

# 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++

SCOP  
**4.72**

**SEER**  
A+++

SEER  
**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
	<b>SUMMIT</b> <i>(pages 32 and 33)</i>	/	/	/	/					
	<b>NEW</b> <b>PERFORMANCE</b> <i>(pages 34 and 35)</i>	/	/	/	/		/	/		
	<b>NEW</b> <b>SHIROKUMA</b> <i>(pages 36 and 37)</i>		/	/	/					
	<b>S-SERIES</b> <i>(pages 38 and 39)</i>	/	/	/						
	<b>UTOPIA ES</b> <i>(pages 40 and 41)</i>								/	
	<b>UTOPIA IVX COMFORT</b> <i>(pages 42 and 43)</i>								/	/
	<b>UTOPIA IVX PREMIUM</b> <i>(pages 44 and 45)</i>				/	/			/	/

# Wall Mounted S-SERIES



RAK 18-35PSB

## Indoor units

- ✓ Nominal cooling capacities 1.8kW to 3.5kW
- ✓ Nominal heating capacities 2.3kW to 4.0kW
- ✓ Seasonal high performance: SCOP A++ 4.7 and SEER A+++ 8.5
- ✓ Stainless clean.  
The components in the indoor unit (including filter) are stainless steel for greater air purity
- ✓ Energy saving sensor.  
The eco sensor adjusts the unit operation as room occupancy changes to achieve energy savings
- ✓ 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 WDC3 is required.

\* Standard  
\*\* Optional



INFRA-RED REMOTE CONTROL\*  
RAR-5W1



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
- ✓ Heating / Cooling only operation - 2 ways of setting room temperature display
- ✓ Can be locked in heating only.



COP  
**6.13**

RAC 18-35WSB

## Outdoor units

- ✓ Maintains a heated output up to -15°C: optimum comfort even during the coldest periods



RAK 18-35PSB

# S-SERIES

## Wall Mounted

### INDOOR UNITS

		RAK-18PSB	RAK-25PSB	RAK-35PSB
Nominal Cooling Capacity (min - max)	kW	1.8 (0.5 - 2.8)	2.5 (0.5 - 3.4)	3.5 (0.5 - 4.1)
Cooling Sensible Capacity	kW	1.8	2.2	2.7
UK Cooling Capacity (sensible)	kW	1.9 (1.7)	2.7 (2.4)	4.3 (2.8)
Nominal Heating Capacity (min - max)	kW	2.3(0.6 - 4.8)	3.2(0.6 - 5.8)	4.0(0.6 - 6.6)
Nominal cooling power input (min - max)	kW	0.300 (0.070-0.880)	0.470 (0.070-0.960)	0.805 (0.070-1.350)
Nominal heating power input (min - max)	kW	0.375 (0.065-1.620)	0.57 (0.06 - 1.41)	0.79 (0.06 - 1.49)
Seasonal Efficiency SEER <sup>(4)</sup>		7.41	8.5	8.5
Energy Efficiency Class		A++	A+++	A+++
Annual Energy Consumption	kWh/yr	85	103	144
Seasonal Efficiency SCOP <sup>(4)</sup> (Average Climate)		4.6	4.7	4.7
Energy Efficiency Class		A++	A++	A++
Annual Energy Consumption	kWh/yr	588	802	896
Nominal Load Efficiency EER / COP <sup>(5)</sup>		6.00 / 6.13	5.32 / 5.61	4.35 / 5.06
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H) <sup>(2)</sup>	dB(A)	22/28/34/40	22/28/34/42	23/28/34/44
Noise Level Heating (sound pressure) (SL / L / M / H) <sup>(2)</sup>	dB(A)	22/30/34/41	22/30/34/42	23/30/34/44
Noise level (sound power) <sup>(1)</sup>	dB(A)	54	56	58
Air flow cooling mode (SL / L / M / H)	m <sup>3</sup> /h	260/300/420/470	260/320/420/510	270/320/420/520
Air flow heating mode (SL / L / M / H)	m <sup>3</sup> /h	260/300/420/540	260/370/520/600	270/410/520/610
Dehumidification	l/h	1.2	1.4	1.6
Dimensions (H x W x D)	mm	295x798x258	295x798x258	295x798x258
Weight	kg	12.0	12.0	12.0
Power Supply			220-230V	
Drain Diameter (ext.)		φ16mm	φ16mm	φ16mm
Remote Control	Std	Infra Red (RAR-5W1)	Infra Red (RAR-5W1)	Infra Red (RAR-5W1)
	Opt	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

### OUTDOOR UNITS

		RAC-18WSB	RAC-25WSB	RAC-35WSB
Noise level cooling (sound pressure) (night mode) <sup>(3)</sup>	dB(A)	46	48	49
Noise level heating (sound pressure) (night mode) <sup>(3)</sup>	dB(A)	46	48	49
Noise level (sound power) <sup>(1)</sup>	dB(A)	60	62	63
Air flow (Cooling / Heating)	m <sup>3</sup> /h	1860 / 1620	1860 / 1620	1920 / 1620
Dimensions (H x W x D)	mm	600x792x299	600x792x299	600x792x299
Weight	kg	40	40	40
Piping diameter (Liquid / Gas)	Inch mm	1/4 / 1/2 6.35 - 12.70	1/4 / 1/2 6.35 - 12.70	1/4 / 1/2 6.35 - 12.70
Minimum Piping Length	m	3	3	3
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10	20 / 10
Current Quantity of Refrigerant	kg	1.35	1.35	1.35
Chargeless / Additional Refrigerant Charge	m / g/m	20 / -	20 / -	20 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	25	25	25
Starting current (Cooling/Heating)	A	2.32/2.42	3.37/3.53	4.67/4.88
Running current (Cooling /Heating)	A	0.30-3.83/0.28-7.04	0.30-4.17/0.28-9.78	0.30-5.87/0.28-10.65
Interconnecting Cables	No.	3 + E	3 + E	3 + E
Working Range (cooling / heating)	°C	-10°C~43°C / -20°C~21°C	-10°C~43°C / -20°C~21°C	-10°C~43°C / -20°C~21°C
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Scroll	Scroll	Scroll

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.

