

— wall unit Mono-split



Lorai air purifier



Takai



Mokai



Dodai 2



Wall units for small public buildings



Utopia Prime wall unit

NEW



Selection guide

Indoor units

		 R32 REFRIGERANT	 R410A REFRIGERANT			 HI-KUMO	 HI-KUMO PRO									
		Fluid		Performance		Compatible with Hi Kumo and Hi Kumo Pro		Ultra compact	Programing weekly	4-way Swing	Motion sensor	FrostWash	Up to -15°C	Self-cleaning filter robot	SCOP	SEER
Lorai Air Pur wall unit	 Mono (2.5 - 3.5 and 5.0 kW)	 R32 REFRIGERANT		++++		•		-	•	•	•	•	•	•	5.10	9.00
Takai wall unit	 Mono/Multi (2.5 - 3.5 and 5.0 kW)	 R32 REFRIGERANT		++++		•		-	•	•	•	•	•	-	5.20	8.70
Mokai wall unit	 Mono/Multi (2.5 - 3.5 - 4.2 and 5.0 kW)	 R32 REFRIGERANT		+++		•		•	•	•	•	•	-	-	4.90	8.50
Dodai 2 wall unit	 Mono/Multi (1.8 - 2.5 - 3.5 and 5.0 kW)	 R32 REFRIGERANT		++		•		•	Option	-	-	•	-	-	4.30	6.10
Wall units for small public buildings		 R32 REFRIGERANT		+++		•		-	•	•	•	-	-	-	4.60	7.30
NEW Utopia Prime wall unit		 R32 REFRIGERANT	 R410A REFRIGERANT	-		-		-	Option	-	-	-	-	-	-	-

Lorai air purifier

For better air quality throughout the year, combining several exclusive and innovative features



RAK-PSEW



RAK-PSES

FrostWash

Automatically and regularly cleans the heat exchanger to emit pure, clean air. (Fig.1)

Stainless Clean

The Lorai indoor unit is made of stainless steel, which reduces dust accumulation by 51% compared to plastic indoor units.

Auto filter Clean

Filters capture and dispose of ultrafine particles such as allergens and pollutants.

Fig. 1

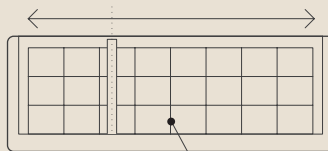
Frost mode 20 min



Filter

Frosting of the indoor unit exchanger.

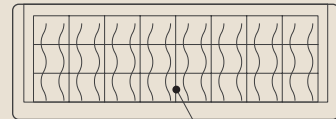
Defrosting and cleaning 1 min



Filter

Cleaning the exchanger by defrosting.

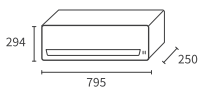
Drying mode up to 60 min



Filter

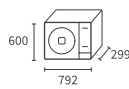
Drying the exchanger.

Indoor units

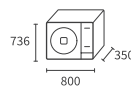


- RAK-25PSEW
- RAK-25PSES
- RAK-35PSEW
- RAK-35PSES
- RAK-50PSEW
- RAK-50PSES

Outdoor units



- RAC-25WSE
- RAC-35WSE



- RAC-50WSE

Lorai air purifier

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW
Rated power, cooling (min-max)	kW	2.50 (0.50 - 3.40)	3.50 (0.50 - 4.10)	5.00 (1.90 - 5.20)
Rated power input Cooling (min-max)	kW	0.490 (0.300 - 0.920)	0.778 (0.350 - 1.350)	1.389 (0.400 - 1.820)
EER	-	5.10	4.50	3.60
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	9.00		7.50
Guaranteed performance Cooling	°C	-10°C / +43°C		
Performance, heating				
Rated power, heating (min-max)	kW	3.20 (0.60 - 5.80)	4.00 (0.60 - 6.60)	6.00 (2.20 - 7.00)
Power at full charge at -7°C ⁽¹⁾	kW	3.20	3.90	5.40
Rated power input Heating (min-max)	kW	0.621 (0.440 - 1.500)	0.800 (0.500 - 2.000)	1.622 (0.600 - 2.650)
COP	-	5.15	5.00	3.70
Energy class Heating	-	A+++		A++
SCOP (average climate)	-	5.10		4.70
Guaranteed performance Heating	°C	-20°C / +24°C		
Indoor units	Unit	RAK-25PSE(W/S)	RAK-35PSE(W/S)	RAK-50PSE(W/S)
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	22 / 28 / 34 / 41	22 / 29 / 36 / 43	25 / 31 / 38 / 46
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	22 / 28 / 34 / 42	22 / 29 / 36 / 44	25 / 31 / 38 / 48
Sound pressure in Cooling mode	dB(A)	55	57	60
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	270 / 320 / 420 / 510	270 / 340 / 440 / 540	300 / 400 / 490 / 590
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (H x L x D)	mm	294 x 795 x 250	294 x 795 x 250	294 x 795 x 250
Net weight	kg	11		
Remote control	-	Weekly infrared (included)		
Outdoor units	Unit	RAC-25WSE	RAC-35WSE	RAC-50WSE
Sound pressure in Cooling mode ⁽²⁾	dB(A)	47	48	51
Sound pressure in Cooling mode	dB(A)	61	62	65
Airflow (Cooling / Heating)	m ³ /h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x L x D)	mm	600 x 792 x 299		736 x 800 x 350
Net weight	kg	37		
Compressor	-	Rotary		
				2-cylinder rotary
Cooling properties				
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"
Initial coolant fill	kg	0.98		1.3
Prefilled for	m	20		30
Min. length	m	3		
Max. length / Coolant refill	m/g/m	20 / -		30 / -
Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10		
Coolant	-	R32		
Electrical features				
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		
Operating current (Cooling / Heating)	A	2.26 / 2.85	3.56 / 3.65	6.33 / 7.38
Cable width (EN 60 335-1)	mm ²	1.50 x 2 + T		2.50 x 2 + T
Indoor/outdoor connection (protected)	mm ²	1.50 x 3 + T		2.50 x 3 + T

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

⁽²⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

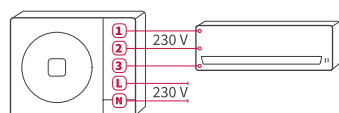
Retail price per unit excluding taxes

(+eco part.)

Indoor unit (Infrared remote control included)		RAK-25PSE(W/S)	RAK-35PSE(W/S)	RAK-50PSE(W/S)
	€+1.67	€708	€831	€1,125
External unit		RAC-25WSE	RAC-35WSE	RAC-50WSE
	€+6.67	€1,702	€1,998	€2,785
Price for whole set Indoor unit + outdoor unit		€2,410	€2,829	€3,910

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

Indoor units are powered at 220-230 V from the outdoor unit.



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 fault report kit SPX-WDC7 (€26) + HA-S100TSA (€77)

Takai

When power goes hand in hand with comfort



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. 1)

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. 2)

Low noise level

Our Takai indoor units were designed to work at low noise levels from 20dB(A), to keep them completely discreet.

Constant Power technology

The CONSTANT POWER solution has been specially developed by HITACHI. It improves the performance of your heat pump and maintains its heating power up to an outside temperature of -15°C and ensures heating up to -20°C . (Fig. 3)

Double fan blade

For a pleasant and improved air flow in the living room, the Takai unit is equipped with a double fan blade. This double blade discreetly ensures a comfortable flow of air, avoiding the unpleasantness of a 'swinging fan'.

FrostWash technology

The Takai 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.

Ultra performance filtration

STAINLESS prefilters and Active Carbon filters as standard. 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

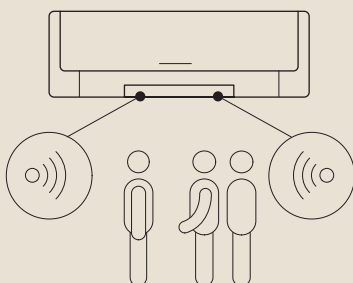


Fig. 2

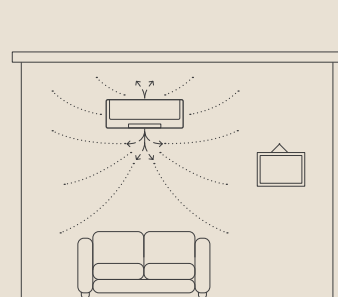
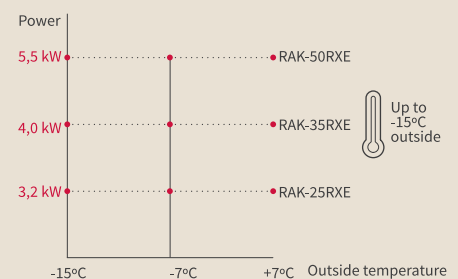
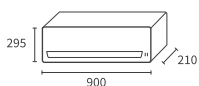


Fig. 3

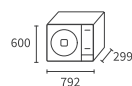


Indoor units

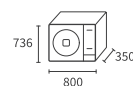


RAK-25RXE
RAK-35RXE
RAK-50RXE

Outdoor units



RAC-25WXE
RAC-35WXE



RAC-50WXE



Discover
Takai



Takai

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW
Rated power, cooling (min-max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Rated power input Cooling (min-max)	kW	0.481 (0.25 - 1.00)	0.814 (0.25 - 1.40)	1.397 (0.50 - 2.10)
EER	-	5.20	4.30	3.58
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	8.50	8.70	7.50
Guaranteed performance Cooling	°C	-10°C / + 43°C		

Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW
Rated power, heating (min-max)	kW	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.2 - 7.00)
Power at full charge at -7°C ⁽¹⁾	kW	3.20	4.00	5.50
Rated power input Heating (min-max)	kW	0.593 (0.25 - 1.20)	0.800 (0.25 - 1.60)	1.415 (0.50 - 2.70)
COP	-	5.40	5.00	4.10
Energy class Heating	-	A+++		A++
SCOP (average climate)	-	5.20		4.70
Guaranteed performance Heating	°C	-20°C / + 21°C		

Indoor units	Unit	RAK-25RXE	RAK-35RXE	RAK-50RXE
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	20 / 27 / 35 / 43	22 / 29 / 37 / 45	25 / 31 / 39 / 47
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	20 / 28 / 36 / 43	22 / 30 / 37 / 45	25 / 31 / 39 / 48
Sound pressure in Cooling mode	dB(A)	58	60	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	300 / 330 / 510 / 600	320 / 340 / 520 / 660	350 / 400 / 580 / 720
Dehumidification	l/h	1.4	1.6	2
Dimensions (H x L x D)	mm	295 x 900 x 210		
Net weight	kg	11		
Remote control	-	Weekly infrared (included)		

Outdoor units	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Sound pressure in Cooling mode ⁽²⁾	dB(A)	47	48	51
Sound pressure in Cooling mode	dB(A)	61	62	65
Airflow (Cooling / Heating)	m ³ /h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x L x D)	mm	600 x 792 x 299		736 x 800 x 350
Net weight	kg	37.5		51
Compressor	-	Rotary		2-cylinder rotary

Cooling properties	Unit	2.5 kW	3.5 kW	5.0 kW
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"
Initial coolant fill	kg	0.98		1.3
Prefilled for	m	20		30
Min. length	m	3		
Max. length / Coolant refill	m/g/m	20 / -		30 / -
Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10		
Coolant	-	R32		

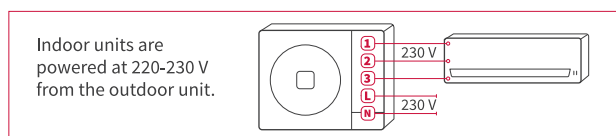
Electrical features	Unit	2.5 kW	3.5 kW	5.0 kW
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		
Operating current (Cooling / Heating)	A	1.09 - 4.35 / 1.09 - 5.22	1.09 - 6.09 / 1.09 - 6.96	2.17 - 9.13 / 2.17 - 11.74
Cable width (EN 60 335-1)	mm ²	1.50 x 2 + T		2.50 x 2 + T
Indoor/outdoor connection (protected)	mm ²	1.50 x 3 + T		2.50 x 3 + T

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

⁽²⁾ 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-25RXE	RAK-35RXE	RAK-50RXE
Indoor unit (Infrared remote control included)	€+1.67	€739	€842	€1,253
External unit	€+6.67	€1,177	€1,370	€2,055
Price for whole set Indoor unit + outdoor unit	€+8.34	€1,916	€2,212	€3,308

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
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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)

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

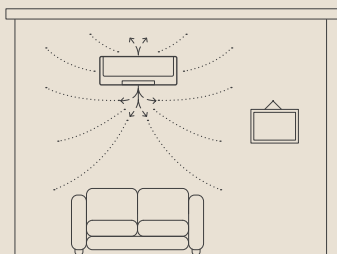


Fig. 2

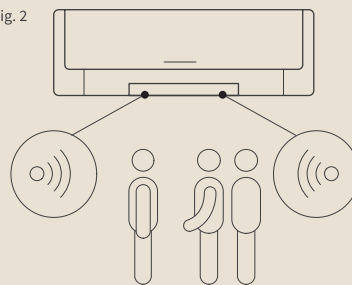
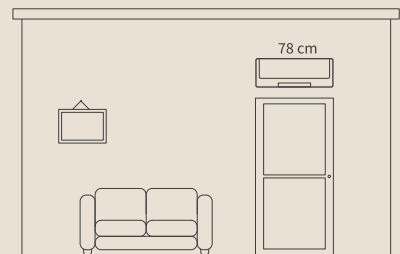
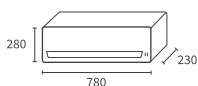


Fig. 3

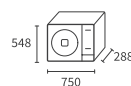


Indoor units

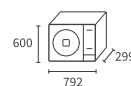


RAK-18RPE
RAK-25RPE
RAK-35RPE
RAK-42RPE
RAK-50RPE

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 ²	°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 ⁽¹⁾	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 ²	°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) ⁽²⁾	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) ⁽²⁾	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 ⁽²⁾	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				

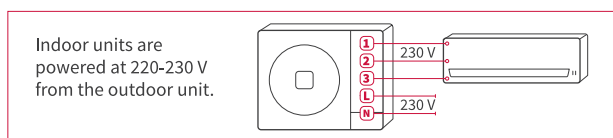
Cooling properties		1.8 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"	
Initial coolant fill	kg	0.870			1.050	
Prefilled for	m	20				
Min. length	m	3				
Max. length / Coolant refill	m/g/m	20 / -				
Max. level difference (outdoor unit above / outdoor unit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

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
⁽²⁾ 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

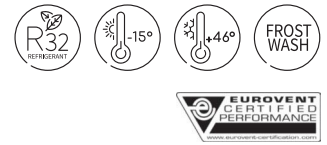
- Other (price excluding taxes):
- Control box for multi-indoor units SPX-DST1 (€63) + SPX-WDST8M (€70)
 - interface airCloud Home SPX-WFG02 : €143
 - Hi-Box AHP-SMB-01: €215
 - Hi Kumo interface for Hi-Box SPX-TAG01 : €150
 - Single dry contact kit SPX-WDC3: €26
 - Single error report kit SPX-WDC7 (€26)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

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

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

Dodai 2

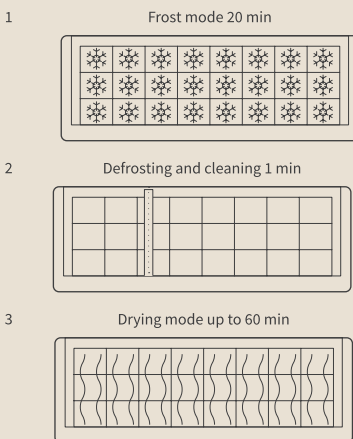
Simple yet effective



Exclusive and innovative solution, FrostWash*

to distribute clean air.

*FrostWash stages



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.

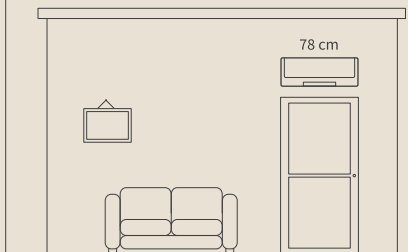
Maximum use of space

Thanks to its small size, you can install it discreetly. With a width of 780 mm, it will fit anywhere, including above a doorway. (Fig. 1)

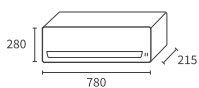
Silent operation

With a low noise level of just 19dB*, you can enjoy a comfortable environment without noticing that the indoor unit is even running.

Fig. 1

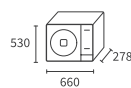


Indoor units

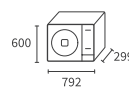


- RAK-18REF
- RAK-25REF
- RAK-35REF
- RAK-50REF

Outdoor units



- RAC-18WEF
- RAC-25WEF
- RAC-35WEF



- RAC-50WEF



Discover
Dodai 2



* Refer to your model.

Dodai 2

Performance, cooling	Unit	1.8 kW	2.5 kW	3.5 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)	5.00 (1.90 - 5.20)
Rated power input Cooling (min-max)	kW	0.58 (0.25 - 1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)
EER	-	3.45	3.57	3.21	
Energy class Cooling	-			A++	
SEER (average climate)	-			6.10	
Guaranteed performance Cooling for outside Temp ¹	°C			-10°C / + 46°C	

Performance, heating	Unit	1.8 kW	2.5 kW	3.5 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)	6.00 (2.2 - 7.30)
Power at full charge at -7°C ¹⁾	kW	2.00	2.50	3.00	4.00
Rated power input Heating (min-max)	kW	0.62 (0.25 - 0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66 (0.50 - 2.75)
COP	-	4.03	3.86	3.82	3.61
Energy class Heating	-			A+	
SCOP (average climate)	-		4.20		4.30
Guaranteed performance heating for outside Temp ²	°C			-15°C / + 21°C	

Indoor units	Unit	RAK-18REF	RAK-25REF	RAK-35REF	RAK-50REF
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	28 / 30 / 40 / 46
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	19 / 22 / 33 / 38	20 / 23 / 34 / 41	26 / 27 / 36 / 44	25 / 30 / 39 / 47
Sound pressure in Cooling mode	dB(A)	52	54	57	60
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	312 / 350 / 400 / 440	333 / 370 / 430 / 510	333 / 400 / 485 / 600	333 / 450 / 600 / 700
Dehumidification	l/h	1.2	1.4	1.6	2
Dimensions (H x L x D)	mm	280 x 780 x 215			
Net weight	kg	7.7			8.2
Remote control	-	Infrared (included)			

Outdoor units	Unit	RAC-18WEF	RAC-25WEF	RAC-35WEF	RAC-50WEF
Sound pressure in Cooling mode ⁽²⁾	dB(A)	45	47	48	50
Sound pressure in Cooling mode	dB(A)	59	61	62	64
Airflow (Cooling / Heating)	m ³ /h	1860 / 1620		2160 / 2160	
Dimensions (H x L x D)	mm	530 x 660 x 278			600 x 792 x 299
Net weight	kg	23.7		25.0	39.5
Compressor	-	Rotary			Double twin rotary

Cooling properties	Unit	1.8 kW	2.5 kW	3.5 kW	5.0 kW
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"
Initial coolant fill	kg	0.53		0.70	0.93
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			

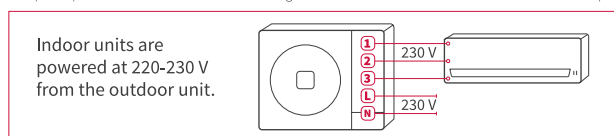
Electrical features	Unit	1.8 kW	2.5 kW	3.5 kW	5.0 kW
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			
Operating current (Cooling / Heating)	A	1.09 - 4.39 / 1.09 - 4.22	1.09 - 5.61 / 1.09 - 5.43	1.09 - 6.35 / 1.09 - 7.39	2.17 - 9.13 / 2.17 - 11.96
Cable width (EN 60 335-1)	mm ²	1.50 x 2 + T			2.50 x 2 + T
Indoor/outdoor connection (protected)	mm ²	1.50 x 3 + T			2.50 x 3 + T

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

⁽²⁾ 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-18REF	RAK-25REF	RAK-35REF	RAK-50REF
Indoor unit (Infrared remote control included)	€+1.67	€380	€415	€500	€650
External unit	€+6.67	€700	€839	€930	€1,403
Price for whole set	€+8.34	€1,080	€1,254	€1,430	€2,053
Indoor unit + outdoor unit					

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-7PE1
Included



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



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



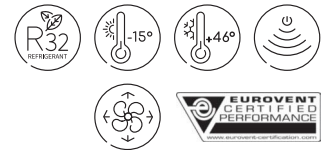
H-Link box
PSC-GRAD
Price plus taxes: €199

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)

Wall unit for small public buildings

Multiple features to fit any setup



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)

Improved comfort

With the SPX-WKT4 remote control, you can choose where to measure the setting temperature (at the remote control or the return or using the average of both readings). This feature improves the level of comfort in the room.

Flexible installation

With a 30-m long cooling pipe between the indoor unit and the outdoor unit, this indoor unit can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m.

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.

A compact indoor unit

This indoor unit measures only 900 mm wide, so it can be installed anywhere without interfering with other elements in the room.

Fig. 1

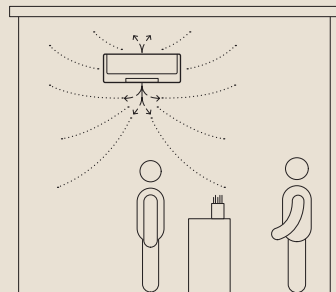
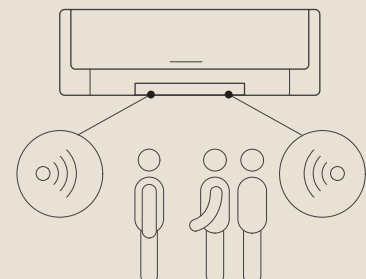
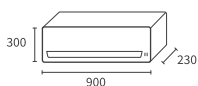


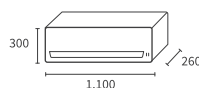
Fig. 2



Indoor units

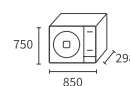


RAK-50RPE1
RAK-60RPE

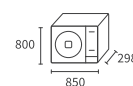


RAK-70PPD

Outdoor units



RAC-50NPE
RAC-60NPE



RAC-70NPD

Wall units for small public buildings

Performance, cooling	Unit	5.0 kW	6.0 kW	7.0 kW
Rated power, cooling (min-max)	kW	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)	7.00 (1.50 - 8.00)
Rated power input Cooling (min-max)	kW	1.42 (0.30 - 2.500)	1.71 (0.30 - 2.65)	2.00 (0.50 - 2.70)
EER	-	3.52	3.51	3.50
Energy class Cooling	-		A++	
SEER (average climate)	-	7.30	6.50	7.00
Guaranteed performance Cooling for outside Temp*	°C		-15°C / +46°C	

Performance, heating	Unit	5.0 kW	6.0 kW	7.0 kW
Rated power, heating (min-max)	kW	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)	8.00 (1.50 - 8.50)
Power at full charge at -7°C ⁽¹⁾	kW	4.20	4.80	5.80
Rated power input Heating (min-max)	kW	1.50 (0.30 - 2.650)	1.84 (0.30 - 2.65)	2.10 (0.50 - 2.80)
COP	-	4.00	3.80	3.81
Energy class Heating	-	A++	A+	A++
SCOP (average climate)	-	4.60	4.20	4.60
Guaranteed performance heating for outside Temp*	°C		-15°C / +24°C	

Indoor units	Unit	RAK-50RPE1	RAK-60RPE	RAK-70PPD
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	26 / 33 / 39 / 47	30 / 33 / 42 / 48	30 / 35 / 42 / 47
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	26 / 33 / 39 / 47	33 / 34 / 42 / 49	30 / 36 / 42 / 47
Sound pressure in Cooling mode	dB(A)		60	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	310 / 410 / 570 / 720	480 / 540 / 690 / 930	510 / 630 / 870 / 1020
Dehumidification	l/h		2.8	4.8
Dimensions (H x L x D)	mm		300 x 900 x 230	300 x 1100 x 260
Net weight	kg		12.0	15.0
Remote control	-		Not included	

Outdoor units	Unit	RAC-50NPE	RAC-60NPE	RAC-70NPD
Sound pressure in Cooling mode ⁽²⁾	dB(A)		50	52
Sound pressure in Cooling mode	dB(A)		65	67
Airflow (Cooling / Heating)	m ³ /h		2160 / 2160	2700 / 2700
Dimensions (H x L x D)	mm		750 x 850 x 298	800 x 850 x 298
Net weight	kg		50	52
Compressor	-		Rotary	

Cooling properties	Unit	RAC-50NPE	RAC-60NPE	RAC-70NPD
Diameter of pipes (Liq / Gas)	inches		1/4" / 1/2"	1/4" / 5/8"
Initial coolant fill	kg		1.5	1.6
Prefilled for	m		30	
Min. length	m		3	
Max. length / Coolant refill	m/g/m		30 / -	
Max. level difference (outdoor unit above / outdoor unit below)	m		20 / 20	
Coolant	-		R32	

Electrical features	Unit	RAC-50NPE	RAC-60NPE	RAC-70NPD
Power supply	V/Ph/Hz		230V / 1Ph / 50Hz	
Operating current (Cooling / Heating)	A	5.98-6.52 / 6.31-6.89	7.20-7.85 / 7.74-8.45	8.42-9.18 / 8.84-9.64
Cable width (EN 60 335-1)	mm ²		2.50 x 2 + T	
Indoor/outdoor connection (protected)	mm ²		1.50 x 3 + T	

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

⁽²⁾ 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-50RPE1	RAK-60RPE	RAK-70PPD
Indoor unit (Remote control NOT included)	€+1.67	€1,000	€1,100	€1,790
External unit	€+6.67	€1,700	€1,970	€2,440
Infrared remote control SPX-RCKA2	€+0.12		€155	
Price for whole set Indoor unit + outdoor unit + infrared remote control SPX-RCKA2	€+8.46	€2,855	€3,225	€4,385

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

SPX-RCKA2

Price plus taxes: €155



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)
- airCloud Home SPX-WFG02 interface: €143
- Hi-Box AHP-SMB-01: €215
- Hi Kumo gateway for Hi-Box SPX-TAG01: €150
- Single dry contact kit SPX-WDC3: €26

Utopia Prime wall unit

A flexible R410A or R32 solution to meet the toughest technical restrictions



NEW

Ultimate air circulation

Use the 4 fan speeds to adapt the air flow for comfort in every room.

Easy and discreet integration

Our units are so compact and light that you can install them discreetly above a doorway.

Their new design improves access the filters and means the turbine can also be replaced without removing the exchanger.

Easier controls

Our wall units are compatible with all types of remote control and feature an infrared receiver as standard.

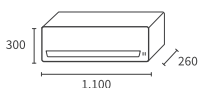
Large operating ranges

This equipment works up to -20°C in Heat mode and up to 46°C in Cooling mode. Heating-mode-only option is also available.

Compactness

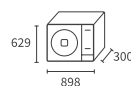
Outdoor units are exceptionally compact, with a footprint of 0.23 m³.

Indoor units

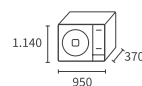


RPK-3.0 FSRM
RPK-4.0 FSRM

Outdoor units



RAS-3HVRC2



RAS-4H(V)RC2E
RAS-4H(V)NC2E

Utopia Prime wall unit

Provisional data

		Coolant R32		Coolant R410A
		7.1kW	10kW	10kW
		3Hp	4Hp	4Hp
Performance, cooling	Unit			
Rated power, cooling (min-max)	kW	7.1	10.00	10.00
Rated power input cooling	kW	2.64	4.65	4.65
EER	-	2.69	2.15	2.15
Seasonal energy class Cooling	-	A		A
SEER (average climate)	-	5.35	5.56	5.56
Guaranteed performance in Cooling mode for outside Temp*	°C	-15°C / +46°C (DB)		-15°C / +46°C (DB)
Performance, heating	Unit			
Rated power, heating (min-max)	kW	8	11.20	11.20
Power at -7°C*	kW	6.30	10.34	10.34
Rated power input heating	kW	2.73	3.56	3.56
COP	-	2.93	3.15	3.15
Seasonal energy class Heating	-	A		A
SCOP (average climate)	-	3.80	3.80	3.80
Guaranteed performance in Heating mode for outside Temp*	°C	-20°C / +18°C (WB)		-20°C / +18°C (WB)
Indoor wall units	Unit	RPK- 3.0FSRM	RPK- 4.0FSRM	RPK- 4.0FSRM
Noise level in Cooling mode (pressure) (tpv / pv / mv / gv) ⁽²⁾	dB(A)	35 / 40 / 44 / 47	39 / 44 / 48 / 51	39 / 44 / 48 / 51
Sound pressure	dB(A)	51 - 56 - 60 - 63	54 - 60 - 64 - 65	54 - 60 - 64 - 65
Airflow in Cooling mode (spv / pv / mv / gv) ⁽³⁾⁽⁴⁾	m ³ /h	750 / 930 / 1050 / 1200	870 / 1050 / 1200 / 1380	870 / 1050 / 1200 / 1380
Condensate pump included	-	No		No
Dimensions (H x L x D)	mm	300 x 1100 x 260		300 x 1100 x 260
Weight	kg	15		15
Cooling pipe diameter (Liq / Gas)	inches	3/8 / 5/8		3/8 / 5/8
Condensate outlet diameter (ext)	mm	20		20
Power supply	-	230V / 1Ph / 50Hz		230V / 1Ph / 50Hz
Cable width (EN 60 335-1) ⁽¹⁾	mm ²	3 x 0.75		3 x 0.75
Remote control	-	PC-AWR (Infrared)		PC-AWR (Infrared)
Outdoor units	Unit	RAS-3HVRC2	RAS-4H(V)RC2E	RAS-4H(V)NC2E
Sound pressure in Cooling mode (Night mode) ⁽²⁾	dB(A)	48 (46)	52 (50)	52 (50)
Sound pressure in Cooling mode	dB(A)	66	68	68
Airflow (cooling)	m ³ /h	2982	4800	4800
Dimensions (H x L x D)	mm	629 x 898 x 300	1140 x 950 x 370	1140 x 950 x 370
Net weight	kg	48	84	86 (84)
Compressor	-	Inverter DC rotary unit		Inverter DC rotary unit
Cooling properties	Unit			
Diameter of pipes (Liq / Gas)	inches	1/4 - 1/2*		
Initial coolant fill	kg	1.7	3.0	3.2
Prefilled for	m	20		20
Max. length / Coolant refill	m/g/m	50 / 45	75 / 45	75 / 60
Max. level difference (outdoor unit above / outdoor unit below)	m	30 / 20		30 / 20
Diameter of pipes (Liq / Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)		9.52 (3/8) - 15.88 (5/8)
Coolant	-	R32		R410A
Electrical features, outdoor unit	Unit			
Power supply	-	1~ 230V 50Hz	1 ~ 230V 50Hz or 3N~ 400V 50Hz	1 ~ 230V 50Hz or 3N~ 400V 50Hz
Max. current	A	15.8	22.5	22.5
Cable width (EN 60 335-1) ⁽¹⁾	mm ²	2 x 0.75	3 x 6.00 or 5 x 4.00	3 x 6.00 or 5 x 4.00
Indoor/outdoor connection (protected)	mm ²	2 x 0.75		2 x 0.75
Retail price per unit excluding taxes (+eco part.)				
Indoor unit	Unit	RPK- 3.0FSRM	RPK- 4.0FSRM	RPK- 4.0FSRM
	-	€2,040	€2,325	€2,325
External unit	Unit	RAS-3HVRC2	RAS-4HVRC2E	RAS-4HVC2E
Single-phase	€+6.67	€2,500	€3,750	€3,750
		-	€3,880	€3,880
Three-phase	-	-	€3,880	€3,880
Infrared remote control PC-AWR	€+0.12	-	€210	-
Price for whole set	Unit			
Indoor unit + outdoor unit + remote control IR PC-AWR	Single-phase	€+6.69	€4,750	€6,285
	Three-phase	-	€6,415	€6,415

⁽¹⁾ Data shown is for indication purposes only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.

⁽²⁾ Sound pressure is measured under the following conditions: 1 m under the unit, 1 m from the pulse air flap.

⁽³⁾ High-speed access is possible with remote controls PC-ARFP1E and PC-ARH1E.

⁽⁴⁾ Very low speed (tpv) is available for Thermo-off mode.

* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

(V) Single-phase version.

Eco-participation is a net unit amount excluding taxes and is not discountable. It is added to the net price. The bundle includes: wall unit, infrared receiver, infrared remote control PC-AWR, outdoor unit.

Controls and compatible accessories (see the tabs TWIN + VRF controls)



Simple wired controller

PC-ARH1E

Price plus taxes: €180



Infrared controller

Included

PC-AWR

Price plus taxes: €210



Intuitive multifunction cable control

PC-ARFP1E

Price plus taxes: €230



Remote sensor

THM-R2AE

Price plus taxes: €60



Adjustable input/output contact connections

PCC-1A

Price plus taxes: €65



Condensation drainage kit

DDB-26 (4Hp models)

DDB-12L (3Hp models)

Price plus taxes: €25