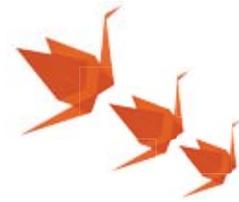


Floor Mounted SHIROKUMA



RAF 25-50RXB



INFRA-RED REMOTE CONTROL*
RAR 6N4



WIRED REMOTE CONTROL**
SPX-WKT3



WIRED REMOTE CONTROL**
SPX-RCDB



RAC 25-35FXB



RAC 50FXB

Indoor units

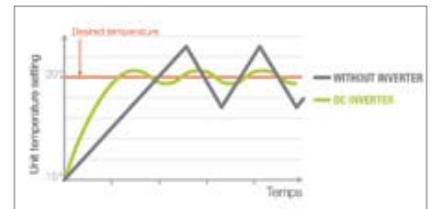
- /// Nominal cooling capacities 2.5kW to 5.0kW
- /// Nominal heating capacities 3.4kW to 6.5kW
- /// High seasonal performance: SCOP A+ 4.2 and SEER A++ 6.4
- /// Antibacterial Sanitizing
High-performance deodorising filter which absorbs dust, mould and other harmful micro-organisms suppressing
- /// Possible to lock in heating only mode
- /// Volt Free control of the air conditioning system - can be used to turn the unit on/off remotely after receiving a signal such as key-card, door or window switch, specifically useful in hotel rooms to prevent unnecessary use. Accessory SPX WDC1 is required.

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
- /// Heating/Cooling Only operation - 2 ways of setting
- /// Room temperature display.

Outdoor units

- /// DC Inverter technology: Precisely adjusts the power required to heat a room ensuring comfort and durability of the installation.



RAF 25-50RXB

* Standard
** Optional

SHIROKUMA

Floor Mounted



INDOOR UNITS

		RAF-25RXB	RAF-35RXB	RAF-50RXB
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.1)	3.5(0.9 - 4.0)	5.0 (0.9 - 5.2)
Cooling Sensible Capacity	kW	2.50	2.95	3.80
UK Cooling Capacity (sensible)	kW	2.4 (1.9)	3.1 (2.5)	4.2 (3.1)
Nominal Heating Capacity (min - max)	kW	3.4(0.9 - 4.4)	4.5(0.9 - 5.0)	6.5 (0.9 - 8.1)
Nominal Cooling Power Input (min - max)	kW	0.58 (0.15 - 1.16)	1.02 (0.15 - 1.38)	1.56 (0.15 - 1.95)
Nominal Heating Power Input (min - max)	kW	0.79 (0.11 - 1.17)	1.22 (0.11 - 1.35)	1.78 (0.15 - 2.10)
Seasonal Efficiency SEER ⁽⁴⁾		6.38	6.39	5.97
Energy Efficiency Class		A++	A++	A+
Annual Energy Consumption	kWh/yr	140	196	299
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.24	4.14	4.15
Energy Efficiency Class		A+	A+	A+
Annual Energy Consumption	kWh/yr	824	1,120	1,614
Nominal Load Efficiency EER / COP ⁽⁵⁾		4.31 / 4.30	3.43 / 3.69	3.21 / 3.65
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	20/26/31/38	20/26/31/39	22/29/36/43
Noise Level Heating (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	20/26/31/38	20/26/31/39	22/29/36/44
Noise level (sound power) ⁽¹⁾	dB(A)	55	56	59
Air flow cooling mode (SL / L / M / H)	m ³ /h	270/390/510/630	270/390/510/660	300/450/540/720
Air flow heating mode (SL / L / M / H)	m ³ /h	300/420/540/660	300/420/540/690	330/480/570/750
Dehumidification	l/h	1.4	1.9	2.8
Dimensions (H x W x D)	mm	590x750x215	590x750x215	590x750x215
Weight	kg	15.0	15.0	15.0
Included drain pump		no	no	no
Power Supply			230V / 1Ph / 50Hz	
Drain Diameter (ext)		φ16mm	φ16mm	φ16mm
Remote Control				
	Std	Infra Red (RAR-6N4)	Infra Red (RAR-6N4)	Infra Red (RAR-6N4)
	Opt	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-25FXB	RAC-35FXB	RAC-50FXB
Noise Level Cooling (sound pressure) (night mode) ⁽³⁾	dB(A)	45	46	50
Noise Level Heating (sound pressure) (night mode) ⁽³⁾	dB(A)	47	48	52
Noise level (sound power) ⁽¹⁾	dB(A)	62	63	65
Air flow (Cooling / Heating)	m ³ /h	1860 / 1620	1920 / 1620	1950 / 1750
Dimensions (H x W x D)	mm	548x750x288	548x750x288	736x800x350
Weight	kg	31.5	31.5	49.5
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	20 / 10
Current Quantity of Refrigerant	kg	0.87	0.87	1.40
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	16	16	16
Starting current	A	<5	<5	<5
Running current (cooling / heating)	A	0.67-5.13 / 0.50-4.87	0.67-6 / 0.50-5.87	2.17-9.13 / 2.17-11.74
Interconnecting Cables	No.	2 (screened) + E	2 (screened) + E	2 (screened) + E
Working Range (cooling / heating)	°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Scroll	Scroll	Scroll
System Price (£)	(£)	1,462	1,485	1,893

System price includes infra-red remote controller.

(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 1.0m from front of unit and 1m from floor level 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)