

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.



STANDARD

RAF 25 - 50 RPA _____ pages 48 and 49



SHIROKUMA

RAF 25 - 50 PXA _____ pages 50 and 51

FLOOR MOUNTED

EFFICIENT HEATING



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 units in the same range for a uniform interior.



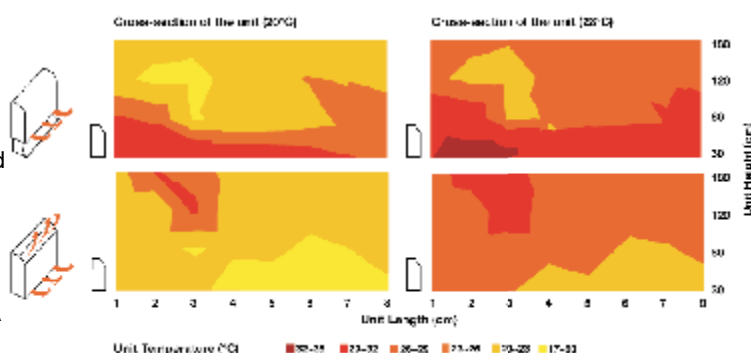
Installation

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 48 and 49)			
	SHIROKUMA (pages 50 and 51)			

FLOOR MOUNTED STANDARD

SCOP
A+

SEER
A+



RAF 25-50RPA



INFRA-RED REMOTE
CONTROL*
RAR-5E2



WIRED REMOTE
CONTROL**
SPX-RCDB



RAC 25-35FPA



RAC 50FPA

Indoor units

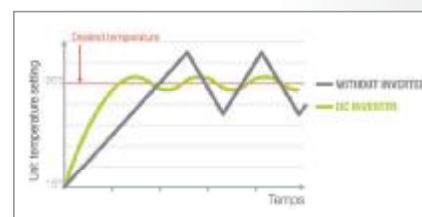
- ✓ Nominal cooling capacities
2.5kW to 5.0kW
- ✓ Nominal heating capacities
3.4kW to 6.0kW
- ✓ High seasonal efficiency:
SCOP A+ 4.3 and SEER A+ 6.0
- ✓ Possible to place the indoor unit
in a recess
- ✓ Possible to lock in heating only mode
- ✓ Volt Free control of the air
conditioning system - can 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.

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

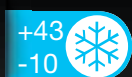
- ✓ DC Inverter Technology: precisely
adjusts the power required to heat a
room ensuring comfort and durability
of the installation.



RAF 25-50RPA

* Standard

** Optional



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 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)	m³/h	378 / 462 / 540	400 / 485 / 600	430 / 530 / 650
Air flow heating mode (SL / L / M / H)	m³/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 (Standard)	Std	Infra Red (RAR-5E2)	Infra Red (RAR-5E2)	Infra Red (RAR-5E2)
	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)	m³/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 mm	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 / 1/2 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

(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)

FLOOR MOUNTED SHIROKUMA

SCOP
A+

SEER
A++



RAF 25-50PXA



**INFRA-RED REMOTE
CONTROL***
RAR-5E4



**WIRED REMOTE
CONTROL****
SPX-RCDB



RAC 25-35FXA



RAC 50FXA

Indoor units

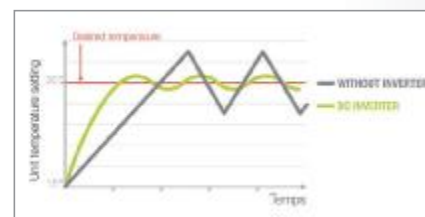
- Nominal cooling capacities
2.5kW to 5.0kW
- Nominal heating capacities
3.4kW to 6.5kW
- High seasonal performance:
SCOP A+ 4.2 and SEER A++ 6.4
- Antibacterial Sanitizing
High-performance deodorising filter
which absorbs dust, mould and other
harmful micro-organisms suppressing
- Possible to lock in 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.

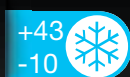
Outdoor units

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



RAF 25-50PXA

* Standard
** Optional



INDOOR UNITS

		RAF-25PXA	RAF-35PXA	RAF-50PXA
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)	m³/h	270/390/510/630	270/390/510/630	300/450/540/720
Air flow heating mode (SL / L / M / H)	m³/h	300/420/540/660	300/420/540/660	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		35 V DC from outdoor unit		
Drain Diameter (ext)		φ16mm	φ16mm	φ16mm
Remote Control (Standard)	Std	Infra Red (RAR-5E4)	Infra Red (RAR-5E4)	Infra Red (RAR-5E4)
	Opt	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-25FXA	RAC-35FXA	RAC-50FXA
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)	m³/h	1860 / 1620	1920 / 1620	1950 / 1750
Dimensions (H x W x D)	mm	590x750x215	590x750x215	600x792x299
Weight	kg	35.0	35.0	42.0
Piping diameter (Liquid / Gas)	Inch mm	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 / 1/2 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	0.87	1.45
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	2.66 / 3.63	4.68 / 5.60	7.16 / 8.17
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

(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)