

Wall Mounted



SCOP
A++

SEER
A+++



WALL MOUNTED

Hitachi offers a wide range of stylish and highly-efficient wall mounted systems suitable for a variety of applications.

COP
4.03



SUMMIT

RAK 18 - 50 PEB _____ pages 32 and 33

COP
4.31



PERFORMANCE

RAK 18 - 50 RPB _____ pages 34 and 35
RAK 60 - 70 PPA _____ pages 34 and 35

COP
4.57



SHIROKUMA

RAK 25 - 50 RXB _____ pages 36 and 37

COP
6.13



S-SERIES

RAK 18 - 35 PSB _____ pages 38 and 39

COP
2.96



UTOPIA ES

RPK 3.0 FSN3M _____ pages 40 and 41

COP
3.15



UTOPIA IVX COMFORT

RPK 3.0 - 4.0 FSN3M _____ pages 42 and 43

COP
3.44



UTOPIA IVX PREMIUM

RPK 2.0 - 4.0 FSN3M _____ pages 44 and 45

WALL MOUNTED EXCELLENT ENERGY EFFICIENCY



S-SERIES

SCOP
A++ **4.72**

SEER
A+++ **8.50**

-20
+21

-10
+43



Functions

ENERGY SAVING SENSOR

(SHIROKUMA and S-SERIES)

STAINLESS CLEAN

Stainless steel components provide increased air purity (SHIROKUMA and S-SERIES)

WASABI FILTER

Deodorising and antibacterial filter (PERFORMANCE and SHIROKUMA)

AUTO-CLEAN

Automatic filter cleaning (S-SERIES)

CONSTANT POWER

Maintains heated output with temperatures as low as -15°C outside (S-SERIES)

REMOTE CONTROL

- Reading fault codes
- Reading the room temperature
- Reading energy consumption
- Functionality changes depending on model.

Design

- Multiple finishes: matte white, glossy finish, brushed aluminium.

- Infra-red remote control.

INFRA-RED
REMOTE CONTROL



SHIROKUMA



WALL MOUNTED Range



Installation

Discrete, economical and easy to install on the wall or above a door, the wall mounted unit frees up floor space.

Wide range

Nominal cooling output (kW)		2	2.5	3.5	5	5.6	6	7	7.1	10
	SUMMIT <i>(pages 32 and 33)</i>	/	/	/	/					
	NEW PERFORMANCE <i>(pages 34 and 35)</i>	/	/	/	/		/	/		
	NEW SHIROKUMA <i>(pages 36 and 37)</i>		/	/	/					
	S-SERIES <i>(pages 38 and 39)</i>	/	/	/						
	UTOPIA ES <i>(pages 40 and 41)</i>								/	
	UTOPIA IVX COMFORT <i>(pages 42 and 43)</i>								/	/
	UTOPIA IVX PREMIUM <i>(pages 44 and 45)</i>				/	/			/	/

Wall Mounted PERFORMANCE



RAK 35-50RPB



RAK 60PPA



RAK 70PPA



INFRA-RED REMOTE CONTROL*



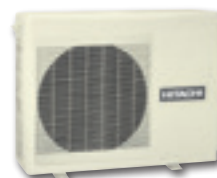
WIRED REMOTE CONTROL**
SPX-RCDB



RAC 18-25WPB



RAC 35-50WPB



RAC 60WPA



RAC 70WPA

Indoor units

- ✓ Nominal cooling capacities 2.0kW to 7.0kW
- ✓ Nominal heating capacities 2.5kW to 8.0kW
- ✓ High seasonal performance: SCOP A++ 4.6 and SEER A++ 7.6
- ✓ Can be locked in heating only
- ✓ Deodorising and anti-bacterial Wasabi filter
- ✓ 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. Accessories SPX WDC3 or SPX WDC2 are required.

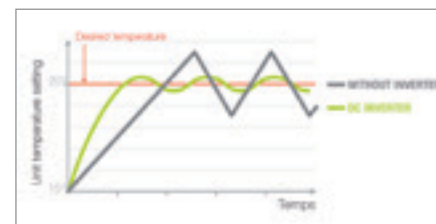
* Standard
** Optional

Remote controllers

- ✓ Infra-red remote control
- ✓ Possibility of carrying two different weekly schedules (e.g. Summer/Winter) with 6 On/Off's per day
- ✓ New functions:
 - Display ambient temperature
 - Display energy consumption
 - Reading of the fault codes.

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 18-25RPB



PERFORMANCE

Wall Mounted

INDOOR UNITS

		RAK-18RPB	RAK-25RPB	RAK-35RPB	RAK-50RPB	RAK-60PPA	RAK-70PPA
Nominal Cooling Capacity (min - max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.0 (0.9 - 5.2)	6.10 (0.9 - 6.5)	7.00 (1.5 - 8.00)
Sensible Cooling Capacity	kW	1.9	2.2	2.7	3.8	4.4	5.4
UK Cooling Capacity (sensible)	kW	1.9 (1.7)	2.4 (2.0)	3.3 (2.5)	4.2 (3.1)	5.3 (4.0)	6.5 (4.8)
Nominal Heating Capacity (min - max)	kW	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	6.00 (2.2 - 7.30)	6.80 (0.9 - 8.5)	8.00 (1.5 - 9.2)
Nominal cooling power input (min - max)	kW	0.55 (0.25 - 1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)	1.85 (0.15 - 2.30)	2.17 (0.20 - 2.82)
Nominal heating power input (min - max)	kW	0.58 (0.25 - 0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66 (0.50 - 2.75)	1.88 (0.12 - 2.55)	2.20 (0.20 - 2.97)
Seasonal Efficiency SEER ⁽⁴⁾		7.0	7.6	7.2	7.2	6.0	6.8
Energy Efficiency Class		A++	A++	A++	A++	A+	A++
Annual Energy Consumption	kWh/yr	100	115	170	243	350	360
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.3	4.4	4.6	4.4	4.0	4.4
Energy Efficiency Class		A+	A+	A++	A+	A+	A+
Annual Energy Consumption	kWh/yr	591	786	928	1,381	1,670	2,060
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.64 / 4.31	3.57 / 3.86	3.21 / 3.82	3.21 / 3.61	3.30 / 3.62	3.23 / 3.64
Energy Class (Cool/Heat)	A / A	A / A	A / A	A / A	A / A	A / A	A / A
Noise level cooling (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	21/24/33/37	22/24/33/40	25/26/36/43	25/28/39/46	30/33/42/48	30/33/42/47
Noise level heating (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	19/22/33/38	20/23/34/41	26/27/36/44	27/31/39/46	33/34/42/49	30/33/42/47
Noise level (sound power) ⁽¹⁾	dB(A)	51	54	57	60	63	61
Air flow cooling mode (SL / L / M / H)	m ³ /h	312/350/400/440	333/370/430/510	353/420/485/680	353/410/540/750	480/540/690/930	510/630/870/1020
Air flow heating mode (SL / L / M / H)	m ³ /h	312/350/420/480	333/400/500/570	363/480/570/780	380/500/610/820	480/510/720/1050	510/630/870/1080
Dehumidification	l/h	1.2	1.4	1.6	2.0	2.8	4.5
Dimensions (H x W x D)	mm	280 x 780 x 218	280 x 780 x 218	295 x 900 x 230	295 x 900 x 230	295x1030x207	333x1150x245
Weight	kg	7.5	7.5	10.0	10.0	12.0	15.0
Power supply		230V / 1Ph / 50Hz				35V DC & 230V , 1Ph , 50Hz	
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm	φ16mm	φ16mm
Remote Control	Std	Infra Red (RAR-6N2)	Infra Red (RAR-6N2)	Infra Red (RAR-6N1)	Infra Red (RAR-6N1)	Infra Red	Infra Red
	Opt	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

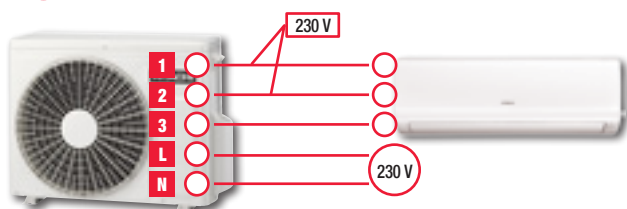
OUTDOOR UNITS

		RAC-18WPB	RAC-25WPB	RAC-35WPB	RAC-50WPB	RAC-60WPA	RAC-70WPA
Noise level cooling (sound pressure) (night mode) ⁽³⁾	dB(A)	46	48	49	51	50	52
Noise level heating (sound pressure) (night mode) ⁽³⁾	dB(A)	47	49	50	51	53	54
Noise level (sound power) ⁽¹⁾	dB(A)	60	62	63	65	66	67
Air flow (Cooling / Heating)	m ³ /h	1860/1620	1860/1620	1920/1620	2160/2160	2160/2160	2820/2820
Dimensions (H x W x D)	mm	530x660 x278	530x660 x278	548x750x288	600x792x299	650x850x298	800x850x298
Weight	kg	27.5	27.5	34.0	40.0	45.0	55.0
Piping diameter (Liquid / Gas)	Inch mm	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 - 1/2 6.35 - 12.70	1/4 - 1/2 6.35 - 12.70	1/4 - 5/8 6.35 - 15.88
Minimum Piping Length	m	3.0	3.0	3.0	3.0	3.0	3.0
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10	20 / 10	20 / 10	30 / 20	30 / 20
Current Quantity of Refrigerant	kg	0.95	0.95	1.05	1.25	1.65	1.85
Chargeless / Additional Refrigerant Charge	m / g/m	20 / -	20 / -	20 / -	20 / -	30 / -	30 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	16	16	16	25	25	32
Starting current	A	3.5	4.6	5.5	7.9	8.5	10.0
Running current (cooling / heating)	A	1.09-4.39/1.09-4.22	1.09-5.61/1.09/5.43	1.09-6.35/1.09/7.39	2.17-9.13/2.17-11.96	7.80 / 7.90	9.10 / 9.30
Interconnecting Cables	No.	3 + E	3 + E	3 + E	3 + E	2(Screened) + 2 + E	2(Screened) + 2 + 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	-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	R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Rotary	Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary

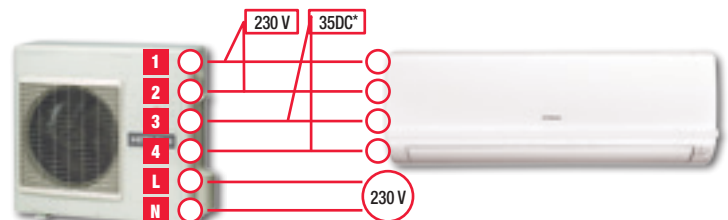
System price includes infra-red remote controller.

- (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 0.8 metre 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.



*Applies to RAC 18-50WPB only



*Applies to RAC 60-70WPA