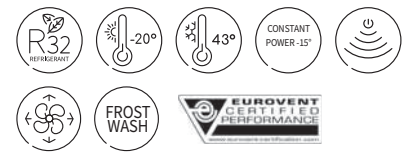


S-Premium

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)

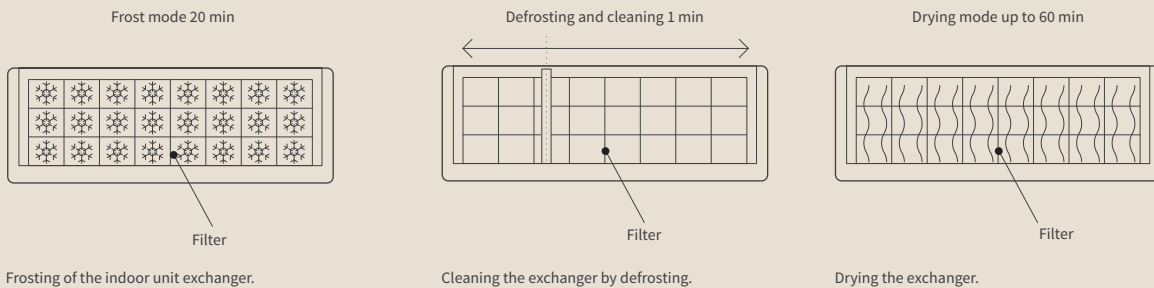
Stainless Clean

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

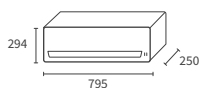
Auto filter Clean

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

Fig. 1

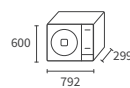


Indoor units

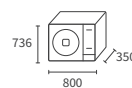


- RAK-25PSEW
- RAK-25PSES
- RAK-35PSEW
- RAK-35PSES
- RAK-50PSEW
- RAK-50PSES

Outdoor units



- RAC-25WSE
- RAC-35WSE



- RAC-50WSE

S-Premium

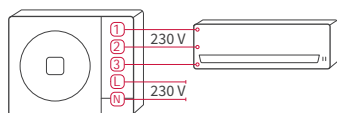
Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW
Nominal cooling capacity (min-max)	kW	2.50 (0.50 - 3.40)	3.50 (0.50 - 4.10)	5.00 (1.90 - 5.20)
UK cooling capacity (UK sensible)	kW	2.50 (2.13)	3.35 (2.51)	4.77 (3.24)
Rated power input Cooling (min-max)	kW	0.490 (0.300 - 0.920)	0.778 (0.350 - 1.350)	1.389 (0.400 - 1.820)
EER	-	5.10	4.50	3.60
Energy class Cooling	-		A+++	A++
SEER (average climate)	-		9.00	7.50
Working range in Cooling	°C		-10°C / +43°C	
Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW
Nominal heating capacity (min-max)	kW	3.20 (0.60 - 5.80)	4.00 (0.60 - 6.60)	6.00 (2.20 - 7.00)
Heating capacity 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
Working range in 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 (EL / L / M / H) ⁽²⁾	dB(A)	22 / 28 / 34 / 41	22 / 29 / 36 / 43	25 / 31 / 38 / 46
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	22 / 28 / 34 / 42	22 / 29 / 36 / 44	25 / 31 / 38 / 48
Sound power in Cooling mode	dB(A)	55	57	60
Airflow in Cooling mode (EL / L / M / H)	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 power 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	51
Compressor	-		Rotary	2-cylinder rotary
Refrigeration characteristics	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 refrigerant charge	kg		0.98	1.3
Pre-charged for	m		20	30
Min. length	m		3	
Max. length / Additional charge	m/g/m		20 / -	30 / -
Max. level difference (outdoor unit above / outdoor unit below)	m		10 / 10	
Refrigerant	-		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	2.26 / 2.85	3.56 / 3.65	6.33 / 7.38
Recommended fuse size	A	15	15	25
Cable width (EN 60 335-1) ⁽³⁾	mm ²		1.50 x 2 + E	2.50 x 2 + E
Indoor/outdoor connection (shielded)	mm ²		1.50 x 3 + E	2.50 x 3 + E

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

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

⁽³⁾ Data shown is for indication purpose only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.

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



Controls and compatible accessories (see page 161)



Infrared remote control
RAR-6NE1
Included



Wired standard remote control
SPX-RCDB1



Wired programmable remote control
SPX-WKT4



H-Link box
PSC-6RAD

Other (price excluding taxes):

- Control box for multi-indoor units SPX-DST1 + SPX-WDST8M
- interface airCloud Home SPX-WFG02
- Hi-Box AHP-SMB-01
- Hi Kumo interface for Hi-Box SPX-TAG01
- Single dry contact kit SPX-WDC3
- Single fault report kit SPX-WDC7 + HA-S100TSA