

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

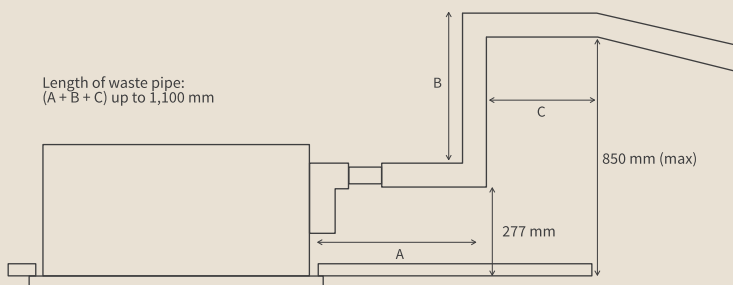
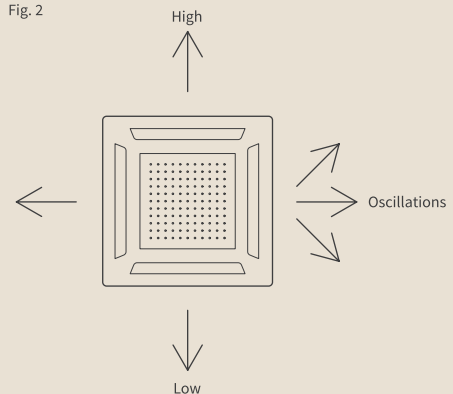
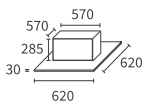


Fig. 2

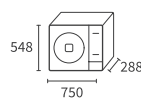


Indoor units

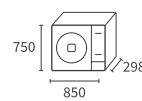


RAI-25RPE RAI-50RPE
RAI-35RPE RAI-60RPE

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	2.5 kW	3.5 kW	5.0 kW	6.0 kW
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	2.5 kW	3.5 kW	5.0 kW	6.0 kW
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)

Indoor unit (Remote control NOT included)	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE	
	-	€1,108	€1,211	€1,450	€1,650	
Cassette unit front panel	Unit	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	
	-	€350				
External unit	Unit	RAC-25NPE	RAC-35RPE	RAC-50NPE	RAC-60NPE	
	€+6.67	€1,381	€1,545	€1,700	€1,970	
Infrared remote control SPX-RCKA3	Unit	€155				
	€+0.12	€155				
Price for whole set Indoor unit + front panel + outdoor unit + remote control	Unit	€+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