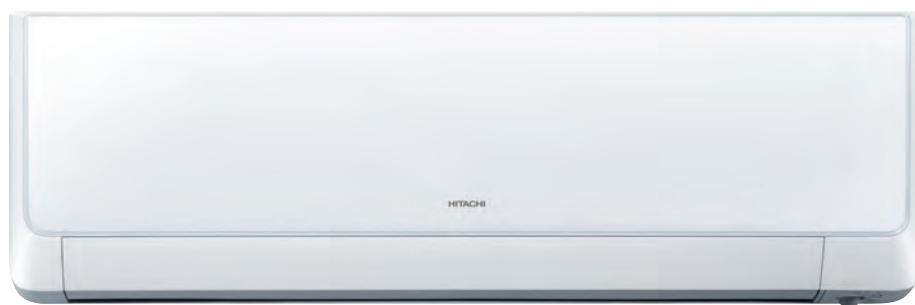


—
wall unit
Mono-split



S-Premium



Shirokuma



Performance



Summit



Light Commercial



Utopia Prime wall unit

NEW



Selection guide

Indoor units	 R32 REFRIGERANT											
	Refrigerant	Performance	Compatible with airCloud for Home	Ultra compact	Weekly programming	4-way Swing	Motion sensor	FrostWash	Down to -15°C	Self-cleaning filter robot	SCOP	SEER
S-Premium wall unit  Mono (2.5 - 3.5 and 5.0 kW)		++++	•	-	•	•	•	•	•	•	5.10	9.00
Shirokuma wall unit  Mono/Multi (2.5 - 3.5 and 5.0 kW)		++++	•	-	•	•	•	•	•	-	5.20	8.70
Performance wall unit  Mono/Multi (2.5 - 3.5 - 4.2 and 5.0 kW)		+++	•	•	•	•	•	•	-	-	4.90	8.50
Summit wall unit  Mono/Multi (1.8 - 2.5 - 3.5 and 5.0 kW)		++	•	•	Option	-	-	•	-	-	4.30	6.10
Light comercial wall unit 		+++	•	-	•	•	•	-	-	-	4.60	7.30
Utopia Prime wall unit  NEW	 	-	-	-	Option	-	-	-	-	-	-	-

S-Premium

For better air quality throughout the year, combining several exclusive and innovative features



FrostWash

Automatically and regularly cleans the heat exchanger to emit pure, clean air. (Fig.1)

Stainless Clean

The S-Premium indoor unit is made of stainless steel, which reduces dust accumulation by 51% compared to plastic indoor units.

Auto filter Clean

Filters capture and dispose of ultrafine particles such as allergens and pollutants.

Fig. 1

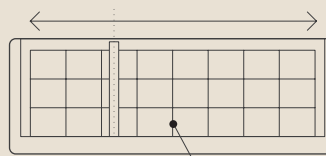
Frost mode 20 min



Filter

Frosting of the indoor unit exchanger.

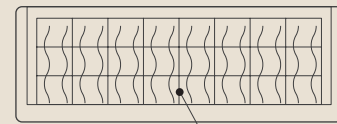
Defrosting and cleaning 1 min



Filter

Cleaning the exchanger by defrosting.

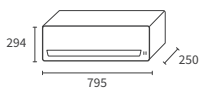
Drying mode up to 60 min



Filter

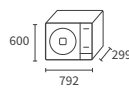
Drying the exchanger.

Indoor units

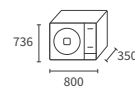


RAK-25PSEW RAK-35PSES
RAK-25PSES RAK-50PSEW
RAK-35PSEW RAK-50PSES

Outdoor units



RAC-25WSE
RAC-35WSE



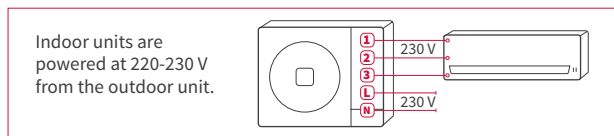
RAC-50WSE

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW
Nominal cooling capacity (min-max)	kW	2.50 (0.50 - 3.40)	3.50 (0.50 - 4.10)	5.00 (1.90 - 5.20)
UK cooling capacity (UK sensible)	kW	2.50 (2.13)	3.35 (2.51)	4.77 (3.24)
Rated power input Cooling (min-max)	kW	0.490 (0.300 - 0.920)	0.778 (0.350 - 1.350)	1.389 (0.400 - 1.820)
EER	-	5.10	4.50	3.60
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	9.00		7.50
Working range in Cooling	°C	-10°C / +43°C		
Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW
Nominal heating capacity (min-max)	kW	3.20 (0.60 - 5.80)	4.00 (0.60 - 6.60)	6.00 (2.20 - 7.00)
Heating capacity at -7°C ⁽¹⁾	kW	3.20	3.90	5.40
Rated power input Heating (min-max)	kW	0.621 (0.440 - 1.500)	0.800 (0.500 - 2.000)	1.622 (0.600 - 2.650)
COP	-	5.15	5.00	3.70
Energy class Heating	-	A+++		A++
SCOP (average climate)	-	5.10		4.70
Working range in Heating	°C	-20°C / +24°C		
Indoor units	Unit	RAK-25PSE(W/S)	RAK-35PSE(W/S)	RAK-50PSE(W/S)
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	22 / 28 / 34 / 41	22 / 29 / 36 / 43	25 / 31 / 38 / 46
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	22 / 28 / 34 / 42	22 / 29 / 36 / 44	25 / 31 / 38 / 48
Sound power in Cooling mode	dB(A)	55	57	60
Airflow in Cooling mode (EL / L / M / H)	m³/h	270 / 320 / 420 / 510	270 / 340 / 440 / 540	300 / 400 / 490 / 590
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (H x L x D)	mm	294 x 795 x 250	294 x 795 x 250	294 x 795 x 250
Net weight	kg	11		
Remote control	-	Weekly infrared (included)		
Outdoor units	Unit	RAC-25WSE	RAC-35WSE	RAC-50WSE
Sound pressure in Cooling mode ⁽²⁾	dB(A)	47	48	51
Sound power in Cooling mode	dB(A)	61	62	65
Airflow (Cooling / Heating)	m³/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		2-cylinder rotary
Refrigeration characteristics	Unit	RAC-25WSE	RAC-35WSE	RAC-50WSE
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"
Initial refrigerant charge	kg	0.98		1.3
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	Unit	RAC-25WSE	RAC-35WSE	RAC-50WSE
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		
Operating current (Cooling / Heating)	A	2.26 / 2.85	3.56 / 3.65	6.33 / 7.38
Recommended fuse size	A	15	15	25
Cable width (EN 60 335-1) ⁽³⁾	mm²	1.50 x 2 + E		2.50 x 2 + E
Indoor/outdoor connection (shielded)	mm²	1.50 x 3 + E		2.50 x 3 + 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-6NE1

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
- Single fault report kit SPX-WDC7 + HA-S100TSA



Wired programmable remote control

SPX-WKT4



H-Link box

PSC-6RAD

Shirokuma

When power goes hand in hand with comfort



Motion sensor

Technology that saves you money – with a motion sensor to continuously analyze the presence of people in the room.

If there is no detection after 20 min, the setpoint is shifted by one degree; after 40 min it shifts one degree again. (Fig. 1)

4-Way Swing

Because the blades move both vertically and horizontally, the air is distributed more uniformly, improving the level of comfort in the room. (Fig. 2)

Low noise level

Our Shirokuma indoor units were designed to work at low noise levels from 20dB(A), to keep them completely discreet.

Constant Power technology

The CONSTANT POWER solution has been specially developed by HITACHI.

It improves the performance of your heat pump and maintains its heating power down to an outside temperature of -15°C and ensures heating down to -20°C . (Fig. 3)

Double fan blade

For a pleasant and improved air flow in the living room, the Shirokuma unit is equipped with a double fan blade. This double blade discreetly ensures a comfortable flow of air, avoiding the unpleasantness of a 'swinging fan'.

FrostWash technology

The Shirokuma is designed to offer you effective air purification throughout the year with its exclusive and innovative functionality: FrostWash. Automatically and regularly cleans the heat exchanger to emit pure, clean air.

Ultra performance filtration

STAINLESS prefilters and Active Carbon filters as standard. The Active Carbon filter with silver ions (known for their antibacterial properties) acts by adsorption. This retains certain gas molecules or suspended particles on the surface of the filter. The air that comes out of the filter is then free of odors and pollutants.

Fig. 1

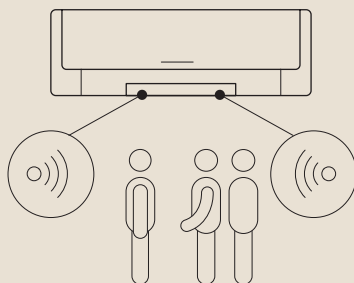


Fig. 2

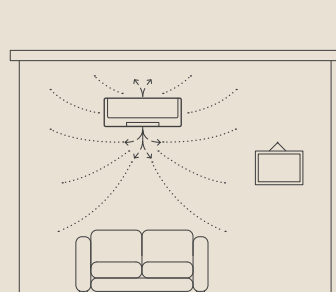
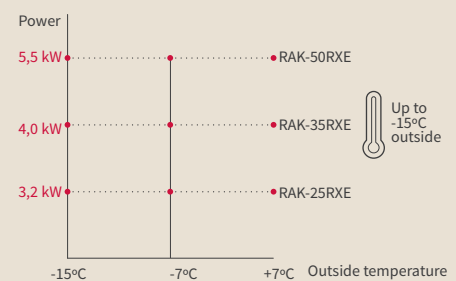
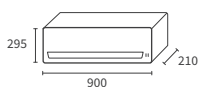


Fig. 3

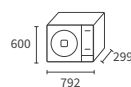


Indoor units

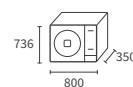


RAK-25RXE
RAK-35RXE
RAK-50RXE

Outdoor units



RAC-25WXE
RAC-35WXE



RAC-50WXE

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 (1.90 - 5.20)
UK cooling capacity (UK sensible)	kW	2.38 (2.09)	3.33(2.70)	4.76 (3.50)
Rated power input Cooling (min-max)	kW	0.481 (0.25 - 1.00)	0.814 (0.25 - 1.40)	1.397 (0.50 - 2.10)
EER	-	5.20	4.30	3.58
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	8.50	8.70	7.50
Working range in Cooling	°C	-10°C /+ 43°C		

Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW
Nominal heating capacity (min-max)	kW	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.2 - 7.00)
Heating capacity at -7°C ⁽¹⁾	kW	3.20	4.00	5.50
Rated power input Heating (min-max)	kW	0.593 (0.25 - 1.20)	0.800 (0.25 - 1.60)	1.415 (0.50 - 2.70)
COP	-	5.40	5.00	4.10
Energy class Heating	-	A+++		A++
SCOP (average climate)	-	5.20		4.70
Working range in Heating	°C	-20°C /+ 21°C		

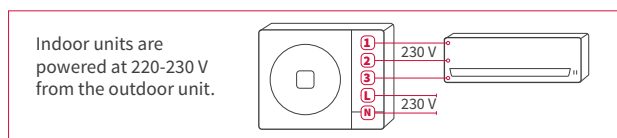
Indoor units	Unit	RAK-25RXE	RAK-35RXE	RAK-50RXE
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	20 / 27 / 35 / 43	22 / 29 / 37 / 45	25 / 31 / 39 / 47
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	20 / 28 / 36 / 43	22 / 30 / 37 / 45	25 / 31 / 39 / 48
Sound power in Cooling mode	dB(A)	58	60	
Airflow in Cooling mode (EL / L / M / H)	m³/h	300 / 330 / 510 / 600	320 / 340 / 520 / 660	350 / 400 / 580 / 720
Dehumidification	l/h	1.4	1.6	2
Dimensions (H x L x D)	mm	295 x 900 x 210		
Net weight	kg	11		
Remote control	-	Weekly infrared (included)		

Outdoor units	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Sound pressure in Cooling mode ⁽²⁾	dB(A)	47	48	51
Sound power in Cooling mode	dB(A)	61	62	65
Airflow (Cooling / Heating)	m³/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	37.5		51
Compressor	-	Rotary		2-cylinder rotary

Refrigeration characteristics	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"
Initial refrigerant charge	kg	0.98		1.3
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	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		
Operating current (Cooling / Heating)	A	1.09 - 4.35 / 1.09 - 5.22	1.09 - 6.09 / 1.09 - 6.96	2.17 - 9.13 / 2.17 - 11.74
Recommended fuse size	A	25	25	25
Cable width (EN 60 335-1) ⁽³⁾	mm²	1.50 x 2 + E		2.50 x 2 + E
Indoor/outdoor connection (shielded)	mm²	1.50 x 3 + E		2.50 x 3 + 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-6NE1
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
 - Single error report kit SPX-WDC7 + HA-S100TSA

Wired programmable remote control
SPX-WKT4

H-Link box
PSC-6RAD

Performance

Compact size and high performance



Ultra-compact

The most compact unit of the range, with an overall width of 78 cm. It will fit perfectly into any room and can easily be installed above a doorway. (Fig.3)

4-Way Swing

Because the blades move both vertically and horizontally, the air is distributed more uniformly, improving the level of comfort in the room. (Fig. 1)

Motion sensor

Technology that saves you money – with a motion sensor to continuously analyze the presence of people in the room. If there is no detection after 20 min, the setpoint is shifted by one degree; after 40 min it shifts one degree again. (Fig. 2)

Compatible with the airCloud remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

FrostWash technology

The Performance is designed to offer you effective air purification throughout the year with its exclusive and innovative functionality: FrostWash. Automatically and regularly cleans the heat exchanger to emit pure, clean air.

Silent operation

With a low noise level of just 20 dB(A)*, you can enjoy a comfortable environment without noticing that the indoor unit is even running.

Active Carbon filter

The Active Carbon filter with silver ions (known for their antibacterial properties) acts by adsorption. This retains certain gas molecules or suspended particles on the surface of the filter. The air that comes out of the filter is then free of odors and pollutants.

Fig. 1

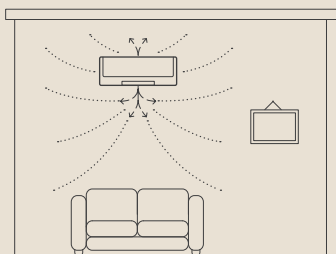


Fig. 2

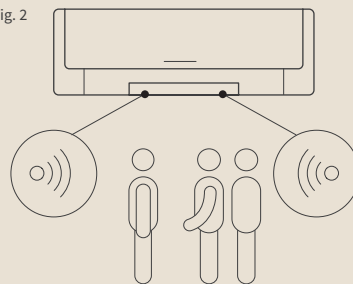
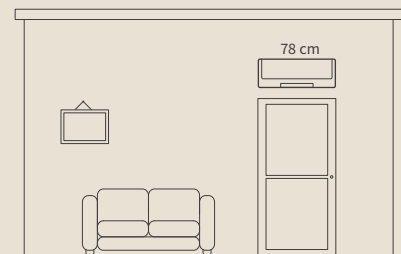
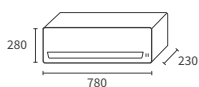


Fig. 3

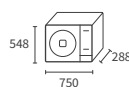


Indoor units

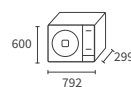


RAK-18RPE
RAK-25RPE
RAK-35RPE
RAK-42RPE
RAK-50RPE

Outdoor units



RAC-18WPE
RAC-25WPE
RAC-35WPE



RAC-42WPE
RAC-50WPE

*20dB(A) acoustic pressure at low fan speeds.

Performance

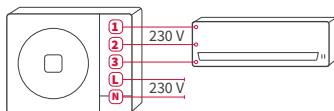
Performance, cooling	Unit	1.8 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW
Nominal cooling capacity (min-max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	4.20 (1.70 - 5.00)	5.00 (1.90 - 5.20)
UK cooling capacity (UK sensible)	kW	1.91 (1.79)	2.38 (1.89)	3.33 (2.24)	4.00 (3.00)	4.76 (3.17)
Rated power input Cooling (min-max)	kW	0.419 (0.25 - 1.01)	0.549 (0.25 - 1.29)	0.941 (0.25 - 1.46)	1.120 (0.30 - 1.70)	1.471 (0.30 - 2.10)
EER	-	4.77	4.55	3.72	3.75	3.40
Energy class Cooling	-	A+++		A++		
SEER (average climate)	-	8.50		7.80	7.50	7.35
Working range in Cooling	°C	-10°C / +43°C				
Performance, heating						
Nominal heating capacity (min-max)	kW	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	5.40 (1.7 - 6.00)	6.00 (2.2 - 7.30)
Heating capacity at -7°C ⁽¹⁾	kW	2.30	3.00	3.40	3.80	4.10
Rated power input Heating (min-max)	kW	0.519 (0.25 - 0.97)	0.733 (0.25 - 1.50)	1.000 (0.25 - 1.70)	1.317 (0.50 - 2.10)	1.558 (0.50 - 2.75)
COP	-	4.82	4.64	4.20	4.10	3.85
Energy class Heating	-	A++				
SCOP (average climate)	-	4.90		4.60		
Working range in Heating	°C	-15°C / +21°C				
Indoor units		RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	25 / 28 / 39 / 46	25 / 28 / 39 / 46
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	19 / 22 / 33 / 38	20 / 23 / 34 / 41	26 / 27 / 36 / 44	27 / 31 / 39 / 46	25 / 28 / 39 / 46
Sound power in Cooling mode	dB(A)	51	54	57	60	60
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	312 / 350 / 400 / 440	333 / 370 / 430 / 510	353 / 420 / 485 / 680	353 / 410 / 540 / 720	353 / 410 / 540 / 720
Dehumidification	l/h	1.2	1.4	1.6	1.8	2
Dimensions (H x L x D)	mm	280 x 780 x 230				
Net weight	kg	8.5				
Remote control	-	Weekly infrared (included)				
Outdoor units	Unit	RAC-18WPE	RAC-25WPE	RAC-35WPE	RAC-42WPE	RAC-50WPE
Sound pressure in Cooling mode ⁽²⁾	dB(A)	44	46	48	49	49
Sound power in Cooling mode	dB(A)	58	60	61	63	63
Airflow (Cooling / Heating)	m ³ /h	1860 / 1620		1920 / 1620		2160 / 2160
Dimensions (H x L x D)	mm	548 x 750 x 288			600 x 792 x 299	
Net weight	kg	32.5			39	
Compressor	-	Rotary				
Refrigeration characteristics						
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"	
Initial refrigerant charge	kg	0.870			1.050	
Pre-charged for	m	20			3	
Min. length	m	20			-	
Max. length / Additional charge	m/g/m	20 / -			10 / 10	
Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10			-	
Refrigerant	-	R32				
Electrical features						
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				
Operating current (Cooling / Heating)	A	1.09 - 4.39 / 1.09 - 4.22	1.09 - 5.61 / 1.09 - 6.52	1.09 - 6.35 / 1.09 - 7.39	1.30 - 7.39 / 2.17 - 8.70	1.30 - 8.70 / 2.17 - 11.96
Recommended fuse size	A	15	15	15	25	25
Cable width (EN 60 335-1) ⁽³⁾	mm ²	1.50 x 2 + E			2.50 x 2 + E	
Indoor/outdoor connection (shielded)	mm ²	1.50 x 3 + E			2.50 x 3 + E	

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

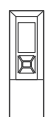
⁽²⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalogue).

⁽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.

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



Controls and compatible accessories (see page 161)



Infrared remote control

RAR-6NE1

Included



Wired standard remote control

SPX-RCDB1



Wired programmable remote control

SPX-WKT4



H-Link box

PSC-6RAD

Other (price excluding taxes):

- Control box for multi-indoor units
SPX-DST1 + SPX-WDST8M

- interface airCloud Home SPX-WFG02

- Hi-Box AHP-SMB-01

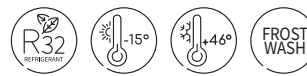
- Hi Kumo interface for Hi-Box SPX-TAG01

- Single dry contact kit SPX-WDC3

- Single error report kit SPX-WDC7 + HA-S100TSA

Summit

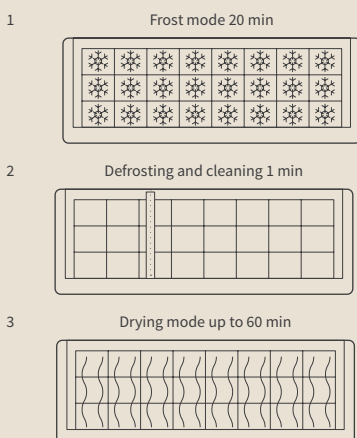
Simple yet effective



Exclusive and innovative solution, FrostWash*

to distribute clean air.

*FrostWash stages



Compatible with the airCloud remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

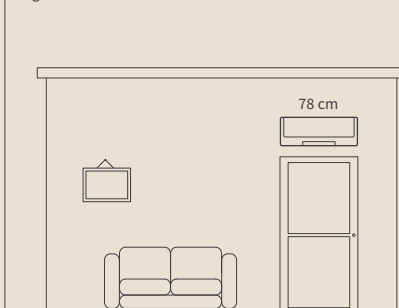
Maximum use of space

Thanks to its small size, you can install it discreetly. With a width of 780 mm, it will fit anywhere, including above a doorway. (Fig. 1)

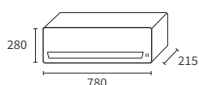
Silent operation

With a low noise level of just 19dB*, you can enjoy a comfortable environment without noticing that the indoor unit is even running.

Fig. 1



Indoor units

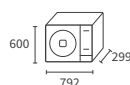


RAK-18REF
RAK-25REF
RAK-35REF
RAK-50REF

Outdoor units



RAK-18WEF
RAK-25WEF
RAK-35WEF

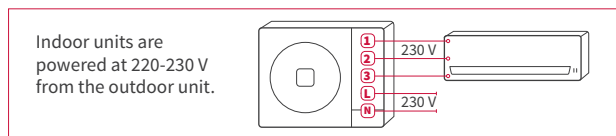


RAC-50WEF

* Refer to your model.

Performance, cooling	Unit	1.8 kW	2.5 kW	3.5 kW	5.0 kW
Nominal cooling capacity (min-max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
UK cooling capacity (UK sensible)	kW	2.00 (1.93)	2.50 (2.21)	2.84 (2.26)	3.83 (2.58)
Rated power input Cooling (min-max)	kW	0.58 (0.25 - 1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)
EER	-	3.45	3.57	3.21	
Energy class Cooling	-			A++	
SEER (average climate)	-			6.10	
Working range in Cooling	°C		-10°C / + 46°C		
Performance, heating					
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)
Heating capacity at -7°C ⁽¹⁾	kW	2.00	2.50	3.00	4.00
Rated power input Heating (min-max)	kW	0.62 (0.25 - 0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66 (0.50 - 2.75)
COP	-	4.03	3.86	3.82	3.61
Energy class Heating	-			A+	
SCOP (average climate)	-		4.20		4.30
Working range in Heating	°C		-15°C / + 21°C		
Indoor units					
	Unit	RAK-18REF	RAK-25REF	RAK-35REF	RAK-50REF
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	28 / 30 / 40 / 46
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	19 / 22 / 33 / 38	20 / 23 / 34 / 41	26 / 27 / 36 / 44	25 / 30 / 39 / 47
Sound power in Cooling mode	dB(A)	52	54	57	60
Airflow in Cooling mode (EL / L / M / H)	m³/h	312 / 350 / 400 / 440	333 / 370 / 430 / 510	333 / 400 / 485 / 600	333 / 450 / 600 / 700
Dehumidification	l/h	1.2	1.4	1.6	2
Dimensions (H x L x D)	mm	280 x 780 x 215			
Net weight	kg	7.7			8.2
Remote control	-	Infrared (included)			
Outdoor units					
	Unit	RAC-18WEF	RAC-25WEF	RAC-35WEF	RAC-50WEF
Sound pressure in Cooling mode ⁽²⁾	dB(A)	45	47	48	50
Sound power in Cooling mode	dB(A)	59	61	62	64
Airflow (Cooling / Heating)	m³/h	1860 / 1620		2160 / 2160	
Dimensions (H x L x D)	mm	530 x 660 x 278			600 x 792 x 299
Net weight	kg	23.7		25.0	39.5
Compressor	-	Rotary			Double twin rotary
Refrigeration characteristics					
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"
Initial refrigerant charge	kg	0.53		0.70	0.93
Pre-charged for	m	20			
Min. length	m	3			
Max. length / Additional charge	m/g/m	20 / -			
Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10			
Refrigerant	-	R32			
Electrical features					
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			
Operating 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
Recommended fuse size	A	15	15	15	25
Cable width (EN 60 335-1) ⁽³⁾	mm²	1.50 x 2 + E			2.50 x 2 + E
Indoor/outdoor connection (shielded)	mm²	1.50 x 3 + E			2.50 x 3 + 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-7PE1
Included



Wired standard remote control
SPX-RCDB1



Wired programmable remote control
SPX-WKT4



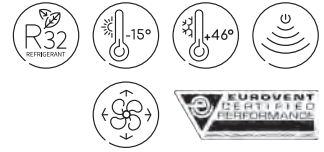
H-Link box
PSC-6RAD

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
- Single error report kit SPX-WDC7 + HA-S100TSA

Light commercial wall mount

Multiple features to fit any setup



4-Way Swing

Because the blades move both vertically and horizontally, the air is distributed more uniformly, improving the level of comfort in the room. (Fig. 1)

Motion sensor

Technology that saves you money – with a motion sensor to continuously analyze the presence of people in the room.

If there is no detection after 20 min, the setpoint is shifted by one degree; after 40 min it shifts one degree again. (Fig. 2)

Improved comfort

With the SPX-WKT4 remote control, you can choose where to measure the setting temperature (at the remote control or the return or using the average of both readings). This feature improves the level of comfort in the room.

Flexible installation

With a 30 m long pipe run between the indoor unit and the outdoor unit, this indoor unit can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m.

Compatible with the airCloud remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

A compact indoor unit

This indoor unit measures only 900 mm wide, so it can be installed anywhere without interfering with other elements in the room.

Fig. 1

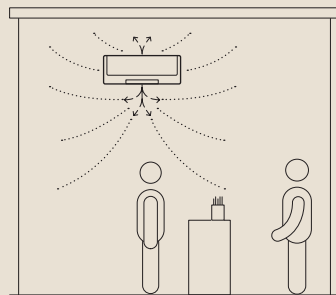
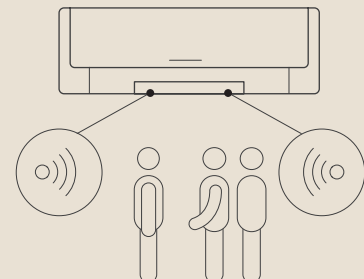
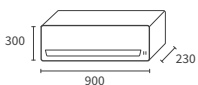


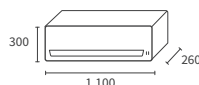
Fig. 2



Indoor units



RAK-50RPE1
RAK-60RPE

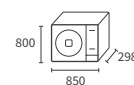


RAK-70PPD

Outdoor units



RAC-50NPE
RAC-60NPE



RAC-70NPD

Performance, cooling	Unit	5.0 kW	6.0 kW	7.0 kW
Nominal cooling capacity (min-max)	kW	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)	7.00 (1.50 - 8.00)
UK cooling capacity (UK sensible)	kW	4.71 (3.30)	5.30 (3.67)	5.54 (4.49)
Rated power input Cooling (min-max)	kW	1.42 (0.30 - 2.500)	1.71 (0.30 - 2.65)	2.00 (0.50 - 2.70)
EER	-	3.52	3.51	3.50
Energy class Cooling	-		A++	
SEER (average climate)	-	7.30	6.50	7.00
Working range in Cooling	°C		-15°C / +46°C	
Performance, heating				
Nominal heating capacity (min-max)	kW	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)	8.00 (1.50 - 8.50)
Heating capacity at -7°C ⁽¹⁾	kW	4.20	4.80	5.80
Rated power input Heating (min-max)	kW	1.50 (0.30 - 2.650)	1.84 (0.30 - 2.65)	2.10 (0.50 - 2.80)
COP	-	4.00	3.80	3.81
Energy class Heating	-	A++	A+	A++
SCOP (average climate)	-	4.60	4.20	4.60
Working range in Heating	°C		-15°C / +24°C	
Indoor units				
	Unit	RAK-50RPE1	RAK-60RPE	RAK-70PPD
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	26 / 33 / 39 / 47	30 / 33 / 42 / 48	30 / 35 / 42 / 47
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	26 / 33 / 39 / 47	33 / 34 / 42 / 49	30 / 36 / 42 / 47
Sound power in Cooling mode	dB(A)		60	
Airflow in Cooling mode (EL / L / M / H)	m³/h	310 / 410 / 570 / 720	480 / 540 / 690 / 930	510 / 630 / 870 / 1020
Dehumidification	l/h		2.8	4.8
Dimensions (H x L x D)	mm		300 x 900 x 230	300 x 1100 x 260
Net weight	kg		12.0	15.0
Remote control	-		Not included	
Outdoor units				
	Unit	RAC-50NPE	RAC-60NPE	RAC-70NPD
Sound pressure in Cooling mode ⁽²⁾	dB(A)		50	52
Sound power in Cooling mode	dB(A)		65	67
Airflow (Cooling / Heating)	m³/h		2160 / 2160	2700 / 2700
Dimensions (H x L x D)	mm		750 x 850 x 298	800 x 850 x 298
Net weight	kg		50	52
Compressor	-		Rotary	
Refrigeration characteristics				
Diameter of pipes (Liq / Gas)	inches		1/4" / 1/2"	1/4" / 5/8"
Initial refrigerant charge	kg		1.5	1.6
Pre-charged for	m		30	
Min. length	m		3	
Max. length / Additional charge	m/g/m		30 / -	
Max. level difference (outdoor unit above / outdoor unit below)	m		20 / 20	
Refrigerant	-		R32	
Electrical features				
Power supply	V/Ph/Hz		230V / 1Ph / 50Hz	
Operating current (Cooling / Heating)	A	5.98-6.52 / 6.31-6.89	7.20-7.85 / 7.74-8.45	8.42-9.18 / 8.84-9.64
Recommended fuse size	A	20	20	20
Cable width (EN 60 335-1) ⁽³⁾	mm²		2.50 x 2 + E	
Indoor/outdoor connection (shielded)	mm²		1.50 x 3 + E	

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

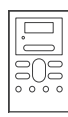
⁽²⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalogue).

⁽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
SPX-RCKA2



Wired standard remote control
SPX-RCDB1

Other (price excluding taxes):

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



Wired programmable remote control
SPX-WKT4



H-Link box
PSC-6RAD

— Console Mono-split

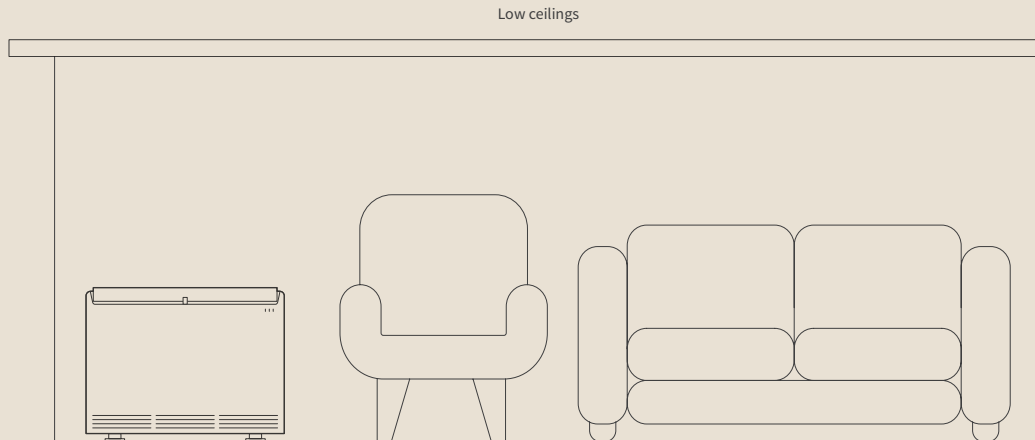


1 A unique design designed to fit into any room.



It is designed to be as inconspicuous as possible, and this unit can even be built-in.

2 The ideal unit for small spaces



Very compact, consoles are particularly suitable for installation in smaller rooms.

3 Greater thermal comfort

The distribution of warm air to the lower part of the room allows it to quickly reach and maintain the desired temperature.





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.

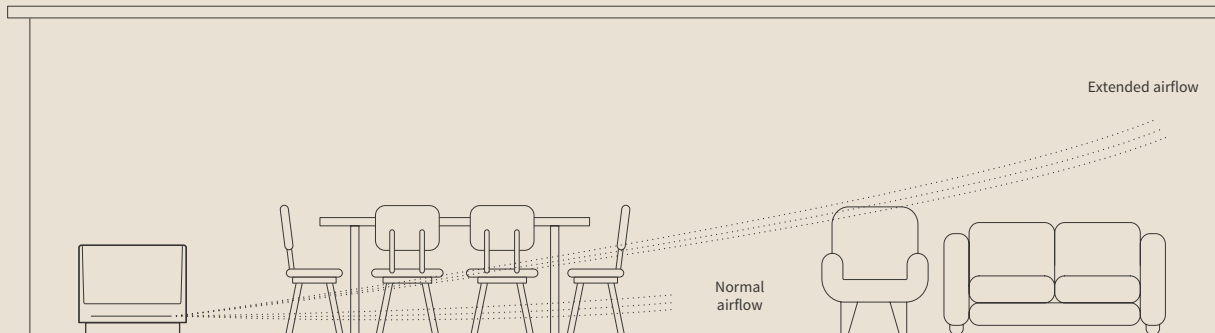
Flexible installation

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

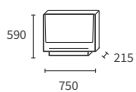
Compatible with airCloud

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

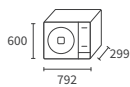


Indoor units

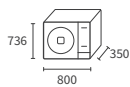


RAF-25RXE
RAF-35RXE
RAF-50RXE

Outdoor units

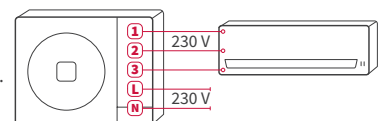


RAC-25FXE
RAC-35FXE



RAC-50FXE

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



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	Unit	2.5 kW	3.5 kW	5.0 kW
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	Unit	2.5 kW	3.5 kW	5.0 kW
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	Unit	2.5 kW	3.5 kW	5.0 kW
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



Wired programmable remote control

SPX-WKT4



H-Link box

PSC-6RAD

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

This ducted unit is the solution for both comfort and aesthetics. With this type of system, the diffusers are the only visible elements in a room, so it blends in nicely with any interior design.

With its zoning solution, the ducted unit can air-condition and heat several rooms from a single indoor unit. This solution is ideal for public but also residential buildings wherever discretion is key. Our wide range of R410A and R32 products have everything you need for your projects.



Ducted unit Mono-split



Selection guide

Light Commercial R32 ducted



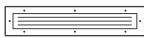
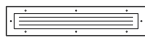
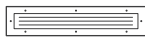
Primary R32



Utopia Prime ducted unit

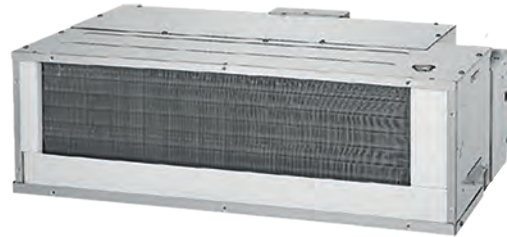
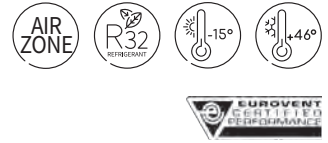


NEW

	Light Commercial R32 ducted	Primary R32	Utopia Prime ducted unit
			 NEW
Refrigerant	R32	R32	R410A and R32
Type of heat pump	Mono-split	Mono-split	Mono-split
Applications	Residential Small public buildings	Business Public	Residential Shared residential Business Public
Rated power, cooling (kW)	2.5 3.5 5.0 6.0 7.0	6.9 8.5 10.1 12.5 14.1 17.1	7.1 10.0 12.5 14.0
Supply voltage	Single-phase	Single-phase (3/3.5/4/5/6 HP) Three-phase (5/6/6.5 HP)	Single-phase (3 to 6 HP) Three-phase (4 to 6 HP)
COP up to	4.00	3.75	4.03
Heating / Cooling	A+ / A++	A / A++	A+ / A++
Heating down to	-15°C	-15°C	-20°C
Cooling up to	+46°C	+48°C	+46°C
Max. static pressure up to	150 Pa	120 Pa	150 Pa
Max. length/level difference (m) outdoor unit indoor unit up to	30 / 20	50 / 30	75 / 30

R32 Light commercial ducted unit

The discrete and high-performance high-end solution



Condensate pump included

So you don't have to worry about adding more expense to the installation, the ducted unit incorporates its own pumps to automatically remove condensation. (Fig. 1)

Static high pressure

The ducted has a pressure of 150 Pa so you can install it just where you want it and the user does not have to worry about enough air getting to the furthest room.

Flexible installation

With a 30 m long pipe run between the indoor unit and the outdoor unit, this indoor unit can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m.

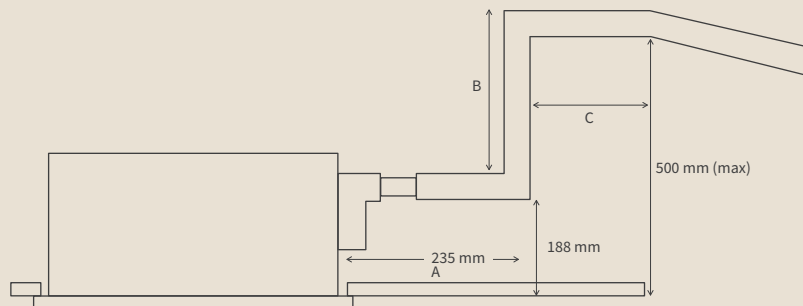
Compatible with the airCloud for Home remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

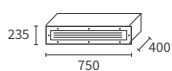
Compatible with Airzone

With a single ducted unit, the user can control up to 6 rooms separately thanks to Airzone motorized plenums that fit directly onto the Hitachi units. This level of compatibility means you are free to use the full range of Airzone air regulation of Airzone products.

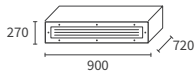
Fig. 1



Indoor units

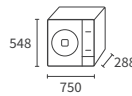


RAD-25RPE
RAD-35RPE

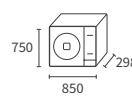


RAD-50RPE
RAD-60RPE
RAD-70PPD

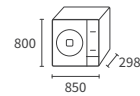
Outdoor units



RAC-25NPE
RAC-35NPE



RAC-50NPE
RAC-60NPE



RAC-70NPD

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Nominal cooling capacity (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)	7.00 (1.50 - 8.00)
UK total cooling capacity (UK sensible)	kW	1.60 (1.37)	3.50 (2.44)	4.77 (3.83)	5.24 (3.69)	6.64 (5.09)
Rated power input Cooling (min-max)	kW	0.595 (0.25 - 1.29)	0.945 (0.25 - 1.46)	1.42 (0.30 - 2.50)	1.71 (0.30 - 2.60)	2.11 (0.50 - 2.70)
EER	-	4.20	3.70	3.52	3.51	3.32
Energy class Cooling	-	A++				
SEER (average climate)	-	6.20	6.50	6.20	6.10	6.10
Working range in Cooling	°C	-10°C / +46°C			-15°C / +46°C	

Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Nominal heating capacity (min-max)	kW	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)	8.00 (1.50 - 8.50)
Heating capacity at -7°C ⁽¹⁾	kW	2.50	3.20	4.20	5.00	5.50
Rated power input Heating (min-max)	kW	0.875 (0.25 - 1.50)	1.260 (0.25 - 1.92)	1.57 (0.30 - 2.65)	1.84 (0.30 - 2.65)	2.20 (0.50 - 2.80)
COP	-	4.00	3.81	3.82	3.80	3.64
Energy class Heating	-	A+				
SCOP (average climate)	-	4.30			4.00	
Working range in Heating	°C	-15°C / +24°C				

Indoor units	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	30 / 33 / 37 / 41			29 / 32 / 35 / 39	
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	30 / 34 / 38 / 42			29 / 32 / 35 / 40	
Sound power in Cooling mode	dB(A)	57			53	
Static pressure (L / M / H)	Pa	- / - / 70			50 / 100 / 150	
Airflow in Cooling mode (EL / L / M / H)	m³/h	330 / 390 / 450 / 510			350 / 540 / 800 / 1140	
Dehumidification	l/h	1.4	1.6	2.8	4.8	
Dimensions (H x L x D)	mm	235 x 750 x 400			270 x 900 x 720	
Net weight	kg	16			35	
Condensate pump	-	Included				
Remote control	-	Not included (SPX-RCKA1 / SPX-RCDA1 / SPX-WKT4)				

Outdoor units	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Sound pressure in Cooling mode ⁽²⁾	dB(A)	48			50	
Sound power in Cooling mode	dB(A)	61			65	
Airflow (Cooling / Heating)	m³/h	1920 / 1620			2160 / 2160	
Dimensions (H x L x D)	mm	548 x 750 x 288			750 x 850 x 298	
Net weight	kg	32.5			50	
Compressor	-	Rotary				

Refrigeration characteristics	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"	
Initial refrigerant charge	kg	0.86			1.50	
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			20 / 20	
Refrigerant	-	R32				

Electrical features	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				
Max. current	A	15			20	
Recommended fuse size	A	15			20	
Cable width (EN 60 335-1) ⁽³⁾	mm²	2 x 1.50 + E			2 x 2.50 + E	
Indoor/outdoor connection (shielded)	mm²	3 x 1.50 + E				

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogues.
⁽²⁾ Sound pressure measurements were made 1.5 meters 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.

Part number	Description	Length	Height	Depth	Compatibility	Number of ductwork connections
PIM1SOURADNH	STANDALONE SUPPLY PLENUM M1 2XD200	720	200	300 + 50	RAD-18QPE* / RAD 25-35RPE	2 x 200
PIM1REPRADNH	STANDALONE RETURN PLENUM M1 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1REPRADNHFF	STANDALONE RETURN PLENUM M1 filter door 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1SOURADDH	STANDALONE SUPPLY PLENUM M1 3XD200	810	225	250 + 50	RAD-50-60RPE / RAD-70PPD	3 x 200
PIM1REPRADDH	STANDALONE RETURN PLENUM M1 2XD200	820	225	200 + 50	RAD-50-60RPE / RAD-70PPD	2 x 200

* Only available as a multi option

Controls and compatible accessories (see page 161)



Wired programmable remote control
SPX-WKT4



Infrared remote control
SPX-RCKA1



Wired standard remote control
SPX-RCDA1

Other (price excluding taxes):
 - H-Link box – PSC-6RAD
 - Control box Multi-indoor units SPX-DST1 + SPX-WDST8M
 - airCloud for Home interface WIFI SPX-WFG02

- Hi-Box AHP-SMB-01
 - Hi Kumo interface for Hi-Box
 - SPX-TAG01
 - Single dry contact kit SPX-WDC2
 - SPX-RTH1 remote sensor

Cassette unit Mono-split



Selection guide

R32 Light commercial cassette



Primary R32



Utopia Prime cassette



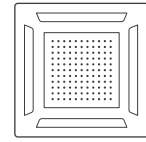
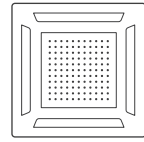
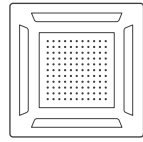
NEW



Light commercial
cassette

Primary R32

Utopia Prime
cassette



Refrigerant	R32	R32	R410A and R32
Dimensions	620 x 620	950 x 950	
Applications	Business Public		
Rated power, cooling (kW)	2.5 3.5 5.0 6.0	7.0 8.7 10.1 12.7 14.0 12.1 13.8 16.9	7.1 10.0 12.5 14.0
Supply voltage	Single-phase	Single-phase (3/3.5/4/5/6Hp) Three-phase (5/6/6.5Hp)	Single-phase (up to 6Hp) Three-phase (4 to 6Hp)
SEER (up to)	6.50	6.73	7.33
Energy classes Heating / Cooling	A+ / A++	A+ / A++	A+ / A++
Cooling up to	+46°C	+48°C	+46°C
Heating down to	-15°C	-15°C	-20°C
Discretion	++	+	+
Motion sensor	Yes	-	Option

R32 Light commercial Cassette

Appearance and comfort



Condensate pump included

The cassette unit for small commercial buildings incorporates its own condensate pumps to remove condensation automatically, without the need for any other add-ons. (Fig. 1)

Motion sensor

An air-conditioning unit without unnecessary consumption thanks to the motion sensor that gradually decreases the energy consumption of the equipment when the room is empty and restarts it when it detects people moving.

Improved comfort

On this equipment you can choose where to measure the setting temperature (at the remote control or the return or using the average of both readings). This feature provides superior comfort in the room.

Flexible installation

With a 30-m long pipe run between the indoor unit and the outdoor unit, this equipment can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m. 600 x 600 mm in size, they can be integrated into standard ceiling panels.

Compatible with the airCloud remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the indoor unit.

Individual control of the louvres

The 4 louvres in the cassette unit can be configured individually with the SPX-WKT4 so that each one works differently: blowing air directly towards the user, directing air at the ceiling or at the floor, etc. Comfort is guaranteed. (Fig. 2)

Fig. 1

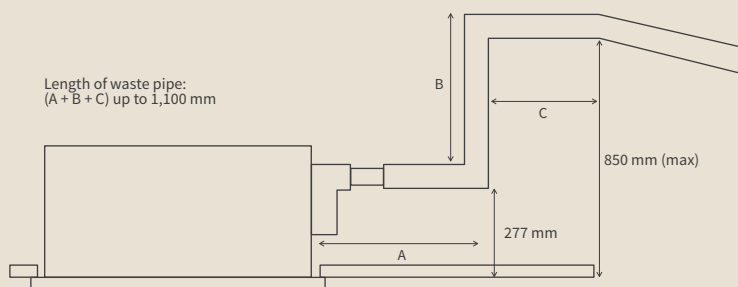
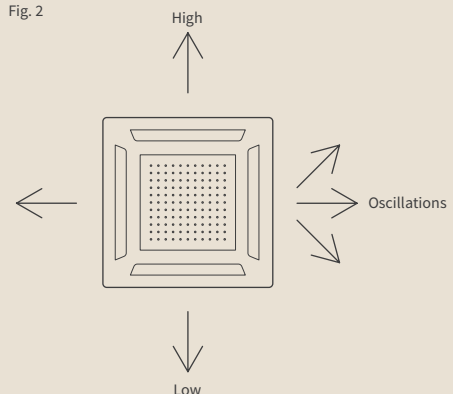
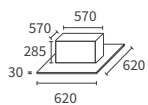


Fig. 2

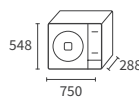


Indoor units

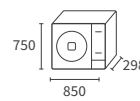


RAI-25RPE RAI-50RPE
RAI-35RPE RAI-60RPE

Outdoor units



RAC-25NPE
RAC-35NPE



RAC-50NPE
RAC-60NPE

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW
Nominal cooling capacity (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
UK total cooling capacity (UK sensible)	kW	1.86 (1.79)	2.61 (2.01)	4.32 (3.06)	5.30 (3.51)
Rated power input Cooling (min-max)	kW	0.595 (0.25 - 1.29)	0.875 (0.25 - 1.46)	1.420 (0.30 - 2.50)	1.710 (0.30 - 2.60)
EER	-	4.20	4.00	3.52	3.51
Energy class Cooling	-	A++			
SEER (average climate)	-	6.20	6.50	6.20	
Working range in Cooling	°C	-10°C / +46°C		-15°C / +46°C	
Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW
Nominal heating capacity (min-max)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Heating capacity at -7°C ⁽¹⁾	kW	2.70	3.20	4.20	4.80
Rated power input Heating (min-max)	kW	0.875 (0.25 - 1.50)	1.230 (0.25 - 1.92)	1.570 (0.30 - 2.65)	1.840 (0.30 - 2.65)
COP	-	4.00	3.90	3.82	3.80
Energy class Heating	-	A+			
SCOP (average climate)	-	4.30		4.40	
Working range in Heating	°C	-15°C / +24°C			
Indoor units	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Sound pressure in Cooling mode (EL / L / M / H) ⁽²⁾	dB(A)	27 / 31 / 35 / 38	27 / 33 / 37 / 40	29 / 35 / 39 / 43	
Sound pressure in Heating mode (EL / L / M / H) ⁽²⁾	dB(A)	28 / 32 / 36 / 39	28 / 34 / 38 / 41	30 / 36 / 40 / 44	
Sound power in Cooling mode	dB(A)	54		56	
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (H x L x D)	mm	285 x 570 x 570			
Fascia panel dimensions (H x L x D)	mm	30 x 620 x 620			
Net weight	kg	17			
Net weight of fascia panel	kg	2.8			
Condensate outlet diameter (ext)	mm	32			
Condensate pump	-	Included			
Fascia panel part no.	-	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
Remote control	-	Not included (SPX-RCKA3 / SPX-RCDB1 / SPX-WKT4)			
Outdoor units	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE
Sound pressure in Cooling mode ⁽²⁾	dB(A)		48		50
Sound power in Cooling mode	dB(A)		61		65
Airflow (Cooling / Heating)	m ³ /h		1920 / 1620		2160 / 2160
Dimensions (H x L x D)	mm		548 x 750 x 288		750 x 850 x 298
Net weight	kg		32.5		50
Compressor	-			Rotary	
Refrigeration characteristics	Unit	RAC-25NPE		RAC-35NPE	
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"	
Initial refrigerant charge	kg	0.86		1.50	
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		20 / 20	
Refrigerant	-	R32			
Electrical features	Unit	RAC-25NPE		RAC-35NPE	
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			
Max. current	A	5.92	6.70	7.21	8.45
Recommended fuse size	A	15		20	
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 1.50 + E	

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

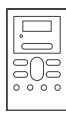
⁽²⁾ Sound pressure measurements were made 1.5 meters from the unit without obstructions (see the technical catalogue).

⁽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
SPX-RCKA3



Wired standard remote control
SPX-RCDB1

Other:

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



Wired programmable remote control
SPX-WKT4



H-Link box
PSC-6RAD

The standard multi-split range consists of 5 outdoor units capable of air conditioning up to five different areas on the same unit. The power of its units and its wide range of combinations makes it easy to adapt any installation setup. The new Summit multi-split range features 2 or 3 outputs to connect up to 3 Summit indoor wall units.



Multi-split

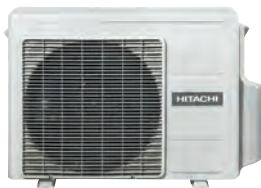
Multi-split standard outdoor units



Indoor units



Multi-split Summit outdoor units



Indoor units



Selection guide

		Rated power Cooling (kW)	3.3	4.0	5.3	6.8 / 7.0	8.5	10.0	
Multi-split standard RAM-NPE outdoor units		Heating capacity at -7°C Heating (kW)	Up to 3.5	Up to 4.0	Up to 5.5	Up to 6.5	Up to 7.8	Up to 8.0	HIBERNATE Puts electronic components into standby mode
	 (3.3 and 4.0 kW) (5.3 kW)	2 indoor units	SEER A+++ 8.50 SCOP A++ 4.60	SEER A+++ 8.50 SCOP A++ 4.60	SEER A+++ 8.50 SCOP A++ 4.60				POWER HIGH at -7°C
	 (5.3 and 6.8 kW)	3 indoor units			SEER A+++ 8.50 SCOP A++ 4.60	SEER A++ 8.10 SCOP A++ 4.60			VECTOR CONTROL Very low-frequency compressor control Reduced noise level Energy-saving
	 (7.0 kW)	4 indoor units				SEER A++ 8.10 SCOP A++ 4.60			
	 (8.5 and 10.0 kW)	5 indoor units					SEER A++ 7.90 SCOP A++ 4.30	SEER A++ 6.52 SCOP A++ 4.22	

Compatible indoor units

Multi-Split indoor units

 Shirokuma wall unit RAK-18QXE RAK-25-50-RXE	 Performance wall unit RAK-15QPE RAK-18-50RPE	 Light commercial wall unit RAK-60RPE	 600 x 600 R32 cassette RAI-25- 60RPE	 Shirokuma console RAF-25-50RXE	 R32 ducted RAD-18QPE RAD-25-60RPE
--	---	--	--	--	--

		Rated power Cooling (kW)	4.0	5.3
Multi-split Summit RAM-NEF outdoor units		Heating capacity at -7°C Heating (kW)	Up to 3.5	Up to 4.3
	 (4 and 5.3 kW)	2 indoor units	SEER A++ 8.25 SCOP A+ 4.30	SEER A++ 8.10 SCOP A+ 4.10
	 (5.3kW)	3 indoor units		SEER A++ 8.10 SCOP A+ 4.10

Compatible indoor units

Multi-Split indoor units

 Summit wall unit RAK-15QEF RAK-18-50REF
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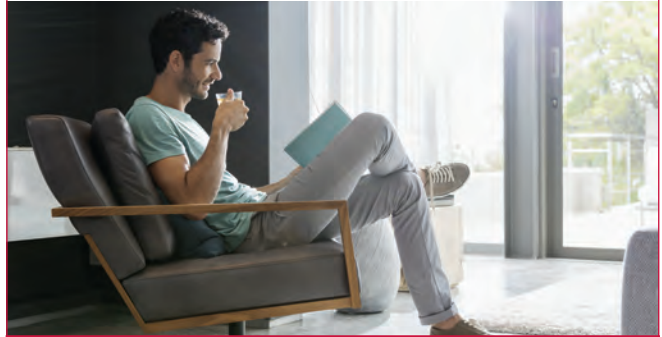
Benefits Multi-split

1 Discreet design that blends in



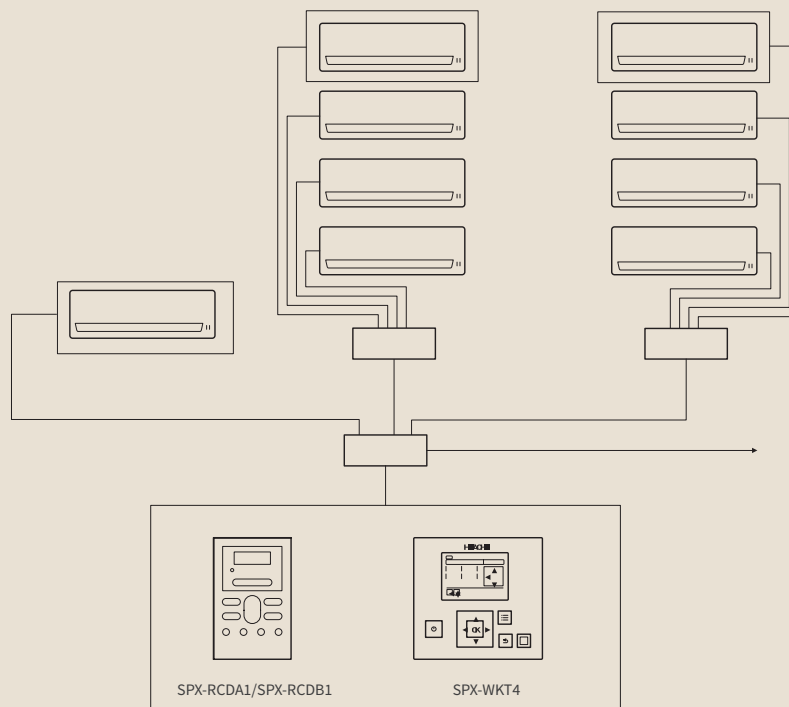
With their harmonized designs, the Shirokuma console and wall mount will fit perfectly into any indoor space.

2 Easy to install and maintain



- With duct-type units, you can adapt the static pressure to the needs of each installation.
- Outdoor units with 2 outlets come pre-charged with R32 gas. There is no need to add more gas. This saves on installation time and costs.
- Alarm code is displayed on the control for faster diagnostics.

3 Solutions to control the system in a centralized way



Central control for up to 13 indoor units with the wired remote control SPX-WTK4 and boxes SPX-DST1 + SPX-WDST8M

Multi-split



Standard R32 outdoor units



	Part no.	RAM-33NP2E	RAM-40NP2E	RAM-53NP2E	RAM-53NP3E	RAM-68NP3E	RAM-70NP4E	RAM-90NP5E	RAM-110NP5E
Number of connectible units (min-max)	-	2		2 / 3		2 / 4		2 / 5	
Nominal cooling capacity (min-max)	kW	3.3 (1.50 - 3.80)	4.00 (1.50 - 4.20)	5.30 (1.50 - 6.60)		6.80 (2.40 - 8.00)		7.00 (2.40 - 8.80)	
Nominal heating capacity (min-max)	kW	4.00 (1.50 - 4.60)	5.20 (1.50 - 5.50)	6.80 (1.50 - 7.20)		8.50 (2.40 - 9.50)		10.00 (1.50 - 12.70)	
Heating capacity at -7°C ⁽¹⁾	kW	3.50	4.00	4.50	5.50	6.50		7.80	
Rated power input Cooling (min-max)	kW	0.73 (0.20 - 1.05)	0.95 (0.20 - 1.15)	1.26 (0.20 - 1.66)	1.29 (0.20 - 1.68)	1.83 (0.46 - 2.96)	1.89 (0.46 - 3.20)	2.50 (0.50 - 3.85)	
Rated power input Heating (min-max)	kW	0.90 (0.20 - 1.50)	1.18 (0.20 - 1.50)	1.61 (0.20 - 2.01)	1.61 (0.20 - 2.01)	2.12 (0.43 - 2.60)	2.02 (0.48 - 3.12)	2.56 (0.50 - 3.85)	
EER/COP	-	4.50 / 4.40		4.20 / 4.40		4.10 / 4.20		3.70 / 4.00	
SEER/SCOP (average climate)	-	8.50 / 4.60		8.10 / 4.60		7.90 / 4.30		6.52 / 4.22	
Seasonal energy class (Cooling/Heating)	-	A+++ / A++		A++ / A++		A++ / A++		A++ / A+	
Sound pressure in Cooling mode	dB(A)	48	49	50		53		54	
Sound power	dB(A)	60		61		63		66	
Airflow (Cooling/Heating)	m ³ /h	1620 / 1620		2160 / 2160		2700 / 2700		3900 / 3900	
Dimensions (HxWxD)	mm	570 x 750 x 280		750 x 850 x 298		800 x 850 x 298		800 x 950 x 370	
Net weight	kg	38	41	53	54	58	71	76	
Power supply	-	220-230V							
Recommended fuse size	A	16		20		25		25	
Cable width (EN 60 335-1) ⁽²⁾	mm ²	2 x 2.5 + E		3 x 1.5 + E		1/4 x 4 / 3/8 x 3 + 1/2 x 1		1/4 x 5 / (3/8 x 3) + (1/2 x 2)	
Indoor/outdoor connection	mm ²	2 x 2.5 + E		3 x 1.5 + E		1/4 x 4 / 3/8 x 3 + 1/2 x 1		1/4 x 5 / (3/8 x 3) + (1/2 x 2)	
Diameter of pipes (Liq/Gas)	inches	(1/4 x 2 / 3/8 x 2)		(1/4 x 3 / 3/8 x 3)		(1/4 x 4 / 3/8 x 3 + 1/2 x 1)		1/4 x 5 / (3/8 x 3) + (1/2 x 2)	
Initial refrigerant charge	kg	1.02		1.80		2.05		2.40	
Pre-charged for	m	35		30		35		30	
Min. length	m	3		3		3		3	
Max. length / additional charge	m/g/m	35 / -		60 / 20		75 / 15		75 / 13	
Max. level difference	m	10		20		20		20	
Operating range Cooling	°C	-10°C / +46°C							
Operating range Heating	°C	-15°C / +24°C							
Refrigerant	-	R32							
Compressor	-	ROTARY		TWIN ROTARY					

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

⁽²⁾ 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)



Wired programmable remote control
SPX-WKT4



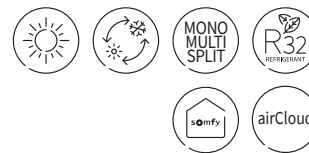
Infrared remote control
SPX-RCKA1 for ducted
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette



Wired standard remote control
SPX-RCDA1



Wired standard remote control
SPX-RCDB1



Multi-split

Indoor units

Shirokuma wall unit



Shirokuma range of wall units

Suits any type of installation with models designed for smaller areas. The size 18 model is switchable to reduce power (1.8 kW > 1.2 kW in cooling mode and 2.5 kW > 1.8 kW in heating mode).

Motion sensor

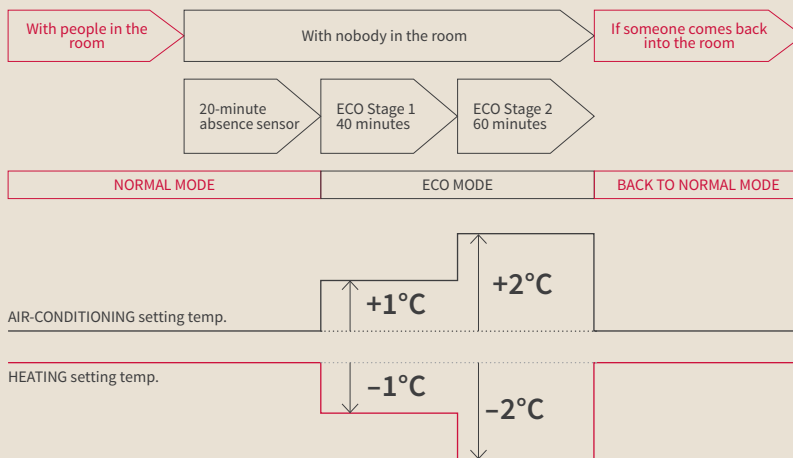
It adapts how the indoor unit works depending on whether there are people in the room or not. See Eco Sensor image opposite.

Ultra performance filtration

STAINLESS prefilters and Active Carbon filters as standard. The Active Carbon filter with silver ions (known for their antibacterial properties) acts by adsorption. This retains certain gas molecules or suspended particles on the surface of the filter. The air that comes out of the filter is then free of odors and pollutants.

Silent units

20 dB(A) on the size 25 model.

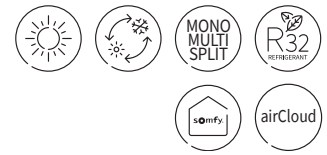


Unit	RAK-18QXE	RAK-25RXE	RAK-35RXE	RAK-50RXE	
Nominal cooling capacity (min - max)	kW	1.80 (1.00 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Nominal heating capacity (min - max)	kW	2.50 (1.10 - 3.20)	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.20 - 7.00)
Sound pressure in Cooling mode (EL / L / M / H) ⁽¹⁾	dB(A)	20 / 25 / 30 / 36	20 / 27 / 35 / 43	22 / 29 / 37 / 45	25 / 31 / 39 / 47
Sound power	dB(A)	49	58	60	
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	300 / 330 / 430 / 500	300 / 330 / 510 / 600	320 / 340 / 520 / 660	350 / 400 / 580 / 720
Dehumidification	l/h	1.2	1.4	1.6	2.0
Dimensions (H x W x D)	mm	295 x 900 x 210			
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8		1/4 - 1/2	
Net weight	kg	11.0			
Power supply	V	220 - 230V			
Cable width (EN 60 335 - 1) ⁽²⁾	mm ²	3 x 1.50 + E		3 x 2.50 + E	
Remote control	-	Weekly infrared RAR-6NE1 (included)			

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

⁽²⁾ 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.

Multi-split



Indoor units

Performance wall units and Light commercial wall units



The Performance range of wall units

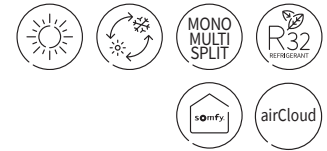
Suits any type of installation with models designed for smaller areas. The size 15 model is switchable to reduce power (1.5 kW > 1 kW* in cooling mode and 2 kW > 1.5 kW in heating mode). With its Active Carbon filter, the air is free of odors and pollutants.

Unit	RAK-15QPE	RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE	RAK-60RPE	
Nominal cooling capacity (min - max)	kW	1.50 (0.90 - 2.00)	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	4.20 (1.70 - 5.00)	6.00 (1.20 - 6.50)	
Nominal heating capacity (min - max)	kW	2.00 (1.00 - 2.50)	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	5.40 (1.70 - 6.00)	7.00 (1.20 - 8.00)	
Sound pressure in Cooling mode (EL / L / M / H) ⁽¹⁾	dB(A)	20 / 24 / 30 / 34	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	25 / 28 / 39 / 46	30 / 33 / 42 / 48	
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	312 / 350 / 400 / 420	312 / 350 / 400 / 440	333 / 370 / 430 / 510	353 / 420 / 485 / 680	353 / 410 / 540 / 720	310 / 410 / 570 / 720	
Dehumidification	l/h	1.20	1.20	1.40	1.60	1.80	2.8	
Dimensions (H x W x D)	mm	280 x 780 x 230					300 x 900 x 230	
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8				1/4 - 1/2		
Net weight	kg	8.5				11.5		
Power supply	V	220 - 230V						
Cable width (EN 60 335 - 1) ⁽²⁾	mm ²	3 x 1.50 + E			3 x 2.50 + E		3 x 1.50 + E	
Remote control	-	Weekly infrared RAR-6NE1 (included)					Not supplied (SPX-RCKA2 / SPX-RCDB1 / SPX-WKT4)	

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

⁽²⁾ 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.

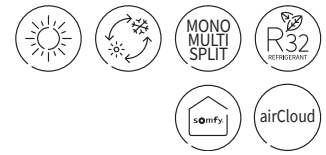
Cassette unit 600 × 600



Indoor units	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Nominal cooling capacity (min - max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Nominal heating capacity (min - max)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Sound pressure in Cooling mode (EL / L / M / H) ⁽¹⁾	-	27 / 31 / 35 / 38	27 / 33 / 37 / 40	29 / 35 / 39 / 43	
Sound pressure in Heating mode (EL / L / M / H) ⁽¹⁾	-	28 / 32 / 36 / 39	28 / 34 / 38 / 41	30 / 36 / 40 / 44	
Sound power	dB(A)	54	56	56	
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (H x W x D)	mm	285 x 570 x 570			
Fascia panel dimensions (H x W x D)	mm	30 x 620 x 620			
Condensate outlet diameter (ext.)	mm	32			
Condensate pump	-	yes			
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8		1/4 - 1/2	1/4 - 1/2
Net weight	kg	17			
Net weight of fascia panel	kg	2.8			
Part number of front panel	-	P-AP56NAMS			
Power supply	V	220 - 230V			
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 1.50 + E			
Remote control	-	Not supplied (SPX-RCKA3 / SPX-RCDB1 / SPX-WKT4)			

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

⁽²⁾ 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.



Extended airflow

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

Flexibility with the multi-split range

The indoor unit of the Shirokuma console is compatible with all multi-split outdoor groups. 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!

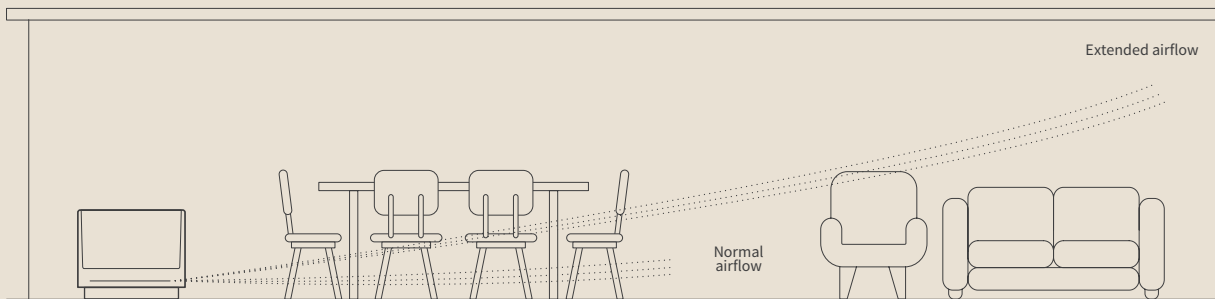
Management options

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

Compatible with airCloud

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

Fig. 1



Indoor units	Unit	RAF-25RXE	RAF-35RXE	RAF-50RXE
Nominal cooling capacity (min - max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Nominal heating capacity (min - max)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Sound pressure in Cooling mode (EL / L / M / H) ⁽¹⁾	dB(A)	20 / 26 / 31 / 38	20 / 26 / 31 / 39	22 / 29 / 36 / 43
Sound power	dB(A)	52		56
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	270 / 390 / 510 / 630	270 / 390 / 510 / 660	300 / 450 / 540 / 720
Dehumidification	l/h	1.4	1.9	2.8
Dimensions (H x W x D)	mm	590 x 750 x 215		
Condensate outlet diameter (ext.)	mm	16		
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8		1/4 - 1/2
Net weight	kg	15		
Power supply	-	220 - 230 V		
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 1.50 + E		3 x 2.50 + E
Remote control	-	Weekly infrared RAR-6NE1 (included)		

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

⁽²⁾ 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)

Leakage sensor
SPX-RAFGLS



Wired programmable remote control
SPX-WKT4



Infrared remote control
SPX-RCKA1 for ducted
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette

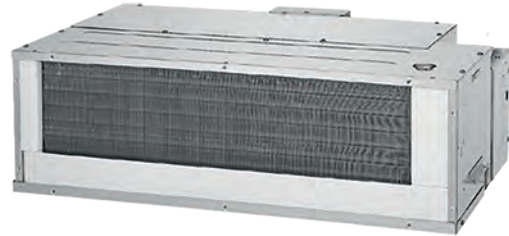
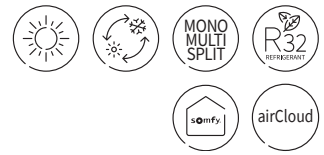


Wired standard remote control
SPX-RCDB1

Multi-split

Indoor units

R32 ducted



Indoor unit ducts

These now have a static pressure setting available: 50 to 150 Pa.

Plenums (optional)

Plenum supply air 2 x D200.
- return air plenum 2 x D200
(with or without filter access).

Remote sensor (optional)

For maximum comfort in the home
- Part number: SPX-RTH1

Indoor units	Unit	RAD-18QPE	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE
Nominal cooling capacity (min - max)	kW	1.80 (0.90 - 2.50)	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Nominal heating capacity (min - max)	kW	2.50 (0.90 - 3.20)	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Sound pressure in Cooling mode (EL / L / M / H) ⁽¹⁾	dB(A)	30 / 33 / 37 / 41			29 / 32 / 35 / 39	
Sound pressure in Heating mode (EL / L / M / H) ⁽¹⁾	dB(A)	30 / 34 / 38 / 42			29 / 32 / 35 / 40	
Sound power	dB(A)	57			53	
Airflow in Cooling mode (EL / L / M / H)	m ³ /h	330 / 390 / 450 / 510			350 / 540 / 800 / 1140	
Static pressure (L / M / H)	Pa	- / - / 70			50 / 100 / 150	
Dehumidification	l/h	1.4		1.6	2.8	2.8
Dimensions (H x W x D)	mm	235 x 750 x 400			270 x 900 x 720	
Condensate outlet diameter (ext)	mm	16			32	
Condensate pump	-				YES	
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8			1/4 - 1/2	
Net weight	kg	16			35	
Power supply	V				220 - 230V	
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 1.5 + E			3 x 1.5 + E	
Remote control		Not supplied (SPX-RCKA1 / SPX-RCDB1 / SPX-WKT4)				

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

⁽²⁾ 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.

Part number	Description	Length	Height	Depth	Compatibility	Number of ductwork connections
PIM1SOURADNH	STANDALONE SUPPLY AIR PLENUM 2XD200	720	200	300 + 50	RAD-18QPE* / RAD 25-35RPE	2 x 200
PIM1REPRADNH	STANDALONE RETURN AIR PLENUM 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1REPRADNH*	STANDALONE RETURN AIR PLENUM filter access door 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1SOURADDH	STANDALONE SUPPLY AIR PLENUM 3XD200	810	225	250 + 50	RAD-50-60RPE / RAD-70PPD	3 x 200
PIM1REPRADDH	STANDALONE RETURN AIR PLENUM 2XD200	820	225	200 + 50	RAD-50-60RPE / RAD-70PPD	2 x 200

* Only available as a multi option