



AIR IONIZATION

The ions emitted by the air conditioner break down dust mite particles, mold, bacteria, and viruses, eliminating them from the environment. An additional effect of the air conditioner is moistening the air, which has a positive impact on the skin and gives a pleasant feeling of freshness in the air-conditioned room.



BIO HEPA FILTER

The air purification function is supported by a Bio HEPA filter that effectively traps 99% of dust particles, dust, and bacteria with a size of 0,3 µm and up to 95% of particles from 0,1 to 0,3 µm, including fungal cells and some viruses.



3D AIR FLOW

The automatically controlled horizontal and vertical louvers of the air conditioner ensure optimum air circulation and an even temperature distribution in the room.

TECHNICAL SPECIFICATION - KAISAI ICE

MODEL	indoor unit		KLW-09HRHI	KLW-12HRHI	KLB-12HRHI	KLW-18HRHI	KLB-18HRHI	KLW-24HRHI
	indoor unit		KLWB-09HRHO	KLWB-12HRHO	KLB-12HRHO	KLWB-18HRHI	KLWB-18HRHO	KLWB-24HRHO
Capacity average (min÷max)	cooling	kW	2,6 (1,0-3,2)	3,5 (1,4-4,3)	3,5 (1,4-4,3)	5,3 (1,9-6,2)	5,3 (1,9-6,2)	7,0 (3,0-8,7)
	heating	kW	2,9 (0,8-3,4)	3,8 (1,1-4,4)	3,8 (1,1-4,4)	5,6 (1,3-6,9)	5,6 (1,3-6,9)	7,3 (1,5-9,3)
Energy class	cool/heat.		A+++ / A++	A+++ / A++	A+++ / A++	A++ / A+	A++ / A+	A++ / A+
SEER	average	W/W	8,8	8,5	8,5	7,0	7,0	6,4
SCOP	average	W/W	4,6	4,6	4,6	4,0	4,0	4,0
Average power consumption (min÷max)	cooling	W	628 (80÷1100)	1005 (130÷1650)	1005 (130÷1650)	1550 (150÷2250)	1550 (150÷2250)	2420 (340÷3450)
	heating	W	651 (70÷990)	977 (160÷1560)	977 (160÷1560)	1630 (220÷2350)	1630 (220÷2350)	2130 (300÷3150)
Average operating current (min÷max)	cooling	A	2.7 (0.3÷4.8)	4.4 (0.6÷7.2)	4.4 (0.6÷7.2)	6.7 (0.7÷9.8)	6.7 (0.7÷9.8)	10.5 (1.4÷15)
	heating	A	2.8 (0.3÷4.3)	4.2 (0.7÷6.8)	4.2 (0.7÷6.8)	7.1 (0.9÷10.2)	7.1 (0.9÷10.2)	9.3 (1.3÷13.7)
Air flow rate	indoor	m³/h	510/360/300	520/370/310	520/370/310	800/600/500	800/600/500	1090/770/610
	outdoor	m³/h	2150	2200	2200	2100	2100	3500
Operating temperature cooling/heating	indoor	°C	17÷32/0÷30	17÷32/0÷30	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	-15+50/-25+30	-15+50/-25+30
Sound pressure level	indoor	dB(A)	37/31/22/19	39/33/22/21	39/33/22/21	41/37/31/20	41/37/31/20	46/37/34.5/21
	outdoor	dB(A)	54,0	54,5	54,5	57,0	57,0	60,0
Net dimensions w/h/d	indoor	mm	835x295x208	835x295x208	835x295x208	969x320x241	969x320x241	1083x336x244
	outdoor	mm	765x555x303	765x555x303	765x555x303	805x554x330	805x554x330	890x673x342
Transport dimensions w/h/d	indoor	mm	905x355x290	905x355x290	905x355x290	1045x405x315	1045x405x315	1155x415x315
	outdoor	mm	887x610x337	887x610x337	887x610x337	915x615x370	915x615x370	995x740x398
Net weight	indoor	kg	8,7	8,7	8,7	11,2	11,2	13,6
	outdoor	kg	26,4	26,4	26,4	33,5	33,5	43,9
Transport weight	indoor	kg	11,5	11,5	11,5	14,6	14,6	17,3
	outdoor	kg	28,8	28,8	28,8	36,1	36,1	46,9
Pipe diameter: liquid/gas		mm	6,35/9,52	6,35/9,52	6,35/9,52	6,35/12,7	6,35/12,7	9,52/15,9
Maximum installation length		m	25	25	25	30	30	50
Maximum height difference		m	10	10	10	20	20	25
Power supply	outdoor	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
Circuit breaker/fuse	outdoor	A	10	16	16	16	16	20
Power supply lines	outdoor	of wires x mm²	3x1,5	3x1,5	3x1,5	3x2,5	3x2,5	3x2,5
Control lines	ind. - outd.		5x1,5	5x1,5	5x1,5	5x1,5	5x1,5	5x1,5
Factory amount of refrigerant	up to 5 rm	kg	0,62	0,62	0,62	1,1	1,1	1,45
Additional amount of refrigerant	over 5 rm	g/m	12	12	12	12	12	24

THE SET INCLUDES



Indoor unit **KLW/KLB**



Outdoor unit **KLWB**



Wireless remote control **RG10A1**



GEAR MODE

Thanks to the possibility of adjusting the temperature and air speed in Gear mode you can control power consumption by setting the maximum level of intensity of the device.



ECO MODE

With enabled Eco function, the air conditioner automatically adjusts the temperature and fan speed to maximize energy efficiency. This reduces energy consumption, saving more than 60% compared to standard operation.



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.



WIRED CONTROLLER (OPTION)

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



CENTRAL CONTROLLER (OPTION)

The MFB board allows to connect an optional central controller and BMS gateway.