

# Mokai

A hive of technology



## Ultra-compact

The most compact unit of the range, with an overall width of 78 cm. It will fit perfectly into any room and can easily be installed above a doorway. (Fig.3)

## 4-Way Swing

Because the blades move both vertically and horizontally, the air is distributed more uniformly, improving the level of comfort in the room. (Fig. 1)

## Motion sensor

Technology that saves you money – with a motion sensor to continuously analyze the presence of people in the room. If there is no detection after 20 min, the setpoint is shifted by one degree; after 40 min it shifts one degree again. (Fig. 2)

## Compatible with the Hi Kumo remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

## FrostWash technology

The Mokai is designed to offer you effective air purification throughout the year with its exclusive and innovative functionality: FrostWash. Automatically and regularly cleans the heat exchanger to emit pure, clean air.

## Silent operation

With a low noise level of just 20 dB(A)\*, you can enjoy a comfortable environment without noticing that the indoor unit is even running.

## Active Carbon filter

The Active Carbon filter with silver ions (known for their antibacterial properties) acts by adsorption. This retains certain gas molecules or suspended particles on the surface of the filter. The air that comes out of the filter is then free of odors and pollutants.

Fig. 1

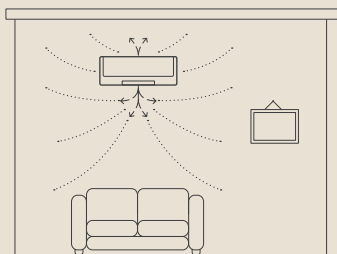


Fig. 2

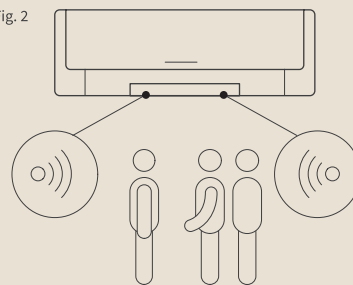
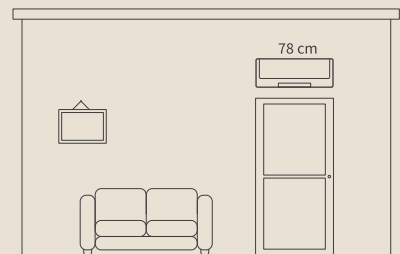
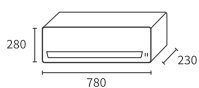


Fig. 3

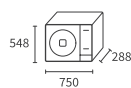


Indoor units

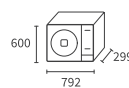


- RAK-18RPE
- RAK-25RPE
- RAK-35RPE
- RAK-42RPE
- RAK-50RPE

Outdoor units



- RAC-18WPE
- RAC-25WPE
- RAC-35WPE



- RAC-42WPE
- RAC-50WPE



Discover Mokai



\*20dB(A) acoustic pressure at low fan speeds.

Performance, cooling	Unit	1.8 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW
Rated power, cooling (min-max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	4.20 (1.70 - 5.00)	5.00 (1.90 - 5.20)
Rated power input Cooling (min-max)	kW	0.419 (0.25 - 1.01)	0.549 (0.25 - 1.29)	0.941 (0.25 - 1.46)	1.120 (0.30 - 1.70)	1.471 (0.30 - 2.10)
EER	-	4.77	4.55	3.72	3.75	3.40
Energy class Cooling	-	A+++		A++		
SEER (average climate)	-	8.50		7.80	7.50	7.35
Guaranteed performance in Cooling mode for outside Temp <sup>2</sup>	°C	-10°C / + 43°C				

Performance, heating	Unit	1.8 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW
Rated power, heating (min-max)	kW	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	5.40 (1.7 - 6.00)	6.00 (2.2 - 7.30)
Power at full charge at -7°C <sup>(1)</sup>	kW	2.30	3.00	3.40	3.80	4.10
Rated power input Heating (min-max)	kW	0.519 (0.25 - 0.97)	0.733 (0.25 - 1.50)	1.000 (0.25 - 1.70)	1.317 (0.50 - 2.10)	1.558 (0.50 - 2.75)
COP	-	4.82	4.64	4.20	4.10	3.85
Energy class Heating	-	A++				
SCOP (average climate)	-	4.90		4.60		
Guaranteed performance heating for outside Temp <sup>2</sup>	°C	-15°C / + 21°C				

Indoor units		RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE
Sound pressure in Cooling mode (spv / pv / mv / gv) <sup>(2)</sup>	dB(A)	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	25 / 28 / 39 / 46	25 / 28 / 39 / 46
Sound pressure in Heating mode (spv / pv / mv / gv) <sup>(2)</sup>	dB(A)	19 / 22 / 33 / 38	20 / 23 / 34 / 41	26 / 27 / 36 / 44	27 / 31 / 39 / 46	25 / 28 / 39 / 46
Sound pressure in Cooling mode	dB(A)	51	54	57	60	60
Airflow in Cooling mode (spv / pv / mv / gv)	m³/h	312 / 350 / 400 / 440	333 / 370 / 430 / 510	353 / 420 / 485 / 680	353 / 410 / 540 / 720	353 / 410 / 540 / 720
Dehumidification	l/h	1.2	1.4	1.6	1.8	2
Dimensions (H x L x D)	mm	280 x 780 x 230				
Net weight	kg	8.5				
Remote control	-	Weekly infrared (included)				

Outdoor units	Unit	RAC-18WPE	RAC-25WPE	RAC-35WPE	RAC-42WPE	RAC-50WPE
Sound pressure in Cooling mode <sup>(2)</sup>	dB(A)	44	46	48	49	49
Sound pressure in Cooling mode	dB(A)	58	60	61	63	63
Airflow (Cooling / Heating)	m³/h	1860 / 1620		1920 / 1620	2160 / 2160	
Dimensions (H x L x D)	mm	548 x 750 x 288			600 x 792 x 299	
Net weight	kg	32.5			39	
Compressor	-	Rotary				

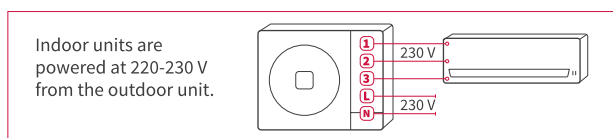
Cooling properties		1.8 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"	
Initial coolant fill	kg	0.870			1.050	
Prefilled for	m	20				
Min. length	m	3				
Max. length / Coolant refill	m/g/m	20 / -				
Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10				
Coolant	-	R32				

Electrical features		1.8 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				
Operating current (Cooling / Heating)	A	1.09 - 4.39 / 1.09 - 4.22	1.09 - 5.61 / 1.09 - 6.52	1.09 - 6.35 / 1.09 - 7.39	1.30 - 7.39 / 2.17 - 8.70	1.30 - 8.70 / 2.17 - 11.96
Cable width (EN 60 335-1)	mm²	1.50 x 2 + T			2.50 x 2 + T	
Indoor/outdoor connection (protected)	mm²	1.50 x 3 + T			2.50 x 3 + T	

<sup>(1)</sup> Data includes defrosting. To find out the data for your project, refer to our technical catalogs.  
<sup>(2)</sup> Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Retail price per unit excluding taxes (+eco part.)		RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE
Indoor unit (Infrared remote control included)	€+1.67	€493	€525	€599	€850	€986
External unit	€+6.67	€800	€930	€1,130	€1,380	€1,600
Price for whole set Indoor unit + outdoor unit	€+8.34	€1,293	€1,455	€1,729	€2,230	€2,586

Eco-participation is a net unit amount excluding taxes and is not discountable. It is added to the net price.



## Controls and compatible accessories (see page 197)

Infrared remote control  
 RAR-6NE1  
 Included

Wired standard remote control  
 SPX-RCDB1  
 Price plus taxes: €150

Wired programmable remote control  
 SPX-WKT4  
 Price plus taxes: €195

H-Link box  
 PSC-6RAD  
 Price plus taxes: €199

### Other (price excluding taxes):

- Control box for multi-indoor units SPX-DST1 (€63) + SPX-WDST8M (€70)
- interface airCloud Home SPX-WFG02 : €143
- Hi-Box AHP-SMB-01: €215
- Hi Kumo interface for Hi-Box SPX-TAG01 : €150
- Single dry contact kit SPX-WDC3: €26
- Single error report kit SPX-WDC7 (€26) + HA-S100TSA (€77)