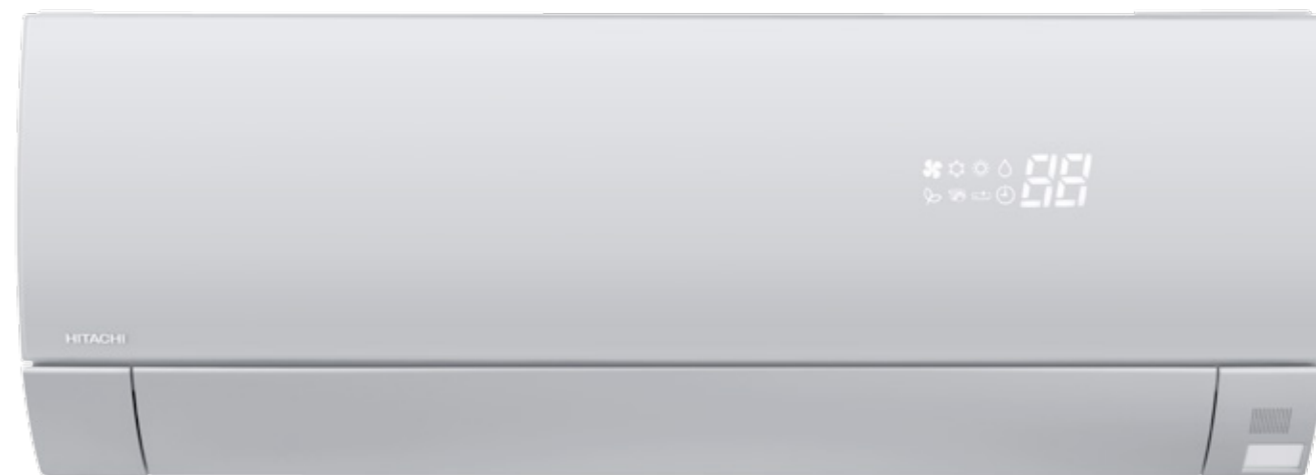


Hitachi's new R32 systems are the answer to an increasingly sustainable world and our commitment to the environment. We have been preparing for this change since 2013 by developing R32 equipment in Japan. Our new systems comply with F-GAS regulations and are designed to create harmony between people and their environments.



R32 1x1 Systems



Discover Hitachi's new R32 range, designed to meet your home and business climate control needs

Summit



Performance



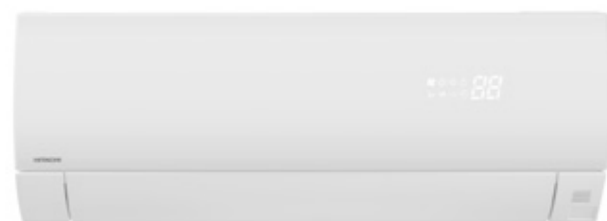
Light Commercial Wall-Mounted



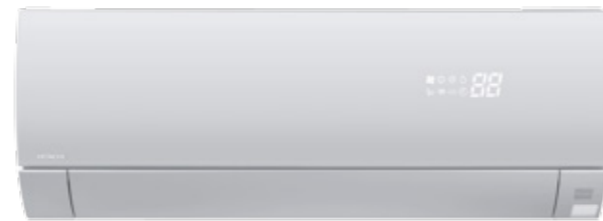
Shirokuma



S-Premium white



S-Premium silver



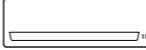
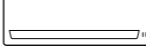
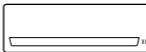


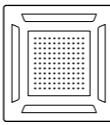

Light Commercial Cassette

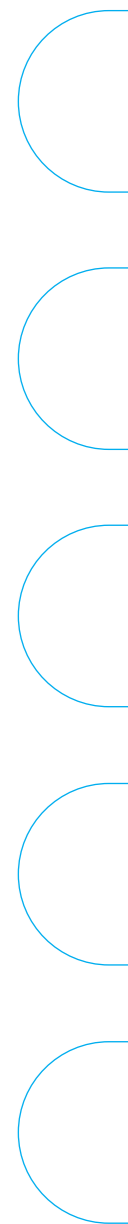


Light Commercial Ducts



Quick selection table

	Nominal cooling powers (kW)							SCOP	SEER
	2	2.5	3.5	4.2	5	6	7		
Summit 	•	•	•		•			4.30	6.10
Performance 	•	•	•	•	•			4.90	8.50
Light Commercial Wall-Mounted 					•	•	•	4.61	7.40
Shirokuma 	•		•		•			5.20	8.70
S-Premium 		•	•		•			5.10	9.00
Light Commercial Cassette 		•	•		•	•		4.40	6.50
Light Commercial Ducts 		•	•		•	•	•	4.30	6.50



Benefits

R32



1 New regulation, new R32 refrigerant for a sustainable environment



European regulation F-GAS (517/2014) came into force on 1st January 2015, in order to reduce greenhouse gas emissions. It aims to reduce the amount of HFC (hydrofluorocarbon) refrigerant used in cooling and heating systems by 79% by 2030.

Although R32 is part of the HFC refrigerants group, its properties mean it is a more environmentally friendly and efficient refrigerant.

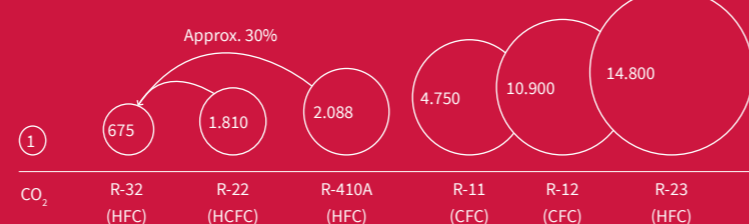
These properties mean that:

- It is easier to recover and recycle, as it is a pure refrigerant (without mixture).
- It is more environmentally friendly as it has a lower PCA than other refrigerants.
- It has no impact on the ozone layer.
- With this refrigerant, the system needs 30% less refrigerant than with other systems.
- Its cost and associated tax are significantly lower than for other refrigerants.
- It works more efficiently, reducing electrical consumption and making it easier to attain high energy ratings in A+++ equipment.

Consumption of HFC compared to CO₂ equivalent tonnes



A step forward in respect for the environment



2 The new R32 range looks to protect the environment

At Hitachi we want to be part of this change and provide future systems which connect to the environment, creating harmony between people and their sustainable

lives, something we've been working on since 2013. Our goal is to complete the R32 range by 2025.



3 Discover the latest Hitachi devices with R32

Our indoor climate range includes different styles of indoor units between 2 to 7 kW. Attention is always paid to energy efficiency, appealing aesthetics and quiet operation.

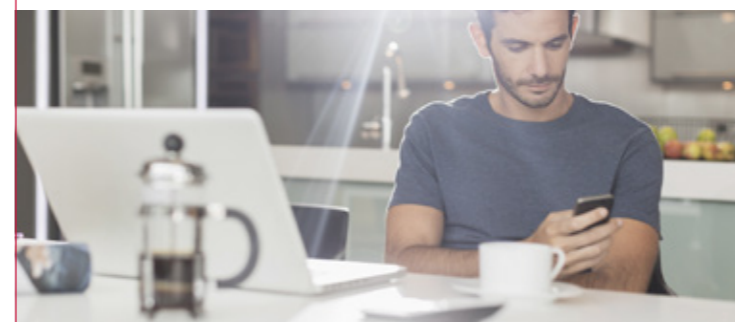
4 Frost Wash

This unique patented technology allows the unit to self clean the heat exchanger by freezing it and then melting the ice to wash away the dust and allergens.



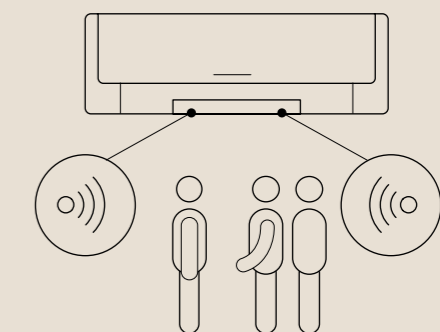
https://youtu.be/qNH_YXhWM2o

5 Compatible with Hi-Kumo App



The whole indoor climate range is compatible with the Hi-Kumo app. Your smartphone becomes a remote control and you can switch your unit on and off, set the temperature and alter the schedule from anywhere in the world.

6 ECO - Human sensor



The Human sensor detects movement in the room and automatically adjusts the operation of the unit to save unnecessary operating costs.

Summit

High-efficiency and simplicity



Compatible with Hi-Kumo Wi-Fi control

This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

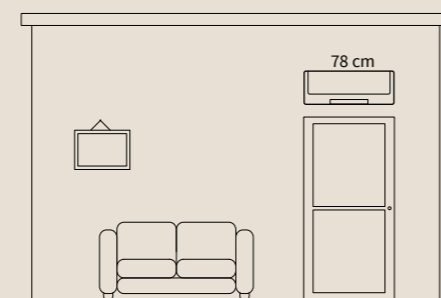
Full use of space

It can be installed discreetly thanks to its compact size. For instance, above a door it is only 780 mm long. (Fig. 1)

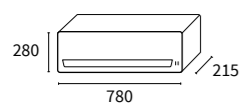
Ultraquiet operation

Its low noise level of just 19dB means you will enjoy a comfortable environment without even noticing that the indoor unit is on.
*check model

Fig. 1

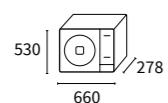


Indoor units

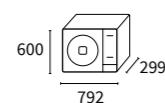


RAK-18PED
RAK-25PED
RAK-35PED
RAK-50PED

Outdoor units



RAC-18WED
RAC-25WED
RAC-35WED



RAC-50WED

Summit

System			Summit 18	Summit 25	Summit 35	Summit 50
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.00-2.50	0.90-2.50-3.10	0.90-3.50-4.00	1.90-5.00-5.20
	Heating (Min/Nom/Max)	kW	0.90-2.50-3.20	0.90-3.40-4.40	0.90-4.20-5.00	2.20-6.00-7.30
Consumption	Cooling (Min/Nom/Max)	kW	0.25-0.58-1.01	0.25-0.70-1.29	0.25-1.09-1.46	0.50-1.56-2.10
	Heating (Min/Nom/Max)	kW	0.28-0.62-0.97	0.25-0.88-1.25	0.25-1.10-1.70	0.50-1.66-2.75
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm2	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E
EER			3.45	3.57	3.21	3.21
COP			4.03	3.86	3.82	3.61
SEER			6.1	6.10	6.10	6.10
SCOP			4.2	4.20	4.20	4.30
Energy rating (medium zone)	Cooling/Heating		A++/A+	A++/A+	A++/A+	A++/A+
Outside operating temperatures	Cooling (DB)	°C	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating (DB)	°C	-15 to 21	-15 to 21	-15 to 21	-15 to 21
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-3/8	1/4-1/2
Remote control included			RAR-5F1	RAR-5F1	RAR-5F1	RAR-5F1
Indoor unit			RAK-18PED	RAK-25PED	RAK-35PED	RAK-50PED
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	312-350-400-440	333-370-430-510	333-400-485-600	333-450-600-700
	Heating	m3/h	313-350-420-480	333-400-500-570	333-520-550-660	433-510-650-770
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	21-24-33-37	22-24-33-40	25-26-36-43	28-30-40-46
	Heating	dB(A)	19-22-33-38	20-23-34-41	26-27-36-44	25-30-38-47
Sound power		dB(A)	51	54	57	60
Dimensions (H x W x D)		mm	280x780x215	280x780x215	280x780x215	280x780x215
Weight		kg	7.5	7.5	7.5	8.0
Condensate pipe diameter (out)		mm	16	16	16	16
Outdoor unit			RAC-18WED	RAC-25WED	RAC-35WED	RAC-50WED
Air flow	Cooling	m3/h	1,860	1,860	1,860	2,160
	Heating	m3/h	1,620	1,620	1,620	2,160
Sound pressure	Cooling	dB(A)	45	47	48	50
	Heating	dB(A)	46	48	49	50
Sound power		dB(A)	59	61	62	64
Maximum pipe length		m	20	20	20	20
Maximum height difference		m	10	10	10	10
Compressor			Rotary	Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.53 (20)	0.53 (20)	0.70 (20)	0.93 (20)
Additional refrigerant charge		g/m	not required	not required	not required	not required
Dimensions (H x W x D)		mm	530x660x278	530x660x278	530x660x278	600x792x299
Weight		kg	23.0	23.0	24.5	39.5

Compatible controls and accessories:



Wireless control
RAR-5F1
Included



Simplified wired control
SPX-RCDB

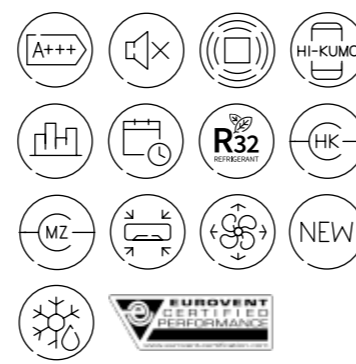


Programmable wired control
SPX-WKT3

Others:
- SPX-DST1 distributor
- H-Link PSC-6RAD box
- SPX-WFG01 Wi-Fi adapter

Performance

Compact size and high performance



Enhanced comfort with 4-Way Swing

The vertical and horizontal movement of the slats ensures a more uniform distribution of air for greater comfort in the room. (Fig. 1)

Presence sensor

These units are fitted with a presence sensor to ensure optimal consumption in accordance with the number of people in a room. This sensor gradually decreases energy consumption as the room empties, and increases it as human movement is detected. (Fig. 2)

Compatible with Hi-Kumo Wi-Fi control

This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

Full use of space

It can be installed discreetly thanks to its compact size. For instance, above a door it is only 780 mm long. (Fig. 3)

Ultraquiet operation

Its low noise level of just 19dB means you will enjoy a comfortable environment without even noticing that the indoor unit is on. *check model

First-class energy efficiency

Lower energy consumption thanks to its A+++ energy rating. Use your air conditioning while barely noticing its effect on your electricity bill. *check model

ADJUST YOUR SETPOINT TEMPERATURE:
1°C = 7% ENERGY SAVING

Fig. 1

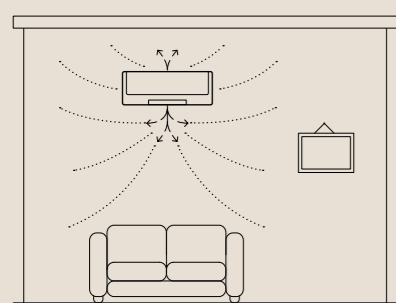


Fig. 2

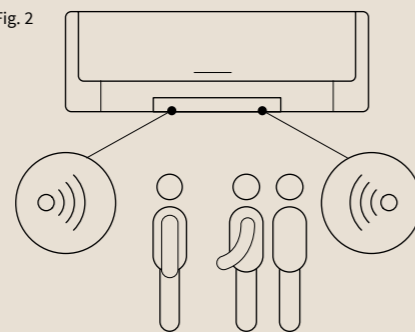
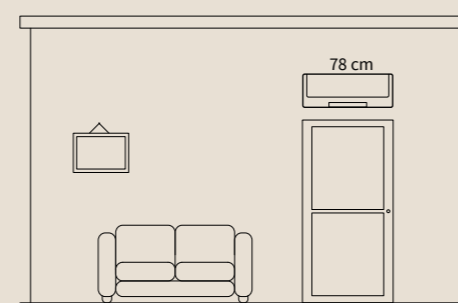
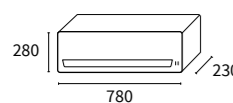


Fig. 3

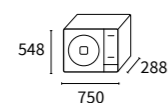


Indoor units

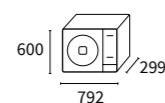
Outdoor units



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



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

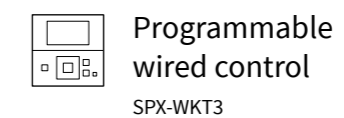


RAC-42WPE
RAC-50WPE

Performance

System			Performance 18	Performance 25	Performance 35	Performance 42	Performance 50
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.00-2.50	0.90-2.50-3.10	0.90-3.50-4.00	1.70-4.20-5.00	1.90-5.00-5.20
	Heating (Min/Nom/Max)	kW	0.90-2.50-3.20	0.90-3.40-4.40	0.90-4.20-5.00	1.70-5.40-6.00	2.20-6.00-7.30
Consumption	Cooling (Min/Nom/Max)	kW	0.25-0.42-1.01	0.25-0.55-1.29	0.25-0.94-1.46	0.30-1.12-1.70	0.30-1.47-2.10
	Heating (Min/Nom/Max)	kW	0.25-0.52-0.97	0.25-0.73-1.50	0.25-1.00-1.70	0.50-1.32-2.10	0.50-1.56-2.75
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm2	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E	2.5 x 3 + E	2.5 x 3 + E
EER			4.77	4.55	3.72	3.75	3.40
COP			4.82	4.64	4.20	4.10	3.85
SEER			8.50	8.50	7.80	7.50	7.35
SCOP			4.90	4.90	4.90	4.60	4.60
Energy rating (medium zone)	Cooling/Heating		A+++/A++	A+++/A++	A++/A++	A++/A++	A++/A++
Outside operating temperatures	Cooling (DB)	°C	-10 to 43	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating (DB)	°C	-15 to 21	-15 to 21	-15 to 21	-15 to 21	-15 to 21
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-3/8	1/4-1/2	1/4-1/2
Remote control included			RAR-6NE1	RAR-6NE1	RAR-6NE1	RAR-6NE1	RAR-6NE1
Indoor unit			RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	312-350-400-440	333-370-430-510	353-420-485-680	353-410-540-720	353-410-540-750
	Heating	m3/h	312-350-420-480	333-400-500-570	363-480-570-780	380-500-610-800	380-500-610-820
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	21-24-33-37	22-24-33-40	25-26-36-43	25-28-39-46	25-28-39-46
	Heating	dB(A)	19-22-33-38	20-23-34-41	26-27-36-44	27-31-39-46	27-31-39-46
Sound power		dB(A)	51	54	57	60	60
Dimensions (H x W x D)		mm	280x780x230	280x780x230	280x780x230	280x780x230	280x780x230
Weight		kg	8.5	8.5	8.5	8.5	8.5
Condensate pipe diameter (out)		mm	16	16	16	16	16
Outdoor unit			RAC-18WPE	RAC-25WPE	RAC-35WPE	RAC-42WPE	RAC-50WPE
Air flow	Cooling	m3/h	1,860	1,860	1,920	2,160	2,160
	Heating	m3/h	1,620	1,620	1,620	2,160	2,160
Sound pressure	Cooling	dB(A)	44	46	48	49	49
	Heating	dB(A)	45	47	49	50	50
Sound power		dB(A)	58	60	61	63	63
Maximum pipe length		m	20	20	20	20	20
Maximum height difference		m	10	10	10	10	10
Compressor			Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.87 (20)	0.87 (20)	0.87 (20)	1.05 (20)	1.05 (20)
Additional refrigerant charge		g/m	not required	not required	not required	not required	not required
Dimensions (H x W x D)		mm	548x750x288	548x750x288	548x750x288	600x792x299	600x792x299
Weight		kg	32.5	32.5	32.5	39.0	39.0

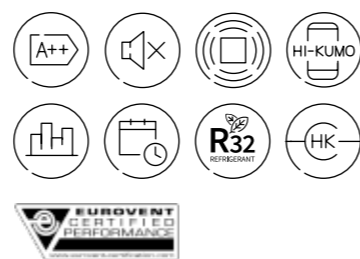
Compatible controls and accessories:



Others:
- SPX-DST1 distributor
- H-Link PSC-6RAD box
- SPX-WFG01 Wi-Fi adapter

Light Commercial Wall-Mounted

High performance and built-in presence sensor



Enhanced comfort with 4-Way Swing

Air distribution is more uniform thanks to the vertical and horizontal movement of the slats, thus improving comfort in the room. (Fig. 1)

First-class energy efficiency

Lower energy consumption thanks to its A++ energy rating.* Use your air conditioning while barely noticing its effect on your electricity bill. *check model

Presence sensor

Air conditioning without any unnecessary consumption thanks to the presence sensor, which decreases the system's energy consumption gradually when the room empties, and puts it back into operation when it detects human movement. (Fig. 2)

Enhanced comfort

This system allows us to choose where to measure the setpoint temperature (in the control, in the return, or the average of both values). This feature ensures enhanced comfort in the room.

Flexible installation

There is up to 30 m of cooling pipe between the indoor and outdoor units, meaning the system can be installed almost anywhere in the building. Furthermore, the height difference between them can reach up to 20 m.

Compatible with Hi-Kumo Wi-Fi control

This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

Compact indoor unit

The indoor unit is only 900 mm wide, which means it can be installed virtually anywhere without interfering with other elements. Other systems on the market are around 1,000 mm wide, and some of them even exceed this width.

Fig. 1

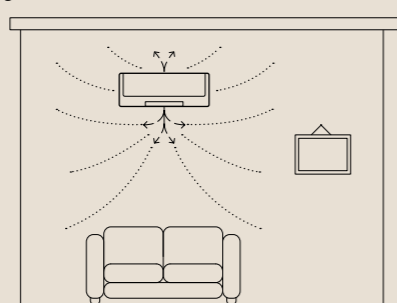
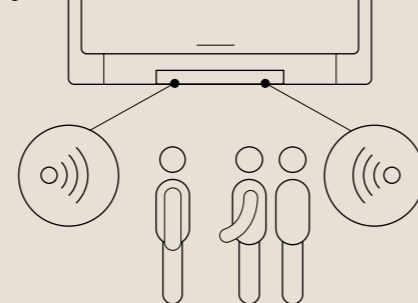
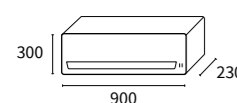


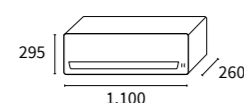
Fig. 2



Indoor units

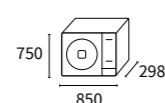


RAK-50RPE1
RAK-60RPE

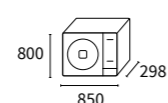


RAK-70RPD

Outdoor units



RAC-50NPE
RAC-60NPE

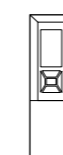


RAC-70NPD

Light Commercial Wall-mounted

System			Light commercial 50	Light commercial 60	Light commercial 70
Capacity	Cooling (Min/Nom/Max)	kW	1.20-5.00-5.80	1.20-6.00-6.50	1.50-7.00-8.00
	Heating (Min/Nom/Max)	kW	1.20-6.00-6.80	1.20-7.00-8.00	1.50-8.00-8.50
Consumption	Cooling (Min/Nom/Max)	kW	0.30-1.42-2.50	0.30-1.71-2.65	0.50-2.00-2.70
	Heating (Min/Nom/Max)	kW	0.30-1.50-2.65	0.30-1.84-2.65	0.50-2.10-2.80
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm ²	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E
EER			3.52	3.51	3.50
COP			4.00	3.80	3.81
SEER			7.30	6.50	7.00
SCOP			4.60	4.20	4.60
Energy rating (medium zone)	Cooling/Heating		A+/A++	A+/A+	A+/A++
Outside operating temperatures	Cooling (DB)	°C	-15 to 46	-15 to 46	-15 to 46
	Heating (DB)	°C	-15 to 24	-15 to 24	-15 to 24
Pipe diameter	Liquid-gas	inches	1/4-1/2	1/4-1/2	1/4-5/8
Remote control included			not included	not included	not included
Indoor unit			RAK-50RPE1	RAK-60RPE	RAK-70RPD
Air flow (Very low - Low - Medium - High)	Cooling	m ³ /h	310-410-570-720	480-540-690-930	510-630-870-1,020
	Heating	m ³ /h	350-460-640-800	480-510-720-1050	510-630-870-1,080
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	26-33-39-47	30-33-42-48	30-36-42-47
	Heating	dB(A)	26-33-39-47	33-34-42-49	30-36-42-47
Sound power		dB(A)	60	60	60
Dimensions (H x W x D)		mm	300x900x230	300x900x230	300x1100x260
Weight		kg	11.5	11.5	15.0
Condensate pipe diameter (out)		mm	16	16	16
Outdoor unit			RAC-50NPE	RAC-60NPE	RAC-70NPD
Air flow	Cooling	m ³ /h	2,160	2,160	2,700
	Heating	m ³ /h	2,160	2,160	2,700
Sound pressure	Cooling	dB(A)	50	50	52
	Heating	dB(A)	53	53	54
Sound power		dB(A)	60/65	60/65	60/67
Maximum pipe length		m	30	30	30
Maximum height difference		m	20	20	20
Compressor			Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	1.5 (30)	1.5 (30)	1.6 (30)
Additional refrigerant charge		g/m	not required	not required	not required
Dimensions (H x W x D)		mm	750x850x298	750x850x298	800x850x298
Weight		kg	50.0	50.0	52.0

Compatible controls and accessories:



Wireless Eco Control
SPX-RCKA2



Simplified wired control
SPX-RCDB



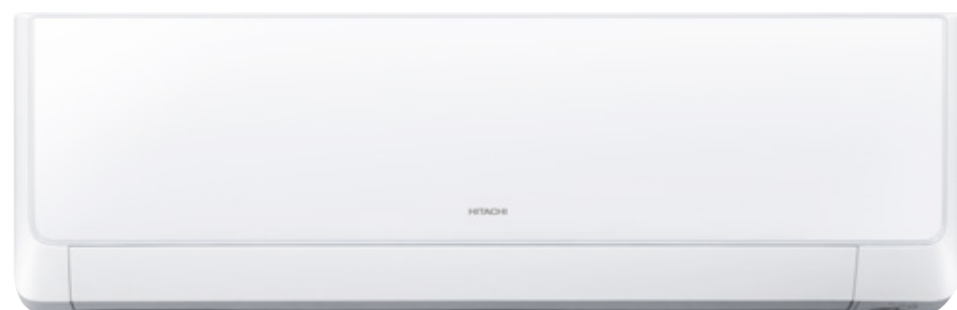
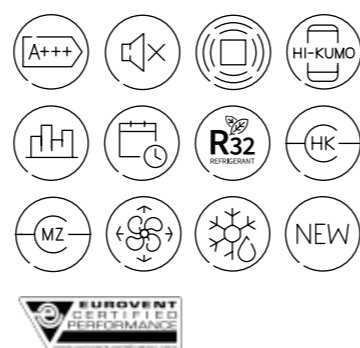
Programmable wired control
SPX-WKT3

Others:

- SPX-DST1 distributor
- H-Link PSC-6RAD box
- SPX-WFG01 Wi-Fi adapter

Shirokuma

Highest performance with the best options



Presence sensor

Air conditioning without any unnecessary consumption thanks to the presence sensor, which decreases the system's energy consumption gradually when the room empties, and puts it back into operation when it detects human movement. (Fig. 1)

Enhanced comfort with 4-Way Swing

Air distribution is more uniform thanks to the vertical and horizontal movement of the slats, thus improving comfort in the room. (Fig. 2)

Constant power

The system guarantees heating operation without any loss of heat with an outside temperature of up to -15 °C. Optimal heating power when you need it most. (Fig. 3)

First-class energy efficiency

Lower energy consumption thanks to its A+++ energy rating.* Use your air conditioning while barely noticing its effect on your electricity bill.* check model

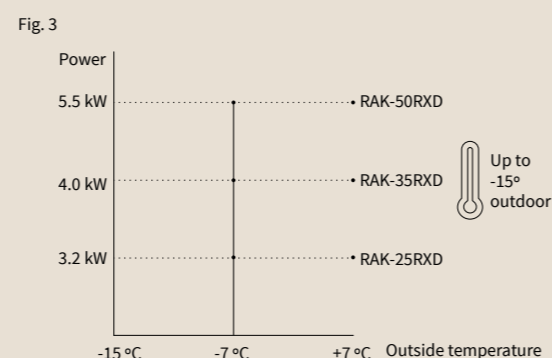
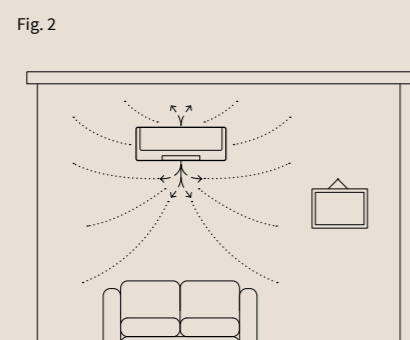
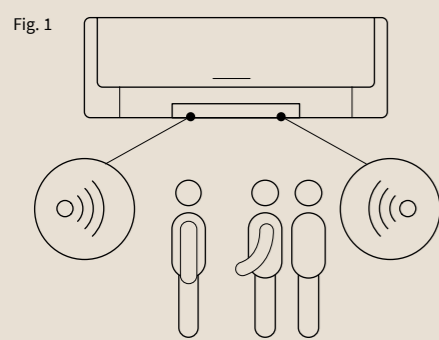
ADJUST YOUR SETPOINT TEMPERATURE:
1°C = 7% ENERGY SAVING

High-quality components

The indoor unit components, including the filter, are made of stainless steel, bringing increased durability and improved air quality.

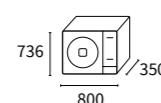
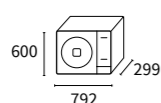
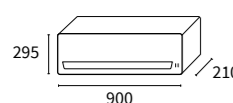
Compatible with Hi-Kumo Wi-Fi control

This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.



Indoor units

Outdoor units



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

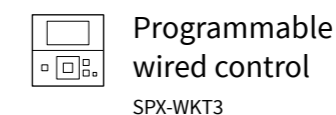
RAC-25WXE
RAC-35WXE

RAC-50WXE

Shirokuma

System			Shirokuma 25	Shirokuma 35	Shirokuma 50
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.50-3.10	0.90-3.50-4.00	1.90-5.00-5.20
	Heating (Min/Nom/Max)	kW	0.90-3.20-4.20	0.90-4.00-4.80	2.20-5.80-7.00
Consumption	Cooling (Min/Nom/Max)	kW	0.25-0.48-1.00	0.25-0.81-1.40	0.50-1.40-2.10
	Heating (Min/Nom/Max)	kW	0.25-0.59-1.20	0.25-0.80-1.60	0.50-1.42-2.70
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)			mm2	1.5 x 3 + E	1.5 x 3 + E
EER			5.20	4.30	3.58
COP			5.40	5.00	4.10
SEER			8.50	8.70	7.50
SCOP			5.20	5.20	4.70
Energy rating (medium zone)	Cooling/Heating		A+++/A+++	A+++/A+++	A++/A++
	Outside operating temperatures	Cooling (DB) °C	-10 to 43	-10 to 43	-10 to 43
Pipe diameter	Heating (DB) °C		-20 to 21	-20 to 21	-20 to 21
	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2
Remote control included			RAR-6NE1	RAR-6NE1	RAR-6NE1
Indoor unit			RAK-25RXE	RAK-35RXE	RAK-50RXE
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	300-330-510-600	320-340-520-660	350-400-580-720
	Heating	m3/h	290-370-560-680	310-380-570-720	350-420-620-800
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	20-27-35-43	22-29-37-45	25-31-39-47
	Heating	dB(A)	20-28-36-43	22-30-37-45	25-31-39-48
Sound power			dB(A)	58	60
Dimensions (H x W x D)			mm	295x900x210	295x900x210
Weight			kg	11	11
Condensate pipe diameter (out)			mm	16	16
Outdoor unit			RAC-25WXE	RAC-35WXE	RAC-50WXE
Air flow	Cooling	m3/h	1,860	1,920	2,160
	Heating	m3/h	1,620	1,620	2,160
Sound pressure	Cooling	dB(A)	47	48	51
	Heating	dB(A)	48	50	51
Sound power			dB(A)	61	62
Maximum pipe length			m	20	30
Maximum height difference			m	10	10
Compressor			Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32
Refrigerant charge (length without additional charge)			kg (m)	0.98	1.30
Additional refrigerant charge			g/m	not required	not required
Dimensions (H x W x D)			mm	600x792x299	736x800x350
Weight			kg	37.5	51.5

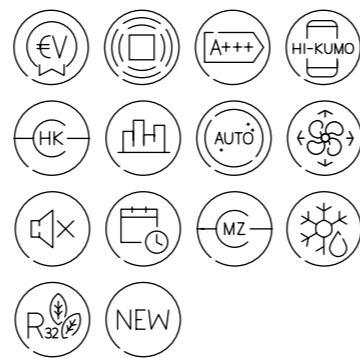
Compatible controls and accessories:



Others:
- SPX-DST1 distributor
- H-Link PSC-6RAD box
- SPX-WFG01 Wi-Fi adapter

S-Premium

An air conditioner for life, with stainless steel interior and automated self-cleaning.



Clean, more efficient air conditioning

The interiors of the premium indoor unit series are made from stainless steel reducing the accumulation of dust by 51% compared to plastic models. The stainless steel air filter is self cleaned automatically on a regular basis (Fig. 1). The new Frost wash function automatically cleans the heat exchanger ensuring the purest air possible for your rooms.

Energy class A+++*

High efficiency for optimal performance and significant running cost savings.

*2.5 and 3.5kW units

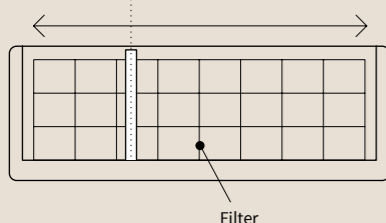


Excellent Design

Premium series wall mounts are available in silver and matt white. The simple design and classy finish ensures the unit blends in perfectly to your premises.



Fig. 1 Hitachi "Self-cleaning" robot



Increased comfort through Human sensor

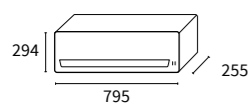
Air conditioning without any unnecessary consumption thanks to the presence sensor, which decreases the system's energy consumption gradually when the room empties, and puts it back into operation when it detects human movement.

Everything at a glance

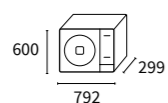
The LCD display is integrated into the front of the device, which on request, can display information about the operation such as temperature setting and mode.

Indoor units

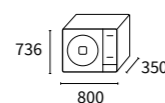
Outdoor units



RAK-25PSE(W/S)
RAK-35PSE(W/S)
RAK-50PSE(W/S)



RAC-25WSE
RAC-35WSE

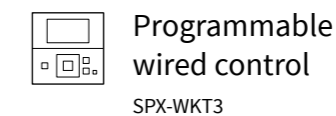
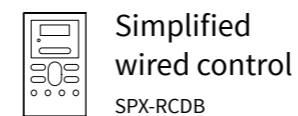


RAC-50WSE

S-Premium

System			Premium 25	Premium 35	Premium 50
Capacity	Cooling (Min/Nom/Max)	kW	0.50-2.50-3.40	0.50-3.50-4.10	1.90-5.00-5.20
	Heating (Min/Nom/Max)	kW	0.60-3.20-5.80	0.60-4.00-6.60	2.20-6.00-7.00
Consumption	Cooling (Min/Nom/Max)	kW	0.30-0.49-0.92	0.35-0.78-1.35	0.40-1.39-1.82
	Heating (Min/Nom/Max)	kW	0.44-0.62-1.50	0.50-0.80-2.00	0.60-1.62-2.65
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm ²	1.5 × 3 + E	1.5 × 3 + E	1.5 × 3 + E
EER			5.10	4.50	3.60
COP			5.15	5.00	3.70
SEER			9.00	9.00	7.50
SCOP			5.10	5.10	4.70
Energy rating (Average climate)	Cooling/Heating		A++/A++	A++/A++	A++/A++
Outside operating temperatures	Cooling (DB)	°C	-10 to 43	-10 to 43	-10 to 43
	Heating (DB)	°C	-20 to 24	-20 to 24	-20 to 24
Pipe diameter	Liquid-Gas	inches	1/4-3/8	1/4-3/8	1/4-1/2
Remote control included			RAR-6NE2	RAR-6NE2	RAR-6NE2
Indoor unit			RAK-25PSE(W/S)	RAK-35PSE(W/S)	RAK-50PSE(W/S)
Air flow (Very low - Low - Medium - High)	Cooling	m ³ /h	270-320-420-510	270-340-440-540	300-400-490-590
	Heating	m ³ /h	310-400-490-600	310-430-520-630	330-450-560-680
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	22-28-34-41	22-29-36-43	25-31-38-46
	Heating	dB(A)	22-28-34-42	22-29-36-44	25-31-38-48
Sound power		dB(A)	55	57	60
Dimensions (H × W × D)		mm	294 × 795 × 250	294 × 795 × 250	294 × 795 × 250
Weight		kg	11.0	11.0	11.0
Condensate pipe diameter (out)		mm	16	16	16
Outdoor unit			RAC-25WSE	RAC-35WSE	RAC-50WSE
Air flow	Cooling	m ³ /h	1,860	1,920	2,160
	Heating	m ³ /h	1,620	1,620	2,160
Sound pressure	Cooling	dB(A)	47	48	51
	Heating	dB(A)	48	50	51
Sound power		dB(A)	61	62	65
Minimum pipe length		m	3	3	3
Maximum pipe length		m	20	20	30
Maximum height difference		m	10	10	10
Compressor			Rotary	Rotary	2 Cylinder Rotary
Refrigerant			R32	R32	R32
Refrigerant charge (Length without additional charge)		kg (m)	0.98 (20)	0.98 (20)	1.24 (30)
Additional refrigerant charge		g/m	-	-	-
Dimensions (H × W × D)		mm	600 × 792 × 299	600 × 792 × 299	736 × 800 × 350
Weight		kg	37.0	37.0	51.0

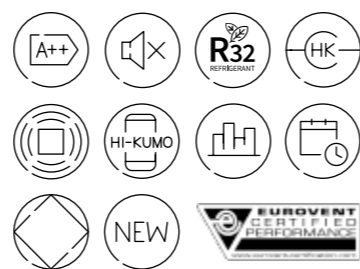
Compatible controls and accessories:



Others
 - SPX-DST1 distributor
 - H-Link PSC-6RAD Box
 - SPX-WFG01 Wi-Fi-Adapter

Light Commercial Cassette

High performance control options



Condensate pump included

The LC cassette is fitted with its own pump to automatically remove condensate liquid. No need to purchase additionally. (Fig. 1)

First-class energy efficiency

Lower energy consumption thanks to its A++ energy rating.* Use your air conditioning while barely noticing its effect on your electricity bill. *check model

Enhanced comfort

This system allows us to choose where to measure the setpoint temperature (in the control, in the return, or the average of both values). This feature ensures enhanced comfort in the room.

Flexible installation

There is up to 30 m of cooling pipe between the indoor and outdoor units, meaning the system can be installed almost anywhere in the building. Furthermore, the height difference between them can reach up to 20 m.

Compatible with Hi-Kumo Wi-Fi control

This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

Individual louvre control

Each louvre of the cassette can be individually controlled for a comfortable air flow and adaptability to all room configurations. (Fig. 2)

Fig. 1

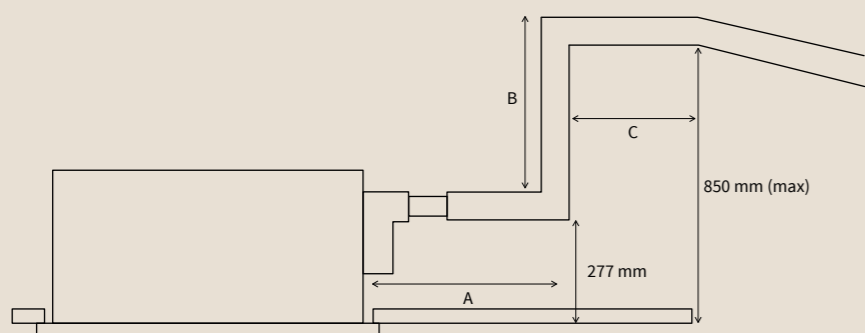
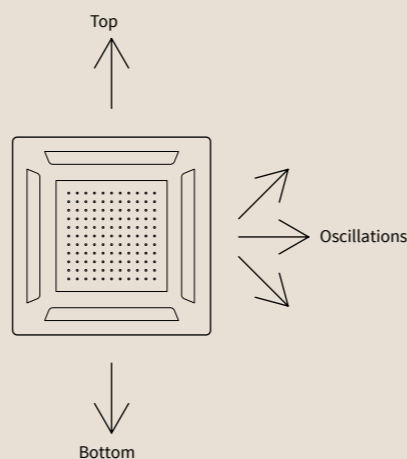
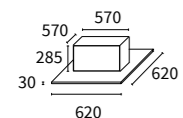


Fig. 2

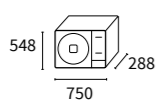


Indoor units

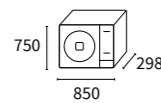


RAI-25RPE
RAI-35RPE
RAI-50RPE
RAI-60RPE

Outdoor units



RAC-25NPE
RAC-35NPE

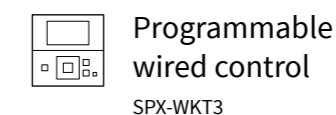
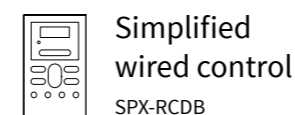


RAC-50NPE
RAC-60NPE

Light Commercial Cassette

System			RAI 25 RPE	RAI 35 RPE	RAI 50 RPE	RAI 60 RPE
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.50-3.00	0.90-3.50-4.00	1.20-5.00-5.80	1.20-6.00-6.50
	Heating (Min/Nom/Max)	kW	0.90-3.50-5.00	0.90-4.80-6.60	1.20-6.00-6.80	1.20-7.00-8.00
Consumption	Cooling (Min/Nom/Max)	kW	0.25-0.60-1.29	0.25-0.88-1.46	0.30-1.42-2.50	0.30-1.71-2.60
	Heating (Min/Nom/Max)	kW	0.25-0.88-1.50	0.25-1.23-1.92	0.30-1.57-2.65	0.30-1.84-2.65
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm2	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E
EER			4.20	4.00	3.52	3.51
COP			4.00	3.90	3.82	3.80
SEER			6.20	6.50	6.20	6.20
SCOP			4.30	4.30	4.40	4.40
Energy rating (medium zone)	Cooling/Heating		A++/A+	A++/A+	A++/A+	A++/A+
Outside operating temperatures	Cooling (DB)	°C	-10 to 46	-10 to 46	-15 to 46	-15 to 46
	Heating (DB)	°C	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2	1/4-1/2
Indoor unit			RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	360-505-590-660	360-505-590-660	390-540-630-720	390-540-630-720
	Heating	m3/h	444-540-630-720	444-540-630-720	450-600-690-780	450-600-690-780
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	27-31-35-38	27-33-37-40	29-35-39-43	29-35-39-43
	Heating	dB(A)	28-32-36-39	28-34-38-41	30-36-40-44	30-36-40-44
Sound power		dB(A)	54	56	56	56
Cassette dimensions (H x W x D)		mm	285x570x570	285x570x570	285x570x570	285x570x570
Cassette weight		kg	17	17	17.0	17.0
Panel dimensions (H x W x D)		mm	30x620x620	30x620x620	30x620x620	30x620x620
Panel weight		kg	2.8	2.8	2.8	2.8
Condensate pipe diameter (out)		mm	32	32	32	32
Condensate pump			Included	Included	Included	Included
Outdoor unit			RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE
Air flow	Cooling	m3/h	1920	1920	2,160	2,160
	Heating	m3/h	1620	1620	2,160	2,160
Sound pressure	Cooling	dB(A)	48	48	50	50
	Heating	dB(A)	49	49	53	53
Sound power		dB(A)	61	61	56/65	56/65
Maximum pipe length		m	20	20	30	30
Maximum height difference		m	10	10	20	20
Compressor			Rotary	Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.9 (20)	0.9 (20)	1.5 (30)	1.5 (30)
Additional refrigerant charge		g/m	not required	not required	not required	not required
Dimensions (H x W x D)		mm	548x750x288	548x750x288	750x850x298	750x850x298
Weight		kg	32.5	32.5	50.0	50.0

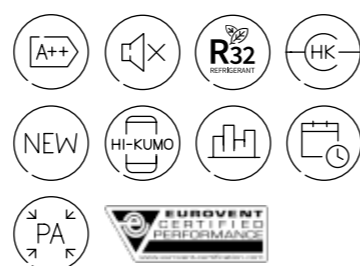
Compatible controls and accessories:



Others:
- SPX-DST1 distributor
- H-Link PSC-6RAD box
- SPX-WFG01 Wi-Fi adapter

Light Commercial Ducts

Operation down to -15°C



Condensate pump included

The LC duct is fitted with its own pump to automatically remove condensate liquid. No need to purchase additionally. (Fig. 1)

First-class energy efficiency

Lower energy consumption thanks to its A++ energy rating.* Use your air conditioning while barely noticing its effect on your electricity bill. *check model

High static pressure

Since the unit has 150Pa pressure, the ducts unit can be installed wherever they cause least disturbance. The user therefore does not have to worry about not getting enough air to the room furthest away.

Flexible installation

There is up to 30 m of cooling pipe between the indoor and outdoor units, meaning the system can be installed almost anywhere in the building. Furthermore, the height difference between them can reach up to 20 m.

Compatible with Hi-Kumo Wi-Fi control

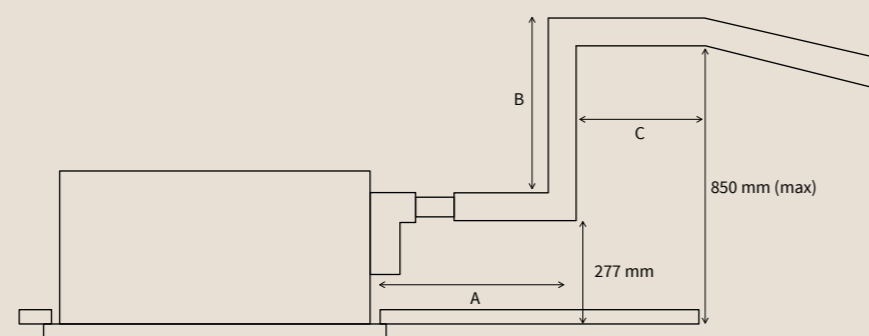
This control can be used to turn the unit on or off, increase or decrease the temperature, or

programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

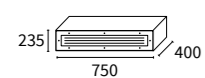
Enhanced comfort

This system allows us to choose where to measure the setpoint temperature (in the control, in the return, or the average of both values). This feature ensures enhanced comfort in the room.

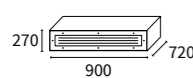
Fig. 1



Indoor units

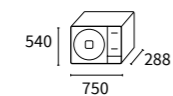


RAD-25RPE
RAD-35RPE

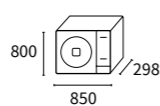


RAD-50RPE
RAD-60RPE
RAD-70PPD

Outdoor units



RAC-25NPE
RAC-35NPE



RAC-50NPE
RAC-60NPE
RAC-70NPD

Light Commercial Ducts

System			RAD 25 RPE	RAD 35 RPE	RAD 50RPE	RAD 60RPE	RAD 70PPD
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.50-3.00	0.90-3.50-4.00	1.20-5.00-5.80	1.20-6.00-6.50	1.50-7.00-8.00
	Heating (Min/Nom/Max)	kW	0.90-3.50-5.50	0.90-4.80-6.60	1.20-6.00-6.80	1.20-7.00-8.00	1.50-8.00-8.50
Consumption	Cooling (Min/Nom/Max)	kW	0.25-0.60-1.29	0.25-0.95-1.46	0.30-1.42-2.50	0.30-1.71-2.60	0.50-2.11-2.70
	Heating (Min/Nom/Max)	kW	0.25-0.88-1.50	0.25-1.26-1.92	0.30-1.57-2.65	0.30-1.84-2.65	0.50-2.20-2.80
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm2	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E
EER			4.20	3.70	3.52	3.51	3.32
COP			4.00	3.81	3.82	3.80	3.64
SEER			6.20	6.50	6.20	6.20	6.10
SCOP			4.30	4.30	4.00	4.00	4.00
Energy rating (medium zone)	Cooling/Heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Outside operating temperatures	Cooling (DB)	°C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating (DB)	°C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2	1/4-1/2	1/4-5/8
Indoor unit			RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	330-390-450-510	330-390-450-510	350-540-800-1,140	350-540-800-1,140	350-540-800-1,140
	Heating	m3/h	330-390-450-510	330-390-450-510	350-540-800-1,140	350-540-800-1,140	350-540-800-1,140
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	30-33-37-41	30-33-37-41	29-32-35-39	29-32-35-39	29-32-35-39
	Heating	dB(A)	30-34-38-42	30-34-38-42	29-32-35-40	29-32-35-40	29-32-35-40
Sound power		dB(A)	57	57	53	53	53
Dimensions (H x W x D)		mm	235x750x400	235x750x400	270x900x720	270x900x720	270x900x720
Weight		kg	16.0	16.0	35.0	35.0	35.0
Condensate pipe diameter (out)		mm	16	16	32	32	32
Condensate pump			Included	Included	Included	Included	Included
Outdoor unit			RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Air flow	Cooling	m3/h	1,920	1,920	2,160	2,160	2,700
	Heating	m3/h	1,620	1,620	2,160	2,160	2,700
Sound pressure	Cooling	dB(A)	48	48	50	50	50
	Heating	dB(A)	49	49	53	53	53
Sound power		dB(A)	61	61	53/65	53/65	53/65
Maximum pipe length		m	20	20	30	30	30
Maximum height difference		m	10	10	20	20	20
Compressor			Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.9 (20)	0.9 (20)	1.5 (30)	1.5 (30)	1.6 (30)
Additional refrigerant charge		g/m	not required	not required	not required	not required	not required
Dimensions (H x W x D)		mm	548x750x288	548x750x288	750x850x298	750x850x298	800x850x298
Weight		kg	32.5	32.5	50.0	50.0	52.0

Compatible controls and accessories:



Wireless Eco Control
SPX-RCKA1

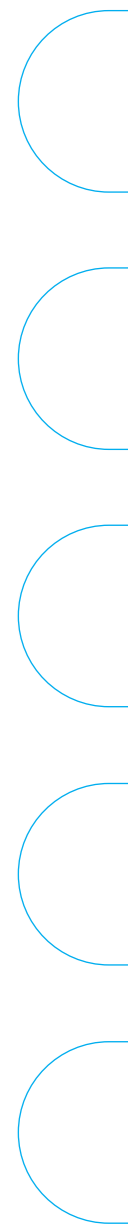


Simplified wired control
SPX-RCDA



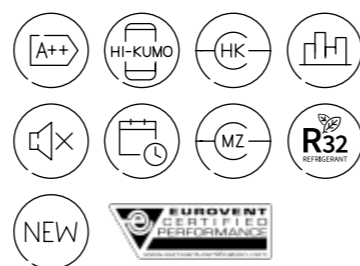
Programmable wired control
SPX-WKT3

Others:
- SPX-DST1 distributor
- H-Link PSC-6RAD box
- SPX-WFG01 Wi-Fi adapter



Shirokuma Console

A unit with discreet design and high performance



Extended air flow

The air can reach every corner of the room thanks to its greater **dynamic air flow**. The room is air conditioned (heated or cooled) at the touch of a button on the remote control.

(Fig. 1)

Flexibility with Multizone range

The Shirokuma console is compatible with all Multizone outdoor units, so more than one can be installed in multiple rooms with a single outdoor unit.

High performance

The system has A++ energy rating, ensuring high performance with low running costs.

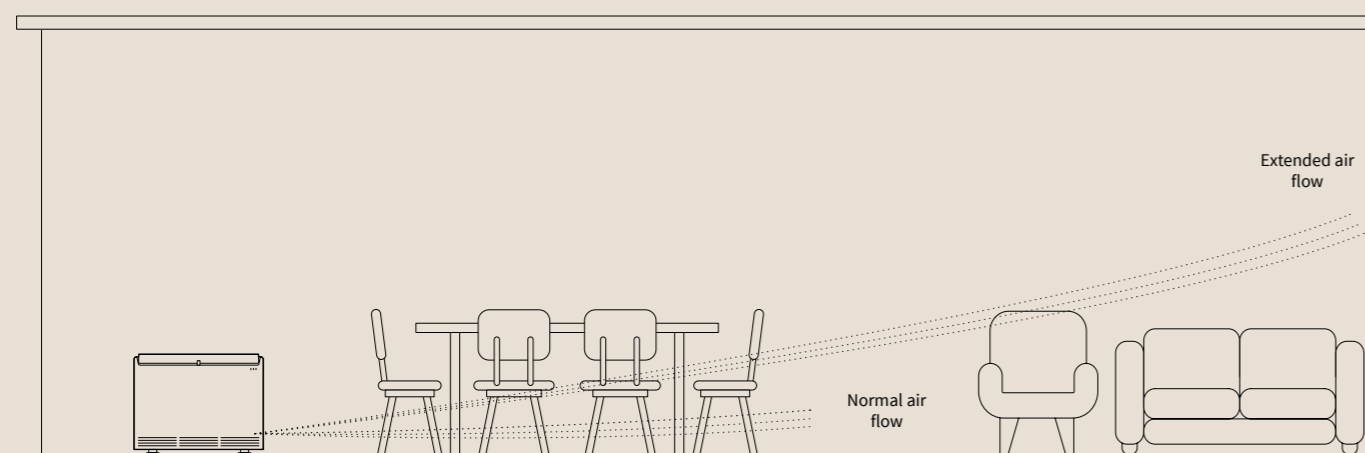
Control options

The system is fitted with Eco Control as standard. It is also compatible with the wired remote control with 12 h timer and with the H-Link adapter.

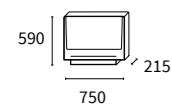
Compatible with Hi-Kumo

The entire Hitachi residential range is compatible with the Hi-Kumo system, which allows the system to be controlled **from any mobile device** as if it were a remote control.

Fig. 1

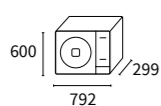


Indoor units

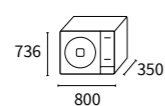


RAF-25RXE
RAF-35RXE
RAF-50RXE

Outdoor units



RAC-25FXE
RAC-35FXE

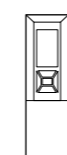


RAC-50FXE

Shirokuma Console

System			Shirokuma F 25 RXE	Shirokuma F 35 RXE	Shirokuma F 50 RXE
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.50-3.10	0.90-3.50-4.00	0.90-5.00-5.20
	Heating (Min/Nom/Max)	kW	0.90-3.40-4.40	0.90-4.50-5.00	0.90-6.00-8.10
Consumption	Cooling (Min/Nom/Max)	kW	0.25-0.54-1.00	0.25-0.93-1.38	0.50-1.39-2.10
	Heating (Min/Nom/Max)	kW	0.25-0.76-1.20	0.25-1.15-1.50	0.50-1.58-2.70
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm2	3 x 1.5 + E	3 x 1.5 + E	3 x 2.5 + E
EER			4.65	3.75	3.60
COP			4.50	3.90	3.80
SEER			8.50	8.20	6.80
SCOP			4.60	4.60	4.30
Energy rating (medium zone)	Cooling/Heating		A+++/A+	A+/A++	A++/A+
Outside operating temperatures	Cooling (DB)	°C	-10 to 46	-10 to 46	-10 to 46
	Heating (DB)	°C	-20 to 24	-20 to 24	-20 to 24
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2
Remote control included			Wireless - RAR-6NE4	Wireless - RAR-6NE4	Wireless - RAR-6NE4
Indoor unit			RAF-25RXE	RAF-35RXE	RAF-50RXE
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	270-390-510-630	270-390-510-660	300-450-540-720
	Heating	m3/h	300-420-540-660	300-420-540-690	330-480-570-750
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	20-26-31-38	20-26-31-39	22-29-36-43
	Heating	dB(A)	20-26-31-38	20-26-31-39	22-29-36-44
Sound power		dB(A)	52	53	57
Dimensions (H x W x D)		mm	590x750x215	590x750x215	590x750x215
Weight		kg	15.0	15.0	15.0
Condensate pipe diameter (out)		mm	16	16	16
Outdoor unit			RAC-25FXE	RAC-35FXE	RAC-50FXE
Air flow	Cooling	m3/h	1,860	1,920	2,160
	Heating	m3/h	1,620	1,620	2,160
Sound pressure	Cooling	dB(A)	45	47	51
	Heating	dB(A)	47	49	53
Sound power		dB(A)	59	61	65
Minimum pipe length		m	3	3	3
Maximum pipe length		m	20	20	30
Maximum height difference		m	10	10	10
Compressor			Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.98 (20)	0.98 (20)	1.20 (30)
Additional refrigerant charge		g/m	-	-	-
Dimensions (H x W x D)		mm	600x792x299	600x792x299	736x800x350
Weight		kg	37	37	51

Compatible controls and accessories:



Eco Control
RAR-6NE4
Included



Wired control
SPX-RCDB



Programmable wired control
SPX-WKT3

Others:

- H-Link PSC-6RAD box
- SPX-WFG01 WIFI adapter

The R410A 1x1 systems are the ideal solution for high performance and maximum discretion in properties, shops or small independent spaces within large facilities. Its simple but precise technology ensures optimal comfort whatever the season.

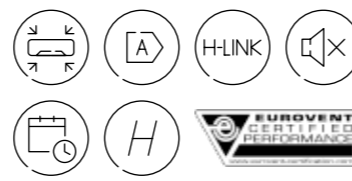


R410A 1x1 Systems



Wall-mounted IVX

Quiet and compact perfect for homes and businesses



Improved performance at extreme temperatures

This system can work down to -20 °C in heating, and up to 46 °C in cooling.

Built-in expansion valve in the indoor unit

Being located inside the indoor unit ensures a more efficient process and more accurate temperature control.

Smart defrost control

The machine remembers previous defrost cycles and so can use intelligent predictions on when to start the cycle to reduce the length of time heating is suspended. It also detects ice buildup and sends hot gas to the OU so as to avoid activating the defrost cycle at all. (Fig. 1)

Compact unit

Up to 14 kW (6 HP) with a single fan; 0.35 m² of floorspace occupied.

Greater flexibility

The installation of 3 and 4 HP units allows up to 70m of pipe run and 30m of height difference. (Fig. 2)

Easy installation of up to 4 units

Allows independent climate control of up to 4 different spaces. Installation is simplified thanks to a common refrigerant circuit. See the VRF section for combinations and connections

Fig. 1

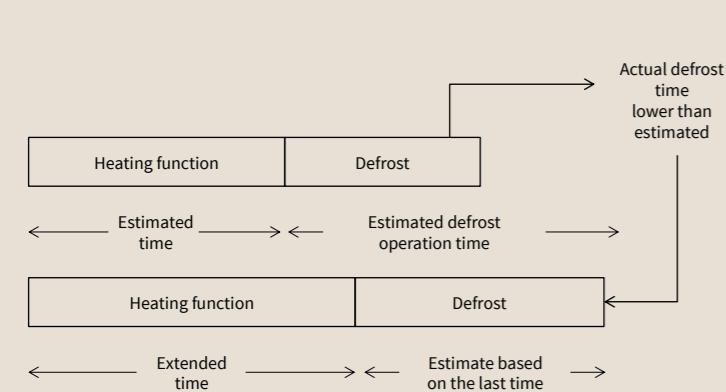
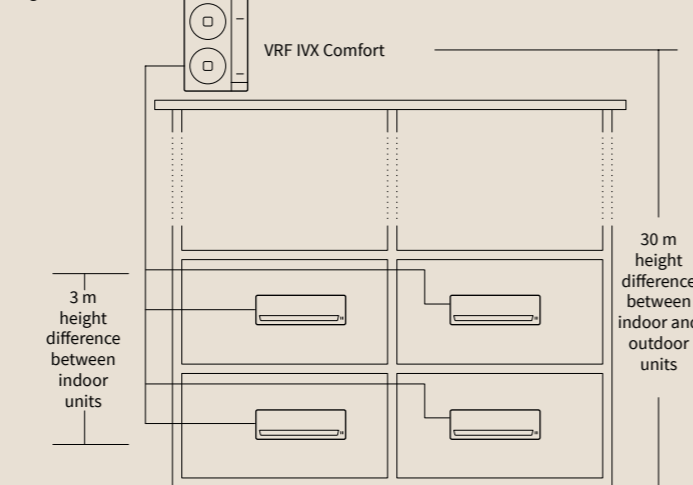
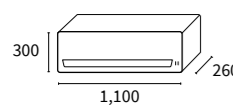


Fig. 2

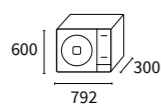


Indoor units

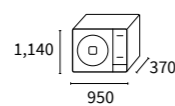


RPK-2.0FSN4M
RPK-2.5FSN4M
RPK-3.0FSN4M
RPK-4.0FSN4M

Outdoor units



RAS-2HVNP1
RAS-2.5HVNP1
RAS-3HVNC1



RAS-4H(V)NC1E

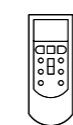
Wall-mounted IVX

System			RPK 2 IVX	RPK 2.5 IVX	RPK 3 IVX	RPK 4 IVX
Capacity	Cooling (Min/Nom/Max)	kW	2.20-5.00-5.60	2.20-5.60-6.30	3.20-7.10-8.00	4.50-10.00-11.20
	Heating (Min/Nom/Max)	kW	2.20-5.60-7.10	2.20-6.30-8.00	3.50-8.00-10.60	5.00-11.20-14.00
Consumption	Cooling (nom)	kW	1.55	1.69	2.64	4.65
	Heating (nom)	kW	1.51	1.68	2.73	3.56
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
			-	-	-	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)		mm2	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75
EER			3.23	3.31	2.69	2.15
COP			3.70	3.75	2.93	3.15
SEER	Single-phase		5.47	5.24	5.35	5.56
	Three-phase		-	-	-	5.45
SCOP	Single-phase		4.01	4.14	3.80	3.83
	Three-phase		-	-	-	3.83
Energy rating (medium zone)	Cooling/Heating		A/A+	A/A+	A/A	A/A
Outside operating temperatures	Cooling (DB)	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating (WB)	°C	-20 to 15	-20 to 15	-20 to 15	-20 to 15
Pipe diameter	Liquid-gas	inches	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8
Indoor unit			RPK-2.0FSN4M	RPK-2.5FSN4M	RPK-3.0FSN4M	RPK-4.0FSN4M
Air flow (Low - Medium - High - Very high)		m3/h	570-660-780-870	720-840-990-1,100	750-930-1,050-1,200	870-1,050-1,200-1,380
Sound pressure (Low - Medium - High - Very high)		dB(A)	31-34-37-40	35-38-42-45	35-40-44-47	41-46-49-51
Sound power		dB(A)	55	60	63	65
Dimensions (H x W x D)		mm	300x1,100x260	300x1,100x260	300x1,100x260	300x1,100x260
Weight		kg	14.5	15.0	15.0	15.0
Condensate pipe diameter (out)		mm	20	20	20	20
Outdoor unit			RAS-2HVNP1	RAS-2.5HVNP1	RAS-3HVNC1	RAS-4H(V)NC1E
Air flow		m3/h	2,436	2,436	2,682	3,720
Sound pressure	Cooling	dB(A)	44	45	48	52
	Heating	dB(A)	46	47	50	54
Sound power		dB(A)	62	63	66	68
N° fans			1	1	1	1
Maximum current	Single-phase	A	13.8	15.8	17.8	15.5
	Three-phase	A	-	-	-	28.5
Minimum pipe length		m	5	5	5	5
Maximum pipe length		m	50	50	50	70
Maximum height difference (highest OU/lowest OU)		m	30/20	30/20	30/20	30/20
Compressor			Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant			R-410A	R-410A	R-410A	R-410A
Refrigerant charge (length without additional charge)		kg (m)	1.6 (30)	1.6 (30)	1.9 (20)	3.2 (30)
Additional refrigerant charge		g/m	30	30	40	40
Dimensions (H x W x D)		mm	600x792x300	600x792x300	600x792x300	1,140x950x370
Weight		kg	43.0	43.0	44.0	79.0

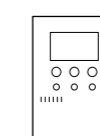
Compatible controls and accessories:



Wired control with timer
PC-ARFP1E



Wireless remote control
PC-AWR



Simplified remote control
PC-ARH

Others:

- Optional functions connector (5 units): PCC- 1A
- Receiver kit for PC- AWR control PC-ALHZ1. Compatible with RPK-FSN(H)3M





Primary ducts

The best value for money



Highly flexible installation

The Primary range of ducts allows the outdoor unit to be installed up to 50m away from the indoor unit and has a potential height difference of 30m: great for installing on roofs out of sight. (Fig. 1)

Built-in drain pan

The new built in drainage tray reduces dust accumulation and prevents water leakage and mold buildup. (Fig. 2)

Extensive static pressure range

Greater flexibility thanks to the extensive range of optional static pressures for long ducts and multi-zone applications.

Extensive range for all types of installations

The extensive Primary range of 3, 4, 5, 6 and 6.5 HP ducts has up to A++ energy efficiency.

Flexible air return from the underneath or at the back

Different circumstances can require flexibility of air intake depending on needs such as space constraints. This intake can be changed without changing the unit. (Fig. 3)

Fig. 1

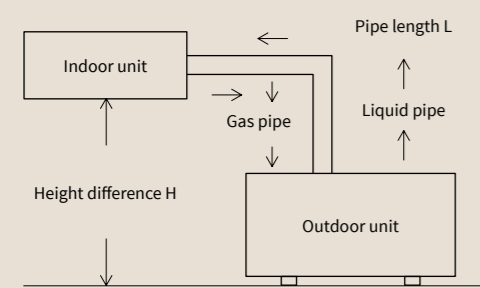


Fig. 2

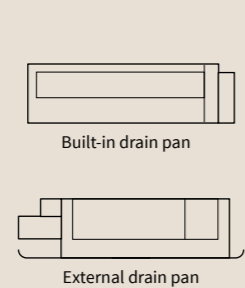
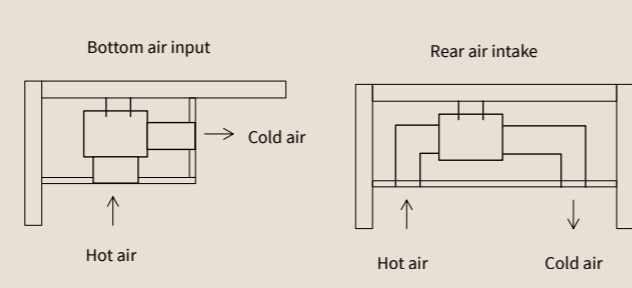
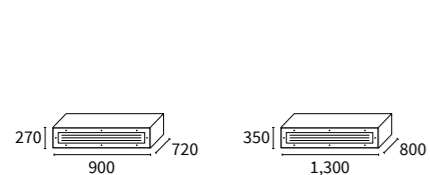


Fig. 3

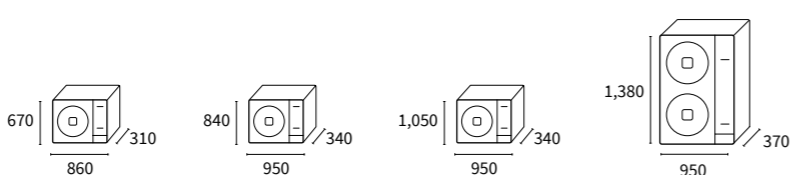


Indoor units



RPIH-4.0UNE1NH
RPIH-5.0UNE1NH
RPIH-6.0UNE1NH
RPIH-6.5UNE1NH

Outdoor units



RAS-3.0UNESNH1
RAS-4.0UNESNH1
RAS-5.0UNESMH1
RAS-6.5UNESMH1

Primary Duct Range

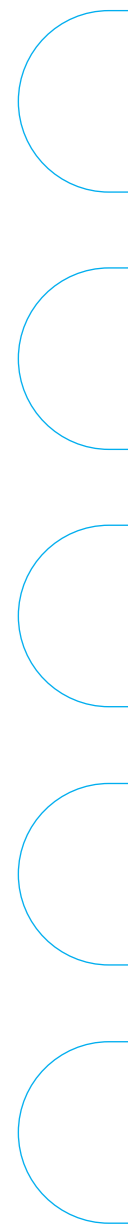
System			RPIH-3.0UNE1NH	RPIH-4.0UNE1NH	RPIH-5.0UNE1NH	RPIH-6.0UNE1NH	RPIH-6.5UNE1NH
Capacity	Cooling (Min/Nom/Max)	kW	2.70-6.80-7.85	2.93-10.10-12.00	3.30-12.03-13.20	3.20-13.48-16.00	4.98-15.76-18.00
	Heating (Min/Nom/Max)	kW	2.77-7.94-8.70	3.32-11.45-13.00	3.00-14.00-14.60	3.40-16.70-18.50	5.20-18.46-20.50
Consumption	Cooling (nom)	kW	2.23	3.31	4.30	4.46	6.06
	Heating (nom)	kW	2.30	3.40	4.10	4.97	5.72
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)		mm2	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
EER			3.05	3.05	2.80	3.02	2.60
COP			3.46	3.38	3.41	3.42	3.23
SEER			6.17	6.23	5.71	6.08	5.99
SCOP			3.85	3.80	3.77	3.78	3.68
Energy rating (medium zone)	Cooling/Heating		A++/A	A++/A	A+/A	A+/A	A+/A
	Outside operating temperatures						
Pipe diameter	Cooling (DB)	°C	-15 to 48	-15 to 48	-15 to 48	-15 to 48	-15 to 48
	Heating (DB)	°C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Remote control included	Liquid-gas	inches	3/8-5/8	3/8-5/8*	3/8-5/8*	3/8-5/8*	3/8-5/8*
			Wired - HCWA21NEWH	Wired - HCWA21NEWH	Wired - HCWA21NEWH	Wired - HCWA21NEWH	Wired - HCWA21NEWH
Indoor unit			RPIH-3.0UNE1NH	RPIH-4.0UNE1NH	RPIH-5.0UNE1NH	RPIH-6.0UNE1NH	RPIH-6.5UNE1NH
Air Flow (Low - Medium - High)		m3/h	852-976-1.100	1.050-1.250-1.450	1.300-1.500-1.750	1.900-2.200-2.400	1.900-2.200-2.400
Available pressure (range)		Pa	25 (0-80)	37 (0-120)	50 (0-120)	50 (0-120)	50 (0-120)
Sound pressure (Low - Medium - High)		dB(A)	38-36-34	39-36-35	41-39-35	46-43-40	46-43-40
Sound power		dB(A)	58	62	67	70	72
Dimensions (H x W x D)		mm	270x900x720	350x1,300x800	350x1,300x800	350x1,300x800	350x1,300x800
Weight		kg	32.0	51.0	51.0	51.0	51.0
Condensate pipe diameter (out)		mm	32	32	32	32	32
Condensate pump			Included	Included	Included	Included	Included
Outdoor unit			RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1
Air flow		m3/h	3,000	3,500	5,800	6,200	6,200
Sound Pressure (High)		dB(A)	53	56	58	56	57
Sound power		dB(A)	68	70	74	69	73
N° fans			1	1	1	2	2
Maximum current		A	18.1	22.5	11.6	12.0	13.1
Maximum pipe length		m	50	50	50	50	50
Maximum height difference		m	30	30	30	30	30
Compressor			Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant			R410A	R410A	R410A	R410A	R410A
Refrigerant charge (length without additional charge)		kg (m)	1.70 (5)	2.80 (5)	3.20 (5)	3.78 (5)	3.95 (5)
Additional refrigerant charge		g/m	35	35	35	35	35
Dimensions (H x W x D)		mm	670x860x310	840x950x340	1,050x950x340	1,386x950x340	1,386x950x340
Weight		kg	51.0	70.0	85.0	113.0	117.0

*Reducer required. If not, install with 3/8-3/4 diameter pipe

Compatible controls and accessories:

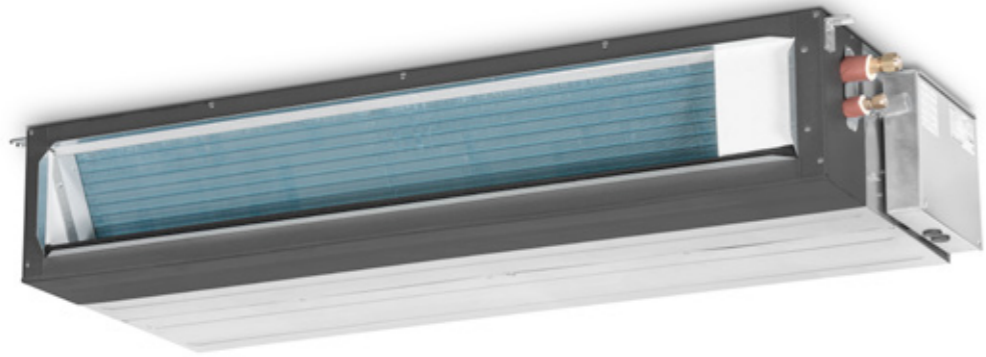
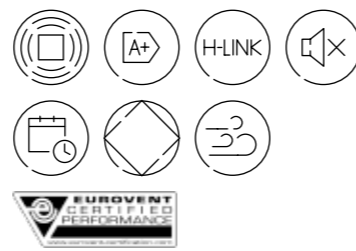
Wired remote control
HCWA21NEWH
Included

Simplified wireless remote control
HRBA31NEGH
Optional



IVX ducts

Quiet and compact, perfect for homes and businesses



Built-in condensate pump

Hitachi ducts are fitted with a built-in pump to drive the condensate to a downpipe.

Compact unit

Up to 14 kW (6 HP) with a single fan; 0.35 m² of floorspace occupied.

Built-in expansion valve in the indoor unit

Being located inside the indoor unit ensures a more efficient process and more accurate temperature control.

Smart defrost control

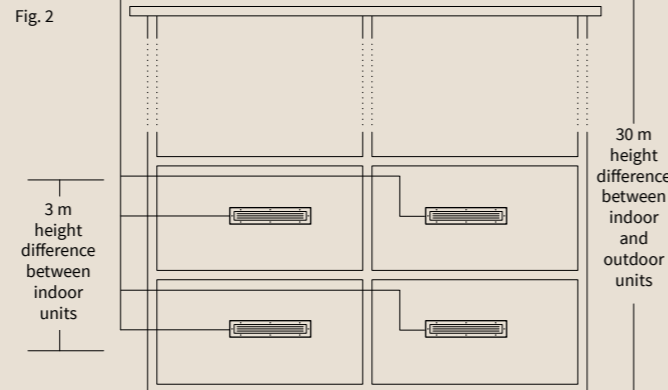
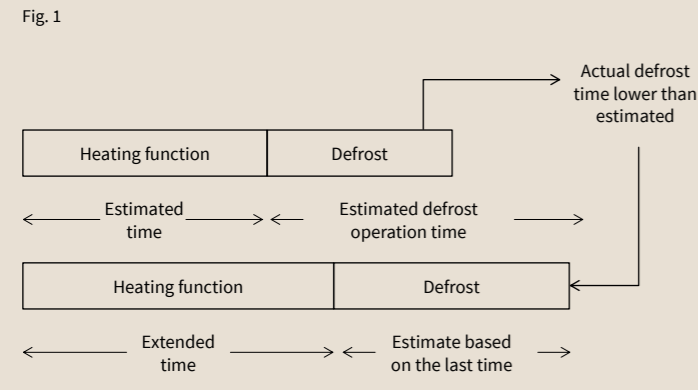
The machine remembers previous defrost cycles and so can use intelligent predictions on when to start the cycle to reduce the length of time heating is suspended. It also detects ice buildup and sends hot gas to the OU so as to avoid activating the defrost cycle at all. (Fig. 1)

Greater flexibility

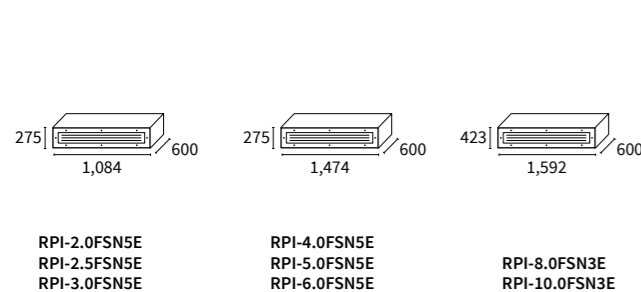
The installation of 3 and 4 HP units allows up to 70m of pipe run and 30m of height difference. (Fig. 2)

Easy installation of up to 4 units

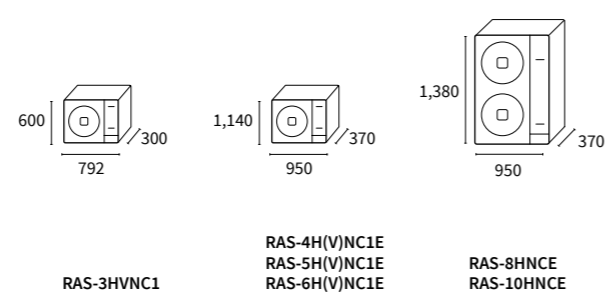
Allows independent climate control of up to 4 different spaces. Installation is simplified thanks to a common refrigerant circuit. See the VRF section for combinations and connections



Indoor units



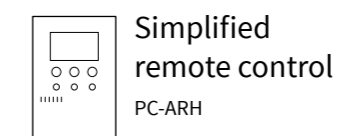
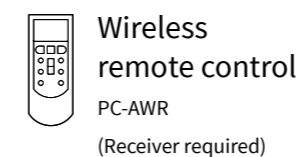
Outdoor units



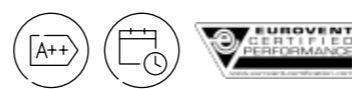
IVX ducts

System		RPI 2 IVX	RPI 2.5 IVX	RPI 3 IVX	RPI 4 IVX	RPI 5 IVX	RPI 6 IVX	RPI 8 IVX	RPI 10 IVX
Capacity	Cooling (Min/Nom/Max) kW	2.20-5.00-5.60	2.20-5.60-6.30	3.20-7.10-8.00	4.50-10.00-11.20	5.70-12.50-14.00	6.00-14.00-16.00	8.00-20.00-22.40	10.00-25.00-28.00
	Heating (Min/Nom/Max) kW	2.20-5.60-7.10	2.20-6.30-8.00	3.50-8.00-10.60	5.00-11.20-14.00	5.00-14.00-18.00	5.00-16.00-20.00	6.30-22.40-28.00	8.00-28.00-35.00
Consumption	Cooling (nom) kW	1.41	1.60	2.53	3.10	3.93	4.55	5.95	8.28
	Heating (nom) kW	1.50	1.65	2.26	2.78	3.95	4.40	5.88	7.71
Electrical power		1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	-	-
		-	-	-	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)	mm2	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75
EER		3.54	3.49	2.81	3.23	3.18	3.08	3.36	3.02
COP		3.73	3.81	3.54	4.03	3.54	3.64	3.81	3.63
SEER	Single-phase	5.60	5.51	4.97	5.27	5.88	5.67	-	-
	Three-phase	-	-	-	5.38	5.84	5.64	6.79	6.61
SCOP	Single-phase	4.01	4.33	3.80	4.01	3.91	3.96	-	-
	Three-phase	-	-	-	4.01	3.90	3.96	4.19	3.79
Energy rating (medium zone)	Cooling/Heating	A+/A+	A/A+	B/A	A/A+	A/B	B/C	-	-
Outside operating temperatures	Cooling (DB) °C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating (WB) °C	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15
Pipe diameter	Liquid-gas inches	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	3/8-3/4	3/8-7/8
Indoor unit		RPI-2.0FSN5E	RPI-2.5FSN5E	RPI-3.0FSN5E	RPI-4.0FSN5E	RPI-5.0FSN5E	RPI-6.0FSN5E	RPI-8.0FSN3E	RPI-10.0FSN3E
Air flow (Low - Medium - High)	m ³ /h	600-750-960	780-960-1,140	960-1,140-1,320	1,500-1,680-1,800	1,740-1,920-2,100	1,800-1,980-2,160	3,570-3,960-3,960	4,056-4,500-4,500
Available pressure (range)	Pa	30 (0-120)	30 (0-125)	30 (0-125)	45 (0-120)	50 (0-140)	50 (0-140)	180 (140-220)	180 (140-220)
Sound pressure (Low - Medium - High)	dB(A)	27-29-29	28-30-30	29-31-31	32-35-37	33-35-38	33-36-39	51-54-54	52-55-55
Sound power (high)	dB(A)	55	56	57	62	65	66	77	78
Dimensions (H x W x D)	mm	275x1,084x600	275x1,084x600	275x1,084x600	275x1,474x600	275x1,474x600	275x1,474x600	423x1,592x600	423x1,592x600
Weight	kg	35.0	36.0	36.0	48.0	48.0	48.0	85.0	87.0
Condensate pipe diameter (out)	mm	32	32	32	32	32	32	25	25
Condensate pump		Included	Included	Included	Included	Included	Included	Not included	Not included
Maximum condensate height	mm	850	850	850	850	850	850	-	-
Outdoor unit		RAS-2HVNP1	RAS-2.5HVNP1	RAS-3HVNC1	RAS-4H(V)NC1E	RAS-5H(V)NC1E	RAS-6H(V)NC1E	RAS-8HNCE	RAS-10HNCE
Air flow	m ³ /h	2,436	2,436	2,682	3,720	4,080	4,800	7,620	8,040
Sound pressure	Cooling dB(A)	44	45	48	52	52	55	57	58
	Heating dB(A)	46	47	50	54	54	57	59	60
Sound power	dB(A)	62	63	66	68	69	71	76	76
N° fans		1	1	1	1	1	1	2	2
Maximum current	Single-phase A	13.8	15.8	17.8	15.5	15.0	15.5	-	-
	Three-phase A	-	-	-	28.5	28.0	28.5	24.0	24.0
Maximum pipe length	m	50	50	50	70	75	75	100	100
Maximum height difference (highest OU/lowest OU)	m	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20
Compressor		Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant		R-410	R-410	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (length without additional charge)	kg (m)	1.6 (30)	1.6 (30)	1.9 (20)	3.2 (30)	3.2 (30)	3.2 (30)	5.7 (30)	6.2 (30)
Additional refrigerant charge	g/m	30	30	40	40	60	60	must be calculated	must be calculated
Dimensions (H x W x D)	mm	600x792x300	600x792x300	600x792x300	1,140x950x370	1,140x950x370	1,140x950x370	1,380x950x370	1,380x950x370
Weight	kg	43.0	43.0	44.0	79.0	89.0	89.0	136.0	138.0

Compatible controls and accessories:



Others:
 - SOR-MSK presence sensor kit. Compatible with RPI-(0.4-3.0)FSN5E
 - Optional functions connector (5 units) PCC- 1A



Primary Cassette

The best value for money



Uniform distribution of air in the room

The Primary range cassette-type units allow the air flow to be adjusted according to the user's preferences: horizontal or vertical. The air conditioning flow can also be directed for optimal comfort: it can be distributed throughout the room or positioned so it is directed at a particular point.

(Fig. 1)

Cool, ventilated environment

These units have a fresh air input from outside to keep the environment fresh and ventilated. They allow approximately 15 m³/h of fresh air flow.

Clean air thanks to the washable easy-access filter.

The cassette filter is washable for easier cleaning and maintenance, always assuring fresh, clean air.

(Fig. 2)

Straightforward control of the unit

The units have a built-in remote sensor for easy control from the remote control.

(Fig. 3)

Smart temperature setting

Fan speed can be adjusted according to the height of the cassette installation using the wireless control. This function corrects any temperature difference in the room to ensure user comfort.

(Fig. 4)

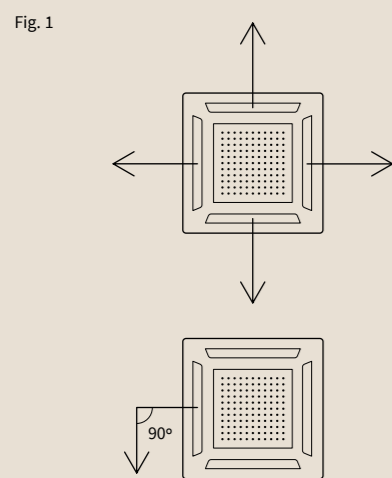


Fig. 1

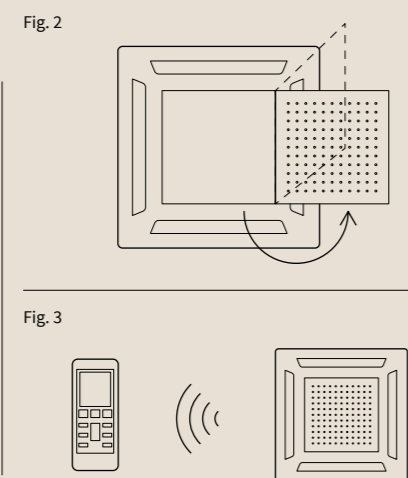


Fig. 2

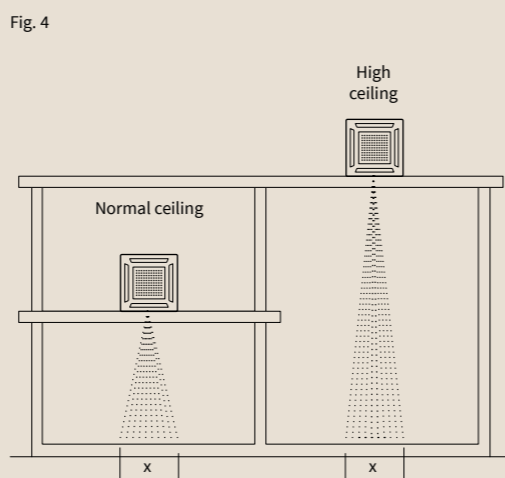
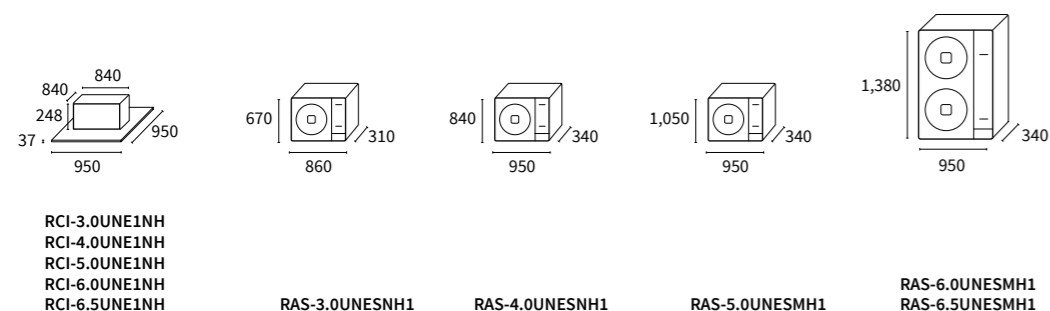


Fig. 4

Indoor units

Outdoor units

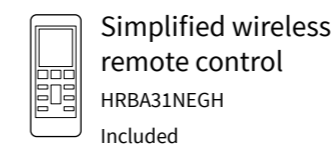
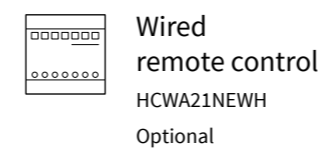


Primary Cassette

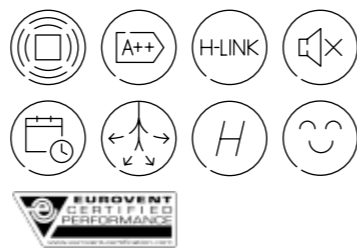
System			RCI-3.0UNE1NH	RCI-4.0UNE1NH	RCI-5.0UNE1NH	RCI-6.0UNE1NH	RCI-6.5UNE1NH
Capacity	Cooling (Min/Nom/Max)	kW	2.70-7.07-7.85	2.93-10.30-12.00	3.30-12.07-13.20	3.40-13.40-16.20	4.98-14.50-18.00
	Heating (Min/Nom/Max)	kW	2.77-8.20-8.80	3.32-11.50-13.00	3.00-14.00-14.60	3.30-16.44-18.00	5.00-17.60-21.00
Consumption	Cooling (nom)	kW	2.21	3.43	4.20	4.62	5.50
	Heating (nom)	kW	2.37	3.60	3.90	4.85	5.71
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
EER			3.20	3.00	2.88	2.90	2.64
COP			3.46	3.19	3.59	3.39	3.08
SEER			6.46	6.13	5.72	6.01	5.87
SCOP			4.08	3.90	3.80	3.87	3.80
Energy rating (medium zone)	Cooling/Heating		A++/A+	A++/A	A+/A	A+/A	A+/A
Pipe diameter	Liquid-gas	inches	3/8-5/8	3/8-5/8*	3/8-5/8*	3/8-5/8*	3/8-5/8*
Remote control included			Wireless - HRBA31NEGH	Wireless - HRBA31NEGH	Wireless - HRBA31NEGH	Wireless - HRBA31NEGH	Wireless - HRBA31NEGH
Indoor unit			RCI-3.0UNE1NH	RCI-4.0UNE1NH	RCI-5.0UNE1NH	RCI-6.0UNE1NH	RCI-6.5UNE1NH
Air Flow (Low - Medium - High)		m ³ /h	852-976-1.100	1.000-1.300-1.600	1.550-1.700-1.850	1.700-1.900-2.000	1.700-1.900-2.000
Sound pressure (Low - Medium - High)		dB(A)	36-40-43	42-45-49	45-46-50	41-45-52	44-46-52
Sound power		dB(A)	57	61	62	64	62
Cassette dimensions (H x W x D)		mm	248x840x840	248x840x840	298x840x840	298x840x840	298x840x840
Cassette weight		kg	25.0	27.0	32.0	32.0	32.0
Panel dimensions (H x W x D)		mm	37x950x950	37x950x950	37x950x950	37x950x950	37x950x950
Panel weight		kg	6.0	6.0	6.0	6.0	6.0
Condensate pipe diameter (out)		mm	32	32	32	32	32
Condensate pump			Included	Included	Included	Included	Included
Outdoor unit			RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1
Air flow		m ³ /h	3,000	3,500	5,800	6,200	6,200
Sound pressure		dB(A)	53	56	58	56	57
Sound power		dB(A)	68	70	74	69	73
N° fans			1	1	1	2	2
Maximum current		A	18.1	22.5	11.6	11.0	13.1
Maximum pipe length		m	50	50	50	50	50
Maximum height difference (highest OU/lowest OU)		m	30	30	30	30	30
Compressor			Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge (length without additional charge)		kg (m)	1.7 (5)	2.8 (5)	3.2 (5)	3.78 (5)	3.95 (5)
Additional refrigerant charge		g/m	35	35	35	35	35
Dimensions (H x W x D)		mm	670x860x310	840x950x340	1,050x950x340	1,386x950x340	1,386x950x340
Weight		kg	51.0	70.0	85.0	113.0	117.0

*Reducer required. If not, install with 3/8-3/4 diameter pipe

Compatible controls and accessories:



IVX Cassette



Quiet and compact, perfect for homes and businesses



Built-in condensate pump

Hitachi cassettes are fitted with a built-in pump to drive the condensate to a downpipe.

Presence sensor

A presence sensor can be fitted in order to optimise energy consumption. (Fig. 1)

Built-in expansion valve in the indoor unit

Being located inside the indoor unit ensures a more efficient process and more accurate temperature control.

Smart defrost control

The machine remembers previous defrost cycles and so can use intelligent predictions on when to start the cycle to reduce the length of time heating is suspended. It also detects ice buildup and sends hot gas to the OU so as to avoid activating the defrost cycle at all. (Fig. 1)

Greater flexibility

The installation of 3 and 4 HP units allows up to 70m of pipe run and 30m of height difference. (Fig. 2)

Easy installation of up to 4 units

Allows independent climate control of up to 4 different spaces. Installation is simplified thanks to a common refrigerant circuit.

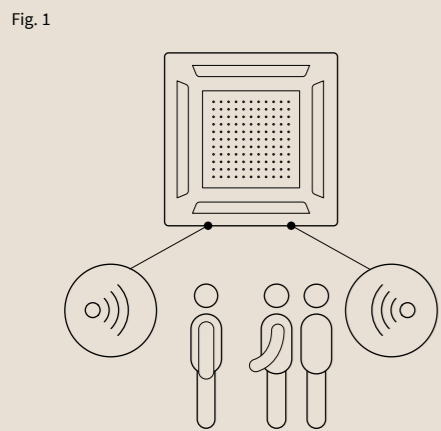
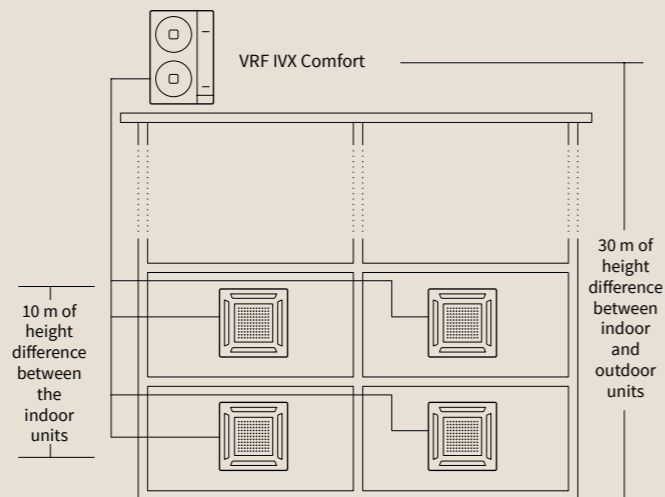
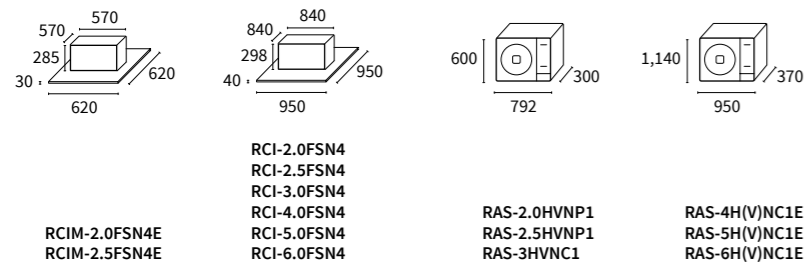


Fig. 2



Indoor units

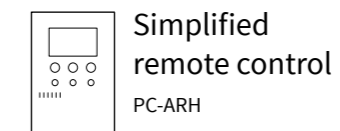
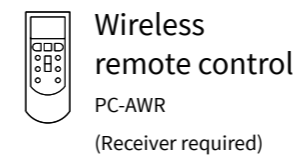
Outdoor units



IVX Cassette

System			RCIM 2 IVX	RCIM 2.5 IVX	RCI 2 IVX	RCI 2.5 IVX	RCI 3 IVX	RCI 4 IVX	RCI 5 IVX	RCI 6 IVX
Capacity	Cooling (Min/Nom/Max)	kW	2.20-5.00-5.60	2.20-5.60-6.30	2.20-5.00-5.60	2.20-5.60-6.30	3.20-7.10-8.00	4.50-10.00-11.20	5.70-12.50-14.00	6.00-14.00-16.00
	Heating (Min/Nom/Max)	kW	2.20-5.60-7.10	2.20-6.30-8.00	2.20-5.60-7.10	2.20-6.30-8.00	3.50-8.00-10.60	5.00-11.20-14.00	5.00-14.00-18.00	5.00-16.00-20.00
Consumption	Cooling (nom)	kW	1.45	1.72	1.24	1.34	2.26	2.70	3.71	4.29
	Heating (nom)	kW	1.47	1.57	1.20	1.28	2.00	2.45	3.60	3.78
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
			-	-	-	-	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)		mm2	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75
EER			3.45	3.25	4.03	4.18	3.14	3.70	3.37	3.26
COP			3.80	4.02	4.68	4.92	4.00	4.57	3.89	4.23
SEER	Single-phase		5.67	5.61	6.49	6.05	6.00	6.57	6.10	5.88
	Three-phase		-	-	-	-	-	6.41	6.06	5.85
SCOP	Single-phase		4.00	4.41	4.67	4.77	4.21	4.47	4.00	4.05
	Three-phase		-	-	-	-	-	4.47	4.00	4.05
Energy rating (medium zone)	Cooling/Heating		A+/A+	A+/A+	A++/A++	A+/A++	A+/A+	A++/A+	A/A	A/B
Outside operating temperatures	Cooling (DB)	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating (WB)	°C	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15
Pipe diameter	Liquid-gas	inches	1/4-1/2	3/8-5/8	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8
Indoor unit			RCIM-2.0FSN4E	RCIM-2.5FSN4E	RCI-2.0FSN4	RCI-2.5FSN4	RCI-3.0FSN4	RCI-4.0FSN4	RCI-5.0FSN4	RCI-6.0FSN4
Air flow (Very low - Low - Medium - High)		m3/h	480-600-720-900	600-720-840-960	660-840-1.020-1.320	840-1.080-1.380-1.620	840-1.080-1.380-1.620	1.200-1.440-1.860-2.220	1.260-1.560-1.980-2.220	1.320-1.680-2.100-2.220
Sound pressure (Very low - Low - Medium - High)		dB(A)	31-35-39-45	35-39-43-47	27-30-32-37	28-32-36-42	28-32-36-42	33-39-43-48	35-40-45-48	37-41-46-48
Sound power		dB(A)	56	60	55	56	57	64	64	64
Cassette dimensions (H x W x D)		mm	285-570-570	285-570-570	248x840x840	248x840x840	298x840x840	298x840x840	298x840x840	298x840x840
Cassette weight		kg	17.0	17.0	21.0	22.0	26	26	26	26
Panel dimensions (H x W x D)		mm	30x620x620	30x620x620	40x950x950	40x950x950	40x950x950	40x950x950	40x950x950	40x950x950
Panel weight		kg	2.5	2.5	6.5	6.5	6.5	6.5	6.5	6.5
Condensate pipe diameter (out)		mm	32	32	32	32	32	32	32	32
Condensate pump			Included	Included	Included	Included	Included	Included	Included	Included
Maximum condensate height		mm	850	850	850	850	850	850	850	850
Outdoor unit			RAS-2HVNP1	RAS-2.5HVNP1	RAS-2HVNP1	RAS-2.5HVNP1	RAS-3HVNC1	RAS-4H(V)NC1E	RAS-5H(V)NC1E	RAS-6H(V)NC1E
Air flow		m3/h	2,436	2,436	2,436	2,436	2,682	3,720	4,080	4,800
Sound pressure	Cooling	dB(A)	44	45	44	45	48	52	52	55
	Heating	dB(A)	46	47	46	47	50	54	54	57
Sound power		dB(A)	62	63	62	63	66	68	69	71
N° fans			1	1	1	1	1	2	2	2
Maximum current	Single-phase	A	13.8	15.8	13.8	15.8	17.8	15.5	15.0	15.5
	Three-phase	A	-	-	-	-	-	28.5	28.0	28.5
Minimum pipe length		m	5	5	5	5	5	5	5	5
Maximum pipe length		m	50	50	50	50	50	70	75	75
Maximum height difference (highest OU/lowest OU)		m	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20
Compressor			Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge (length without additional charge)		kg (m)	1.6 (30)	1.6 (30)	1.6 (30)	1.6 (30)	1.9 (30)	3.2 (30)	3.2 (30)	3.2 (30)
Additional refrigerant charge		g/m	30	30	30	30	40	40	60	60
Dimensions (H x W x D)		mm	600x792x300	600x792x300	600x792x300	600x792x300	600x792x300	1,140x950x370	1,140x950x370	1,140x950x370
Weight		kg	43.0	43.0	43.0	43.0	44.0	79.0	89.0	89.0

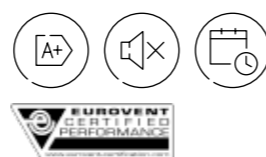
Compatible controls and accessories:



- Others:**
- PS-MSK2 Presence sensor kit. Compatible with RCI-FSN4
 - Optional functions connector (5 units PCC-1A)
 - SOR NEC Presence sensor kit. Compatible with RCIM-FSN4

Primary floor-ceiling

The best value for money



Greater durability of the units

Integrated high strength steel and PS design enhances the durability of the drain pan and improves both thermal insulation and condensate removal functions.

(Fig. 1)

Less noise in the room

The plastic fan housing is effective in reducing noise level.

Fresh air inlet

Allows fresh air intake to improve indoor ventilation and air quality.

Flexibility in positioning: allows floor or ceiling installation

The Hitachi Primary range console can be installed both on the floor and on the ceiling, allowing the user to choose the most optimal room location for maximum comfort.

(Fig. 2)

Fig. 1

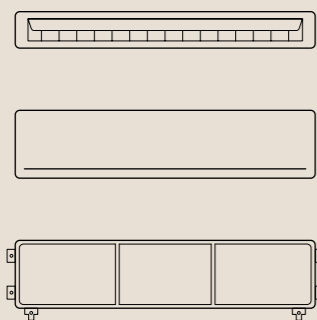
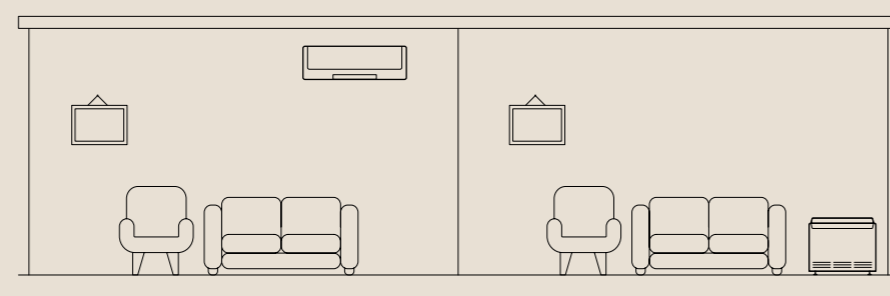


Fig. 2

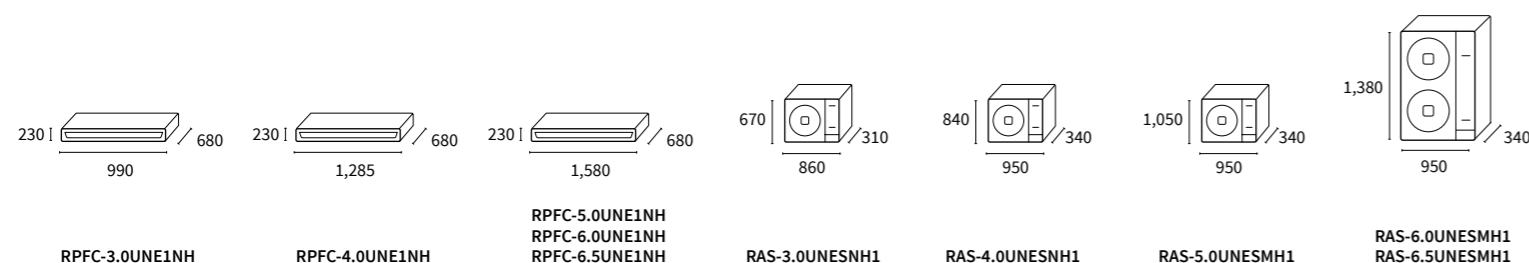


Ceiling installation

Floor installation

Indoor units

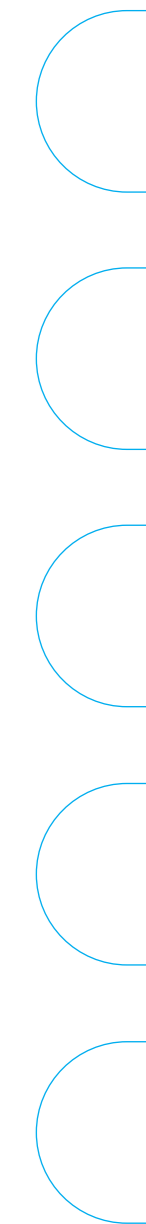
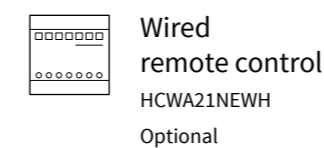
Outdoor units



Primary floor-ceiling

System			RPFC-3.0UNE1NH	RPFC-4.0UNE1NH	RPFC-5.0UNE1NH	RPFC-6.0UNE1NH	RPFC-6.5UNE1NH
Capacity	Cooling (Min/Nom/Max)	kW	2.70-6.75-7.85	2.80-10.23-11.00	3.30-12.05-13.20	3.10-12.87-16.10	4.98-14.42-18.00
	Heating (Min/Nom/Max)	kW	2.77-8.21-9.20	3.32-11.25-12.00	3.00-14.00-14.60	3.30-16.12-18.00	5.20-17.56-21.00
Consumption	Cooling (nom)	kW	2.16	3.70	4.87	4.25	5.40
	Heating (nom)	kW	2.40	3.75	4.50	5.15	6.40
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)		mm2	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
EER			3.12	2.78	2.48	3.03	2.68
COP			3.43	3.00	3.11	3.13	2.75
SEER			5.79	6.07	5.41	5.99	5.90
SCOP			3.92	3.97	3.79	3.80	3.80
Energy rating (medium zone)	Cooling/Heating		A+/A	A+/A	A/A	A+/A	A+/A
Outside operating temperatures	Cooling (DB)	°C	-15 to 48	-15 to 48	-15 to 48	-15 to 48	-15 to 48
	Heating (DB)	°C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Pipe diameter	Liquid-gas	inches	3/8-5/8	3/8-5/8*	3/8-5/8*	3/8-5/8*	3/8-5/8*
Remote control included			Wireless - HRBA31NEGH	Wireless - HRBA31NEGH	Wireless - HRBA31NEGH	Wireless - HRBA31NEGH	Wireless - HRBA31NEGH
Indoor unit			RPFC-3.0UNE1NH	RPFC-4.0UNE1NH	RPFC-5.0UNE1NH	RPFC-6.0UNE1NH	RPFC-6.5UNE1NH
Air Flow (Low - Medium - High)		m3/h	800-950-1.100	1.300-1.500-1.700	1.600-1.800-2.000	1.200-1.600-2.000	1.500-1.700-2.000
Sound pressure (Low - Medium - High)		dB(A)	45-48-51	49-51-52	47-50-52	42-48-53	47-50-53
Sound power		dB(A)	63	64	66.00	67	66.00
Dimensions (H x W x D)		mm	230x990x680	230x1,285x680	230x1,580x680	230x1,580x680	230x1,580x680
Weight		kg	30	37	48	48	50
Condensate pipe diameter (out)		mm	25	25	25	25	25
Outdoor unit			RAS-3.0UNESH1	RAS-4.0UNESH1	RAS-5.0UNESH1	RAS-6.0UNESH1	RAS-6.5UNESH1
Air flow		m3/h	3,000	3,500	5,800	6,200	6,200
Sound pressure		dB(A)	53	56	58	56	57
Sound power		dB(A)	68	70	74	69	73
N° fans			1	1	1	2	2
Maximum current		A	18.0	22.5	11.6	11.0	13.5
Maximum pipe length		m	50	50	50	50	50
Maximum height difference (highest OU/lowest OU)		m	30	30	30	30	30
Compressor			Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge (length without additional charge)		kg (m)	1.7 (5)	2.8 (5)	3.2 (5)	3.78 (5)	3.95 (5)
Additional refrigerant charge		g/m	35	35	35	35	35
Dimensions (H x W x D)		mm	670x860x310	840x950x340	1,050x950x340	1,386x950x340	1,386x950x340
Weight		kg	51.0	70.0	85.0	113.0	117.0

Compatible controls and accessories:



Ceiling-mounted IVX

Quiet and compact, perfect for homes and businesses



Improved performance at extreme temperatures

This system can work down to -20 °C in heating, and up to 46 °C in cooling.

Uniform temperature without drafts

The new design of the large automatic louvre achieves a more uniform temperature in the room and reduces cold drafts.

Flexible installation in high ceilings

The system is fitted with additional speed, high 2, now allowing 4 speeds. High speed does not need to be set using the remote control in the case of high ceilings.

Presence sensor

A presence sensor can be fitted in order to optimise energy consumption.

Greater flexibility

The installation of 3 and 4 HP units allows up to 70m of pipe run and 30m of height difference.

Easy installation of up to 4 units

Allows independent climate control of up to 4 different spaces. Installation is simplified thanks to a common refrigerant circuit.

Fig. 1

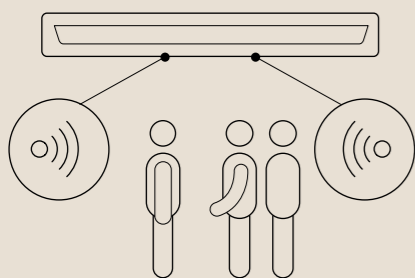
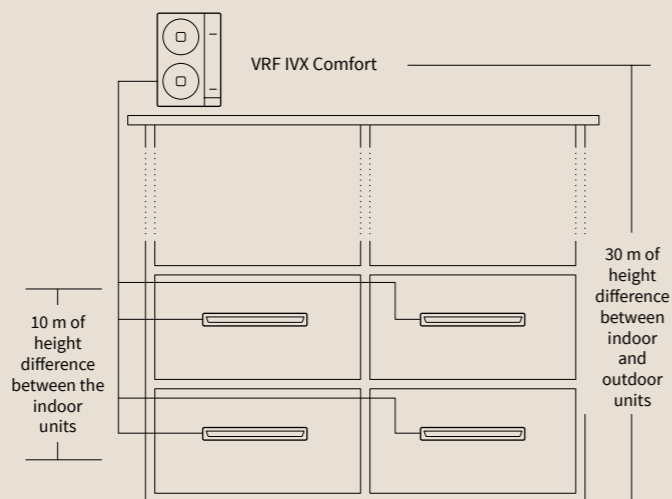
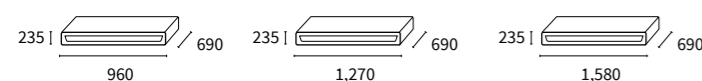


Fig. 2



Indoor units

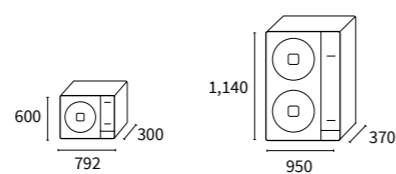


RPC-2.0FSN3

RPC-2.5FSN3
RPC-3.0FSN3

RPC-4.0FSN3
RPC-5.0FSN3
RPC-6.0FSN3

Outdoor units



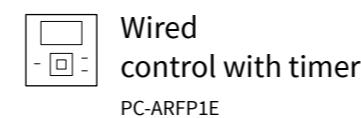
RAS-2HVN1
RAS-2.5HVN1
RAS-3HVC1

RAS-4H(V)NC1E
RAS-5H(V)NC1E
RAS-6H(V)NC1E

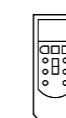
Ceiling-mounted IVX

System			RPC 2 IVX	RPC 2.5 IVX	RPC 3 IVX	RPC 4 IVX	RPC 5 IVX	RPC 6 IVX
Capacity	Cooling (Min/Nom/Max)	kW	2.20-5.00-5.60	2.20-5.60-6.30	3.20-7.10-8.00	4.50-10.00-11.20	5.70-12.50-14.00	6.00-14.00-16.00
	Heating (Min/Nom/Max)	kW	2.20-5.60-7.10	2.20-6.30-8.00	3.50-8.00-10.60	5.00-11.20-14.00	5.00-14.00-18.00	5.00-16.00-20.00
Consumption	Cooling (nom)	kW	1.34	1.41	2.29	3.25	4.60	5.49
	Heating (nom)	kW	1.38	1.53	2.33	2.91	3.94	4.40
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
			-	-	-	3N ~400V 50 Hz	3N ~400V 50 Hz	3N ~400V 50 Hz
Indoor/outdoor wiring section (shielded)		mm2	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75
EER			3.72	4.00	3.10	3.08	2.72	2.55
COP			4.06	4.12	3.43	3.85	3.55	3.64
SEER	Single-phase		5.63	5.49	5.29	5.02	5.74	5.56
	Three-phase		-	-	-	4.93	5.71	5.53
SCOP	Single-phase		4.44	4.49	4.13	3.90	4.00	4.04
	Three-phase		-	-	-	3.90	4.00	4.04
Energy rating (medium zone)	Cooling/Heating		A+/A+	A/A+	A/A+	B/A	D/B	E/A
Outside operating temperatures	Cooling (DB)	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating (WB)	°C	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15
Pipe diameter	Liquid-gas	inches	1/4-5/8	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8
Indoor unit			RPC-2.0FSN3	RPC-2.5FSN3	RPC-3.0FSN3	RPC-4.0FSN3	RPC-5.0FSN3	RPC-6.0FSN3
Air flow (Low - Medium - High - Very high)		m3/h	540-660-780-900	690-840-990-1.140	750-930-1.110-1.260	1.020-1.320-1.590-1.800	1.200-1.530-1.860-2.100	1.260-1.620-1.950-2.220
Sound pressure (Low - Medium - High - Very high)		dB(A)	28-31-35-38	28-31-35-38	29-33-37-40	32-37-42-44	35-41-45-48	36-42-47-49
Sound power		dB(A)	54	54	56	60	64	65
Dimensions (H x W x D)		mm	235x960x690	235x1,270x690	235x1,270x690	235x1,270x690	235x1,270x690	235x1,270x690
Weight		kg	27.0	35.0	35.0	41.0	41.0	41.0
Condensate pipe diameter (out)		mm	25	25	25	25	25	25
Outdoor unit			RAS-2HVN1	RAS-2.5HVN1	RAS-3HVC1	RAS-4H(V)NC1E	RAS-5H(V)NC1E	RAS-6H(V)NC1E
Air flow		m3/h	2,436	2,436	2,682	3,720	4,080	4,800
Sound pressure	Cooling	dB(A)	44	45	48	52	52	55
	Heating	dB(A)	46	47	50	54	54	57
Sound power		dB(A)	62	63	66	68	69	71
N° fans			1	1	1	1	1	1
Maximum current	Single-phase	A	13.8	15.8	17.8	15.5	15.0	15.5
	Three-phase	A	-	-	-	28.5	28.0	28.5
Minimum pipe length		m	5	5	5	5	5	5
Maximum pipe length		m	50	50	50	70	75	75
Maximum height difference (highest OU/lowest OU)		m	30/20	30/20	30/20	30/20	30/20	30/20
Compressor			Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge (length without additional charge)		kg (m)	1.6 (30)	1.6 (30)	1.9 (20)	3.2 (30)	3.2 (30)	3.2 (30)
Additional refrigerant charge		g/m	30	30	40	40	60	60
Dimensions (H x W x D)		mm	600x792x300	600x792x300	600x792x300	1,140x950x370	1,140x950x370	1,140x950x370
Weight		kg	43.000	43.000	44.0	79.0	89.0	89.0

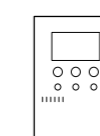
Compatible controls and accessories:



Wired control with timer
PC-ARFP1E



Wireless remote control
PC-AWR
(Receiver required)



Simplified remote control
PC-ARH

Others:
- SOR-NEP presence sensor kit. Compatible with RPC-FSN3
- Optional functions connector (5 units) PCC- 1A

Controls

Residential



Wired control

SPX-RCDA

- Wall-mounted.
- 12 h timer.
- "Away-from-home" mode.
- Multifunction: operating modes, temperatures, ventilation, night mode.

Compatibility:
All Ducted RAD units.



Wired control

SPX-RCDB

- Wall-mounted.
- 12 h timer.
- "Away-from-home" mode.
- Multifunction: operating modes, temperatures, ventilation, night mode.

Compatibility:
All Wall mounted RAK, Cassette RAI and Console RAF units.



Eco Control

SPX-RCKA, SPX-RCKA1, SPX-RCKA2, SPX-RCKA3

- LCD screen.
- Weekly timer.
- Away-from-home mode.
- Eco mode.
- Sleep (7h).
- Multifunction: Weekly timer, range of operating modes, temperature control, ventilation, self-diagnosis and more...

Compatibility:
SPX-RCKA: RAD 50-70PPA, RAD 18-50RPA.
SPX-RCKA1: RAD 18-50QPB, RAD 18-70PPD, RAD 25-60RPE.
SPX-RCKA2: RAK 50-70PPD, RAK 50RPE1, RAK 60RPE.
SPX-RCKA3: RAI 50-60PPD, RAI 25-60RPE.

1x1 Commercial Range



Wired control

PC-ARH

- LCD screen.
- Two or more units can be controlled simultaneously. The units must be interconnected with control cables.
- Multifunctions: mode, temperature, ventilation, clock, etc.
- Specific function, "Identification of parallel indoor units".

Compatibility: vRF range - residential range indoor units, System Free indoor units.



Wireless remote control

PC-AWR

- Control of 1 to 16 indoor units (master and slave).
- Compact size.
- Simplified functions: ON/OFF, mode, temperature, ventilation.

Compatibility: PC-AWR, VRF range - indoor units range 1x1 VRF IVX systems (Comfort and Premium), System Free indoor units.



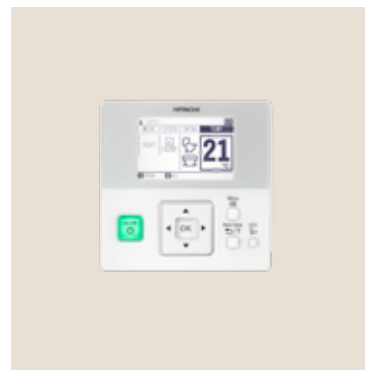
Wired control with timer

PC-ARFP1E

- Weekly Timer.
- Operating parameters configuration and adjustment.
- Multifunction: Timer for remote ON/OFF options, fault report, automatic routing.
- Control of 1 to 16 indoor units.
- Self-diagnosis, anti-freezing and temperature reduction.
- Built-in environmental sensor.
- Several languages.
- LCD screen.
- Easy to use

Compatibility: Combinations of the VRF IVX Comfort and VRF IVX Premium ranges.

Primary Range



Wired control

SPX-WKT3

- Wall-mounted.
- Weekly timer.
- Away-from-home.
- Multifunction: modes, temperatures, ventilation, night mode.
- Management of up to 13 indoor units.
- With choice of temperature sensor location.

Compatibility: RAK-50-60PPD, RAK 18-35PSB, RAK 18-35PSC, RAI 25-50QPB, RAK 15QPB, RAK 15QPC, RAK 18-50RPB, RAK 35-50RPC, RAK 18-25RPC, RAK 15QPD, RAK 18-50RPD, RAK 18QXB, RAK 25-50RXB, RAK 18QXD, RAK 25-50RXD, RAD 18-50QPB, RAD 50-70PPD, RAI 25-50QPB, RAI 50-60PPD, RAF-25-50RXB.



Primary range wireless control

HRBA31NEGH

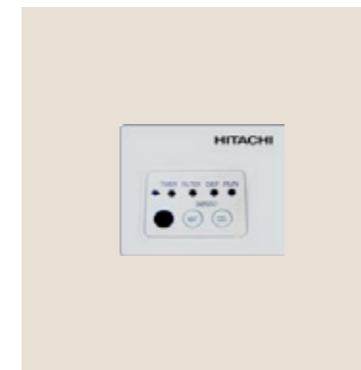
- Wireless.
- Simple timer.



Primary range wired control

HCWA21NEWH

- Wall-mounted.
- Weekly timer.
- Multifunction.
- Blocking function.
- With choice of temperature sensor location.
- Alarm codes.



Infra-red receiver for ceiling

PC-ALHP1

- Infra-red receiver for remote control.
- Seamless integration in the unit.

Compatibility: PC-AWR control Ceiling-mounted RPC-FSN3.

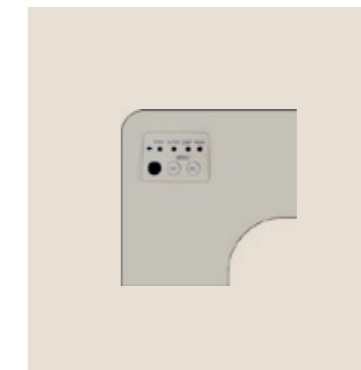


Infra-red receiver for wall

PC-ALHZ1

- Infra-red receiver for remote control.
- Seamless integration in the unit.

Compatibility: PC-AWR control RPI-FSN(3-5)(P)E, RCI-FSN4 RCIM-FSN4E, RCD-FSN3 RPK-FSN(H)3M, RPC-FSN3.

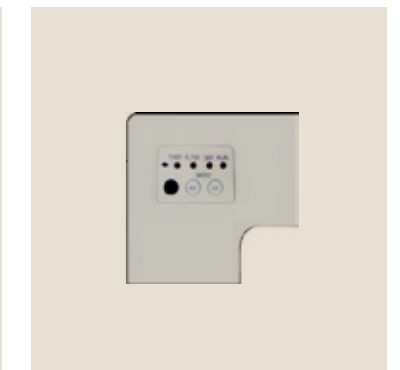


Infra-red receiver for cassette

PC-ALH3

- Infra-red receiver for remote control.
- Seamless integration in the unit.

Compatibility: PC-AWR control RCI-FSN4 Cassette.



Infra-red receiver for cassette

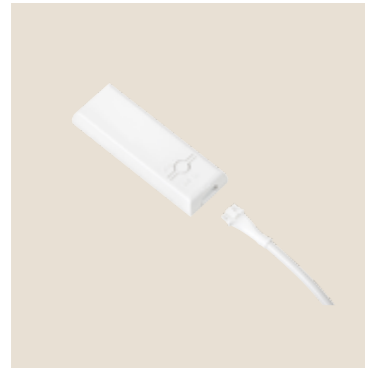
PC-ALHC1

- Infra-red receiver for remote control.
- Seamless integration in the unit.

Compatibility: PC-AWR control RCIM-FSN4E cassette.

Accessories

Residential



Wi-Fi adapter
SPX-WFG01

- Wi-Fi adapter for Hi-Kumo app.
- Connect the air conditioning using the Hi-Kumo mobile app.

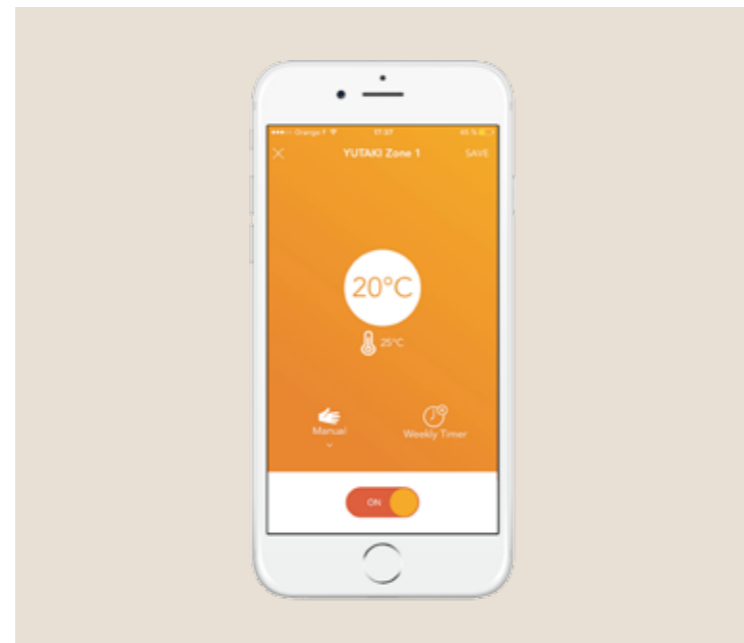
Compatibility: SPX-WFG01, RAK-18 ~ 35PSB, RAK-25 ~ 50RXB, RAK-18QXB, RAK-18 ~ 50RPC, RAK-15QPB, RAF-25 ~ 50RXB, RAI-25 ~ 50QPB, RAD-18 ~ 50QPB. All R32 Units



Wi-Fi adapter
SPX-TAG01

- Wi-Fi adapter for Hi-Kumo app.
- Connect the air conditioning using the Hi-Kumo app.
- Requires Hi-Box AHP-SMB-01.

Compatibility: SPX-TAG01, RAK-RPB, RAK-RPC, RAK-PPA, RAK-QXB/RXB, RAK-PSB, RAK-PSC, RAF-RXB, RAF-RPA, RAI-QPB, RAD-RPA/PPA, RAD-QPB, RAI-RPA.



How to enjoy Hi-Kumo?

1. The Hi-Box pack, made up of two accessories, can be used to connect the units to a Wi-Fi network.
2. Download the app to your smartphone, tablet or computer.
3. Configure by simply searching for connected units and pairing them with the app.



Hi-box
AHP-SMB-01

- Accessory for SPX-TAG-01 Wi-Fi adapter.
- This ensures compatibility with the Hi-Kumo app to manage the air conditioning installation from any mobile device.

Compatibility: **AHP-SMB-01:** RAK-RPB, RAK-RPC, RAK-PPA, RAK-QXB / RXB, RAK-PSB, RAK-PSC, RAF-RXB, RAF-RPA, RAI-QPB, RAD-RPA / PPA, RAD-QPB, RAD-QPB.



H-Link Box
PSC-6RAD

- Allows the indoor units of the residential range to be connected to an H-Link network.

Compatibility: **PSC-6RAD**
The entire residential range.



Filter with active carbon base
SPX-CFH25 / SPX-NTW3 / SPX-NTW4

- This filter is mixed with a silver-based antibacterial substance.
- Long-lasting antimicrobial effect.
- Inhibits the growth of bacteria.
- Blocks any kind of smell.
- Can eliminate viruses, thus ensuring hygiene on the surface of products.

Compatibility: **SPX-CFH25** RAK-18~35PSB, RAK-18~35PSC, RAK-15QPB, RAK-18~50RPB, RAK-18~50RPC, RAK-15QPC, RAF-25~50RPA, RAF-25~50RXB, RAK-25~50RXB, RAK-18QXB, **SPX-NTW3:** RAK-60PPA, RAK-RPA, RAI-QPB.

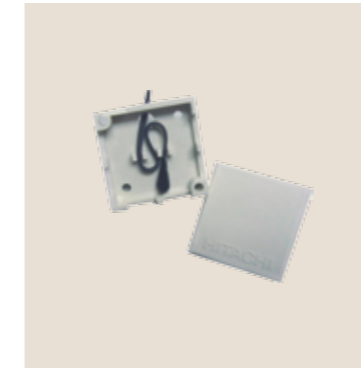


Distributor
SPX-DST1

- Accessory required to connect up to 13 indoor units with the SPX-WKT3 remote control.
- Use the SPX-WDST8M cable if more length is needed

Compatibility: **SPX-DST1** RAI 25~50QPB, RAD 18~50QPB, RAK 18~35PSB, RAK 18~35PSC, RAF 25~50RXB, RAK 15QPB, RAK 18~50RPB, RAK 18~50RPC, RAK 15QPC.

1x1 Commercial Range



Remote temperature sensor
THM-R2AE

- Fitted with a diverted sensor, regulating relative to ambient temperature.

Compatibility: Combinations of the VRF IVX Comfort and VRF IVX Premium ranges.



Drainage pipe connection kit
DBS 26

- Evacuation drainage 32 mm.
- One kit per module.
- For VRF IVX Premium, it is only used in roof-mounted installations.

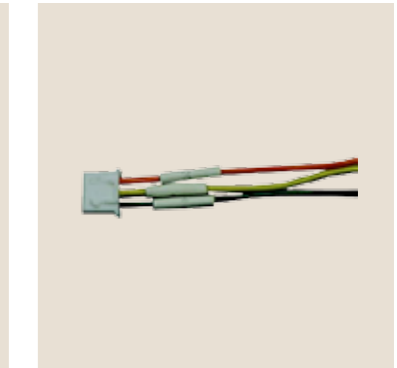
Compatibility: DBS26 RAS - 3HVNP. RAS - 4 ~ 6H(V)N(P/C)E RAS 8 ~ 10H(V)N(P/C)E 12HN(P/C).



Drainage pipe connection kit for IVX
DBS 12L

- Evacuation drainage 15 mm.

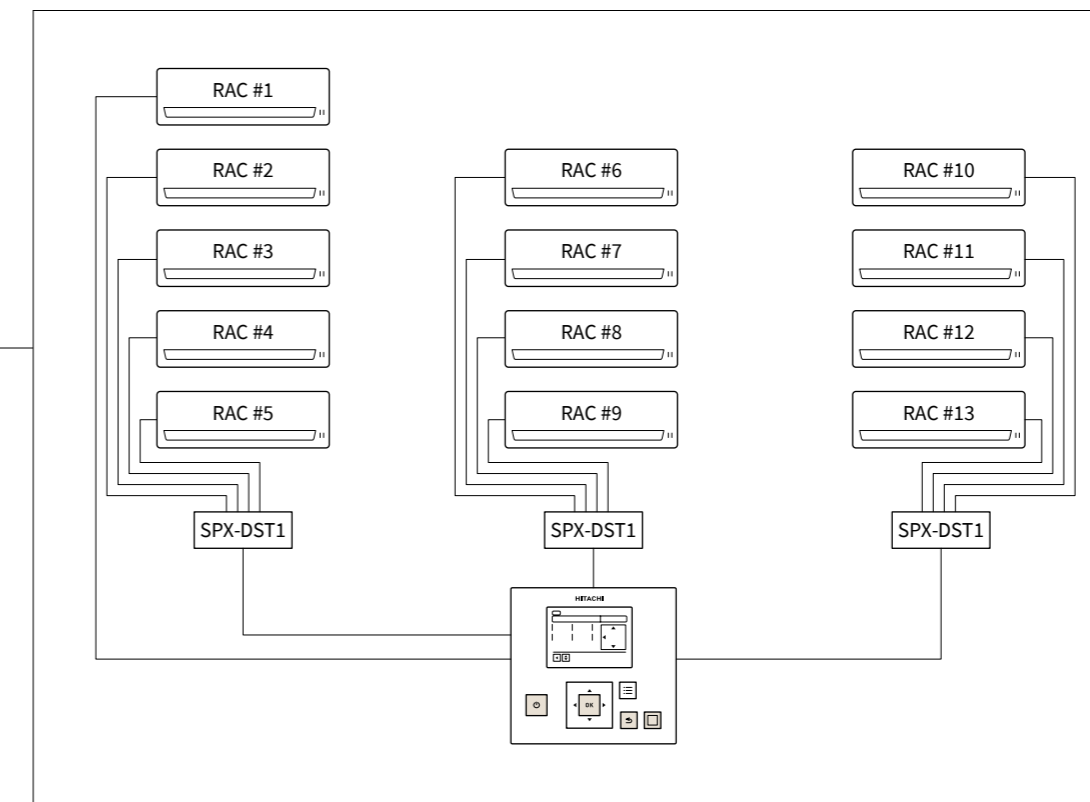
Compatibility: DBS 12L RAS - 2~2.5 HVNP. RAS - 3HVNC.



Optional functions connectors
PCC-1A

- Delivered in bags of 5 connector units.
- They allow all available contacts in the outdoor groups and the indoor units and centralised commands to be used (fault report, start/stop, remote).

Compatibility: Combinations of the VRF IVX Comfort and VRF IVX Premium ranges.



*All 1x1 accessories are compatible with Multizone

Thanks to its flexibility and high capacity, the Multizone range can condition up to 6 different spaces with a single outdoor unit. Its wide range of combinations ensures freedom to adapt to the installation

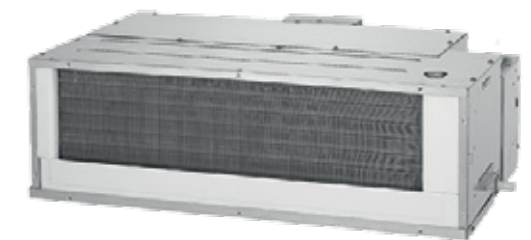


R32 Multizone

Multizone + ACS

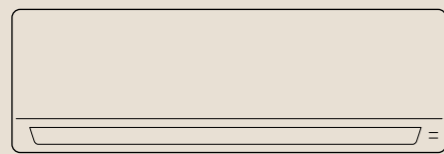


Multizone



Benefits Multizone

1 Suitably sized systems to fit perfectly in any space

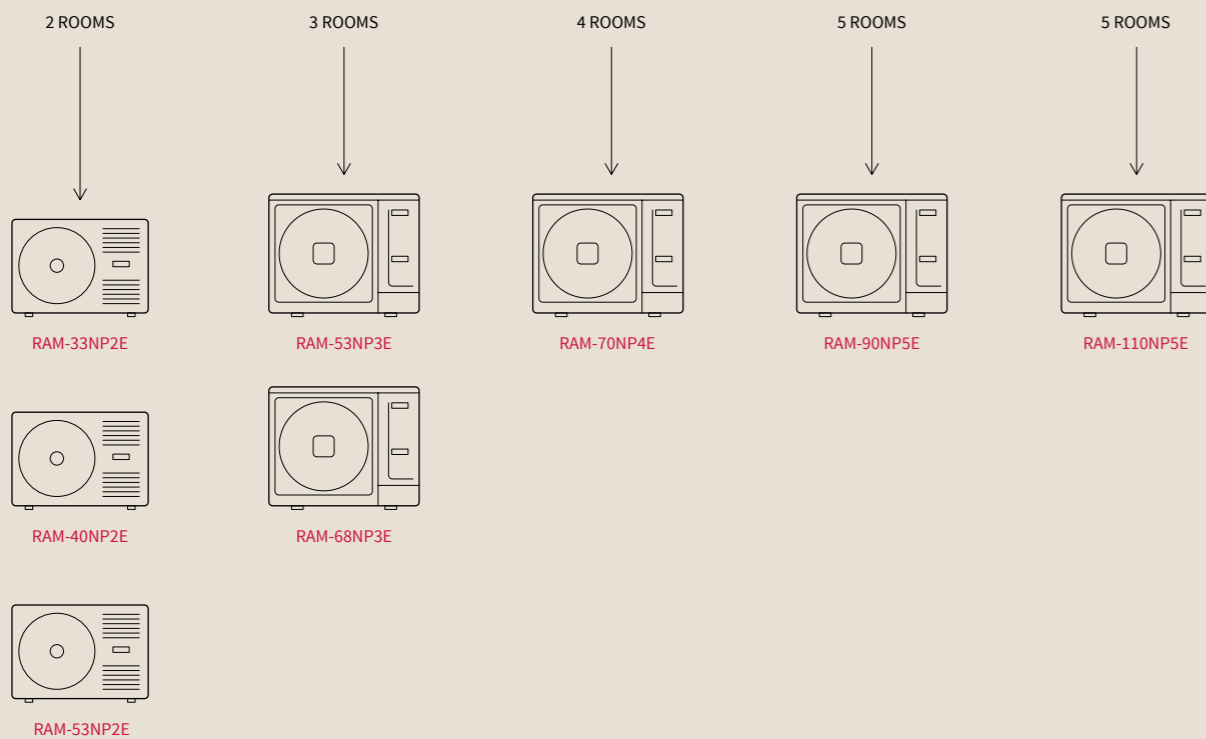


Ideal for small properties, reducing consumption and ensuring the installation is not oversized.

2 Air conditioning system that simplifies installation and maintenance

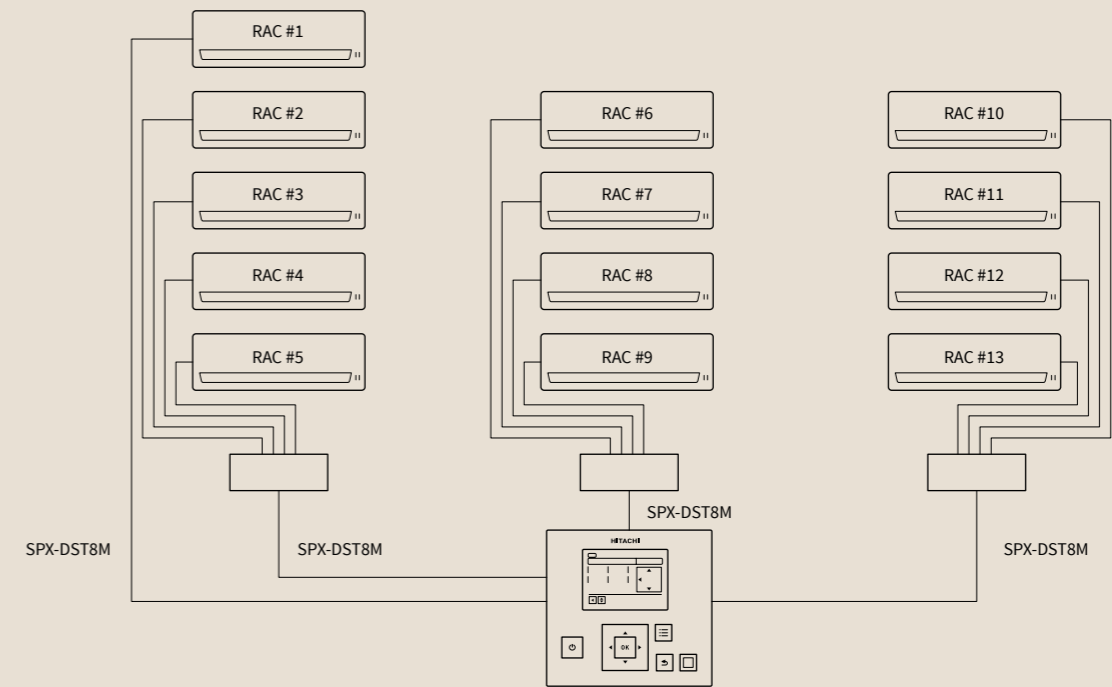
- The duct-type units allow the static pressure to be modified according to the needs of each installation.
- Reduced pipe diameter, bringing installation cost savings thanks to having smaller pipes.
- Refrigerant pre-charged at factory for 2x1 outdoor units, bringing savings in terms of installation time and cost by removing the need to add further refrigerant.
- Alarm code indicator, saving diagnosis time.

3 Extensive range



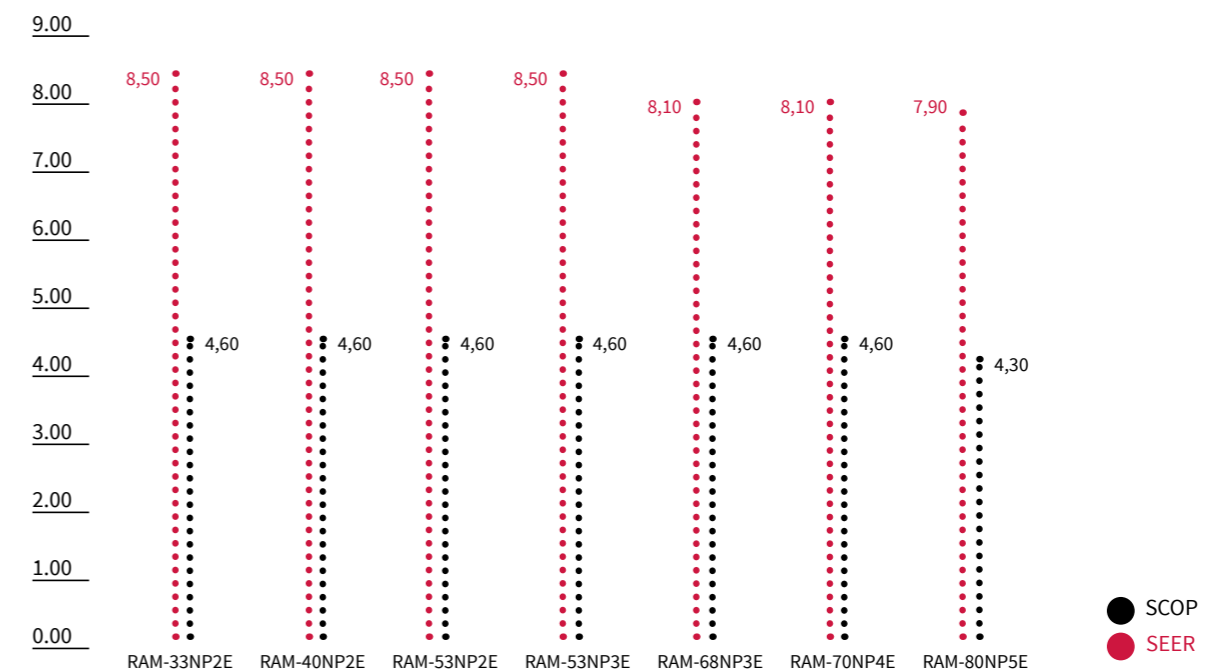
More than 300 possible combinations with the Multizone indoor units range. 8 outdoor units can be combined with 5 indoor units.

4 Air conditioning solutions that fit perfectly with the characteristics of each installation



- Long pipe distances between the outdoor unit and the indoor unit. The longest on the market.
- Offset value setting from the Eco Control.
- Operation in cold mode up to -10 °C.
- Centralised control of up to 13 indoor units with the SPX-WTK3 cable control and the SPX-DST1 + SPX-DST8M distributor.

5 Low-power, high-performance systems



R32 Multizone

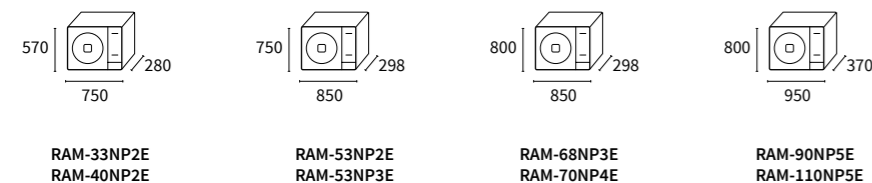
Outdoor units

Multizone

Outdoor unit		RAM-33NP2E	RAM-40NP2E	RAM-53NP2E	RAM-53NP3E	RAM-68NP3E	RAM-70NP4E	RAM-90NP5E	RAM-110NP5E
Minimum/maximum number of connectable indoor units		2	2	2	2/3	2/3	2/4	2/5	2/5
Capacity	Cooling (Min/Nom/Max) kW	1.50-3.30-3.80	1.50-4.00-4.20	1.50-5.30-6.60	1.50-5.30-6.60	2.40-6.80-8.00	2.40-7.00-8.80	1.52-8.50-9.50	1.50-10.00-12.50
	Heating (Min/Nom/Max) kW	1.50-4.00-4.60	1.50-5.20-5.50	1.50-6.80-7.20	1.50-6.80-7.20	2.40-8.50-9.50	2.60-8.50-9.50	1.50-10.00-11.50	1.50-12.00-12.70
Consumption	Cooling (Min/Nom/Max) kW	0.20-0.73-1.05	0.20-0.95-1.15	0.20-1.26-1.66	0.20-1.26-1.68	0.46-1.83-2.96	0.46-1.89-3.20	0.20-2.50-3.85	0.50-3.10-4.50
	Heating (Min/Nom/Max) kW	0.20-0.90-1.50	0.20-1.18-1.50	0.20-1.61-2.01	0.20-1.61-1.86	0.43-2.12-2.60	0.48-2.02-3.12	0.20-2.56-3.85	0.50-3.16-5.00
Electrical power		1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)	mm ²	2 x (3 x 1.50 + E)	2 x (3 x 1.50 + E)	2 x (3 x 1.50 + E)	3 x (3 x 1.50 + E)	3 x (3 x 1.50 + E)	4 x (3 x 1.50 + E)	5 x (3 x 1.50 + E)	5 x (3 x 1.50 + E)
EER		4.50	4.20	4.20	4.10	3.70	3.70	3.40	3.23
COP		4.40	4.40	4.20	4.20	4.00	4.20	3.90	3.80
SEER		8.50	8.60	8.50	8.50	8.10	8.10	7.90	6.52
SCOP		4.60	4.60	4.60	4.60	4.60	4.60	4.30	4.22
Energy rating (medium zone)	Cooling/Heating	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A++/A++	A++/A++	A++/A++	A++/A+
	Cooling (DB) °C	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Outdoor operating temperatures	Heating (DB) °C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Liquid-gas	inches	1/4 x 2 - 3/8 x 2	1/4 x 2 - 3/8 x 2	1/4 x 2 - 3/8 x 2	1/4 x 3 - 3/8 x 3	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)
Air flow	Cooling m ³ /h	1,620	1,620	2,160	2,160	2,700	2,700	3,900	4,000
	Heating m ³ /h	1,620	1,620	2,160	2,160	2,700	2,700	3,900	4,000
Sound pressure	Cooling dB(A)	48	49	50	50	50	50	53	54
	Heating dB(A)	50	51	51	51	53	53	56	54
Sound power	dB(A)	60	60	60	61	63	63	66	68
N° fans		1	1	1	1	1	1	1	1
Minimum pipe length	m	3	3	3	3	3	3	3	3
Maximum pipe length	m	35	35	35	60	60	60	75	75
Maximum height difference	m	15	15	20	20	20	20	20	20
Compressor		Rotary	Rotary	New Twin Rotary	New Twin Rotary	New Twin Rotary	New Twin Rotary	New Twin Rotary	New Twin Rotary
Refrigerant		R32	R32	R32	R32	R32	R32	R32	R32
Refrigerant charge (length without additional charge)	kg (m)	1.02 (35)	1.02 (35)	1.8 (35)	2.05 (35)	2.05 (30)	2.05 (30)	2.40 (35)	2.40 (30)
Additional refrigerant charge	g/m	not required	not required	not required	20	20	20	15	13
Dimensions (H x W x D)	mm	570x750x280	570x750x280	750x850x298	800x850x298	800x850x298	800x850x298	800x950x370	800x950x370
Weight	kg	38.0	41.0	53.0	54.0	58.0	58.0	71.0	76.0



Outdoor units



*Residential accessories are compatible with Multizone

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Indoor units

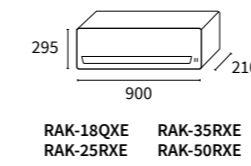
Wall-Mounted Shirokuma

Multizone

Indoor unit		RAK-18QXE**	RAK-25RXE	RAK-35RXE	RAK-50RXE
Capacity	Cooling (Min/Nom/Max) kW	1.00-1.80-2.50	0.90-2.50-3.10	0.90-3.50-4.00	1.90-5.00-5.20
	Heating (Min/Nom/Max) kW	1.10-2.50-3.20	0.90-3.20-4.20	0.90-4.00-4.80	2.20-5.80-7.00
Air flow (Very low - Low - Medium - High)	Cooling m ³ /h	300-330-430-500	300-330-510-600	320-340-520-660	350-400-580-720
	Heating m ³ /h	310-360-480-600	290-370-560-680	310-380-570-720	350-420-620-800
Sound pressure (Very low - Low - Medium - High)	Cooling dB(A)	20-25-30-36	20-27-35-43	22-29-37-45	25-31-39-47
	Heating dB(A)	20-26-32-38	20-28-36-43	22-30-37-45	25-31-39-48
Sound power	dB(A)	49	58	60	60
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-3/8
Condensate pipe diameter (out)		mm	16	16	16
Dimensions (H x W x D)		mm	295x900x210	295x900x210	295x900x210
Weight	kg	11.0	11.0	11.0	11.0
Remote control included		Wireless - RAR-6NE1	Wireless - RAR-6NE1	Wireless - RAR-6NE1	Wireless - RAR-6NE1
Electrical power		1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz

**Data is provisional

Indoor units

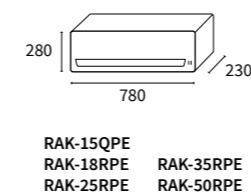


Wall-Mounted Performance

Indoor unit		RAK-15QPE**	RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-50RPE
Capacity	Cooling (Min/Nom/Max) kW	0.90-1.50-2.00	0.90-2.00-2.50	0.90-2.50-3.10	0.90-3.50-4.00	1.90-5.00-5.20
	Heating (Min/Nom/Max) kW	1.00-1.50-2.50	0.90-2.50-3.20	0.90-3.40-4.40	0.90-4.20-5.0	2.20-6.00-7.30
Air flow (Very low - Low - Medium - High)	Cooling m ³ /h	312-350-400-420	312-350-400-440	333-370-430-510	353-420-485-680	353-410-540-750
	Heating m ³ /h	312-350-420-480	312-350-420-480	333-400-500-570	363-480-570-780	380-500-610-820
Sound pressure (Very low - Low - Medium - High)	Cooling dB(A)	20-24-30-34	21-24-33-37	22-24-33-40	25-26-36-43	25-28-39-46
	Heating dB(A)	20-24-32-35	19-22-33-38	20-23-34-41	26-27-36-44	27-31-39-46
Sound power	dB(A)	47	51	54	57	60
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-3/8	1/4-3/8
Condensate pipe diameter (out)		mm	16	16	16	16
Dimensions (H x W x D)		mm	280x780x230	280x780x230	280x780x230	280x780x230
Weight	kg	8.5	8.5	8.5	8.5	8.5
Remote control included		Wireless - RAR-6NE1	Wireless - RAR-6NE1	Wireless - RAR-6NE1	Wireless - RAR-6NE1	Wireless - RAR-6NE1
Electrical power		1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz

**Data is provisional

Indoor units



*Residential accessories are compatible with Multizone

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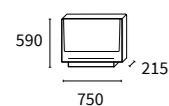
Indoor units

Multizone

Shirokuma Console

Indoor unit			RAF-25RXE	RAF-35RXE	RAF-50RXE
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.50-3.10	0.90-3.50-4.00	0.90-5.00-5.20
	Heating (Min/Nom/Max)	kW	0.90-3.40-4.40	0.90-4.50-5.00	0.90-6.00-8.10
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	270-390-510-630	270-390-510-660	300-450-540-700
	Heating	m3/h	300-420-540-660	300-420-540-690	330-480-570-730
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	20-26-31-38	20-26-31-39	22-29-36-43
	Heating	dB(A)	20-26-31-38	20-26-31-39	22-29-36-44
Sound power	dB(A)		52	53	57
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2
Condensate pipe diameter (out)		mm	16	16	16
Dimensions (H x W x D)		mm	590x750x215	590x750x215	590x750x215
Weight		kg	15.0	15.0	15.0
Remote control included			Wireless - RAR-6NE4	Wireless - RAR-6NE4	Wireless - RAR-6NE4
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz

Indoor units



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

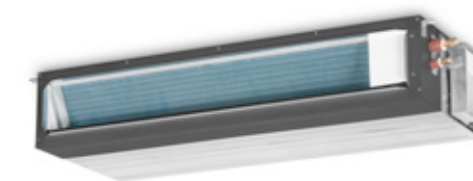
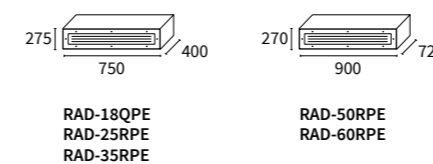


*Residential accessories are compatible with Multizone

Ducts

Indoor unit			RAD-18QPE	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE
Capacity	Cooling (Min/Nom/Max)	kW	0.90-1.80-2.50	0.90-2.50-3.00	0.90-3.50-4.00	1.20-5.00-5.80	1.20-6.00-6.50
	Heating (Min/Nom/Max)	kW	0.90-2.50-3.20	0.90-3.50-5.50	0.90-4.80-6.60	1.20-6.00-6.80	1.20-7.00-8.00
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	330-390-450-510	330-390-450-510	330-390-450-510	350-540-800-1,140	350-540-800-1,140
	Heating	m3/h	330-390-450-510	330-390-450-510	330-390-450-510	350-540-800-1,140	350-540-800-1,140
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	30-33-37-41	30-33-37-41	30-33-37-41	29-32-35-39	29-32-35-39
	Heating	dB(A)	30-34-38-42	30-34-38-42	30-34-38-42	29-32-35-40	29-32-35-40
Sound power	dB(A)		57	57	57	53	53
Available pressure (Low - Medium - High)		Pa	70	70	70	50-100-150	50-100-150
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-3/8	1/4-1/2	1/4-1/2
Condensate pipe diameter (out)		mm	16	16	16	32	32
Dimensions (H x W x D)		mm	235x750x400	235x750x400	235x750x400	270x900x720	270x900x720
Weight		kg	16.0	16.0	16.0	35.0	35.0
Condensate pump			Included	Included	Included	Included	Included
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz

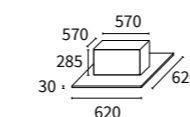
Indoor units



Cassette

Indoor unit			RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Capacity	Cooling (Min/Nom/Max)	kW	0.90-2.50-3.00	0.90-3.50-4.00	1.20-5.00-5.80	1.20-6.00-6.50
	Heating (Min/Nom/Max)	kW	0.90-3.50-5.00	0.90-4.80-6.60	1.20-6.00-6.80	1.20-7.00-8.00
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	360-505-590-660	360-505-590-660	390-540-630-720	390-540-630-720
	Heating	m3/h	444-540-630-720	444-540-630-720	450-600-690-780	450-600-690-780
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	27-31-35-38	27-33-37-40	29-35-39-43	29-35-39-43
	Heating	dB(A)	28-32-36-39	28-34-38-41	30-36-40-44	30-36-40-44
Sound power	dB(A)		54	56	56	56
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2	1/4-1/2
Condensate pipe diameter (out)		mm	32	32	32	32
Cassette dimensions (H x W x D)		mm	285x570x570	285x570x570	285x570x570	285x570x570
Cassette weight		kg	17	17	17	17
Panel dimensions (H x W x D)		mm	30x620x620	30x620x620	30x620x620	30x620x620
Panel weight		kg	2.8	2.8	2.8	2.8
Condensate pump			Included	Included	Included	Included
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz

Indoor units



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



*Residential accessories are compatible with Multizone

Multizone