

# S-Premium

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



## FrostWash

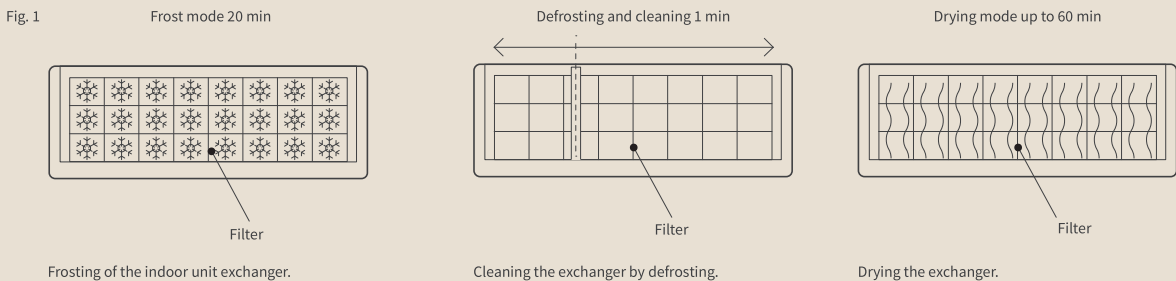
Automatically and regularly cleans the heat exchanger to emit pure, clean air. (Fig.1)

## Stainless Clean

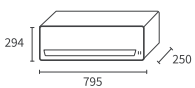
The S-Premium indoor unit is made of stainless steel, which reduces dust accumulation by 51% compared to plastic indoor units.

## Auto filter Clean

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

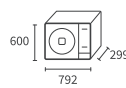


### Indoor units

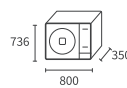


RAK-25PSEW    RAK-35PSES  
 RAK-25PSES    RAK-50PSEW  
 RAK-35PSEW    RAK-50PSES

### Outdoor units



RAC-25WSE  
 RAC-35WSE



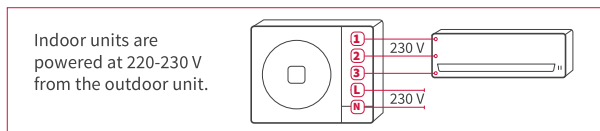
RAC-50WSE

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 <sup>(1)</sup>	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) <sup>(2)</sup>	dB(A)	22 / 28 / 34 / 41	22 / 29 / 36 / 43	25 / 31 / 38 / 46
Sound pressure in Heating mode (EL / L / M / H) <sup>(2)</sup>	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 <sup>3</sup> /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 <sup>(2)</sup>	dB(A)	47	48	51
Sound power in Cooling mode	dB(A)	61	62	65
Airflow (Cooling / Heating)	m <sup>3</sup> /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	RAC-25WSE	RAC-35WSE	RAC-50WSE
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	RAC-25WSE	RAC-35WSE	RAC-50WSE
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) <sup>(3)</sup>	mm <sup>2</sup>	1.50 x 2 + E		2.50 x 2 + E
Indoor/outdoor connection (shielded)	mm <sup>2</sup>	1.50 x 3 + E		2.50 x 3 + E

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

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

<sup>(3)</sup> 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.



## Controls and compatible accessories (see page 161)



Infrared remote control  
RAR-6NE1  
Included



Wired standard remote control  
SPX-RCDB1

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



Wired programmable remote control  
SPX-WKT4



H-Link box  
PSC-6RAD