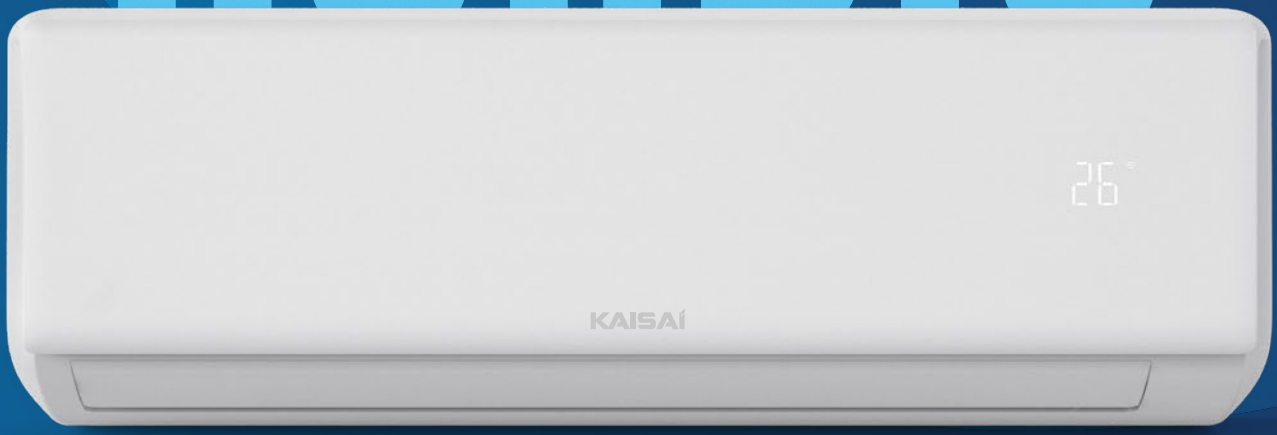
KAISAI

NORDIC



AIR IONIZATION

STERILIZATION 56°C

FIREPLACE FUNCTION

BREEZE AWAY MODE

Enjoy comfortably and ultimate heating experience

even at -35°C

WIFI MODULE AS STANDARD

R32

ECO-FRIENDLY REFRIGERANT R32

MULTIFUNCTIONAL REMOTE CONTROL

WIDE TEMPERATURE RANGE

Ultra low
Ambient Heating

With an **upgraded design** on Kaisai Nordic the outdoor unit now can operate **even in frigid temperature as low as -35 Celsius**.



CRANKCASE HEATING BELT AND COMPRESSOR HEATING BELT

Kaisai Nordic not only utilizes the high-efficiency with large displacement compressor, but also comes standard with Crankcase Heating Belt and Compressor Heating Belt, ensuring stable operation at -35°C low temperatures.



HIGH-EFFICIENCY HEAT EXCHANGER WITH HIGH DENSITY HYBRID TUBE DIAMETER

Φ7 and Φ5 mm hybrid pipe design heat exchanger offers better performance rate, -15 degrees low temperature heating output 100%, which is 10% more than the conventional heat exchanger.



HIGH MAGNETIC ENERGY DENSITY TECHNOLOGY

The compressor used in Kaisai Nordic adopts Magnetic Pole and Tooth High Energy Density Technology with balanced magneto-electric losses, resulting in a 27.5%* reduction in copper consumption, a 13.1% decrease in iron consumption, and a 1.4% improvement in motor efficiency.

*Compared to conventional magnetic design





HIDDEN MILLIMETER-WAVE RADAR

By using hidden and non-intrusive detection sensor Kaisai Nordic can automatically adjust the operation mode based on the detection of subtle human movements in the room.



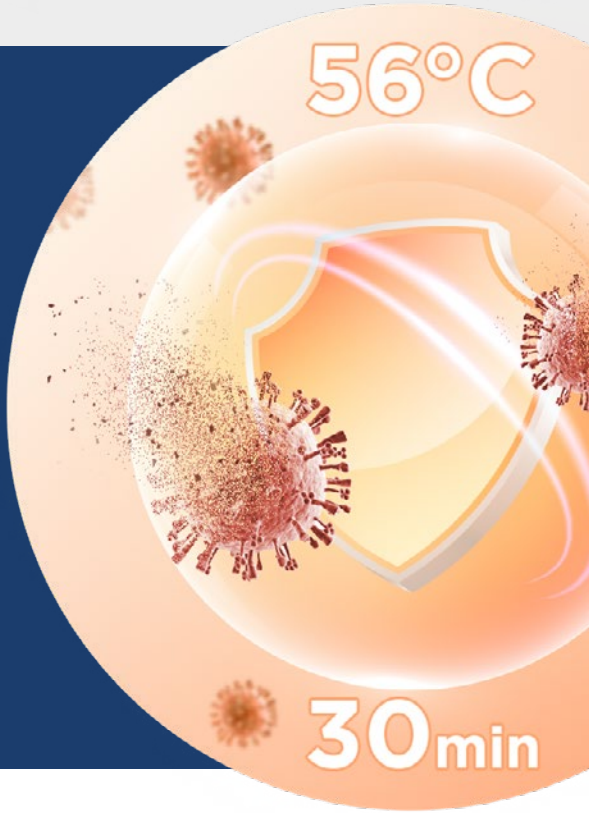
0.5-DEGREE PRECISE CONTROL

Accurate temperature control in increments as small as 0.5 C, you can always create your own comfort zone.

56 °C HIGH TEMPERATURE STERILIZATION

Effectively inactivate thermosensitive bacteria at 56°C for 30 minutes. The AC unit can spin the fan in reverse direction to remove condensed water for self-cleaning in Off mode, effectively preventing bacteria and mold from breeding.

99.9% sterilization



TECHNICAL SPECIFICATION - KAISAI NORDIC

MODEL	indoor unit		KNP-12NRHI
	outdoor unit		KNP-12NRHO
Capacity average (min÷max)	cooling	kW	3,5(1,0÷4,8)
	heating	kW	3,8(0,7÷7,2)
Energy class	cool./heat.		A+++/A+++
SEER	average	W/W	9,2
SCOP	average	W/W	5,1
Average power consumption (min÷max)	cooling	W	748(102÷1955)
	heating	W	772(104÷2625)
Average operating current (min÷max)	cooling	A	3,2(0,4÷8,5)
	heating	A	3,4(0,4÷11,4)
Air flow rate	indoor	m^3/h	548/370/310
	outdoor	m^3/h	2350
Operating temeprature cooling/heating	indoor	°C	16÷32 / 0÷30
	outdoor	°C	-15 +50 / -35+30
Sound pressure level	indoor	dB(A)	42,5 / 35 / 22 / 20
	outdoor	dB(A)	56,0
Net dimensions w/h/d	indoor	mm	895x298x248
	outdoor	mm	805x554x330
Transport dimensions w/h/d	indoor	mm	985x350x370
	outdoor	mm	915x615x370
Net weight	indoor	kg	12,6
	outdoor	kg	35,2
Transport weight	indoor	kg	17,3
	outdoor	kg	37,7
Pipe diameter liquid/gas		mm	6,35/9,52
Maximum installation lenght		m	25
Maximum height diffrence		m	10
Power supply	outdoor	V/Hz/Ph	220-240 / 50 / 1
Circuit breaker/fuse	outdoor	A	16
Power supply lines	outdoor	of wires x mm^2	3x1,5
Control lines	ind. - outd.	of wires x mm^2	5x1,5
Factory amount of refrigerant	up to 5 mb	kg	1,1
Additional amount of refrigerant	over 5 mb	g/m	12

THE SET INCLUDES



Indoor unit

KNP



Outdoor unit

KNP



Wireless remote control

RG10L5