

Wall Mounted

R32 SHIROKUMA



RAK 25-50RXD

Indoor units

- /// Sustainable R32 refrigerant
- /// High seasonal performance SEER A+++ 8.70 and SCOP A+++ 5.20, fully ErP compliant
- /// **Stainless Clean**
The components of the inner unit (including filter) are made of stainless steel for greater purity of the air
- /// **Human Sensor**
Adapts the operation of the unit according to the presence or not of people in the room
- /// Dry contact available
- /// Auto-diagnosis function
- /// Operating status available
- /// Can be locked into heating only
- /// **Horizontal & Vertical Auto-swing**
4 Way Swing keeps the temperature of the room constant by combining vertical & horizontal airflow for added end user comfort
- /// Constant power maintaining heating capacity down to -15°C
- /// Range compatible with the SOMFY & Hi-Kumo Wi-Fi home automation solution.



INFRA-RED REMOTE CONTROL*
RAR-6N1



WIRED REMOTE CONTROL**
SPX-WKT3



WIRED REMOTE CONTROL**
SPX-RCDB

Remote controllers

- /// 24-hour, 7-day Infra-red remote controller
- /// Eco operation energy saving function
- /// Leave home function - set temperature at 10°C automatically when no one is at home for up to 99 days
- /// Weekly timer - 6 patterns
- /// Can be locked in heating only.

* Standard

** Optional



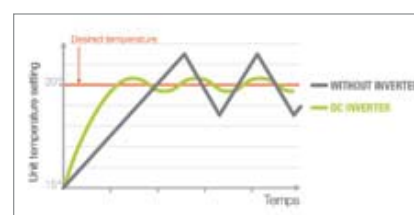
RAC 25-35WXD



RAC 50WXD

DC Inverter Outdoor unit

- /// As the pioneer of DC Inverter driven room air conditioners our units boast the significant advantage of all DC Inverter driven compressors and fans allowing precise control of capacity and temperature.



RAK 25-50RXD



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INDOOR UNITS

Indoor Unit Model		RAK-25RXD	RAK-35RXD	RAK-50RXD
Nominal Cooling Capacity (min - max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Sensible Cooling Capacity	kW	2.3	2.9	3.8
UK Cooling Capacity (sensible)	kW	2.4 (2.3)	2.9 (2.4)	4.1 (3.1)
Nominal Heating Capacity (min - max)	kW	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.2 - 7.00)
Nominal cooling power input (min - max)	kW	0.48 (0.25 - 1.00)	0.81 (0.25 - 1.40)	1.40 (0.50 - 2.10)
Nominal heating power input (min - max)	kW	0.59 (0.25 - 1.20)	0.80 (0.25 - 1.60)	1.42 (0.50 - 2.70)
Seasonal Efficiency SEER ⁽⁴⁾		8.5	8.7	7.5
Energy Efficiency Class	kWh/yr	A+++	A+++	A++
Annual Energy Consumption		103	141	233
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		5.2	5.2	4.7
Energy Efficiency Class	kWh/yr	A+++	A+++	A++
Annual Energy Consumption		314	388	581
Nominal Load Efficiency EER / COP ⁽⁵⁾		5.20 / 5.40	4.30 / 5.00	3.58 / 4.10
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise level cooling (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	20 / 27 / 35 / 43	22 / 29 / 35 / 42	25 / 31 / 39 / 47
Noise level heating (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	20 / 28 / 36 / 43	22 / 30 / 35 / 42	25 / 31 / 39 / 48
Noise level (sound power) ⁽³⁾	dB(A)	58	60	60
Air flow cooling mode (SL / L / M / H)	m³/h	300 / 330 / 510 / 600	320 / 340 / 430 / 580	350 / 400 / 580 / 720
Air flow heating mode (SL / L / M / H)	m³/h	290 / 370 / 560 / 680	310 / 360 / 480 / 630	350 / 420 / 620 / 800
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (H x W x D)	mm	295 x 900 x 210	295 x 900 x 210	295 x 900 x 210
Weight	kg	11	11	11
Power supply		230V / 1Ph / 50Hz		
Drain diameter (ext)		φ16mm	φ16mm	φ16mm
Remote Control	Std	Infra-Red (RAR-6N1)	Infra-Red (RAR-6N1)	Infra-Red (RAR-6N1)
	Opt	SPX-WKT3 / SPX-RCDB	SPX-WKT3 / SPX-RCDB	SPX-WKT3 / SPX-RCDB

OUTDOOR UNITS

Outdoor Unit Model		RAC-25WxD	RAC-35WxD	RAC-50WxD
Noise level cooling (sound pressure) ⁽³⁾	dB(A)	47	48	51
Noise level heating (sound pressure) ⁽³⁾	dB(A)	48	50	51
Noise level (sound power) ⁽³⁾	dB(A)	61	62	65
Air flow (Cooling / Heating)	m³/h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x W x D)	mm	600x792x299	600x792x299	736x800x350
Weight	kg	37.5	37.5	51.0
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Minimum Piping Length	m	3.0	3.0	3.0
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10	30 / 10
Current Quantity of Refrigerant	kg	0.98	0.98	1.30
Chargeless / Additional Refrigerant Charge	m / g/m	20 / -	20 / -	30 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	25	25	25
Starting current (cooling/heating)	A	2.92 / 2.73	3.86 / 3.67	6.36 / 6.44
Running 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
Interconnecting Cables	No.	1.50x 3+EARTH	1.50x 3+EARTH	2.50x 3+EARTH
Working Range (cooling/heating)	°C	-10°C ~ +43°C / -20°C ~ +21°C		
Refrigerant / GWP		R32 / 675	R32 / 675	R32 / 675
Compressor type		Rotary	Rotary	Rotary
System Price	(£)	813	935	1,365

(1) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the "cooling" mode operation in accordance to EN12102

(2) Sound pressure level is measured at 0.8 meter beneath indoor unit 1m from discharge grille in anechoic chamber.

(3) Sound pressure level is measured at 1.0m from front face of unit, 1.5m above the ground in anechoic chamber.

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

! The indoor units are now to be supplied with 220-230 V from the outside unit.

