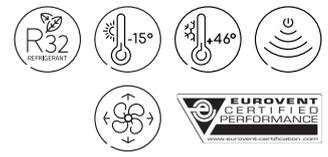


Wall unit for small public buildings

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

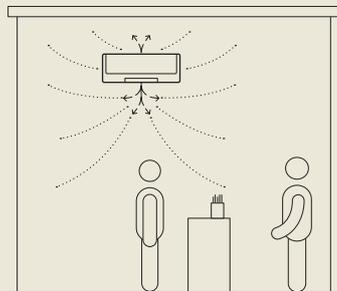
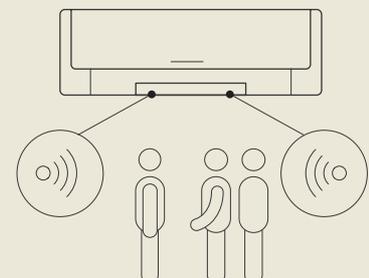
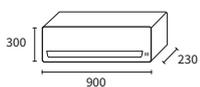


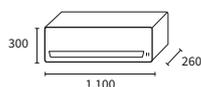
Fig. 2



Indoor units



RAK-50RPE1
RAK-60RPE

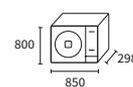


RAK-70PPD

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 Heating 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	RAK-50RPE1	RAK-60RPE	RAK-70PPD
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	RAK-50RPE1	RAK-60RPE	RAK-70PPD
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.)

Indoor unit (Remote control NOT included)	Unit	RAK-50RPE1	RAK-60RPE	RAK-70PPD
	€+1.67	€1,000	€1,100	€1,790
External unit	Unit	RAC-50NPE	RAC-60NPE	RAC-70NPD
	€+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



R32 duct unit

The discrete and high-performance high-end solution



New installations with VMC HYGRO B

With the CSTB (French Scientific and Technical Center for Building), Hitachi has had its duct unit ATEC-verified, which now allows this solution to be installed in new builds with a VMC HYGRO B.

Condensate pump included

So you don't have to worry about adding more on to the installation, the duct incorporates its own pumps to automatically remove condensation. (Fig. 1)

Static high pressure

The duct has a pressure of 150 Pa so you can install it just where you want it and the user does not have to worry about enough air getting to the furthest 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.

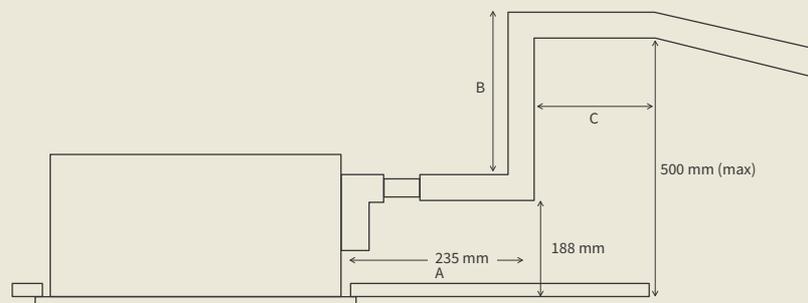
Compatible with the airCloud Pro remote controller

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.

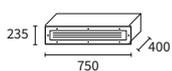
Compatible with Airzone

With a single duct unit, the user can control up to 6 rooms separately thanks to Airzone motorized plenums that fit directly onto the Hitachi units. This level of compatibility means you are free to use the full range of Airzone air regulation products.

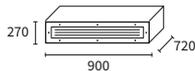
Fig. 1



Indoor units

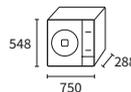


RAD-25RPE
RAD-35RPE

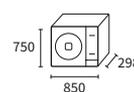


RAD-50RPE
RAD-60RPE
RAD-70PPD

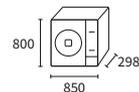
Outdoor units



RAD-25NPE
RAD-35NPE



RAC-50NPE
RAC-60NPE



RAC-70NPD

R32 duct unit

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Rated power, cooling (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	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	0.595 (0.25 - 1.29)	0.945 (0.25 - 1.46)	1.42 (0.30 - 2.50)	1.71 (0.30 - 2.60)	2.11 (0.50 - 2.70)
EER	-	4.20	3.70	3.52	3.51	3.32
Energy class Cooling	-	A++				
SEER (average climate)	-	6.20	6.50	6.20		6.10
Guaranteed performance in Cooling mode for outside Temp ²	°C	-10°C / +46°C			-15°C / +46°C	
Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Rated power, heating (min-max)	kW	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	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	2.50	3.20	4.20	5.00	5.50
Rated power input Heating (min-max)	kW	0.875 (0.25 - 1.50)	1.260 (0.25 - 1.92)	1.57 (0.30 - 2.65)	1.84 (0.30 - 2.65)	2.20 (0.50 - 2.80)
COP	-	4.00	3.81	3.82	3.80	3.64
Energy class Heating	-	A+				
SCOP (average climate)	-	4.30			4.00	
Guaranteed performance in Heating mode for outside Temp ²	°C				-15°C / +24°C	
Indoor units	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	30 / 33 / 37 / 41			29 / 32 / 35 / 39	
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	30 / 34 / 38 / 42			29 / 32 / 35 / 40	
Sound pressure in Cooling mode	dB(A)	57			53	
Static pressure (pv / mv / gv)	Pa	- / - / 70			50 / 100 / 150	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	330 / 390 / 450 / 510			350 / 540 / 800 / 1140	
Dehumidification	l/h	1.4	1.6	2.8		4.8
Dimensions (H x L x D)	mm	235 x 750 x 400			270 x 900 x 720	
Net weight	kg	16			35	
Condensing pump	-					Included
Remote control	-					Not included (SPX-RCKA1 / SPX-RCDA1 / SPX-WKT4)
Outdoor units	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Sound pressure in Cooling mode ⁽²⁾	dB(A)	48			50	
Sound pressure in Cooling mode	dB(A)	61			65	
Airflow (Cooling / Heating)	m ³ /h	1920 / 1620			2160 / 2160	
Dimensions (H x L x D)	mm	548 x 750 x 288			750 x 850 x 298	
Net weight	kg	32.5			50	
Compressor	-					Rotary
Cooling properties	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"	
Initial coolant fill	kg	0.86			1.50	
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			20 / 20	
Coolant	-					R32
Electrical features	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Power supply	V/Ph/Hz					230V / 1Ph / 50Hz
Max. current	A	15			20	
Cable width (EN 60 335-1)	mm ²	2 x 1.50 + T			2 x 2.50 + T	
Indoor/outdoor connection (protected)	mm ²					3 x 1.50 + T
Retail price per unit excluding taxes (+eco part)	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Indoor unit (Remote control not included)	€+1.67	€931	€1,122	€1,350	€1,400	-
	€+1.67					€1,458
External unit	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
	€+6.67	€1,381	€1,545	€1,700	€1,970	€2,440
Wired remote control SPX-WKT4	€+0.12					€195
Price for whole set Indoor unit + outdoor unit + wired remote control SPX-WKT4	€+8.46	€2,507	€2,862	€3,245	€3,565	-
	€+8.46					€4,093

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

⁽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).

Part number	Description	Length	Height	Depth	Compatibility	Number of ductwork connections	Price excluding taxes
PIM1SOURADNH	STANDALONE FAN BLOWER PLENUM M1 2XD200	720	200	300 + 50	RAD-18QPE* / RAD 25-35RPE	2 x 200	€200
PIM1REPRADNH	STANDALONE INTAKE PLENUM M1 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200	€139
PIM1REPRADNHF	STANDALONE INTAKE PLENUM M1 filter door 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200	€164
PIM1SOURADDH	STANDALONE FAN BLOWER PLENUM M1 3XD200	810	225	250 + 50	RAD-50-60RPE / RAD-70PPD	3 x 200	€200
PIM1REPRADDH	STANDALONE INTAKE PLENUM M1 2XD200	820	225	200 + 50	RAD-50-60RPE / RAD-70PPD	2 x 200	€139

* Only available as a multi option

Controls and compatible accessories (see page 197)



Wired programmable remote control

SPX-WKT4

Price plus taxes: €195



Infrared remote control

SPX-RCKA1

Price plus taxes: €155



Wired standard remote control

SPX-RCDA1

Price plus taxes: €150

Other (price excluding taxes):

- H-Link box - PSC-6RAD: €199

- Control box

Multi-indoor units

SPX-DST1 (€63) + SPX-WDST8M (€70)

- Hi Kumo interface WIFI SPX-WFG01: €150

- Hi-Box AHP-SMB-01: €215

- Hi Kumo interface for Hi-Box

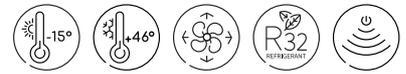
- SPX-TAG01: €150

- Single dry contact kit SPX-WDC2: €26

- SPX-RTH1 remote sensor: €77

Cassette for small public buildings with R32

Appearance and comfort



Condensate pump included

The cassette unit for small public buildings incorporates its own condensate pumps to remove condensation automatically, without the need for any other add-ons. (Fig. 1)

Motion sensor

An air-conditioning unit without unnecessary consumption thanks to the motion sensor that gradually decreases the energy consumption of the equipment when the room is empty and restarts it when it detects people moving.

Improved comfort

On this equipment 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 provides superior comfort in the room.

Flexible installation

With a 30-m long cooling pipe between the indoor unit and the outdoor unit, this equipment can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m. 600 x 600 mm in size, they can be integrated into standard ceiling panels.

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 indoor unit.

Individual control of the blades

The 4 blades in the cassette unit can be configured individually with the SPX-WKT4 so that each one works differently: blowing air directly towards the user, directing air at the ceiling or at the floor, etc. Comfort is guaranteed. (Fig. 2)

Fig. 1

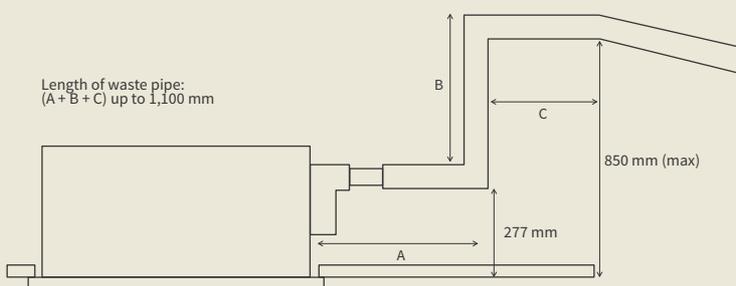
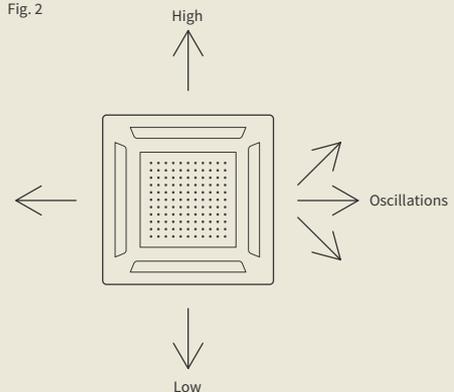
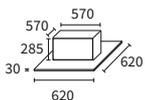


Fig. 2

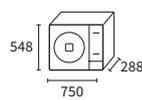


Indoor units

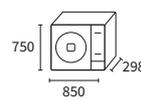


RAI-25RPE RAI-50RPE
RAI-35RPE RAI-60RPE

Outdoor units



RAC-25NPE RAC-35NPE



RAC-50NPE RAC-60NPE

Cassette for small public buildings R32

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW
Rated power, cooling (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Rated power input Cooling (min-max)	kW	0.595 (0.25 - 1.29)	0.875 (0.25 - 1.46)	1.420 (0.30 - 2.50)	1.710 (0.30 - 2.60)
EER	-	4.20	4.00	3.52	3.51
Energy class Cooling	-	A++			
SEER (average climate)	-	6.20	6.50	6.20	
Guaranteed performance Cooling for outdoor Temp°	°C	-10°C / +46°C		-15°C / +46°C	

Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW
Rated power, heating (min-max)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Power at full charge at -7°C ⁽¹⁾	kW	2.70	3.20	4.20	4.80
Rated power input Heating (min-max)	kW	0.875 (0.25 - 1.50)	1.230 (0.25 - 1.92)	1.570 (0.30 - 2.65)	1.840 (0.30 - 2.65)
COP	-	4.00	3.90	3.82	3.80
Energy class Heating	-	A+			
SCOP (average climate)	-	4.30		4.40	
Guaranteed performance in Heating mode for outside Temp°	°C	-15°C / +24°C			

Indoor units	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	27 / 31 / 35 / 38	27 / 33 / 37 / 40	29 / 35 / 39 / 43	
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	28 / 32 / 36 / 39	28 / 34 / 38 / 41	30 / 36 / 40 / 44	
Sound pressure in Cooling mode	dB(A)	54		56	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (H x L x D)	mm	285 x 570 x 570			
Front panel dimensions (H x W x D)	mm	30 x 620 x 620			
Net weight of box	kg	17			
Net weight of front panel	kg	2.8			
Front panel part no.	-	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
Remote control	-	Not included (SPX-RCKA3 / SPX-RCDB1 / SPX-WKT4)			

Outdoor units	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE
Sound pressure in Cooling mode ⁽²⁾	dB(A)	48		50	
Sound pressure in Cooling mode	dB(A)	61		65	
Airflow (Cooling / Heating)	m ³ /h	1920 / 1620		2160 / 2160	
Dimensions (H x L x D)	mm	548 x 750 x 288		750 x 850 x 298	
Net weight	kg	32.5		50	
Compressor	-	Rotary			

Cooling properties	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"	
Condensate outlet diameter (ext)	mm	32			
Condensing pump	-	Included			
Initial coolant fill	kg	0.86		1.50	
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		20 / 20	
Coolant	-	R32			

Electrical features	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			
Max. current	A	15		20	
Cable width (EN 60 335-1)	mm ²	2 x 1.50 + T		2 x 2.50 + T	
Indoor/outdoor connection (protected)	mm ²	3 x 1.50 + T		3 x 1.50 + 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)	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Indoor unit (Remote control NOT included)	-	€1,108	€1,211	€1,450	€1,650
Cassette unit front panel	-	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
		€350			
External unit	€+6.67	RAC-25NPE	RAC-35RPE	RAC-50NPE	RAC-60NPE
		€1,381	€1,545	€1,700	€1,970
Infrared remote control SPX-RCKA3	€+0.12	€155			
Price for whole set Indoor unit + front panel + outdoor unit + remote control	€+6.79	€2,994	€3,261	€3,655	€4,125

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-RCKA3
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