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-09KTAI	KEX-12KTAI	KEX-18KTAI	KEX-24KTAI
MODEL OUTDOOR	KEX-09KTAO	KEX-12KTAO	KEX-18KTAO	KEX-24KTAO
Cooling capacity (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 (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	6.2	6.1	7.1	6.1
SCOP	4	4	4	4
Power consumption cooling (W)	710(100-1240)	1237 (130 -1580)	1539 (140 -2360)	2345 (160 -2960)
Power consumption heating (W)	739(120-1200)	964 (100 -1580)	1480 (200 -2410)	2035 (260 -3140)
Operating current cooling (A)	3.1(0.4-5.4)	5.4 (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)	4.2 (0.4 -6.9)	6.4 (0.9 -10.5)	10.2 (1.1 -13.3)
Air flow of indoor unit (m3/h)	520/460/360	600/500/360	840/680/540	980/817/662
Air flow of outdoor unit (m3/h)	1700	1700	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)	40/30/26/21	40/34/26/22	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 indoor unit w/h/d (mm)	700/550/275	700/550/275	800/554/333	845/702/363
Packing of indoor unit w/h/d (mm)	870/360/270	870/360/270	1035/380/295	1120/310/405
Packing of outdoor unit w/h/d (mm)	815/615/325	815/615/325	920/615/390	965/765/395
Net weight of indoor unit (kg)	7.5	7.5	10	12.3
Net weight of outdoor unit (kg)	22.7	22.7	34	51.5
Gross weight of indoor unit (kg)	9.7	9.7	13	15.8
Gross weight of outdoor unit (kg)	25.2	25.2	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.lenght 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)	0.5	0.5	1	1.6
Extra amount of refrigerant above 5 m (g/m)	12	12	12	24

MOST IMPORTANT FUNCTIONS

A++ 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 volumetric 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), temperature sensor (FOLLOW ME).

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