RAC Catalogue 2024/2025

Cooling & Heating

HITACHI

LUXUSHEAT

air

—

Hitachi Air Conditioning Solutions Cooling & Heating

INDEX

More than 130 years of innovation

1883
Warren S. Johnson receives a patent for the first electric room thermostat. His invention launched the building control industry and Johnson Controls.

1910
Namihei Odaira founds an electrical repair shop at Kuhara Mining in Hitachi (Ibaraki, Japan). The company has been a technology leader ever since.

1936
1st fully air-conditioned office building.

1952
1st air conditioner in Japan.

1958
1st all-in-one centrifugal chiller with water-cooled condenser, completely factory-installed.

1962
1st heat pump in Japan.

1978
1st chiller with variable speed drive.

1983
1st DC Inverter air conditioner in the world.

1999
1st graphical user interface (UI) on a chiller.

2005
Acquisition of the York® brand.

2006
• 1st 6-outlet multi-split on the market.
• 1st air/water heat pump.

2008
• 1st console dedicated to the heating market.
• 1st IVX on the market.

2010
Johnson's head office receives LEED Platinum certification, a green building label awarded to programs at the cutting edge of energy and environmental design.

2011
• 1st split thermodynamic unit on the market.
• 1st 2-tube/3-tube VRF on the market.

2013
1st NF PAC very high temperature heat pump.

2015
On October 1, launch of the new Johnson Controls - Hitachi Air Conditioning company.

2016
New range of Yutaki air-to-water heat pumps.

2018
Solution Triple C, 1st multi-split thermodynamic water heater.

2019
• New VRF SET FREE Mini with horizontal air discharge.
• New range of Yutaki R32 air-to-water heat pumps.
• Hi Kumo PRO, new remote maintenance solution for air-to-air and air-to-water heat pumps.

2020
• Yutampo R32 thermodynamic water heater.
• New range dedicated to Primairy R32 retail.

2021
• Silent-Iconic design front panel for 800x800 cassette.
• New range of ultra-compact duct units.

2022
• New generation of Yutaki 2.0 air-to-water heat pumps.
• New airHome 400/600 single-split wall-mounted units.

2023
• New range of air-to-water heat pumps Yutaki H range of air-to-water heat pumps.
• New VRF air365 Max (Pro) with exclusive NFC technology.

Johnson Controls-Hitachi Air Conditioning

Johnson Controls-Hitachi Air Conditioning offers the most comprehensive range of heating, air conditioning air-conditioning and air-handling products in the world.

Always at the cutting edge of technology, we develop products for the comfort of all, in both professional and domestic environments, for the new-build and renovation markets.

Respect for the environment is also a priority, from product design to production, including installation and commissioning procedures.
Whatever your requirements, the Hitachi network is there to support you and offer the right solutions.

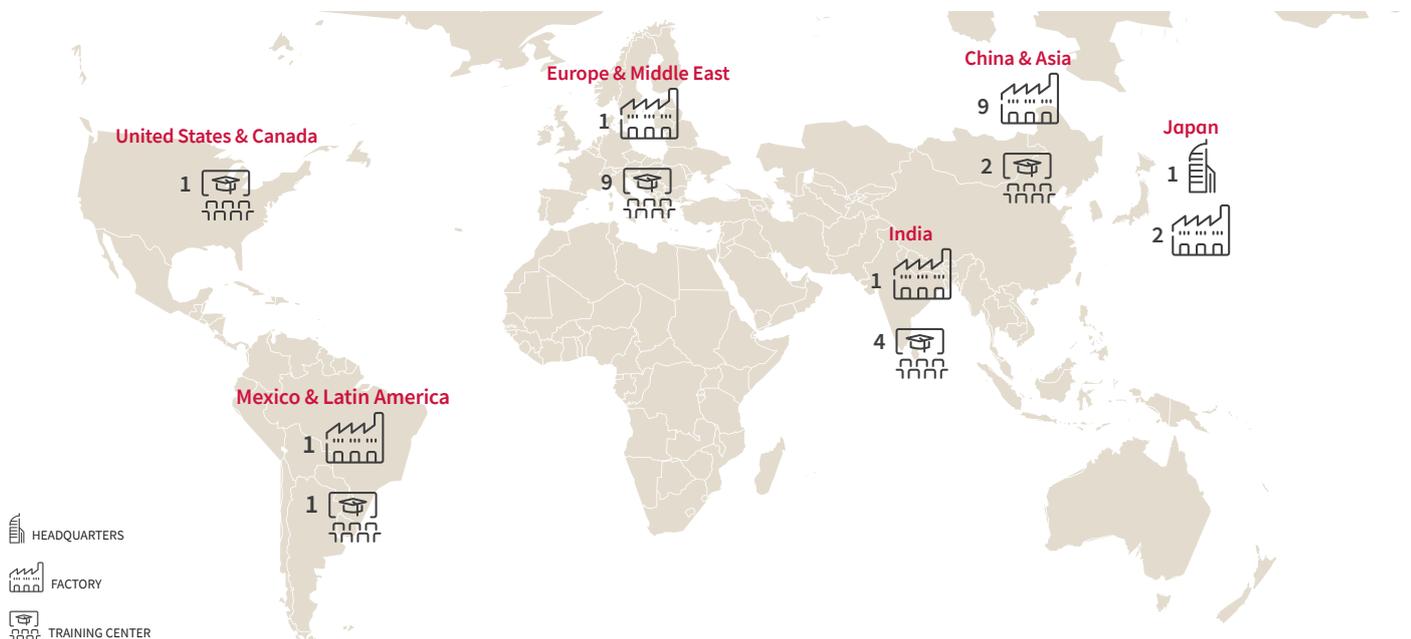| **+ 4,5 M** per year of products manufactured	**~ 15 000** employees	**8 %** of sales reinvested in r&d	**+ 140** years of innovation	**14** factories worldwide	**1** research center

Europe & Middle East
1
9

China & Asia
9
2

Japan
1
2

United States & Canada
1

India
1
4

Mexico & Latin America
1
1

HEADQUARTERS

FACTORY

TRAINING CENTER

Focus on the Barcelona factory
More than 30 years in business

With over **30 years of expertise in the development of heating and air conditioning equipment**, our Johnson Controls - Hitachi teams at the factory in Barcelona (Spain) work hard every day to supply products of the highest quality, combining innovation, performance and durability.

Today, all **VRF systems**, **Yutaki air-to-water heat pump** ranges and water-to-water chillers are produced **at the Barcelona factory**, which accounts for almost the entire Hitachi's equipment portfolio.

Our factory is also our European **spare parts management center**. This proximity enables us to offer our customers unrivalled responsiveness and delivery times.

View video

A factory committed to the environment...

Since 2017, the Johnson Controls-Hitachi European factory has **been recycling 100%** of its waste, as part of an ongoing commitment to sustainable development. It has received 4 "Zero Waste to Landfill" awards, a certificate of environmental excellence and an award for team dedication and commitment to the environment.

... which continues to grow

- 45,000 m2 of factory space.
- A 750m2 showroom displaying almost 40 products, and a training center with over 70 products in operation.
- 100% European production for VRF, Small Commercial, air-to-water heat pumps (IU & OU) & chillers ranges.

1993　　2000　　2012　　2023

Hitachi Services

PRE-SALE

Integrated air purification
–
- Antivirus filters
- Ionizer
- FrostWash
- Mold Guard

No accessories to add!

A range suitable for even the coldest climates, year-round
–
airHome 800*: constant capacity down to -15°C.

CONSTANT POWER -15°

airCloud Go demo mode
–
Show airCloud Go to your customers in demo mode.

AIRCLOUD GO

INSTALLATION AND START-UP

Easy to install
–
airHome 400: One diameter of refrigerant piping up to size 50**: 1/4'' / 3/8''

airHome 400

▶ bit.ly/installation-airHome400

Wifi card built into the unit!
–
There are no accessories to be added. Units can be controlled via APP as soon as they are turned on:
airHome 400 / 600 / 800

POST SALE

FrostWash
–
Self-cleaning exchanger: 94% of performance maintained VS 82% without FrostWash.

FROST WASH

Hi-Parts
–
The key online tool for distributors:
- Exploded unit views
- Parts Order
- Warranty tracking

* RAC-XJ25WHAE, RAC-XJ35WHAE, RAC-XJ50WHAE
** RAC-DJ18WHAE, RAC-DJ25WHAE, RAC-DJ35WHAE, RAC-DJ50WHAE

Split wall ranges

Selection Guide

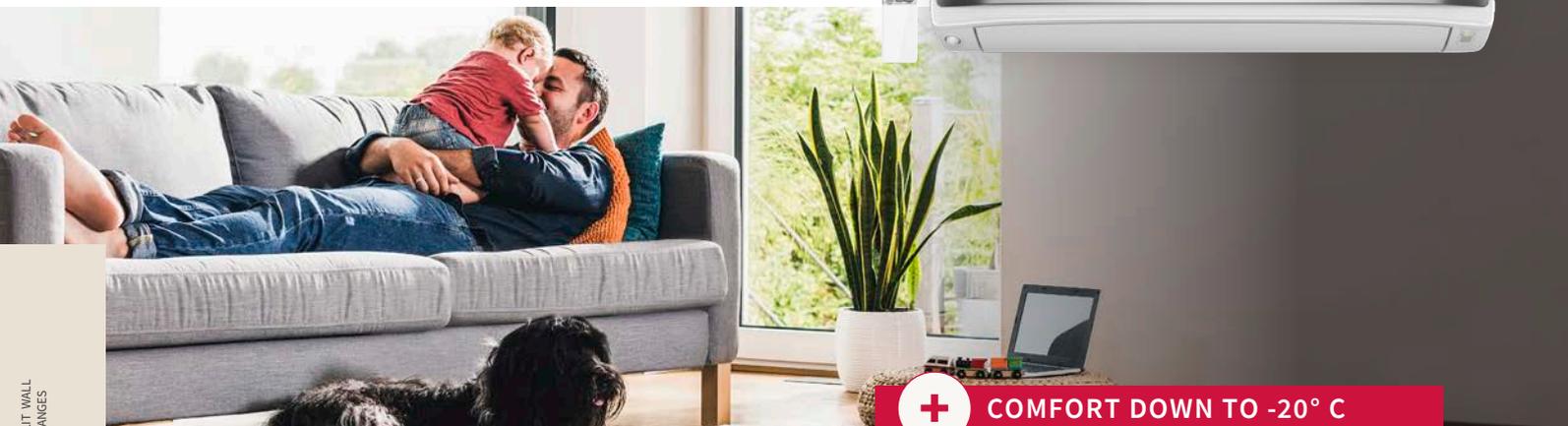|	airHome 800 NEW	airHome 600	airHome 400
	IU: RAK-XJ25~50RHAE OU: RAC-XJ25~50WHAE	IU: RAK-VJ18~70RHAE OU: RAC-VJ18~70WHAE	IU: RAK-DJ18~70RHAE OU: RAC-DJ18~70WHAE
Type	Mono and multisplit	Mono and multisplit	Mono and multisplit
Compact: 78 cm wide	-	●	●
Performance			
SCOP	A+++	A++	A++
SEER	A+++	A+++	A++
Constant Power: constant heating capacity down to -15°C.	●	-	-
Comfort			
Motion sensor	●	●	-
Horizontal/vertical louver setting	●	●	-
Fan speed	5	5	5
Sleep Sense Function	● By motion sensor	● By motion sensor	●
Eco Mode	● By motion sensor	● By motion sensor	●
Sound pressure level	● From 21dB(A)	● From 19dB(A)	● From 20dB(A)
Connectivity			
Integrated wifi	●	●	●
Air filtration			
ViroSense Z1 Filter	● (zinc pyrithione)	● (zinc pyrithione)	● (zinc pyrithione)
Ionizer AQtiv-Ion	●	●	-
FrostWash Indoor unit (exchanger cleaning)	● FrostWash 3.0	●	●
FrostWash Outdoor unit (exchanger cleaning)	●	-	-
Mold Guard (mold prevention)	● Mold Guard 2.0	●	●
DuraSpin (reversed fan flow)	●	-	-
Capacity range			
2 kW	-	●	●
2,5 kW	●	●	●
3,5 kW	●	●	●
4,2 kW	-	●	-
5 kW	●	●	●
6 kW	-	●	●
7 kW	-	●	●

air**Home** 800

2.5kW to 5kW (R32), Mono and multisplit

AIRCLOUD GO · CONSTANT POWER -15° · FROST WASH 3.0 · AQTIV ION · EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

NEW

Indoor units

294 | 950 | 230

RAK-XJ25RHAE
RAK-XJ35RHAE
RAK-XJ50RHAE

Outdoor unit

600 | 792 | 299

RAC-XJ25WHAE
RAC-XJ35WHAE

736 | 800 | 350

RAC-XJ50WHAE

Compatible controls and accessories

Infrared wireless controller

New infrared control
Ref.: RC-BGH1FA0G
Included

Wired controller

Wired controller
airPoint Room H700
Ref.: **SPX-URFG**

H-Link gateway
Ref.: **PSC 6RAD**

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: **SPX-WKT5M**

Dry contact kit

Single dry contact kit
Ref.: **SPX-WDC3**

Failure report + operation information
Ref.: **SPX-WDC8**

[1] Tests performed by Kitasato Research Environmental Science (test no. 2020-0650).

+ COMFORT DOWN TO -20° C

- **Constant Power technology:** rated capacity is maintained down to -15°C outside and provides heating down to -20°C.

Power | Outdoor temperature

5,5 kW
4,0 kW
3,2 kW

-20°C · -15°C · -10°C · -5°C · 0°C · 5°C · 7°C · 20°C

-15°C | Constant capacity | 7°C

+ EFFICIENCY

Indoor unit

- **FrostWash[1] 3.0 technology:** self-cleaning of Indoor unit heat exchanger.

Heating
Freezing
Defrosting

- **Mold Guard 2.0 function:** Using a humidity and temperature sensor, the air conditioner determines when it is necessary to heat the Indoor unit heat exchanger to prevent mold and odor growth.

Outdoor unit

- **FrostWash Outdoor unit technology:** self-cleaning of the Outdoor unit heat exchanger.
- **DuraSpin:** airflow from the fan is directed to the Outdoor unit condenser, cleaning it of dirt and dust.

+ COMFORT AT HAND

- Always with you with the airCloud Go app.
- Wi-fi as standard.
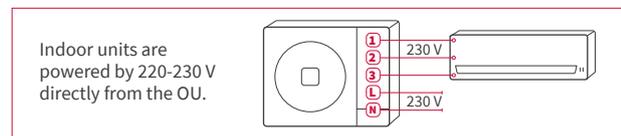- Smart Geo Fence geolocation function.

airHome 800

Model	Unit	2,5kW	3,5kW	5,0kW
Cooling Performance				
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)
Nominal cooling power input (min-max)	kW	0,481 (0,25 - 1,00)	0,814 (0,25 - 1,40)	1,429 (0,50 - 2,10)
EER	-	5,20	4,30	3,50
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	9,50	9,00	7,60
Operating range	°C	-10°C /+ 46°C		
Heating Performance				
Nominal heating capacity (min-max)	kW	3,20 (0,90- 4,40)	4,00 (0,90 - 5,00)	6,00 (2,20 - 7,30)
Nominal heating power input (min-max)	kW	0,593 (0,25 - 1,20)	0,800 (0,25 - 1,60)	1,463 (0,50 - 2,70)
COP	-	5,40	5,00	4,10
Energy class Heating	-	A+++		A++
SCOP (average climate)	-	5,20		4,70
Operating range	°C	-20°C /+ 21°C		
Indoor units	Unit	RAK-XJ25RHAE	RAK-XJ35RHAE	RAK-XJ50RHAE
Sound pressure Cooling. (SL/L/M/H) [1]	dB(A)	21 / 27 / 33 / 40 / 43	21 / 29 / 34 / 41 / 44	25 / 31 / 38 / 43 / 46
Sound pressure Heating (SL/L/M/H) [1]	dB(A)	21 / 28 / 34 / 40 / 44	21 / 29 / 35 / 41 / 45	25 / 31 / 39 / 44 / 48
Sound power Cooling	dB(A)	57	58	60
Cooling Air Flow Rate (SL/L/M/H)	m³/h	230 / 300 / 420 / 590 / 680	230 / 325 / 485 / 650 / 720	260 / 350 / 510 / 680 / 740
Dehumidification	l/h	1,4	1,6	2
Dimensions (H x W x D)	mm	294 x 950 x 230		
Net weight	kg	11		
Controller	-	Infrared (Included)		
Outdoor unit	Unit	RAC-XJ25WHAE	RAC-XJ35WHAE	RAC-XJ50WHAE
Sound pressure Cooling[1]	dB(A)	47	48	51
Sound power Cooling	dB(A)	61	62	65
Air flow rate (Cooling / Heating)	m³/h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x W x D)	mm	600 x 792 x 299		736 x 800 x 350
Net weight	kg	35,8		51
Compressor	-	Rotary		Twin Rotary
Refrigerant cycle				
Piping diameter (Liq / gas)	inches	1/4" / 3/8"		1/4" / 1/2"
Initial charge of refrigerant	kg	1,03		1,3
Pre-loaded for	m	20		30
Min. piping length	m	3		
Max. piping length	m	20		30
Max difference in height (OU above/ below)	m	10 / 10		
Refrigerant	-	R32		
Electrical data				
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		
Operating current (Cooling / Heating)	A	1,09 - 4,35 / 1,09 - 5,22	1,09 - 6,09 / 1,09 - 6,96	2,17 - 9,13 / 2,17 - 11,74

[1] Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Indoor units are powered by 220-230 V directly from the OU.

air Home 600

2.5 kW to 7 kW, Mono and multisplit

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

EUROPEAN PRODUCT DESIGN AWARD

Indoor units

280 | 780 | 227

RAK-VJ25RHAE
RAK-VJ35RHAE
RAK-VJ42RHAE
RAK-VJ50RHAE

294 | 1 050 | 250

RAK-VJ60RHAE
RAK-VJ70RHAE

Outdoor unit

548 | 750 | 288

RAC-VJ25WHAE
RAC-VJ35WHAE

600 | 792 | 299

RAC-VJ42WHAE
RAC-VJ50WHAE

750 | 850 | 298

RAC-VJ60WHAE

800 | 850 | 298

RAC-VJ70WHAE

Compatible controls and accessories

Infrared wireless controller

New Infrared control
Ref.: **RC-AGS1EA0E**
Included

Wired controller

Wired controller
airPoint Room H700
Ref.: **SPX-URFG**

H-Link gateway
Ref.: **PSC 6RAD**

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: **SPX-WKT5MS**

Dry contact kit

Single dry contact kit
Ref.: **SPX-WDC3**

Failure report + operation information
Ref.: **SPX-WDC8**

Other accessories

Virosense Z1 filter
Ref.: **SPX-VSZ1**
Included

[1] Tests conducted by Kitasato Research Environmental Science (test No. 2020-0650).
Tests conducted by Japan Textile Product Quality and Technology Center according to ISO 18184:2019 and Nissenken Quality Evaluation Center according to JIS L1902:2015.
Tests conducted by Institute of Tokyo Environmental Allergy (test No. 11M- RPTJUN025; 11M-RPTMAY043 and 11M-RPTJUN031); Viable Ltd. according to method JIS-L-1920 (test No. REP00864); Nara Medical University; Boken Quality Evaluation according to method JIS Z 2801 (test No. 028669) and by atKinki Bunseki Center, Ltd. (test No. 2011-061015, 071127).
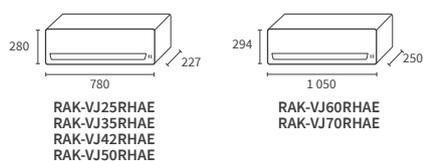
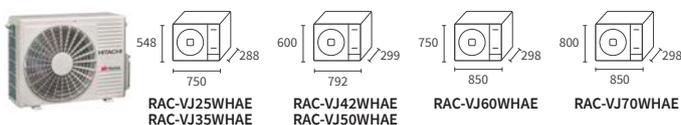SPLIT WALL RANGES

+ 4 STAGES OF FILTRATION

- **AQtiv ionizer integrated as standard in the Unit**
- **3 different air filtration technologies included as standard**:
- Virosense Z1 Filter
- FrostWash: self-cleaning of the heat exchanger
- Mold Guard: prevents the formation of mold
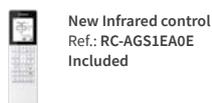
Eliminates up to 99.9%[1] of pollutants

+ EFFICIENCY

Energy saving and comfort

- **Motion sensor:** detects the presence or absence of people in the rooms and adjusts the operation of the air conditioner accordingly.
- **4 way Swing function:** Uniform air distribution throughout the room.

+ COMFORT AT HAND

- Via the airCloud Go app.
- Wi-fi as standard.
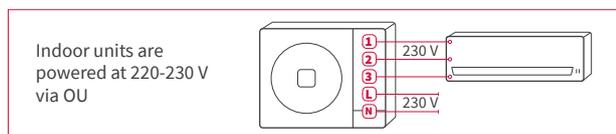- Smart Geo Fence geolocation function.

airHome 600

Model	Unit	2,0kW	2,5kW	3,5kW	4,2kW	5,0kW	6,0kW	7,0kW
Cooling Performance								
Nominal cooling capacity (min-max)	kW	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	4,20 (1,70 - 5,00)	5,00 (1,90 - 5,20)	6,00 (1,75 - 6,80)	7,00 (1,75 - 7,50)
Nominal cooling power input (min-max)	kW	0,419 (0,25 - 1,01)	0,549 (0,25 - 1,29)	0,875 (0,25 - 1,46)	1,120 (0,30 - 1,70)	1,471 (0,30 - 2,10)	1,714 (0,5 - 3,05)	2,160 (0,5 - 3,50)
EER	-	4,77	4,55	4,00	3,75	3,40	3,50	3,24
Energy class Cooling	-	A+++			A++			
SEER (average climate)	-	8,50			7,50	7,35	7,00	
Operating range	°C	-10°C /+ 46°C					-15°C /+ 46°C	
Heating Performance								
Nominal heating capacity (min-max)	kW	2,50 (0,90 - 3,20)	3,40 (0,90 - 4,40)	4,20 (0,90 - 5,00)	5,40 (1,7 - 6,00)	6,00 (2,2 - 7,30)	7,00 (1,75 - 7,80)	8,00 (1,90 - 8,30)
Nominal heating power input (min-max)	kW	0,519 (0,25 - 0,97)	0,733 (0,25 - 1,50)	1,000 (0,25 - 1,70)	1,317 (0,50 - 2,10)	1,558 (0,50 - 2,75)	1,842 (0,5 - 3,05)	2.150(0,5 - 3,50)
COP	-	4,82	4,64	4,20	4,10	3,85	3,80	3,72
Energy class Heating	-	A++						
SCOP (average climate)	-	4,90			4,60			
Operating range	°C	-15°C /+ 21°C					-15°C /+ 24°C	
Indoor units	**Unit**	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE
Sound pressure Cooling. (SL/L/M/H)[1]	dB(A)	21/24/33/35/37	22/24/33/38/40	25/26/36/41/43	25/28/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound pressure Heating (SL/L/M/H)[1]	dB(A)	19/22/33/36/38	20/23/34/39/41	26/27/36/42/44	27/31/39/44/46	27/31/39/44/46	32/36/42/45/47	32/36/42/45/48
Sound power Cooling	dB(A)	51	54	57	60			63
Air flow rate Cooling (SL/L/M/H)	m³/h	206/240/330/390/500	206/240/340/440/550	210/260/400/500/680	230/300/420/560/720	230/300/420/560/750	545/660/800/925/1050	573/690/830/950/1080
Dehumidification	l/h	1,2	1,4	1,6	1,8	2	2,8	4,8
Dimensions (H x W x D)	mm	280 x 780 x 227					294 x 1050 x 250	
Net weight	kg	8,6			8,8		12,5	
Controller	-	Infrared (Included)						
Outdoor unit	**Unit**	RAC-VJ18WHAE	RAC-VJ25WHAE	RAC-VJ35WHAE	RAC-VJ42WHAE	RAC-VJ50WHAE	RAC-VJ60WHAE	RAC-VJ70WHAE
Sound pressure Cooling.[1]	dB(A)	44	46	48	49		53	54
Sound power Cooling	dB(A)	58	60	61	63		65	67
Air flow rate (Cooling / Heating)	m³/h	1860 / 1620		1920 / 1620	2160 / 2160		2700 / 2700	
Dimensions (H x W x D)	mm	548 x 750 x 288			600 x 792 x 299		750 x 850 x 298	800 x 850 x 298
Net weight	kg	31,6			39,5		48	52
Compressor	-	Rotary			Twin Rotary		Rotary	
Refrigerant cycle								
Piping diameter (Liq / gas)	inches	1/4" / 3/8"			1/4" / 1/2"			1/4" / 5/8"
Initial charge of refrigerant	kg	0,870			1,050		1,5	
Pre-loaded for	m	20					30	
Min. piping length	m	3						
Max. piping length	m	20					30	
Max difference in height (OU above/ below)	m	10 / 10					20 / 20	
Refrigerant	-	R32						
Electrical data								
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz						

[1] Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Indoor units are powered at 220-230 V via OU

air Home 400

2.5kW to 7kW (R32), Mono and multisplit

FROST WASH

AIRCLOUD GO

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

reddot winner 2022

Indoor units

280
780
222
RAK-DJ25RHAE
RAK-DJ35RHAE
RAK-DJ50RHAE

294
950
230
RAK-DJ60RHAE
RAK-DJ70RHAE

Outdoor unit

530
660
278
RAC-DJ25WHAE
RAC-DJ35WHAE
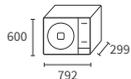
600
792
299
RAC-DJ50WHAE

750
850
298
RAC-DJ60WHAE
RAC-DJ70WHAE

Compatible controls and accessories

Infrared wireless controller

New Infrared control
Ref.: **RC-AGU1EA0G**
Included

Wired controller

Wired controller
airPoint Room H700
Ref.: **SPX-URFG**

H-Link gateway
Ref.: **PSC 6RAD**

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: **SPX-WKT5MS**

Dry contact kit

Single dry contact kit
Ref.: **SPX-WDC3**

Other accessories

Virosense virus filter Z1
Ref.: **SPX-VSZ1**
Included

(1) Tests performed by Japan Textile Product Quality and Technology Center in accordance with ISO 18184:2019 and by Nissenken Quality Evaluation Center in accordance with JIS L1902:2015.
(2) Tests performed by Kitasato Research Environmental Science (test No. 2020-0650).

+ INDOOR AIR QUALITY

Virosense Z1 zinc pyrithione filter as standard.

99% Of viruses and bacteria eliminated[1]
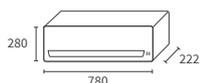
+ PERFORMANCE

Performance constant over time

- **FrostWash**[2] **technology:** self-cleaning of the exchanger.
- **Mold Guard Function:** The heat exchange coil is heated, after cooling operation, to prevent the formation of mold.

+ COMFORT AT HAND

- Command wherever you are via airCloud Go APP.
- Wi-fi Included.
- Unique Smart Geo Fence geolocation function.

airHome 400

Model	Unit	2,0kW	2,5kW	3,5kW	5,0kW	6,0kW	7,0kW
Cooling Performance							
Nominal cooling capacity (min-max)	kW	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)	6,00 (1,75 - 6,80)	7,10 (1,75 - 7,50)
Nominal cooling power input (min-max)	kW	0,58 (0,25 - 1,01)	0,70 (0,25 - 1,29)	1,08 (0,25 - 1,46)	1,55 (0,50 - 2,10)	1,81 (0,50 - 3,05)	2,63 (0,50 - 3,15)
EER	-	3,45	3,57	3,23		3,31	2,70
Energy class Cooling	-	A++					
SEER (average climate)	-	7,5			7,0	6,80	6,20
Operating range	°C	-10°C /+ 46°C				-15°C /+ 46°C	
Heating Performance							
Nominal heating capacity (min-max)	kW	2,50 (0,90 - 3,20)	3,40 (0,90 - 4,40)	4,20 (0,90 - 5,00)	6,00 (2,2 - 7,30)	7,00 (1,75 - 7,80)	8,10 (1,75 - 8,30)
Nominal heating power input (min-max)	kW	0,6 (0,25 - 0,97)	0,93 (0,25 - 1,25)	1,05 (0,25 - 1,70)	1,62 (0,50 - 2,75)	2,00 (0,50 - 3,05)	2,61 (0,50 - 3,05)
COP	-	4,20	3,65	4,00	3,71	3,50	3,10
Energy class Heating	-	A++			A+		
SCOP (average climate)	-	4,60			4,50	4,10	4,00
Operating range	°C	-15°C /+ 21°C			-15°C /+ 21°C		
Indoor units	Unit	RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE	RAK-DJ60RHAE	RAK-DJ70RHAE
Sound pressure Cooling. (SL/L/M/H)[1]	dB(A)	20 / 24 / 29 / 33 / 37	20 / 24 / 30 / 36 / 40	20 / 27 / 35 / 39 / 43	28 / 33 / 38 / 42 / 46	30 / 33 / 42 / 45 / 48	30 / 36 / 42 / 45 / 48
Sound pressure Heating (SL/L/M/H)[1]	dB(A)	20 / 24 / 30 / 34 / 38	20 / 25 / 31 / 36 / 41	20 / 28 / 36 / 40 / 44	25 / 31 / 37 / 42 / 47	30 / 33 / 42 / 45 / 48	30 / 36 / 42 / 45 / 48
Sound power to Cooling.	dB(A)	51	54	57	60		62
Cooling Air Flow Rate (SL/L/M/H)	m³/h	204 / 255 / 384 / 431 / 545	204 / 255 / 394 / 513 / 620	204 / 302 / 446 / 608 / 653	265 / 360 / 528 / 608 / 663	360 / 510 / 700 / 940 / 1000	
Dehumidification	l/h	1,2	1,4	1,6	2	2,8	4,8
Dimensions (H x W x D)	mm	280 x 780 x 222			294 x 950 x 230		
Net weight	kg	7,7			8,4	10,5	
Controller	-	Infrared (Included)					
Outdoor unit	Unit	RAC-DJ18WHAE	RAC-DJ25WHAE	RAC-DJ35WHAE	RAC-DJ50WHAE	RAC-DJ60WHAE	RAC-DJ70WHAE
Sound pressure Cooling.[1]	dB(A)	45	47	48	50	53	54
Sound power Cooling	dB(A)	59	61	62	64	64	67
Air flow rate (Cooling / Heating)	m³/h	1860 / 1620			2160 / 2160	2700 / 2700	
Dimensions (H x W x D)	mm	530 x 660 x 278			600 x 792 x 299	750 x 850 x 298	
Net weight	kg	23		24,4	39,1	48	
Compressor	-	Rotary			Twin Rotary	Rotary	
Refrigerant cycle							
Piping diameter (Liq / gas)	inches	1/4" / 3/8"				1/4" / 1/2"	1/4" / 5/8"
Initial charge of refrigerant	kg	0,58		0,72	0,93	1,5	1,5
Pre-loaded for	m	20				30	
Min. piping length	m	3				3	
Max. piping length	m	20				30	
Max difference in height (OU above/ below)	m	10 / 10				20 / 20	
Refrigerant	-	R32					
Electrical data							
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz					

[1] Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Indoor units are powered by 220-230 V via OU

230 V

230 V

Hitachi Services

PRE-SALE

Smart air, wherever you are
–

airCloud Go

Compact and design
–
Its modern and compact design makes it suitable for any apartment.

Perfect for the winter season
–
Wide and powerful airflow for rapid temperature achievement and maintenance.

SCOP
A++

INSTALLATION AND START-UP

Conforms to regulatory standards
–
Optional SPX-RAFGLS leak detector for Floor indoor unit.

Adaptability
–
Removable unit base.

POSTVENDITA

Hi-Parts
–
The key online tool for distributors:
• Exploded unit views
• Parts Order
• Warranty tracking

Split Light Commercial ranges

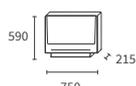|	IU: RAF-RXE OU: RAC-FXE	IU: RAD-RPE / RAD-70PPD OU: RAC-NPE / RAC-70NPD	IU: RAI-RPE OU: RAC-NPE
Type	Single-split and Multi Yutampo	Single-split and Multi Yutampo	Single-split and Multi Yutampo
Performance			
SCOP	A++	A+	A+
SEER	A+++	A++	A++
Comfort			
Sound pressure level	• From 20dB(A)	• From 20dB(A)	• From 28dB(A)
Connectivity			
WiFi module / compatible with airCloud Go	• Optional	• Optional	• Optional
Capacity range			
2,5 kW	•	•	•
3,5 kW	•	•	•
5 kW	•	•	•
6 kW	-	•	•
7 kW	-	•	–

Floor units

2.5kW to 5kW (R32), Single split and Multi Yutampo

AIRCLOUD GO

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Indoor unit

590 × 215
750

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

Outdoor unit

600 / 299
792
RAC-25FXE
RAC-35FXE
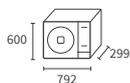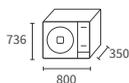
736 / 350
800
RAC-50FXE

Compatible controls and accessories

Infrared wireless controller

Infrared wireless controller
Ref.: **RAR-6NE4**
Included

Gateway airCloud Go
Ref.: **SPX-WFG02**

Wired controllers

Wired controller
airPoint Room H700
Ref.: **SPX-URFG**

Simplified wired controller
Ref.: **SPX-RCDB1**

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: **SPX-WKT5M**

H-Link gateway
Ref.: **PSC 6RAD**

Safety accessory according EN378

R32 leak sensor
Ref.: **SPX-RAFGLS**

Dry contact kit

Single dry contact kit
Ref.: **SPX-WDC3**

ON/OFF dry contact kit + fault report
Ref.: **SPX-WDC5** + Ref.: **HA-S100TSA**

Fault report kit
Ref.: **SPX-WDC7** + Ref.: **HA-S100TSA**

+ FLEXIBILITY OF INSTALLATION
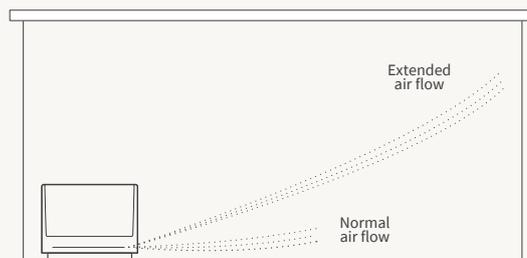
Floor installation
on base (included)

Wall installation

+ COMFORT

Extended airflow allows for greater indoor comfort:

- The desired temperature is reached quickly.
- More homogeneous indoor temperature.

Extended air flow

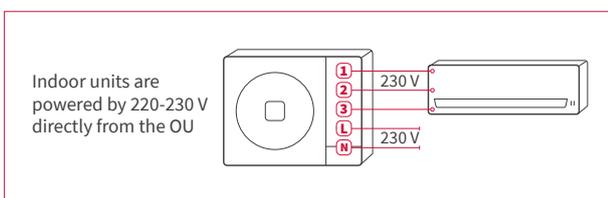Normal air flow

+ COMFORT ALL YEAR ROUND

- Maintains nominal heating capacity at -7°C ext for size 25.

Outdoor temperature

-10°C ❄ Cooling 46°C

-20°C ☀ Heating 24°C

-20°C -10°C 0°C 10°C 20°C 30°C 40°C 50°C
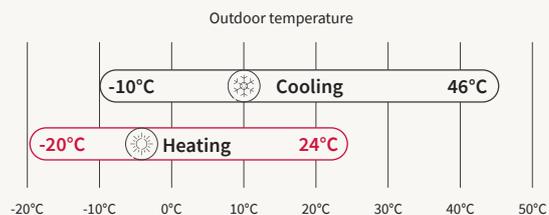
Floor unit

Model	Unit	2,5kW	3,5kW	5,0kW
Cooling Performance				
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (0,90 - 5,20)
Nominal cooling power input (min-max)	kW	0,54 (0,25 - 1,00)	0,93 (0,25 - 1,38)	1,39 (0,5 - 2,10)
EER	-	4,65	3,75	3,60
Energy class Cooling	-	A+++	A++	
SEER (average climate)	-	8,50	8,20	6,80
Operating range	°C	-10°C / +46°C		
Heating Performance				
Nominal heating capacity (min-max)	kW	3,40 (0,90 - 4,40)	4,50 (0,90 - 5,00)	6,00 (0,90 - 8,10)
Nominal heating power input (min-max)	kW	0,76 (0,25 - 1,20)	1,15 (0,25 - 1,5)	1,58 (0,5 - 2,70)
COP	-	4,50	3,90	3,80
Energy class Heating	-	A++		A+
SCOP (average climate)	-	4,60		4,30
Operating range	°C	-20°C / +24°C		
Indoor units	Unit	RAF-25RXE	RAF-35RXE	RAF-50RXE
Sound pressure Cooling. (SL/L/M/H) [1]	dB(A)	20 / 26 / 31 / 38	20 / 26 / 31 / 39	22 / 29 / 36 / 43
Sound power Cooling	dB(A)	52	53	57
Air flow rate Cooling (SL/L/M/H)	m³/h	270 / 390 / 510 / 630		300 / 450 / 540 / 700
Dehumidification	l/h	1,4	1,9	2
Dimensions (H x W x D)	mm	590 x 750 x 215		
Net weight	kg	15		
Controller	-	Infrared (Included)		
Outdoor unit	Unit	RAC-25FXE	RAC-35FXE	RAC-50FXE
Sound pressure Cooling. [1]	dB(A)	45	47	51
Sound power Cooling	dB(A)	59	61	65
Air flow rate (Cooling / Heating)	m³/h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x W x D)	mm	600 x 792 x 299		736 x 800 x 350
Net weight	kg	37		51
Compressor	-	Rotary		Twin Rotary
Refrigerant cycle				
Piping diameter (Liq / gas)	inches	1/4" - 3/8"		1/4" - 1/2"
Condensate drain diameter ext.	mm	16		
Initial charge of refrigerant	kg	0,98		1,2
Pre-loaded for	m	20		30
Min. piping length	m	3		
Max. piping length	m/g/m	20		30
Max difference in height (OU above/below)	m	10/10		
Refrigerant	-	R32		
Electrical features				
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		

[1] Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Indoor units are powered by 220-230 V directly from the OU

230 V

230 V

Ducted units

2.5 to 7.0 kW (R32), Single split and Multi Yutampo

Indoor units

235 | 400 | 750
RAD-25RPE
RAD-35RPE

270 | 720 | 900
RAD-50RPE
RAD-60RPE
RAD-70PPD

Outdoor unit

548 | 288 | 750
RAC-25NPE
RAC-35NPE

750 | 298 | 850
RAC-50NPE
RAC-60NPE

800 | 298 | 850
RAC-70NPD

Compatible controls and accessories

Infrared wireless controller

Infrared controller
Ref.: **SPX-RCKA1**

Gateway airCloud Go
Ref.: **SPX-WFG02**

Wired controllers + BMS gateways

**Wired controller
airPoint Room H700**
Ref.: **SPX-URFG**

Simplified wired controller
Ref.: **SPX-RCDA1**

Gateway 1-1 Modbus
Ref.: **AZAI6WSCHT2**

H-Link gateway
Ref.: **PSC 6RAD**

Gateway 1-1 KNX
Ref.: **AZAI6KNXHT2**

**Control distributor
for multiple Indoor units**
Ref.: **SPX-DST1** + Ref.: **SPX-WDST8M**

**5 m extension cable for wired controller
(max. 2 extension cables/controller)**
Ref.: **SPX-WKT5M**

Other accessories

**Remote
temperature sensor**
Ref.: **SPX-RTH1**

Dry contact kit

**Fault reporting
+ operational information**
Ref.: **SPX-WDC8**

**Dry contact kit ON/OFF
+ fault indication**
Mods.: **SPX-WDC6 + HA-S100TSA**

**Single dry contact
kit**
Ref.: **SPX-WDC2**

➕ IDEAL FOR NEW BUILDINGS
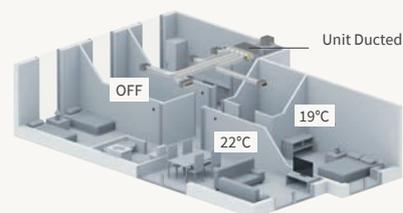
Ideal for new buildings

These units can be used for residential installations without the use of wall units.
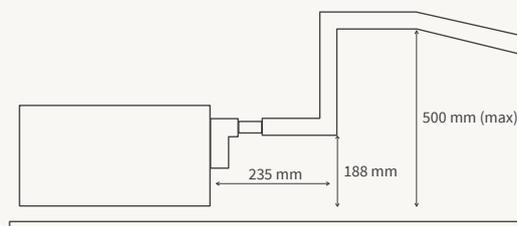
➕ COMFORT

Flexibility of installation

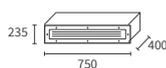Several environments can be controlled with a single Indoor unit.

Unit Ducted
OFF
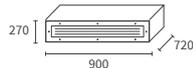19°C
22°C

➕ EASY INSTALLATION

Condensate pump Included

500 mm (max)
235 mm
188 mm

Ducted unit

Model	Unit	2,5kW	3,5kW	5,0kW	6,0kW	7,0kW
Cooling Performance						
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)	7,00 (1,50 - 8,00)
Nominal cooling power input (min-max)	kW	0,595 (0,25 - 1,29)	0,945 (0,25 - 1,46)	1,420 (0,30 - 2,50)	1,710 (0,30 - 2,60)	2,110 (0,50 - 2,70)
EER	-	4,20	3,70	3,52	3,51	3,32
Energy class Cooling	-	A++				
SEER (average climate)	-	6,20	6,50	6,20		6,10
Operating range	°C	-10°C / +46°C		-15°C / +46°C		
Heating Performance						
Nominal heating capacity (min-max)	kW	3,50 (0,90 - 5,50)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)	8,00 (1,50 - 8,50)
COP	-	4,00	3,81	3,82	3,80	3,64
Energy class Heating	-	A+				
SCOP (average climate)	-	4,30		4,00		
Operating range	°C	-15°C / +24°C				
Indoor units	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Sound pressure Cooling (SL/L/M/H) [1]	dB(A)	30 / 33 / 37 / 41		29 / 32 / 35 / 39		
Sound pressure Heating (SL/L/M/H) [1]	dB(A)	30 / 34 / 38 / 42		29 / 32 / 35 / 40		
Sound Power at Cooling	dB(A)	57		55		53
Static pressure (SL/L/H)	Pa	- / - / 70		50 / 100 / 150		
Airflow at Cooling (SL/L/M/H)	m³/h	330 / 390 / 450 / 510		350 / 540 / 800 / 1140		600 / 720 / 840 / 1020
Dehumidification	l/h	2,8				4,8
Dimensions (H x W x D)	mm	235 x 750 x 400		270 x 900 x 720		
Net weight	kg	16		35		
Condensate pump	-	Included				
Controller	-	Not included (SPX-RCKA1 / SPX-RCDA1 / SPX-URFG)				
Outdoor unit	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Sound pressure Cooling [1]	dB(A)	48		50		
Sound pressure Heating	dB(A)	61		65		
Air flow rate (Cooling / Heating)	m³/h	1920 / 1620		2160 / 2160		2700 / 2700
Dimensions (H x W x D)	mm	548 x 750 x 288		750 x 850 x 298		800 x 850 x 298
Net weight	kg	32,5		50		52
Compressor	-	Rotary				
Refrigerant cycle						
Piping diameter (Liq / gas)	inches	1/4" - 3/8"		1/4" - 1/2"		1/4" - 5/8"
Initial charge of refrigerant	kg	0,86		1,50		1,60
Preload for	m	20		30		
Min. piping length	m	3				
Max. piping length / Additional refrigerant	m/g/m	20 / -		30 / -		
Max. height difference (OU above/below)	m	10 / 10		20 / 20		
Refrigerant	-	R32				
Electrical features						
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				

[1] Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).
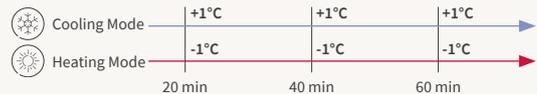
Cassette units

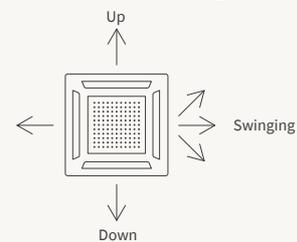## 2.5kW to 6.0kW (R32), Single split and Multi Yutampo

Indoor units

570
570
285
30
620
620

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

Outdoor unit

548
750
288

RAC-25NPE
RAC-35NPE

750
850
298

RAC-50NPE
RAC-60NPE

Compatible controls and accessories

Infrared wireless controller

**Wireless controller
+ receiver kit**
Ref.: **SPX-RCKA3**

Gateway airCloud Go
Ref.: **SPX-WFG02**

Wired controllers + BMS gateways

**Wired controller
airPoint Room H700**
Ref.: **SPX-URFG**

Simplified wired controller
Ref.: **SPX-RCDA1**

Gateway 1-1 Modbus
Ref.: **AZAI6WSCHT2**

H-Link gateway
Ref.: **PSC 6RAD**

Gateway 1-1 KNX
Ref.: **AZAI6KNXHT2**

**Control distributor for multiple
indoor units**
Ref.: **SPX-DST1** + Ref.: **SPX-WDST8M**

**5 m extension cable for wired controller
(max. 2 extension cables/controller)**
Ref.: **SPX-WKT5M**

+ ENERGY SAVING

Motion sensor

It detects the presence of people in the room and adjusts the capacity and temperature.

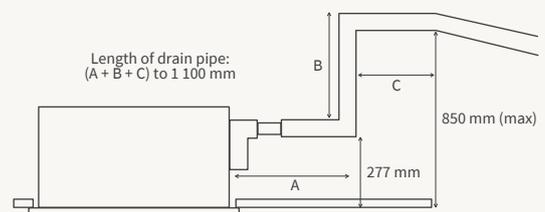|				
Cooling Mode		+1°C	+1°C	+1°C
Heating Mode		-1°C	-1°C	-1°C
		20 min	40 min	60 min

+ CONTROLLER

Individual louver setting

Up

Swinging

Down

+ EASY INSTALLATION

Condensate drain pump included

Length of drain pipe:
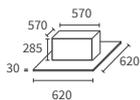(A + B + C) to 1 100 mm

B
C
850 mm (max)
277 mm
A

Dry contact kit

**Dry contact kit ON/OFF
+ fault signal**
Mods.: **SPX-WDC6 + HA-S100TSA**
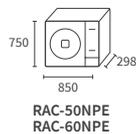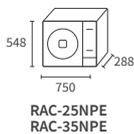
**Fault reporting
+ operational information**
Ref.: **SPX-WDC8**

Single dry contact kit
Ref.: **SPX-WDC2**

Cassette unit 600x600

Model	Unit	2,5kW	3,5kW	5,0kW	6,0kW
Cooling Performance					
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)
Nominal cooling power input (min-max)	kW	0,595 (0,25 - 1,29)	0,875 (0,25 - 1,46)	1,420 (0,30 - 2,50)	1,710 (0,30 - 2,60)
EER	-	4,20	4,00	3,52	3,51
Energy class Cooling	-	A++			
SEER (average climate)	**-**	**6,20**	**6,50**	**6,20**	
Operating range	°C	-10°C / +46°C		-15°C / +46°C	
Heating Performance					
Nominal heating capacity (min-max)	kW	3,50 (0,90 - 5,00)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)
COP	-	4,00	3,90	3,82	3,80
Energy class Heating	-	A+			
SCOP (average climate)	**-**	**4,30**		**4,40**	
Operating range	°C	-15°C / +24°C			
Indoor units	**Unit**	**RAI-25RPE**	**RAI-35RPE**	**RAI-50RPE**	**RAI-60RPE**
Sound pressure Cooling. (SL/L/M/H) [1]	dB(A)	27 / 31 / 35 / 38	27 / 33 / 37 / 40	29 / 35 / 39 / 43	
Sound pressure Heating (SL/L/M/H) [1]	dB(A)	28 / 32 / 36 / 39	28 / 34 / 38 / 41	30 / 36 / 40 / 44	
Sound power Cooling	dB(A)	54		56	
Airflow rate Cooling (SL/L/M/H)	m³/h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1,4	1,8	2,8	3,8
Dimensions (H x W x D)	mm	285 x 570 x 570			
Decorative panel dimensions (H x W x D)	mm	30 x 620 x 620			
Net body weight	kg	17			
Net weight decorative panel	kg	2,8			
Decorative panel with motion sensor	-	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
Controller	-	Not included (SPX-RCKA3 / SPX-RCDB1 / SPX-URFG)			
Outdoor unit	**Unit**	**RAC-25NPE**	**RAC-35NPE**	**RAC-50NPE**	**RAC-60NPE**
Sound pressure Cooling. [1]	dB(A)	48		50	
Sound power Cooling	dB(A)	61		65	
Air flow rate (Cooling / Heating)	m³/h	1920 / 1620		2160 / 2160	
Dimensions (H x W x D)	mm	548 x 750 x 288		750 x 850 x 298	
Net weight	kg	32,5		50	
Compressor	-	Rotary			
Refrigerant cycle					
Piping diameter (Liq / gas)	inches	1/4" - 3/8"		1/4" - 1/2"	
Condensate drain diameter (ext.)	mm	32			
Condensate pump	-	Included			
Initial charge of refrigerant	kg	0,86		1,50	
Preload for	m	20		30	
Min. piping length	m	3			
Max. piping length / Additional refrigerant	m/g/m	20 / -		30 / -	
Maximum height difference (OU above/below)	m	10 / 10		20 / 20	
Refrigerant	-	R32			
Electrical features					
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			

[1] Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Hitachi Services

PRE-SALE

Meet the needs of your project precisely

Possibility to connect with 32 different sizes and types of indoor units.

Connected solutions*

airCloud Go

INSTALLATION AND START-UP

Control up to 13 Indoor units

• Centralized controller for up to 13 Indoor units:

SPX-URFG **+** SPX-DST1 + SPX-WDST8M**

• Connect the system with the CSNET Manager and the Modbus, Bacnet and KNX gateways: H-link module for multisplit outdoor units SPX-RAMHLK.

POST SALE

Hi-Parts

The key online tool for distributors:
• Exploded product views
• Parts ordering
• Warranty tracking

airCloud alarm code

All fault codes and troubleshooting procedures with you, wherever you are simply!

▶ airCloud-alarmcode.hitachiaircon.com

* Built-in wifi as standard on airHome wall-mounted units.
** SPX-WDST8M: except airHome Cassette

airHome Multi Pro

Outdoor unit standard RAM-GNHAE	RAM-G36N2HAE	RAM-G43N2HAE	RAM-G55N2HAE	RAM-G55N3HAE	RAM-G68N3HAE	RAM-G70N4HAE	RAM-G85N5HAE	RAM-G110N5HAE
Nominal cooling capacity	3,6 kW	4,3 kW	5,5 kW	5,5 kW	6,8 kW	7,0 kW	8,5 kW	10 kW
Nominal heating capacity	4,4 kW	5,2 kW	6,8 kW	6,8 kW	8,5 kW	8,5 kW	10,0 kW	12,0 kW
Energy class Cooling	A+++	A+++	A+++	A+++	A++	A++	A++	A++
Energy class Heating	A++	A++	A++	A++	A++	A++	A+	A+
Number of indoor unit connections	2	2	2	3	3	4	5	5
Max. piping length	35	35	35	50	60	60	75	75

Indoor units compatible with RAM-GNHAE	airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted low ESP Up to 70 Pa	airHome Ducted medium ESP Up to 150 Pa	airHome Cassette
	RAK-DJQHAE ; RAK-DJRHAE	RAK-VJQHAE ; RAK-VJRHAE	RAK-XJQHAE ; RAK-XJRHAE	RAF-XJQHAE	RAD-DJQHAE	RAD-DJQHAE	RAI-VJQHAE
1,5 kW	●	●	-	-	-	-	-
1,8 kW	-	-	●	-	●	-	-
2 kW	●	●	-	-	-	-	-
2,5 kW	●	●	●	●	●	-	●
3,5 kW	●	●	●	●	●	-	●
4,2 kW	-	●	-	-	-	-	-
5 kW	●	●	●	●	-	●	●
6 kW	●	●	-	-	-	●	●
7 kW	●	●	-	-	-	●	-

air Home Multi Pro

3.6kW to 10.0kW (R32)

SCOP A++ | SEER A+++ | EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

NEW

Outdoor unit

RAM-G36N2HAE
RAM-G43N2HAE
570 / 750 / 280

RAM-G55N2HAE
750 / 850 / 298

RAM-G55N3HAE
RAM-G68N3HAE
RAM-G70N4HAE
800 / 850 / 298

RAM-G85N5HAE
800 / 950 / 370

RAM-G110N5HAE
945 / 950 / 370

Compatible controls and accessories Outdoor unit

H-link adapter
Outdoor unit
Ref.: **SPX-RAMHLK**

Compatible controls and accessories Wall-mounted indoor units

Wired controller

Wired controller
airPoint Room H700
Ref.: **SPX-URFG**

Control distributor for
multiple indoor units
Ref.: **SPX-DST1**   +   Ref.: **SPX-WDST8M**

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: **SPX-WKT5M**

Dry contact kit

Single dry contact kit
Ref.: **SPX-WDC3**

Fault reporting + operational information
Ref.: **SPX-WDC8**
Compatible with all indoor units except
airHome 400 range

➕ COMFORT ALL YEAR ROUND

- **High performance unit in** Cooling mode:
  SEER: up to **A+++**

➕ DESIGN

Wide range of compatible indoor units

Compatible with airHome 400, airHome 600 and airHome 800 wall-mounted indoor units.
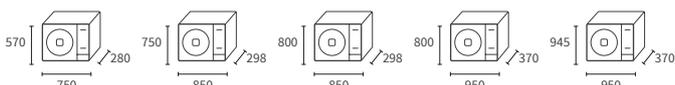

➕ SMART AIR

Smart control of wall-mounted units

Wi-fi integrated, without the use of additional accessories (airHome 400/ 600/ 800).

airHome Multi Pro

Outdoor unit	Unit	RAM-G36N2HAE	RAM-G43N2HAE	RAM-G55N2HAE	RAM-G55N3HAE	RAM-G68N3HAE	RAM-G70N4HAE	RAM-G85N5HAE	RAM-G110N5HAE
Cooling Performance									
Nominal cooling capacity (min-max)	kW	3,60 (1,50 - 4,20)	4,30 (1,50 - 4,60)	5,50 (1,50 - 6,60)		6,80 (2,40 - 8,00)	7,00 (2,40 - 8,80)	8,50 (1,50 - 9,50)	10,00 (1,50 - 12,50)
Nominal cooling power input (min-max)	kW	0,85 (0,30 - 1,20)	1,02 (0,30 - 1,30)	1,30 (0,35 - 1,66)	1,30 (0,46 - 1,68)	1,83 (0,46 - 2,96)	1,89 (0,46 - 3,20)	2,50 (0,50 - 3,85)	2,967 (0,50 - 4,50)
SEER (Average climate)	-	8,50				8,10	8,20	7,90	6,87
Seasonal energy class Cooling	-	A+++				A++			
Operating range	°C	-10°C / +46°C							
Heating Performance									
Nominal heating capacity (min-max)	kW	4,40 (1,50 - 5,00)	5,20 (1,50 - 5,50)	6,80 (1,50 - 7,20)		8,50 (2,40 - 9,50)	8,50 (2,60 - 9,50)	10,00 (1,50 - 11,50)	12,00 (1,50 - 12,70)
Nominal heatingpower input (min-max)	kW	1,00 (0,50 - 1,40)	1,18 (0,50 - 1,50)	1,61 (0,35 - 2,01)	1,61 (0,43 - 2,01)	2,12 (0,43 - 2,60)	2,02 (0,48 - 3,12)	2,56 (0,50 - 3,85)	2,778 (0,50 - 5,00)
SCOP average climate	-	4,60						4,30	4,42
Seasonal energy class Heating	-	A++						A+	
Operating range	°C	-15°C / +24°C							
Technical data									
Number of connectable Units (min-max)	-	2 / 2			2 / 3		2 / 4	2 / 5	2 / 5
Sound pressure Cooling	dB(A)	48	49	50				52	56
Sound power	dB(A)	60		61		63		66	70
Air flow rate (Cooling/heating)	m3/h	1620 / 1620		2160 / 2160		2340 / 2100		3900 / 3900	4000 / 4000
Dimensions (H x W x D)	mm	570 x 750 x 280		750 x 850 x 298		800 x 850 x 298		800 x 950 x 370	945 x 950 x 370
Net weight	kg	40		51		58		74	81
Refrigerant	-	R32							
Compressor	-	Rotary		TWIN Rotary					
Refrigerant cycle									
Piping diameter (Liq /Gas)	inches	1/4 x 2 / 3/8 x 2			1/4 x 3 / 3/8 x 3		1/4 x 4 / 3/8 x 3 + 1/2 x 1	1/4 x 5 / 3/8 x 3 + 1/2 x 2	
Initial charge of refrigerant	kg	1,07		1,80		2,05		2,40	2,72
Preload for	m	35				30		35	30
Min. piping length	m	3							
Max. piping length / Additional charge	m/g/m	35 / -			50 / 20	60 / 20		75 / 15	75 / 13
Max. height difference	m	10		20					
Electrical data									
Power supply	-	220-230V							

Attention

The capacity of each Indoor unit depends on the Outdoor unit, the selected combination, the length of piping, and the Outdoor temperature. The length of piping used to determine the above values is 10 m. Capacity of indoor units must not exceed capacity of outdoor unit: see the combination table. For accurate selection, please consult our technical documentation.

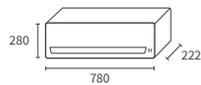Indoor units are powered at 220-230 V from the Outdoor unit.

1 — 230 V
2
3
L
N — 230 V
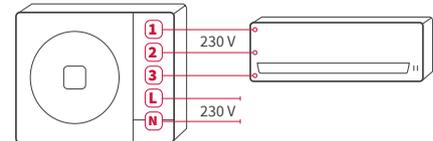
Wall-mounted unit

airHome 400

1.5kW to 7kW (R32), Mono and multisplit

Indoor units

RAK-DJ15QHAE
RAK-DJ18RHAE
RAK-DJ25RHAE
RAK-DJ35RHAE
RAK-DJ50RHAE

RAK-DJ60RHAE
RAK-DJ70RHAE

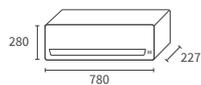| Model	Unit	RAK-DJ15QHAE	RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE	RAK-DJ60RHAE	RAK-DJ70RHAE
Nominal cooling capacity (min - max)	kW	1,50 (0,90 - 2,50)	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)	6,00 (1,75 - 6,80)	7,10 (1,75 - 7,50)
Nominal heating capacity (min - max)	kW	2,00 (0,90 - 3,20)	2,50 (0,90 - 3,20)	3,40 (0,90 - 4,40)	4,20 (0,90 - 5,00)	6,00 (2,20 - 7,30)	7,00 (1,75 - 7,80)	8,10 (1,75 - 8,30)
Dimensions (H x W x D)	mm	280 x 780 x 222					294 x 950 x 230	
Piping diameter (Liq / gas)	inches	1/4 - 3/8					1/4 - 1/2	1/4 - 5/8
Net weight	kg	7,7				8,4	10,5	
Power supply	V	220 - 230V						
Controller	-	Wireless RC-AGU1EA0G (Included)						

airHome 600

1.5kW to 7kW (R32), Mono and multisplit

Indoor units

RAK-VJ15QHAE
RAK-VJ18RHAE
RAK-VJ25RHAE
RAK-VJ35RHAE
RAK-VJ42RHAE
RAK-VJ50RHAE

RAK-VJ60RHAE
RAK-VJ70RHAE

| Model	Unit	RAK-VJ15QHAE	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE
Nominal cooling capacity (min - max)	kW	1,50 (0,90 - 2,50)	2,00 (0,90 - 3,10)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	4,20 (1,70 - 5,00)	5,00 (1,90 - 5,20)	6,00 (1,90 - 6,80)	7,00 (1,90 - 7,50)
Nominal heating capacity (min - max)	kW	2,00 (0,90 - 3,20)	2,50 (0,90 - 3,20)	3,40 (0,90 - 4,40)	4,20 (0,90 - 5,00)	5,40 (1,70 - 6,00)	6,00 (2,20 - 7,30)	7,00 (1,90 - 7,80)	8,00 (1,90 - 8,30)
Dimensions (H x W x D)	mm	280 x 780 x 227						294 x 1050 x 250	
Piping diameter (Liq / gas)	inches	1/4 - 3/8				1/4 - 1/2			1/4 - 5/8
Net weight	kg	8,6				8,8		12,5	
Power supply	V	220 - 230V							
Controller	-	Wireless RC-AGS1EA0E (Included)							

airHome 800

1.8kW to 5kW (R32), Mono and multisplit

NEW

Indoor units
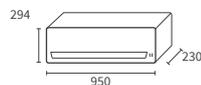
RAK-XJ18QHAE
RAK-XJ25RHAE
RAK-XJ35RHAE
RAK-XJ50RHAE

Model	Unit	RAK-XJ18QHAE	RAK-XJ25RHAE	RAK-XJ35RHAE	RAK-XJ50RHAE
Nominal cooling capacity (min - max)	kW	1,80 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)
Nominal heating capacity (min - max)	kW	2,50 (0,90 - 3,20)	3,20 (0,90 - 4,40)	4,00 (0,90 - 5,00)	6,00 (2,20 - 7,30)
Dimensions (H x W x D)	mm	294 x 950 x 230			
Piping diameter (Liq / gas)	inches	1/4 - 3/8			1/4 - 1/2
Net weight	kg	11,0			
Power supply	V	220 - 230V			
Controller	-	Wireless RC-BGH1FA0G (Included)			

air Home Floor

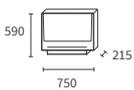2.5kW to 5.0kW (R32), compatible
with airHome Multi Pro only

NEW

AIRCLOUD GO

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Indoor units

590
215
750

RAF-XJ25QHAE
RAF-XJ35QHAE
RAF-XJ50QHAE

Compatible controls and accessories

Infrared wireless controller

Infrared wireless controller
Ref.: RC-BGH1FA0E
Included

Gateway airCloud Go
Ref.: SPX-WFG03

Wired controller

Wired controller airPoint Room H700
Ref.: SPX-URFG

Control distributor for multiple indoor units
Ref.: SPX-DST1 + Ref.: SPX-WDST8M

Dry contact kit

Single dry contact kit
Ref.: SPX-WDC3

Fault reporting + operational information
Ref.: SPX-WDC8

Accessory for EN378

R32 leak sensor
Ref.: SPX-RAFGLS-N

+ FLEXIBILITY

Floor installation on base (included)

Wall installation

+ INSIDE COMFORT

Wide **airflow ensures better distribution** of indoor temperature and greater comfort.

- The desired temperature is reached quickly
- Temperature kept constant.

Extended air flow

Normal air flow
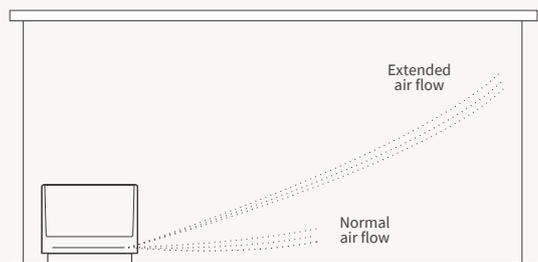
Indoor units	Unit	RAF-XJ25QHAE	RAF-XJ35QHAE	RAF-XJ50QHAE
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (0,90 - 5,20)
Nominal heating capacity (min-max)	kW	3,40 (0,90 - 4,40)	4,50 (0,90 - 5,00)	6,00 (0,90 - 8,10)
Sound pressure Cooling (5 steps) [1]	dB(A)	20 / 26 / 31 / 36 / 38	20 / 26 / 31 / 38 / 39	22 / 29 / 36 / 41 / 43
Sound power	dB(A)	52	53	57
Air flow rate (Cooling)	m³/h	270 / 390 / 510 / 580 / 630	270 / 390 / 510 / 590 / 630	300 / 450 / 540 / 650 / 700
Dehumidification	l/h	1,4	1,9	2,0
Dimensions (H x W x D)	mm	590 x 750 x 215		
Diameter of condensate drain (ext)	mm	16		
Piping diameter (Liq / gas)	inches	1/4 - 3/8		1/4 - 1/2
Net weight	kg	15		
Power supply	V	220 - 230 V		
Controller	-	Wireless RC-BGH1FA0E (Included)		

[1] Sound pressure measurements were made at a distance of 1 meter from the Unit in free field (see technical catalog)

air Home Ducted

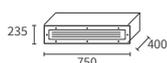## 1.8kW to 7.0kW (R32), compatible with airHome Multi Pro only
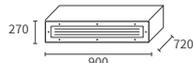
NEW

AIR ZONE · AIRCLOUD GO · EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Indoor units

235 / 750 / 400
RAD-DJ18QHAE
RAD-DJ25QHAE
RAD-DJ35QHAE

270 / 900 / 720
RAD-DJ50QHAE
RAD-DJ60QHAE
RAD-DJ70QHAE

+ IDEAL FOR NEW CONSTRUCTIONS

These units can be used for residential installations without the use of wall units.

Compatible controls and accessories

Infrared wireless controller

Infrared wireless controller
Ref.: SPX-RKD800

Gateway airCloud Go
Ref.: SPX-WFG03

Other accessories

Single dry contact kit
Ref.: SPX-WDC2

Fault reporting + operational information
Ref.: SPX-WDC8

Wired controller and BMS

Wired controller airPoint Room H700
Ref.: SPX-URFG

5 m extension cable for wired controller (max. 2 extension cables/controller)
Ref.: SPX-WKT5M

Control distributor for multiple indoor units
Ref.: SPX-DST1

Gateway 1-1 Modbus
Ref.: AZAI6WSCHT2

Gateway 1-1 KNX
Ref.: AZAI6KNXHT2

Indoor units	Unit	RAD-DJ18QHAE	RAD-DJ25QHAE	RAD-DJ35QHAE	RAD-DJ50QHAE	RAD-DJ60QHAE	RAD-DJ70QHAE
Nominal cooling capacity (min - max)	kW	1,80 (0,90 - 2,50)	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)	7.0 (1.50-8.00)
Nominal heating capacity (min - max)	kW	2,50 (0,90 - 3,20)	3,50 (0,90 - 5,50)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)	8.0 (1.50-8.50)
Sound pressure Cooling (5 steps)[1]	dB(A)	29 / 31 / 34 / NC / 36	30 / 33 / 37 / NC / 41			29 / 32 / 35 / 37 / 39	
Sound pressure heating (5 steps)[1]	dB(A)	27 / 3 0/ 33 / NC / 37	30 / 34 / 38 / NC / 42			29 / 32 / 35 / 38 / 40	
Sound power	dB(A)	57			55		57
Air flow rate (Cooling)	m³/h	330 / 390 / 450 / NC / 510			350 / 540 / 800 / 970 / 1140		
Static pressure (3 levels)	Pa	- / - / 70			50 / 100 / 150		
Dehumidification	l/h	1,4		1,6	2,8		4,8
Dimensions (H x W x D)	mm	235 x 750 x 400			270 x 900 x 720		
Condensation drain diameter (ext)	mm	16					
Condensate pump	-	Included					
Piping diameter (Liq / gas)	inches	1/4 - 3/8			1/4 - 1/2		1/4 - 5/8
Net weight	kg	16			35		
Power supply	V	220 - 230V					
Controller	-	Not included (SPX-RKD800 /SPX-URFG)					

[1] Sound pressure measurements were made at a distance of 1 meter from the Unit in free field (see technical catalog).

air**Home** Cassette
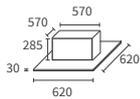
2.5kW to 6.0kW (R32), compatible with airHome Multi Pro only

AIRCLOUD GO

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

NEW

Indoor units

570
570
285
30
620
620

RAI-VJ25QHAE
RAI-VJ35QHAE
RAI-VJ50QHAE
RAI-VJ60QHAE

Compatible controls and accessories

Infrared wireless controller

Infrared wireless controller
Ref.: **SPX-RKC800**

Gateway airCloud Go
Ref.: **SPX-WFG03**

Wired controller and BMS

Wired controller airPoint Room H700
Ref.: **SPX-URFG**

5 m extension cable for wired controller (max. 2 extension cables/controller)
Ref.: **SPX-WKT5M**

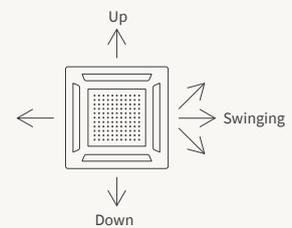**Control distributor for multiple indoor units**
Ref.: **SPX-DST1**

Gateway 1-1 Modbus
Ref.: **AZAI6WSCHT2**

Gateway 1-1 KNX
Ref.: **AZAI6KNXHT2**

+ ENERGY SAVING

Motion sensor

It detects the presence of people in the room and adjusts the capacity and temperature.

Cooling
Heating

| | +1°C | +1°C | +1°C |
| -1°C | -1°C | -1°C |
20 min   40 min   60 min

+ CONTROL

Individual louver setting

Up
Swinging
Down

Indoor units	Unit	RAI-VJ25QHAE	RAI-VJ35QHAE	RAI-VJ50QHAE	RAI-VJ60QHAE
Nominal cooling capacity (min - max)	kW	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)
Nominal heating capacity (min - max)	kW	3,50 (0,90 - 5,00)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)
Sound pressure Cooling (5 steps) [1]	dB(A)	27 / 33 / 37 / 39 / 40		29 / 35 / 39 / 41 / 43	
Sound pressure Heating (5 steps) [1]	dB(A)	28 / 34 / 38 / 40 / 41		30 / 36 / 40 / 42 / 44	
Sound power	dB(A)	54	56	56	
Air flow rate (Cooling)	m³/h	360 / 505 / 590 / 630 / 660		390 / 540 / 630 / 690 / 720	
Dehumidification	l/h	1,4	1,8	2,8	3,8
Dimensions (H x W x D)	mm	285 x 570 x 570			
Dimensions of the decorative panel (H x W x D)	mm	30 x 620 x 620			
Condensate drain diameter (ext)	mm	32			
Condensate drain pump	-	Included			
Piping diameter (Liq / gas)	inches	1/4 - 3/8		1/4 - 1/2	1/4 - 1/2
Net body weight	kg	17			
Net weight decorative panel	kg	2,8			
Decorative panel	-	P-AP56NAMS			
Power supply	V	220 - 230V			
Controller	-	Not included (SPX-RKC800 / SPX-URFG)			

*Sound pressure measurements were carried out at a distance of 1m from the free-field Unit (see technical catalog)

Hitachi Services

RESIDENTIAL

Features to maximize energy savings

—

ECO mode button on every controller.

Google Home and Alexa compatible with airCloud Go

—

Our residential AC systems can be connected to Alexa and Google Home.

▶ **bit.ly/aircloud-go-global**

INSTALLATION AND START-UP

Installer mode on each controller

—

Program the optional functions of the outdoor unit.

Wifi gateway integrated in the Unit!

—

Wall airHome units are ready for remote control by airCloud Go as soon as you turn them on and pair them with a WiFi network.

Simplified controller user manuals

—

Find the manuals below or ask your Hitachi partner.
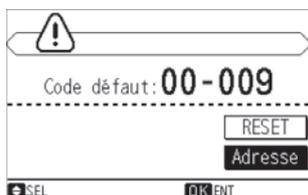
Remote controllers

Wireless   Wired

▶ **bit.ly/nst-wireless**   ▶ **bit.ly/nst-wired**

POST-SALE

Troubleshooting

—

Display of fault codes on each controller.

Code défaut: **00-009**

RESET
Adresse

SEL   OK ENT

airCloud AlarmCode

—

All fault codes and troubleshooting procedures with you, simply and anywhere!

Alarm Code

HITACHI

▶ **aircloud-alarmcode.hitachiaircon.com**

Selection Guide
Controls for RAC systems

Indoor unit control

		airHome					Mono and Multi Yutampo	
		airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted / airHome Cassette	Ducted Light commercial / Cassette Light commercial	Performance / Hi-End (Shirokuma) / Floor Shirokuma
Compatibility		Monosplit and Multisplit			Only for multisplit		Monosplit and Multi Yutampo	Monosplit and Multi Yutampo
Local controllers — Infrared Wireless Controllers		RC-AGU1EA0G Included standard	RC-AGS1EA0E Included standard	RC-BGH1FA0G Included standard	RC-BGH1FA0E Included standard	SPX-RKD800 (Ducted) SPX-RKC800 (Cassette) Optional	SPX-RCKA1 (Ducted) SPX-RCKA3 (Cassette) Optional	RAR-6NE1 wall Included standard RAR-6NE4 floor Included standard
Wired Controllers	P.84	SPX-URFG					SPX-WKT4 (until sold out, then replaced by SPX-URFG)	
		SPX-RCDB1				-	SPX-RCDA1 (Ducted) SPX-RCDB1 (other)	
Centralized control (distributor)		SPX-DST1 + 8m cable SPX-WDST8M						
Connectivity — App	P.86	Standard via airCloud Go			Gateway airCloud Go SPX-WFG03		Gateway airCloud Go SPX-WFG02	
BMS		KNX Gateway: AZAI6KNXHT2 or Modbus Gateway: AZAI6WSCHT2						
Accessories — H-Link interface for Residential AC units		PSC-6RAD						
Dry contact kit	P.87	SPX-WDC3 cable					SPX-WDC2 cable	SPX-WDC3 cable
Alarm signal kit		-					HA-S100TSA	SPX-WDC7 + HA-S100TSA
Dry contact + alarm signal kit (DC 5-24V-10 mA max)		-	SPX-WDC5 + HA-S100TSA			-	SPX-WDC6 + HA-S100TSA	SPX-WDC5 + HA-S100TSA
ON/OFF status + alarm signal kit		-	SPX-WDC8 (except Shirokuma Floor)					

CONTROLS FOR RAC

Outdoor unit control

		airHome Multi (Pro) RAM-GNHAE / RAM-ENHAE	Multi Yutampo RAM-NYPE
Integration with Hitachi Central controllers for Commercial portfolio	P.87	H-Link for outdoor unit SPX-RAMHLK	

# Remote controllers and optional functions

Features of controllers

Model	Infrared wireless controllers					Wired controllers		
	RC-AGU1EA0G (airHome 400)	RC-AGS1EA0E (airHome 600) SPX-RKC800 (airHome Cassette)	RC-BGH1FA0G (airHome 800) RC-BGH1FA0E (airHome Floor) SPX-RKD800 (airHome Ducted)	RAR-6NE1 (Performance, Hi-End) RAR-6NE4 (Shirokuma Floor)	SPX-RCKA1 (Ducted) SPX-RCKA3 (Cassette)	SPX-RCDA1 (Ducted) SPX-RCDB1 (Wall, cassette and floor)	SPX-WKT4 (except airHome ranges) *while supplies last	SPX-URFG (airHome ranges)
Choice of mode (Heating, Cooling, Ventilation, Dehumidification)	●	●	●	●	●	●	●	●
Temperature setting °C	●	●	●	●	●	●	●	●
Eco Mode	●	●	●	●	●	●	●	●
PowerSafe mode (Compressor power limitation)	-	●	●	-	-	-	-	●
Night mode	●	●	●	-	-	-	-	●
Weekly timer	Via airCloud Go (standard on the airHome range)		●	●	●	-	●	●
Power consumption	Via airCloud Go (standard on the airHome range)		●	●	●	-	●	●
Alarm codes	●	●	●	●	●	-	●	●
Leave Home mode	●	●	●	●	●	-	●	●
Alarm history	●	●	●	-	-	-	●	●

Central group control with wired controller

Wired controller
Ref.: **SPX-URFG**

OR
Wired controller
Ref.: **SPX-WKT4**
*while supplies last

OR
Simplified wired controller
Ref.: **SPX-RCDA1/B1**

+ Ref.: **SPX-DST1**

+ Cable
Ref.: **SPX-WDST8M**
length: 8 m

SPX-WDST8M Cable

SPX-DST1

SPX-DST1

SPX-WDST8M Cable

SPX-DST1

SPX-RCDA1/B1   SPX-WKT4   SPX-URFG
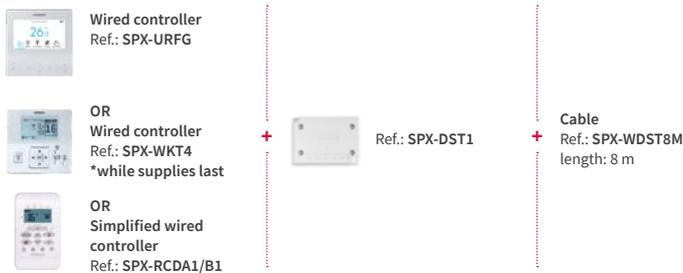
✓ 1 box SPX-DST1 can control up to 4 Indoor units

✓ Up to 4 SPX-DST1 distributors can be connected to control up to 13 Indoor units.

✓ Provide 1 cable between each Indoor unit and the SPX-DST1 distributor (also provide 1 cable between two SPX-DST1 distributors).

✓ All Indoor units operate in the same mode and with the same setpoint.
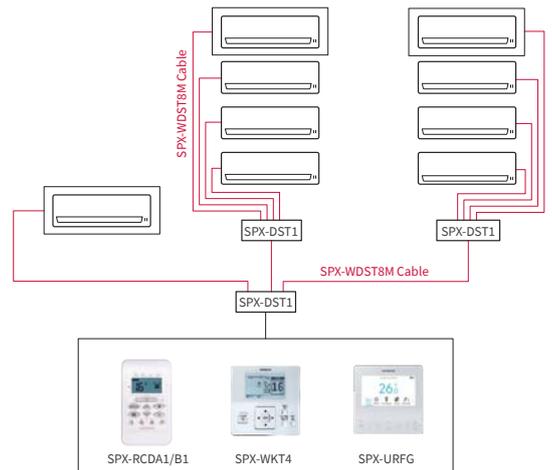
Save energy with Hitachi controllers!

Monitor

Via Infrared controllers
RAR-6NE1 ; RAR-6NE4 ; SPX-RCKA1 ;
SPX-RCKA3 ; RC-BGH1FA0G ; RC-BGH1FA0E ;
SPX-RKD800

Info	
Power consumption in Cooling mode	
This month	25.2 kWh
Last month	9.7 kWh

Via wired controllers
SPX-WKT4 ; SPX-URFG

Info	
Power consumption in Heating mode	
This month	18.6 kWh
Last month	43.5 kWh

Via the airCloud Go app

AIRCLOUD GO

Edit settings

Activating the ECO mode

Via infrared controller
RC-AGU1EA0G ; RC-AGS1EA0E ;
RAR-6NE1 ; RAR-6NE4 ;
SPX-RCKA1 ; SPX-RCKA3 ;
RC-BGH1FA0G ; RC-BGH1FA0E ;
SPX-RKD800 ; SPX-RKC800

Smart Eco

For Units without motion sensor
This mode automatically increases (cooling mode) or decreases (heating mode) the set temperature.

For Units with motion sensor
2 modes to choose from:

Smart Eco Mode (set point shift)

If nobody detected for **20 min**
❄ COOLING MODE = **+1°C**
☀ HEATING MODE = **-1°C**

If nobody detected for **60 min**
❄ COOLING MODE = **+1°C**
☀ HEATING MODE = **-1°C**

Auto Off Mode*

If nobody detected for **60 min**
❄ ☀ **Indoor unit stops**

Via wired controller
SPX-WKT4 ; SPX-URFG

ECO

Setting the weekly schedule

Set your own operating preferences to avoid energy waste.

Via Infrared controllers
RAR-6NE1 ; RAR-6NE4 ;
SPX-RCKA1 ; SPX-RCKA3 ;
RC-BGH1FA0G ; RC-BGH1FA0E ;
SPX-RKD800

With wired controllers
SPX-WKT4 ; SPX-URFG

Via the airCloud Go app

AIRCLOUD GO

Using geolocation

Via the airCloud Go app

Turning the Unit on and off when returning or leaving home:
✓ Via smartphone geolocation,
✓ Choice of range in km around your home,
✓ Setting the Unit mode.

* airHome 600, airHome 800 and airHome Cassette only.

Connected home & home automation

Control your units remotely with airCloud Go

Hitachi application dedicated to **Mono and Multi residential air-to-air heat pumps.**

Internet

air'Cloud Go

Google Home

o

Amazon Alexa

Hitachi air-to-air heat pump

air

via smartphone

via voice commands

✓ **airHome 400, 600 and 800 :** Wifi Included.

✓ **Performance, Hi-End, Shirokuma Floor, Ducted and Cassette:** Requires SPX-WFG02 adapter.

✓ **airHome Floor / Cassette / Ducted:** Requires SPX-WFG03 adapter.

Disponible en **App Store**

Disponible en **Google Play**

Go to: bit.ly/aircloud-go-global

Functions:

- Start/Stop
- Temperature setting
- Weekly programming

- Energy consumption display (for airHome range)
- Geolocation
- Compatibility with Google Home and Amazon Alexa
- Display of alarm codes

Home automation with Somfy

Somfy control system

somfy.

Ref. : **SPX-TAG01**

Hitachi air-to-air heat pumps integrate into the Somfy ecosystem using the SPX-TAG01 interface.

The SPX-TAG01 gateway is compatible with:
- TaHoma Switch Box (available at Somfy distributors)
- olderTahoma Box (available at Somfy distributors)

Centralize your controls for the entire house in a single application:
- Control your Hitachi residential AC
- Control your gates, blinds, alarm...
- Program and create operation scenarios of your equipment
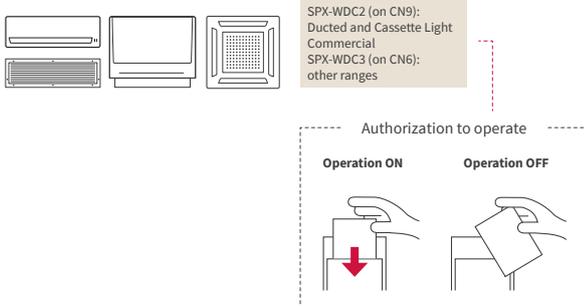
"1 for 1" KNX and Modbus gateways

+

Ref.: **AZAI6KNXHT2**

+

Ref.: **AZAI6WSCHT2**

Protocol **KNX**

Protocol **Modbus**

✓ Easy to install
✓ Two-way bidirectional control
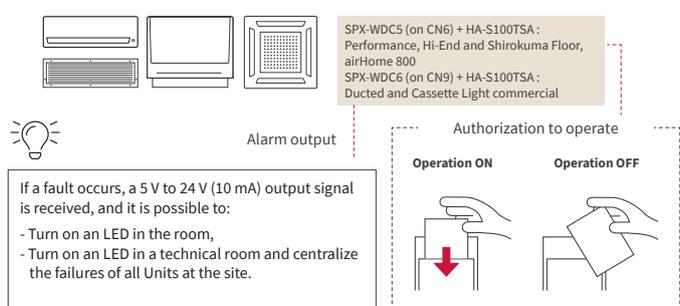✓ 1 gateway per indoor unit

External control solutions
for the residential range

ON/OFF control and fault reporting

ON/OFF control
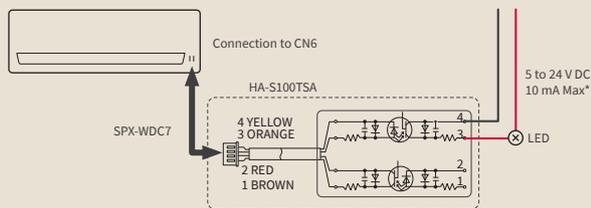**(Key Card application for small B&Bs)**

SPX-WDC2 (on CN9):
Ducted and Cassette Light
Commercial
SPX-WDC3 (on CN6):
other ranges

Authorization to operate

Operation ON   **Operation OFF**

ON/OFF control + alarm signal

SPX-WDC5 (on CN6) + HA-S100TSA :
Performance, Hi-End and Shirokuma Floor,
airHome 800
SPX-WDC6 (on CN9) + HA-S100TSA :
Ducted and Cassette Light commercial

Alarm output

If a fault occurs, a 5 V to 24 V (10 mA) output signal
is received, and it is possible to:
- Turn on an LED in the room,
- Turn on an LED in a technical room and centralize
  the failures of all Units at the site.

Authorization to operate

Operation ON   **Operation OFF**

Reducing consumption
Units work only when it is necessary
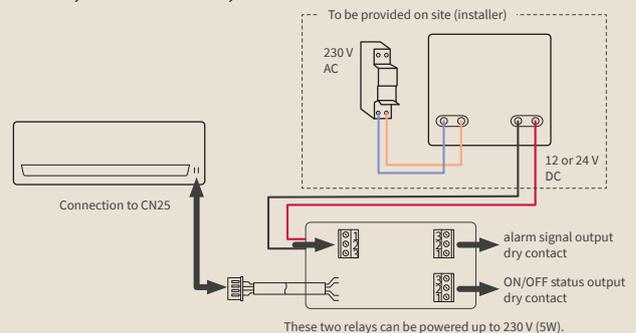
ON/OFF status or fault reporting

Fault reporting kit: SPX-WDC7 + HA-S100TSA
1 alarm signal output (5V to 24V signal - 10 mA max)
Compatible with Performance, Hi-End and Shirokuma
Floor

Connection to CN6

HA-S100TSA

SPX-WDC7

4 YELLOW
3 ORANGE
2 RED
1 BROWN

5 to 24 V DC
10 mA Max*

LED

*Warning: external power supply is mandatory

Fault reporting + operation status:
SPX-WDC8
Compatible airHome 600, airHome 800, Performance, wall
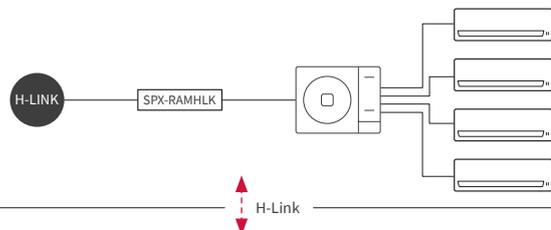Hi-End, airHome Floor, ducted and cassette units

To be provided on site (installer)

230 V
AC

12 or 24 V
DC

Connection to CN25

alarm signal output
dry contact

ON/OFF status output
dry contact

These two relays can be powered up to 230 V (5W).

From residential to commercial range: our H-Link solutions for the residential range

H-link Monosplit gateway: PSC-6RAD

H-LINK   PSC 6RAD
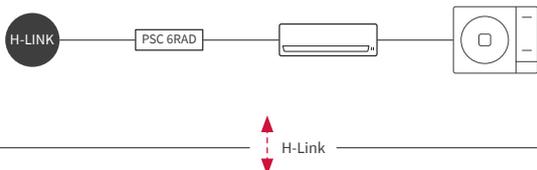
H-Link

H-link Multisplit gateway: SPX-RAMHLK

H-LINK   SPX-RAMHLK

H-Link

H-link range of Central controllers

airCloud Pro

airCloud Pro*   **CSNET Manager 2**   **CSNET Lite**   **Local central
controllers**   **BMS gateways**

* To work with airCloud Pro, there must be connected at least one VRF system in the installation with RAC units.

CONTROLS FOR RAC

Notes

The specifications in this catalog are subject subject to change without notice.

For precise and detailed information, please consult our technical manuals or your nearest HITACHI distributor.

Only the information contained in our technical manuals is authentic.

Note 1

The nominal capacities indicated for the units, wall-mounted, airHome 400, airHome 600, airHome 800, floor, ducted, cassette split units, multisplits. Utopia Prime, Micro VRF, Set Free Mini, air365 Max (Pro) are given for the following temperature conditions:

- COOLING MODE:
According to JIS standard: B8616-1984
Inside temperature: 27 °C DB / 19 °C WB
Outside temperature: 35 °C DB
Piping length: 5 m or 7.5 m

- HEATING MODE:
 Indoor temperature: 21 °C DB
 Outside temperature: 7 °C DB / 6 °C WB
 Piping length: 5 m or 7.5 m

Note 2

Please refer to technical manuals for sound pressure curves. They are measured in an anechoic chamber and possible reverberated sounds must be taken into account during installation. The values are given for a measurement 1- 1.5 m from the device, details are described in corresponding technical manuals.

Note 3

Piping conversion table:

Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
1/4	6,35	5/8	15,88	1″ 1/8	28,58
11/32	8,73	3/4	19,05	1″ 1/4	31,75
23/64	9,13	7/8	22,23	1″ 1/2	38,1
3/8	9,53	57/64	22,62	1″ 3/4	44,45
13/32	10,32	29/32	23,02	2″ 3/4	69,85
7/16	11,11	1″	25,4	5″ 1/2	139,7
1/2	12,7				

Note 4

- Instantaneous performance coefficients (EER and COP)
 Air/Air heat pump:

Energy efficiency class	EER (Cooling Mode)	COP (Heating Mode)
A	EER > 3,20	COP > 3,60
B	3,00 < EER ≤ 3,20	3,40 < COP ≤ 3,60
C	2,80 < EER ≤ 3,00	3,20 < COP ≤ 3,40
D	2,60 < EER ≤ 2,80	2,80 < COP ≤ 3,20
E	2,40 < EER ≤ 2,60	2,60 < COP ≤ 2,80
F	2,20 < EER ≤ 2,40	2,60 < COP ≤ 2,80
G	EER < 2,20	COP < 2,40

- Annual performance coefficients (SEER and SCOP)
 Air/Air heat pump < 12 kW:

Energy efficiency class	SEER (Cooling Mode)	SCOP (Heating Mode)
A+++	SEER ≥ 8,50	SCOP ≥ 5,10
A++	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10
A+	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60
A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00
B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40
C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10
D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80
E	3,10 ≤ SEER < 3,60	2,20 ≤ SCOP < 2,50
F	2,60 ≤ SEER < 3,10	1,90 ≤ SCOP < 2,20
G	SEER < 2,60	SCOP < 1,90

Note 5

All HITACHI air conditioners and heat pumps are manufactured in accordance with the European Community directives listed below:

- Council Directive 73 / 23 / EEC, dated 19/02/1973.

- Council Directive 89 / 336 / EEC, dated 03/05/1989.

- Council Directive 89 / 392 / EEC, of 14/06/1989.

Note 6

All HITACHI plants are ISO 9001 and ISO 14001 certified.

Note 7

- EUROVENT
 HITACHI AIR CONDITIONING EUROPE SAS participates in the Eurovent Certification Program for air conditioners and heat pumps. Certified models are listed in the Eurovent Directory (www.eurovent-certification.com or www.certiflash.com).

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Discover the meaning of our icons

The different icons are made to facilitate your choice through immediate visualization of the different technologies applied to each product. You can leave the back cover open while browsing, for quick comparison and to make your selection easier and faster.

airCloud Go
Compatibility with the airCloud Go APP

Motion (Human) Sensor
Product equipped with motion sensor for advanced functions

4 way swing
Distributes air in 4 directions for better comfort

Airzone compatibility
Product connectable with Airzone distribution plenums

Constant Power
Keeping the high heating performance in below zero temperatures

FrostWash
Cleaning feature of indoor heat exchanger

FrostWash 3.0
Advanced cleaning feature of indoor heat exchanger

AQtiv-Ion
Ionizer technology for cleaner and healthier indoor environment

Energy class
Efficiency parameter of the system

R32
Product using R32 refrigerant

Eurovent Certificate
Product featured within the Eurovent certification program

Keymark
Product featured within the HP Keymark certification program

New Product
Latest addition to the Hitachi portfolio

Design Award
Product won the international Red Dot Award: Product Design 2022

Design Award
Product won the international European Product Design Award™ in the "Home: Heating and Air Conditioning" category

air

Johnson Controls Hitachi Air Conditioning Europe SAS

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