOGICAL  
REFRIGERANT



WIDE RANGE OF OPERATING  
TEMPERATURES



MULTIFUNCTIONAL  
REMOTE CONTROLLER

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## TECHNICAL DATA

MODEL INDOOR	KEX-09KTBI	KEX-12KTCI	KEX-18KTBI	KEX-24KTBI
MODEL OUTDOOR	KEX-09KTBO	KEX-12KTCO	KEX-18KTBO	KEX-24KTBO
Cooling capacity (min-max) (kW)	2,6(0,9÷3,4)	3,5(1,1÷4,2)	5,3(1,8÷6,1)	7,0(2,1÷7,9)
Heating capacity (min-max) (kW)	2,9(0,8÷3,4)	3,8(1,1÷4,2)	5,6(1,4÷6,7)	7,3(1,6÷8,8)
Energy efficiency class cooling/heating	A++/A+	A++/A+	A++/A+	A++/A+
SEER (average)	6,3	6,1	7,1	6,1
SCOP (average)	4,0	4,0	4,0	4,0
Power consumption cooling (min-max) (W)	732(100÷1240)	1213(130÷1580)	1539(140÷2360)	2345(160÷2960)
Power consumption heating (min-max) (W)	733(120÷1200)	1088(100÷1680)	1480(200÷2410)	2035(260÷3140)
Operating current cooling (A)	3,2(0,4÷5,4)	5,3(0,5÷6,9)	6,9(0,6÷10,3)	10,2(0,7÷13,3)
Operating current heating (A)	3,2(0,5÷5,2)	4,7(0,4÷6,9)	6,4(0,9÷10,5)	10,2(1,1÷13,3)
Air flow of indoor unit (m³/h)	466/360/325	540/430/314	840/680/540	980/817/662
Air flow of outdoor unit (m³/h)	1750	1800	2500	3000
Operating temp. indoor cooling/heating (°C)	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30	17÷32/0÷30
Operating temp. outdoor cooling/heating (°C)	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30	-15÷50/-25÷30
Sound pressure of indoor unit dB(A)	38,5/32/25/21	40,5/34,5/25/22	44/37/30/25	44,5/42/34,5/28
Sound pressure of outdoor unit dB(A)	55,5	56	56	59,5
Dimensions of indoor unit w/h/d (mm)	805/285/194	805/285/194	957/302/213	1040/327/220
Dimensions of outdoor unit w/h/d (mm)	720/495/270	720/495/270	800/554/333	845/702/363
Packing of indoor unit w/h/d (mm)	870/365/270	870/365/270	1035/380/295	1120/310/405
Packing of outdoor unit w/h/d (mm)	835/540/300	835/540/300	920/615/390	965/765/395
Net weight of indoor unit (kg)	7,6	7,6	10,0	12,3
Net weight of outdoor unit (kg)	23,2	23,2	34,0	51,5
Gross weight of indoor unit (kg)	9,7	9,7	13,0	15,8
Gross weight of outdoor unit (kg)	25,0	25,0	36,7	54,5
Pipe diameters liquid/gas (mm)	6,35/9,52	6,35/9,52	6,35/12,7	9,52/15,9
Max. length of installation (m)	25	25	30	50
Max. difference in levels (m)	10	10	20	25
Power supply outdoor unit (V/Hz/Ph)	220÷240/50/1	220÷240/50/1	220÷240/50/1	220÷240/50/1
Protection outdoor unit (A)	10	16	16	20
Power supply wires outdoor unit	3x1,5	3x1,5	3x2,5	3x2,5
Control wires indoor - outdoor unit	5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant up to 5 m (kg)	0,55	0,55	1,0	1,6
Extra amount of refrigerant above 5 m (g/m)	12	12	12	24

## MOST IMPORTANT FUNCTIONS



### A<sup>++</sup> ENERGY EFFICIENCY

The energy saving technology allows to operate in eco mode, what brings up to 70% savings compared to conventional mode.

### WIFI READY

The air conditioner is adapted to install the WiFi module. All what you need is a smart kit to take full advantage of the controls using a tablet or smartphone.

### R32 ECOLOGICAL REFRIGERANT

R32 offers low GWP (Global Warming Potential) index, better cooling/heating capacity and volumetric efficiency. The thermal capacity of R32 is 20% higher than for R410A, which means much lower refrigerant volume charged to the system.

### WIDE RANGE OF OPERATING TEMPERATURES

Using the modern technologies and new refrigerant R32, the air conditioner has a wide range of outside operating temperatures: -15÷50°C in cooling mode and -25÷30°C in heating mode.

### MULTIFUNCTIONAL REMOTE CONTROLLER

You can easily set the appropriate air parameters in the room. The remote controller has useful functions like: evaporator self-cleaning (SELF CLEAN), constant heating 8°C (HEATING 8°C) and temperature sensor (FOLLOW ME).

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