

Floor Mounted



SCOP
A+

SEER
A++



Room Air Conditioners

FLOOR MOUNTED

Hitachi's Floor Mounted units are specially developed for exceptional comfort, easy operation and substantial power savings for domestic and commercial applications.



COP
4.00

STANDARD

RAF 25 - 50 RPA _____ pages 50 and 51



COP
4.30

NEW
!

SHIROKUMA

RAF 25 - 50 RXB _____ pages 52 and 53

Floor Mounted

EFFICIENT HEATING



Room Air Conditioners



SHIROKUMA

SCOP
A+

SCOP
4.20

SEER
A++

SEER
6.40

+21
-15

+43
-10



Functions

WASABI FILTER

Deodorising and anti-bacterial filter.



GUARANTEED HEATING DOWN TO -15°C

REMOTE CONTROL

- Reading fault codes
- Reading the ambient temperature
- Reading of energy consumption

HEATING ONLY

All our models can be locked in heating only.

Discrete integration



INFRA-RED
REMOTE
CONTROL

Design

- Two finishes: White gloss finish (STANDARD FLOOR MOUNTED, unique design and brushed aluminium finish / white (SHIROKUMA FLOOR MOUNTED).
- Combine wall mounted units with floor mounted units in the same range for a uniform interior.

Floor Mounted Range



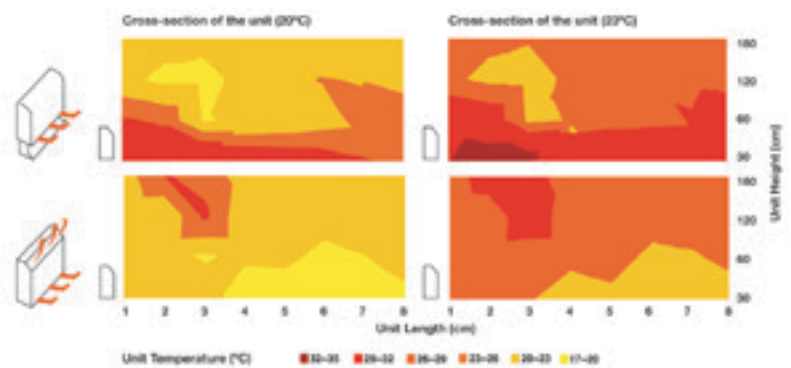
Installation

A MODERN DESIGN FOR PERFECT INTEGRATION



- ✓ The unit is installed as a radiator and can be fitted during a renovation.
- ✓ With a height of less than 60 cm, it can also be installed beneath a window.

A particularly innovative design, the SHIROKUMA unit has removable feet for increased flexibility when installing: stood on the floor or mounted on a wall.

Discrete, economical and efficient, Hitachi units offer optimum comfort.



Range

	Nominal Cooling (kW)	2.5	3.5	5
 STANDARD (pages 50 and 51)		✓	✓	✓
 SHIROKUMA (pages 52 and 53)		✓	✓	✓

Floor Mounted STANDARD



RAF 25-50RPA



INFRA-RED REMOTE CONTROL*
RAR-5E2



WIRED REMOTE CONTROL**
SPX-RCDB



RAC 25-35FPA



RAC 50FPA

Indoor units

- /// Nominal cooling capacities 2.5kW to 5.0kW
- /// Nominal heating capacities 3.4kW to 6.0kW
- /// High seasonal efficiency: SCOP A+ 4.3 and SEER A+ 6.0
- /// Possible to place the indoor unit in a recess
- /// 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.

* Standard

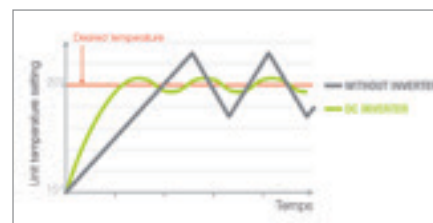
** Optional

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 25-50RPA

STANDARD

Floor Mounted

INDOOR UNITS

		RAF-25RPA	RAF-35RPA	RAF-50RPA
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.1)	3.5 (1.1 - 4.2)	5.0 (1.9 - 5.2)
Sensible Cooling Capacity	kW	2.3	2.9	3.8
UK Cooling Capacity (sensible)	kW	2.1 (1.9)	2.9 (2.5)	4.2 (3.2)
Nominal Heating Capacity (min - max)	kW	3.4 (0.9 - 4.4)	4.2 (1.1 - 5.2)	6.0 (2.2 - 7.3)
Nominal Cooling Power Input (min - max)	kW	0.67 (0.25 - 1.29)	0.94 (0.25 - 1.40)	1.51 (0.50 - 2.10)
Nominal Heating Power Input (min - max)	kW	0.85 (0.25 - 1.25)	1.05 (0.25 - 1.80)	1.66 (0.50 - 2.70)
Seasonal Efficiency SEER ⁽⁴⁾		5.80	6.00	5.86
Energy Efficiency Class		A+	A+	A+
Annual Energy Consumption	kWh/yr	151	202	299
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.30	4.30	4.00
Energy Efficiency Class		A+	A+	A+
Annual Energy Consumption	kWh/yr	774	989	1,518
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.73 / 4.00	3.72 / 4.00	3.31 / 3.61
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	23 / 26 / 32 / 40	25 / 29 / 35 / 42	25 / 30 / 37 / 46
Noise Level Heating (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	23 / 27 / 33 / 40	26 / 30 / 35 / 42	25 / 30 / 37 / 47
Noise level (sound power) ⁽¹⁾	dB(A)	54	56	60
Air flow cooling mode (SL / L / M / H)	m ³ /h	378 / 462 / 540	400 / 485 / 600	430 / 530 / 650
Air flow heating mode (SL / L / M / H)	m ³ /h	408 / 498 / 600	440 / 525 / 600	470 / 570 / 720
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (H x W x D)	mm	600 x 760 x 235	600 x 760 x 235	600 x 760 x 235
Weight	kg	14.0	14.0	14.0
Included drain pump		no	no	no
Power Supply		35 V DC from outdoor unit		
Drain Diameter (ext)		φ16mm	φ16mm	φ16mm
Remote Control	Std	Infra Red	Infra Red	Infra Red
	Opt	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-25FPA	RAC-35FPA	RAC-50FPA
Noise Level Cooling (sound pressure) (night mode) ⁽³⁾	dB(A)	47	48	51
Noise Level Heating (sound pressure) (night mode) ⁽³⁾	dB(A)	49	49	52
Noise level (sound power) ⁽¹⁾	dB(A)	61	62	65
Air flow (Cooling / Heating)	m ³ /h	1860/1620	1920/1620	2160/2160
Dimensions (H x W x D)	mm	548 x 750 x 288	548 x 750 x 288	600 x 792 x 299
Weight	kg	31.0	35.0	40.0
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	5.0	5.0	5.0
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10	20 / 10
Current Quantity of Refrigerant	kg	0.87	1.05	1.25
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	16	16	16
Starting current	A	5.0	5.0	9.0
Running current (cooling / heating)	A	3.43 / 4.11	4.30 / 4.81	6.63 / 7.29
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		Rotary	Rotary	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 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)