

## SHIROKUMA WALL MOUNTED RAK-RXB

The Shirokuma range of inverter high-wall units has been specifically designed for residential applications. The modern design fits well into any interior room.

The units are extremely quiet in operation and provide excellent all round comfort. Using Hitachi rotary compressor technology, the units give high energy efficient heating and cooling.



### FEATURES AND BENEFITS

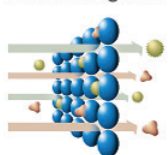
- High seasonal efficiency A+++ class in cooling and A++ in heating, fully ErP compliant
- Stylish slim-line design
- Extremely low sound level (20dBA)
- Easy installation and maintenance
- Auto-diagnosis function
- Latest digital hybrid inverter technology
- Easy-to-use remote control with extra-large display.



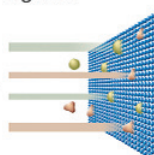
#### NANO TITANIUM WASABI AIR PURIFICATION

A cutting-edge technology that uses a wasabi-modified Nano Titanium catalyst to provide a powerful antibacterial, anti-mould, anti-allergen and deodorizing effect.

Conventional anti-bacterial agents



Nano Titanium agents



<Image>

● Bacteria  
● Odours

### REMOTE CONTROLLERS



**Standard**  
Wireless Remote Controller



**SPX-RCDB (optional)**  
Wired Remote Controller

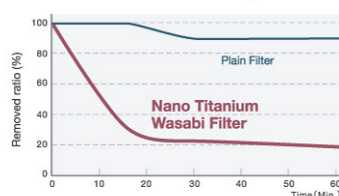


**SPX-WKT2 (optional)**  
Wired 7-day Remote Controller

- 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
- Error Code Display
- Alarm History.

- Daily Timer
- Weekly timer
- Sleep timer
- Leave Home Function
- Error Code Display
- Alarm History
- Control remotely via smartphone Hi-Kumo app

#### Ammonia Deodorizing Effect\*2



\*2 Test material: Nano Titanium Wasabi Air Purifying Filter (30.8 x 27.6cm ST), Reactor volume: 1m<sup>3</sup>  
Analysis: Gas Detector Tube Method. Flow rate through kit: 1m/s  
Tested by the Nanopac Testing Laboratory

**82%**  
ODOUR  
REMOVED



RAK RXB



RAC WXB

## SHIROKUMA

### WALL MOUNTED RAK-RXB

Indoor Unit Model		RAK-25RXB	RAK-35RXB	RAK-50RXB
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.1)	3.5 (0.9 - 4.0)	5.00 (1.90 - 5.20)
Sensible Cooling Capacity	kW	2.3	3.0	3.7
UK Cooling Capacity (sensible)	kW	2.2 (2.0)	2.7 (2.4)	4.3 (2.8)
Heating capacity at -7°C	kW	2.7	3.5	4.4
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	0.545 (0.25 - 1.22)	0.910 (0.25 - 1.40)	1.560 (0.50 - 2.10)
Nominal heating power input (min - max)	kW	0.700(0.25 - 1.20)	0.955(0.25 - 1.60)	1.560(0.50 - 2.70)
Seasonal Efficiency SEER <sup>(4)</sup>		8.50	8.50	7.20
Energy Efficiency Class	kWh/yr	A+++	A+++	A++
Annual Energy Consumption		103	144	243
Seasonal Efficiency SCOP <sup>(4)</sup> (Average Climate)		4.70	4.72	4.50
Energy Efficiency Class	kWh/yr	A++	A++	A+
Annual Energy Consumption		691	860	1,309
Nominal Load Efficiency EER / COP <sup>(5)</sup>		4.59/4.57	3.85/4.19	3.21/3.72
Energy Class (Cool/Heat)		A/A	A/A	A/A
Noise level cooling (sound pressure) (SL / L / M / H) <sup>(2)</sup>	dB(A)	20/26/32/40	22/29/35/42	25/31/39/47
Noise level heating (sound pressure) (SL / L / M / H) <sup>(2)</sup>	dB(A)	20/27/33/40	22/30/35/42	25/31/39/48
Noise level (sound power) <sup>(1)</sup>	dB(A)	55	60	60
Air flow cooling mode (SL / L / M / H)	m³/h	300/330/510/560	320/340/430/580	350/400/580/720
Air flow heating mode (SL / L / M / H)	m³/h	290/370/560/610	310/360/480/630	350/420/620/800
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (H x W x D)	mm	295x900x210	295x900x210	295x900x210
Weight	kg	11	11	11
Power supply		230V / 1Ph / 50Hz		
Drain diameter (ext)		ø16mm	ø16mm	ø16mm
Remote Control	Std	Infra-Red (RAR-6N1)	Infra-Red (RAR-6N1)	Infra-Red (RAR-6N1)
	Opt. 1	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)
	Opt. 2	Wired (SPX-WKT2)	Wired (SPX-WKT2)	Wired (SPX-WKT2)

Outdoor Unit Model		RAC-25WXB	RAC-35WXB	RAC-50WXB
Noise level cooling (sound pressure) <sup>(3)</sup>	dB(A)	46	47	51
Noise level heating (sound pressure) <sup>(3)</sup>	dB(A)	47	49	51
Noise level (sound power) <sup>(1)</sup>	dB(A)	60	61	65
Air flow (Cooling / Heating)	m³/h	1860/1620	1920/1620	2160/2160
Dimensions (H x W x D)	mm	548x750x288	548x750x288	736x800x350
Weight	kg	34.0	34.0	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	30/10
Current Quantity of Refrigerant	kg	1.08	1.17	1.35
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	25
Starting current (cooling/heating)	A	<1 Amp	<1 Amp	<1 Amp
Running current (cooling/heating)	A	1.09-5.30/1.09-5.22	1.09-6.09/1.09-6.96	2.17-9.13/2.17-11.74
Interconnecting Cables	No.	3 + E	3 + E	3 + 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		Rotary	Rotary	Rotary

(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 3m 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)



For ErP performance  
data visit us at:  
[hitachiaircon.com/erpactive](http://hitachiaircon.com/erpactive)

UNITED KINGDOM  
[aircon.uk@jci-hitachi.com](mailto:aircon.uk@jci-hitachi.com)  
tel: 01628 585 394

IRELAND  
[aircon.ireland@jci-hitachi.com](mailto:aircon.ireland@jci-hitachi.com)  
tel: 00 353 1 216 4406