

Shirokuma console

High-performance equipment with a unique design



Extended airflow

With a **dynamic airflow**, the air can reach every corner of the room. The room is air-conditioned (with heating or cooling air) at the touch of a button on the remote control. (Fig. 1)

Flexibility with the Multizone range

The indoor unit of the Shirokuma console is compatible with all multi-split outdoor units. You can also have multiple indoor units installed in different rooms with a single outdoor unit.

Exceptionally high-performance

The console has an energy rating of A+++. Guaranteed energy savings!

Management options

The console comes with an infrared remote control as standard. It is also compatible with the SPX-WKT4 wired remote control with hourly programming.

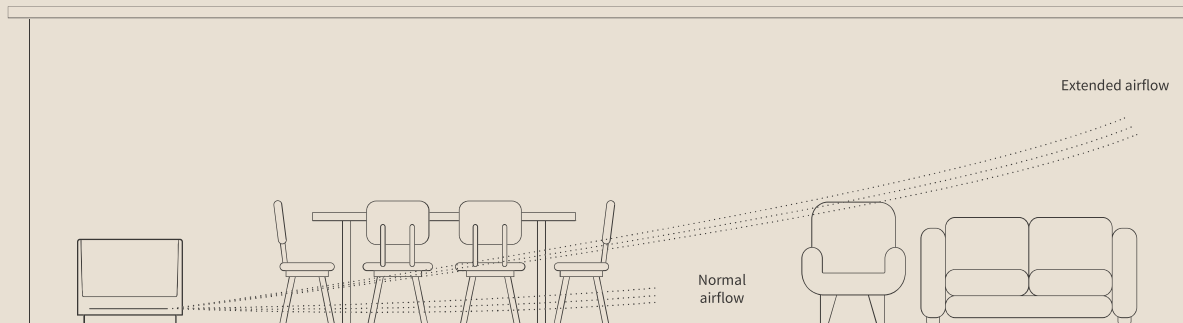
Flexible installation

Wall or floor-mounted on a pedestal (provided).

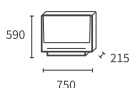
Compatible with airCloud

The entire Hitachi residential range is compatible with the airCloud system, which allows you to control equipment **from any mobile device** acting as a remote control.

Fig. 1

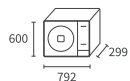


Indoor units

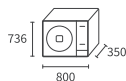


RAF-25RXE
RAF-35RXE
RAF-50RXE

Outdoor units

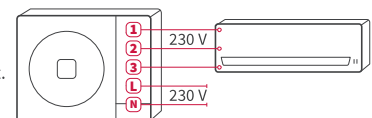


RAC-25FXE
RAC-35FXE



RAC-50FXE

Indoor units are powered at 220-230 V from the outdoor unit.



Shirokuma console

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW
Nominal cooling capacity (min-max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
UK total cooling capacity (UK sensible)	kW	2.50 (2.40)	3.50 (2.97)	5.00 (3.57)
Rated power input Cooling (min-max)	kW	0.54 (0.15 - 1.18)	0.93 (0.15 - 1.38)	1.39 (0.5 - 2.10)
EER	-	4.65	3.75	3.60
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	8.50	8.20	6.80
Working range in Cooling	°C		-10°C / +46°C	
Performance, heating				
Nominal heating capacity (min-max)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Heating capacity at -7°C ⁽¹⁾	kW	3.40	4.20	5.50
Rated power input Heating (min-max)	kW	0.26 (0.15 - 1.12)	1.15 (0.15 - 1.35)	1.58 (0.5 - 2.70)
COP	-	4.50	3.90	3.80
Energy class Heating	-		A++	A+
SCOP (average climate)	-		4.60	4.30
Working range in Heating	°C		-20°C / +24°C	
Indoor units				
	Unit	RAF-25RXE	RAF-35RXE	RAF-50RXE
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	20 / 26 / 31 / 38	20 / 26 / 31 / 39	22 / 29 / 36 / 43
Sound power in Cooling mode	dB(A)	52	53	57
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	270 / 390 / 510 / 630	270 / 390 / 510 / 660	300 / 450 / 540 / 700
Dehumidification	l/h	1.4	1.9	2.8
Dimensions (H x L x D)	mm		590 x 750 x 215	
Net weight	kg		15	
Remote control	-		Weekly infrared (included)	
Outdoor units				
	Unit	RAC-25FXE	RAC-35FXE	RAC-50FXE
Sound pressure in cooling mode ⁽²⁾	dB(A)	45	47	51
Sound power in Cooling mode	dB(A)	59	61	65
Airflow (Cooling / Heating)	m ³ /h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x L x D)	mm		600 x 792 x 299	736 x 800 x 350
Net weight	kg		37	51
Compressor	-		Rotary	
Refrigeration characteristics				
Diameter of pipes (Liq / Gas)	inches		1/4" / 3/8"	1/4" / 1/2"
Condensate outlet diameter (ext)	mm		16	
Initial refrigerant charge	kg		0.98	1.2
Pre-charged for	m		20	30
Min. length	m		3	
Max. length / Additional charge	m/g/m		20 / -	30 / -
Max. level difference (outdoor unit above / outdoor unit below)	m		10/10	
Refrigerant	-		R32	
Electrical features				
Power supply	V/Ph/Hz		230V / 1Ph / 50Hz	
Max. current	A	5	7	12
Recommended fuse size	A		15	25
Cable width (EN 60 335-1) ⁽³⁾	mm ²		2 x 1.50 + E	2 x 2.50 + E
Indoor/outdoor connection (shielded)	mm ²		3 x 1.50 + E	3 x 2.50 + E

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogues.

⁽²⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalogue).

⁽³⁾ Data shown is for indication purpose only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.

Controls and compatible accessories (see page 161)



Infrared remote control
RAR-6NE4
Included



Wired standard remote control
SPX-RCDB1

Other (price excluding taxes):

- Control box for multi-indoor units SPX-DST1 + SPX-WDST8M
- interface airCloud Home SPX-WFG02
- Hi-Box AHP-SMB-01
- Hi Kumo interface for Hi-Box SPX-TAG01
- Single dry contact kit SPX-WDC3
- Leak sensor SPX-RAFGLS



Wired programmable remote control
SPX-WKT4



H-Link box
PSC-6RAD