

HITACHI

RAC Catalogue 2024/2025

Cooling & Heating

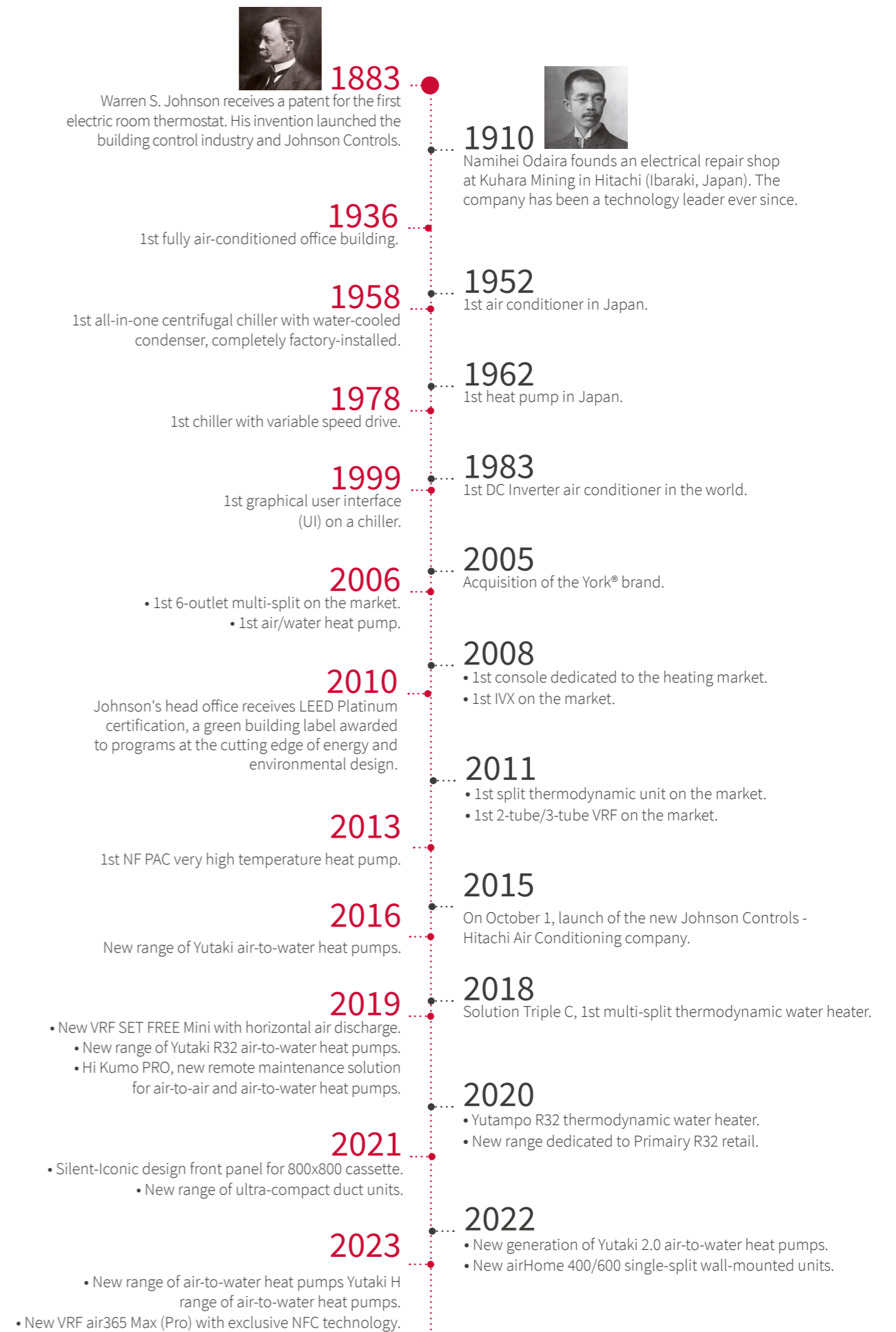


Hitachi Air Conditioning Solutions Cooling & Heating

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More than 130 years of innovation



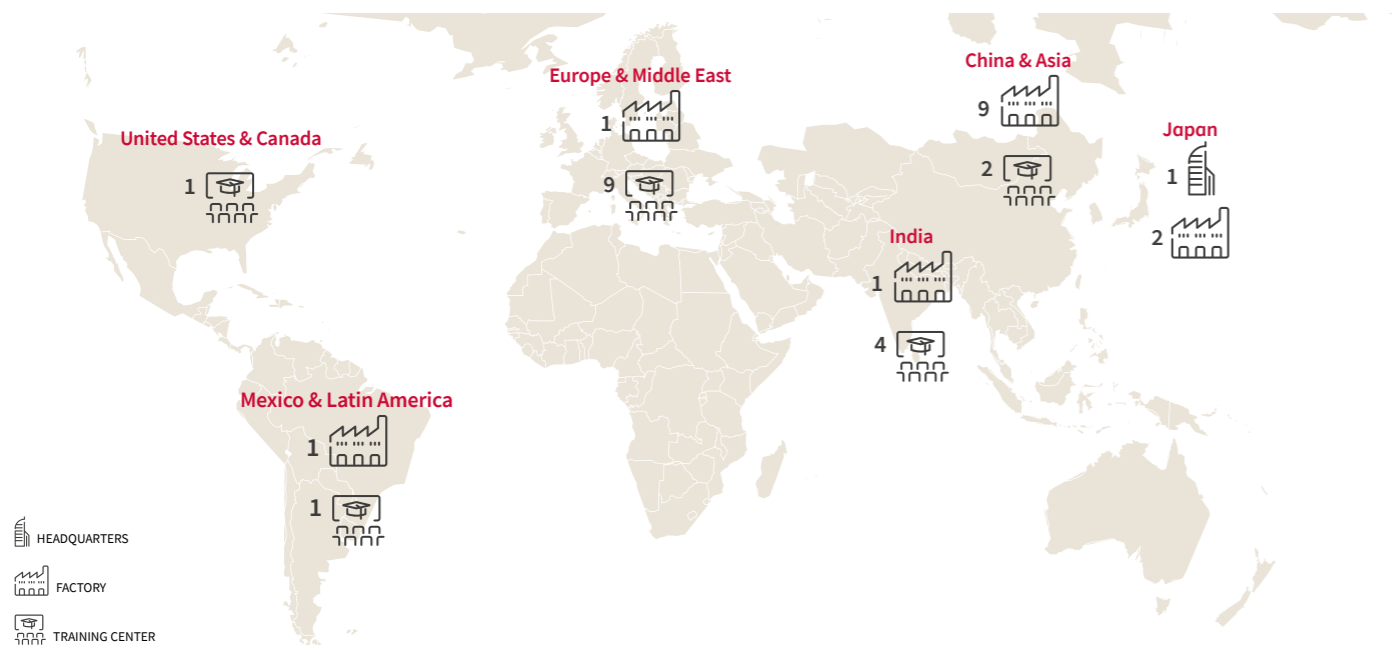
Johnson Controls-Hitachi Air Conditioning



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.



- 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.

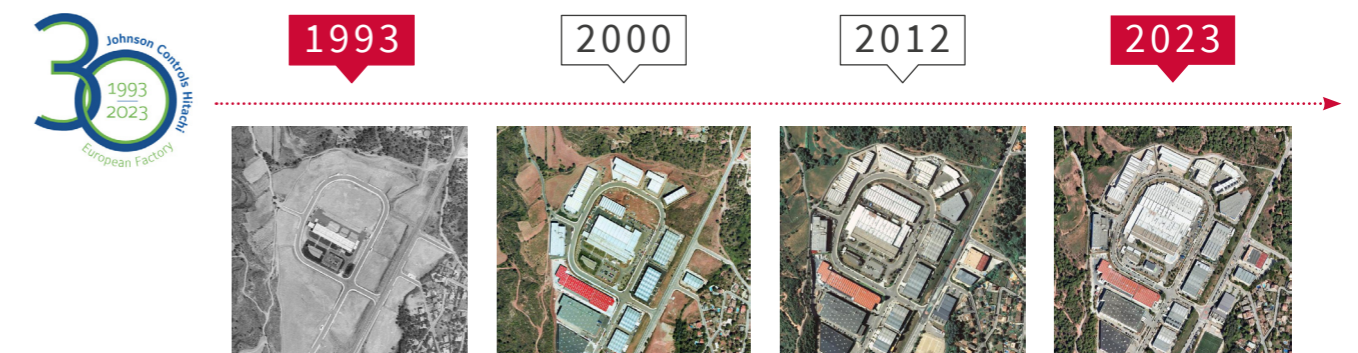


A factory committed to the environment...

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.



Hitachi Services

RESIDENTIAL



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.



airCloud Go demo mode

Show airCloud Go to your customers in demo mode.



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.



Hi-Parts

The key online tool for distributors:

- Exploded unit views
- Parts Order
- Warranty tracking



Selection Guide

Split wall ranges



	airHome 800 NEW	airHome 600	airHome 400
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	-	•	•

SPLIT WALL RANGES

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

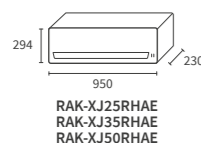
airHome 800

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

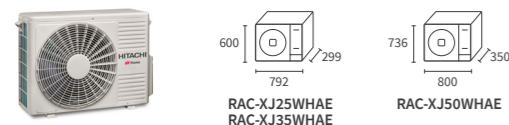


+ COMFORT DOWN TO -20° C

Indoor units

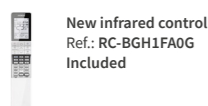


Outdoor unit



Compatible controls and accessories

Infrared wireless controller



Wired controller



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

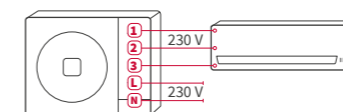
NEW

airHome 800

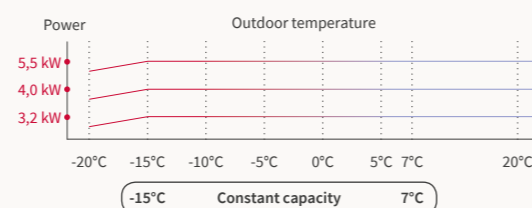
Model	Unit	2,5kW	3,5kW	5,0kW
Cooling Performance				
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)
Nominal cooling power input (min-max)	kW	0,481 (0,25 - 1,00)	0,814 (0,25 - 1,40)	1,429 (0,50 - 2,10)
EER	-	5,20	4,30	3,50
Energy class Cooling	-	A+++		A++
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		
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.



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



+ EFFICIENCY

Indoor unit

- FrostWash⁽¹⁾ 3.0 technology:** self-cleaning of Indoor unit heat exchanger.



- 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

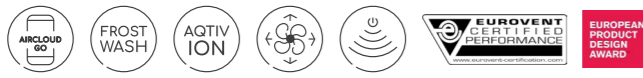
- Always with you with the airCloud Go app.
- Wi-fi as standard.
- Smart Geo Fence geolocation function.



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

airHome 600

2.5 kW to 7 kW, Mono and multisplit



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

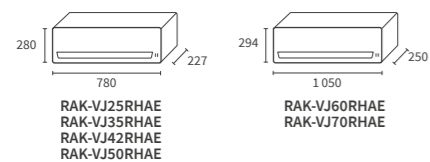
- **Motion sensor:** detects the presence or absence of people in the rooms and adjusts the operation of the air conditioner accordingly.
- **4 way Swing function:** Uniform air distribution throughout the room.

COMFORT AT HAND

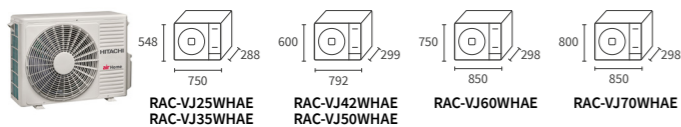
- Via the airCloud Go app.
- Wi-fi as standard.
- Smart Geo Fence geolocation function.



Indoor units

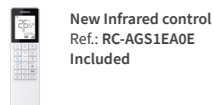


Outdoor unit



Compatible controls and accessories

Infrared wireless controller



Wired controller



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

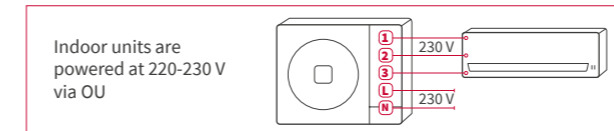
Virosense Z1 filter Ref.: SPX-VS21 Included

⁽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); Viabile 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).

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++			A++			
SCOP (average climate)	-	4,90			4,60			
Operating range	°C	-15°C /+ 21°C			-15°C /+ 24°C			
Indoor units								
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	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)	m ³ /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			12,5			
Controller	-	Infrared (Included)						
Outdoor unit								
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)	m ³ /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			3		30	
Min. piping length	m	20			30		30	
Max. piping length	m	10 / 10			20 / 20		20 / 20	
Max difference in height (OU above/ below)	m	10 / 10			20 / 20		20 / 20	
Refrigerant	-	R32						
Electrical data								
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			230V / 1Ph / 50Hz			

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



airHome 400

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



+ INDOOR AIR QUALITY

Virosense Z1 zinc pyrithione filter as standard.

99%
Of viruses
and bacteria
eliminated⁽¹⁾

+ PERFORMANCE

Performance constant over time

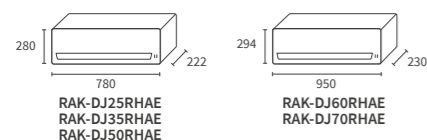
- **FrostWash⁽²⁾ technology:** self-cleaning of the exchanger.
- **Mold Guard Function:** The heat exchange coil is heated, after cooling operation, to prevent the formation of mold.

+ COMFORT AT HAND

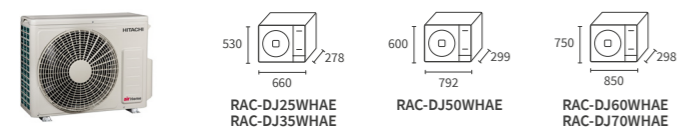
- Command wherever you are via airCloud Go APP.
- Wi-fi Included.
- Unique Smart Geo Fence geolocation function.



Indoor units

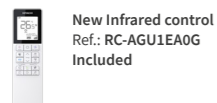


Outdoor unit



Compatible controls and accessories

Infrared wireless controller

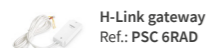


New Infrared control
Ref.: RC-AGU1EA0G
Included

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

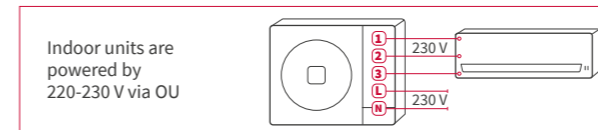
⁽¹⁾ Tests performed by Japan Textile Product Quality and Technology Center in accordance with ISO 18184:2019 and by Nissenken Quality Evaluation Center in accordance with JIS L1902:2015.

⁽²⁾ Tests performed by Kitasato Research Environmental Science (test No. 2020-0650).

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	3,31	2,70
Energy class Cooling	-	A++			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							
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	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	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			10,5		
Controller	-	Infrared (Included)					
Outdoor unit							
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		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		30
Min. piping length	m	3			3		3
Max. piping length	m	20			30		30
Max difference in height (OU above/ below)	m	10 / 10			20 / 20		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

RESIDENTIAL

PRE-SALE

Smart air, wherever you are



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.



INSTALLATION AND START-UP

Conforms to regulatory standards

Optional SPX-RAFGLS leak detector for Floor indoor unit.

Adaptability

Removable unit base.



POST-VENDITA

Hi-Parts

The key online tool for distributors:

- Exploded unit views
- Parts Order
- Warranty tracking

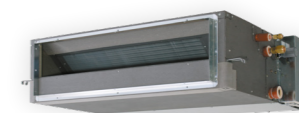


Selection Guide

Split Light Commercial ranges



IU: RAF-RXE
OU: RAC-FXE



IU: RAD-RPE / RAD-70PPD
OU: RAC-NPE / RAC-70NPD

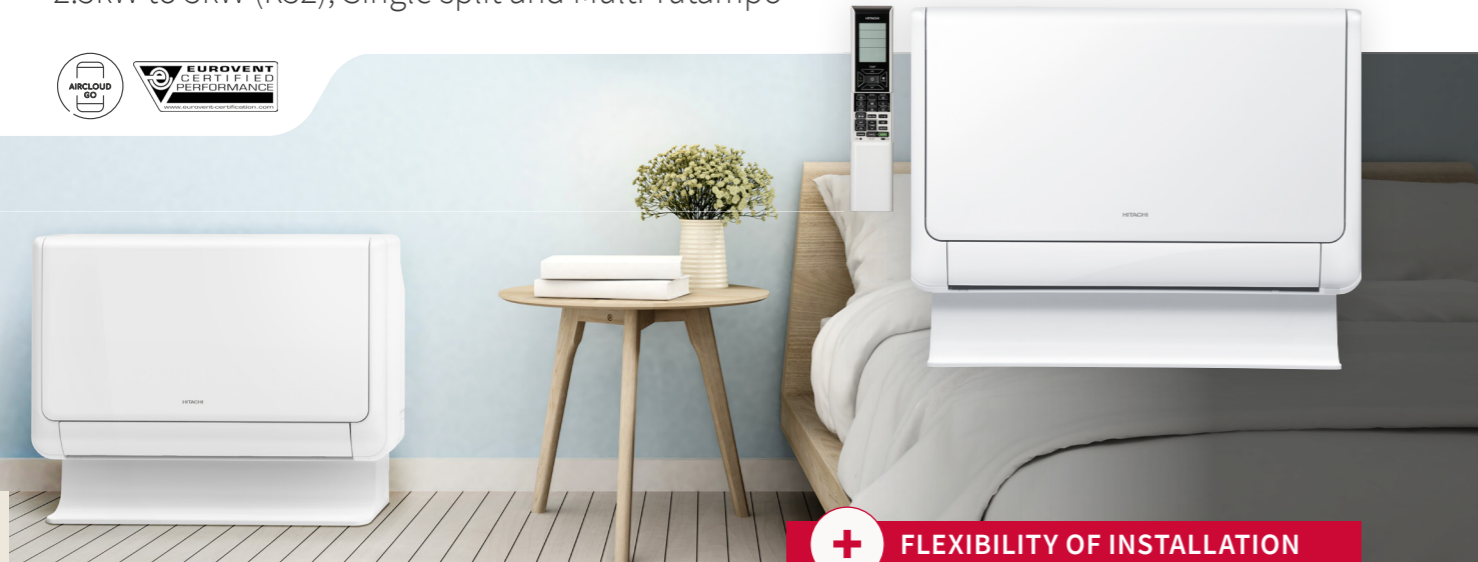


IU: RAI-RPE
OU: RAC-NPE

Type	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	-	•	-

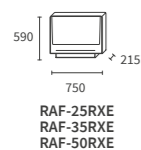
Floor units

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

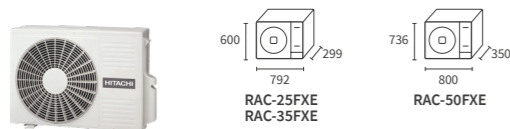


+ FLEXIBILITY OF INSTALLATION

Indoor unit



Outdoor unit



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 GRAD

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

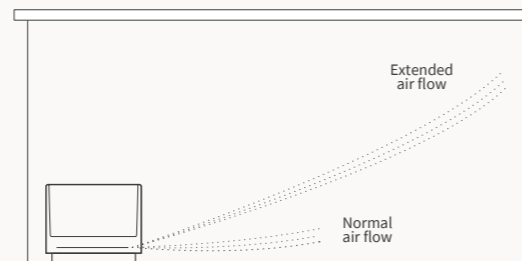
Fault report kit
Ref.: SPX-WDC7 + Ref.: HA-S100TSA



+ COMFORT

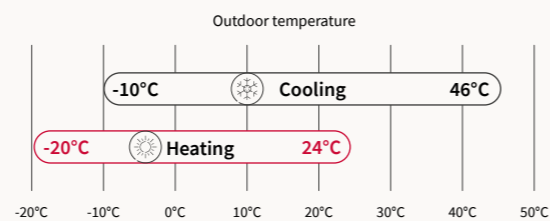
Extended airflow allows for greater indoor comfort:

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



+ COMFORT ALL YEAR ROUND

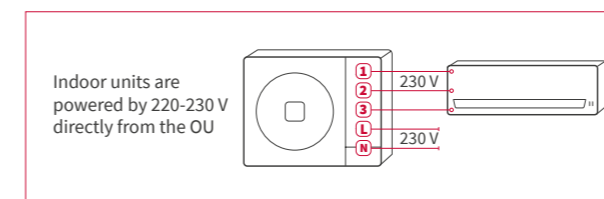
- Maintains nominal heating capacity at -7°C ext for size 25.



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				
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				
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		
Compressor	-	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		
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

Ducted units

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



+ IDEAL FOR NEW BUILDINGS

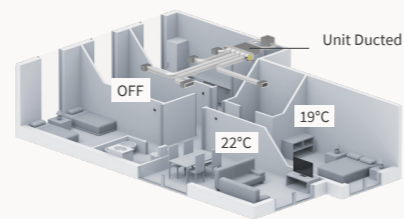
Ideal for new buildings

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

+ COMFORT

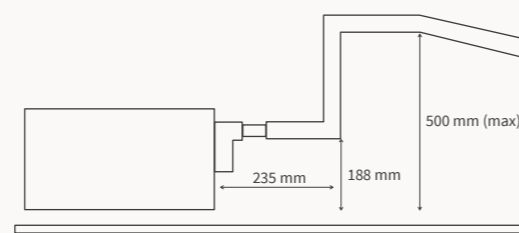
Flexibility of installation

Several environments can be controlled with a single Indoor unit.

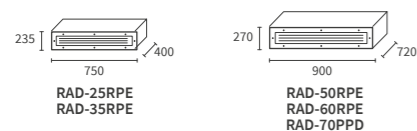


+ EASY INSTALLATION

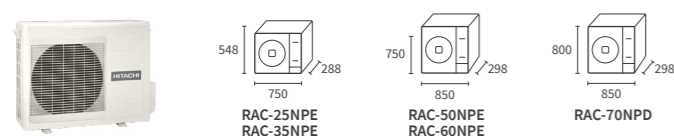
Condensate pump Included



Indoor units



Outdoor unit



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

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	6,20	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						
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	
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	
Dehumidification	l/h	-			2,8	
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						
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	
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"	
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 / -	
Max. height difference (OU above/below)	m	10 / 10			20 / 20	
Refrigerant	-	R32				
Electrical features						
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				

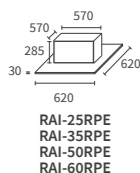
⁽¹⁾ Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Cassette units

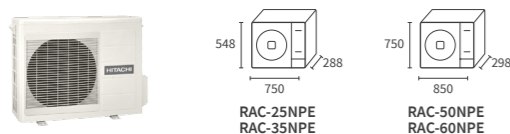
2.5kW to 6.0kW (R32), Single split and Multi Yutampo



Indoor units

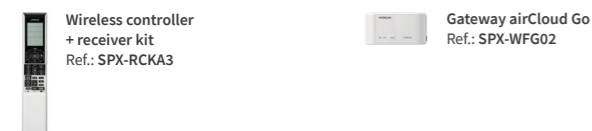


Outdoor unit

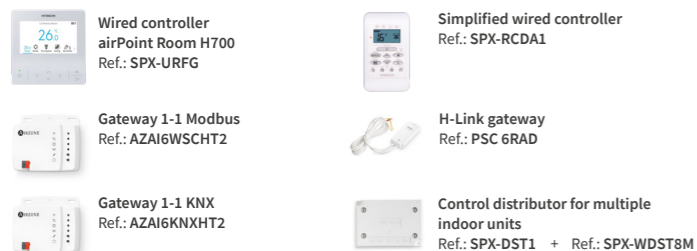


Compatible controls and accessories

Infrared wireless controller



Wired controllers + BMS gateways

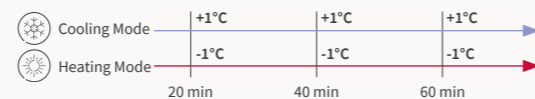


5 m extension cable for wired controller (max. 2 extension cables/controller)
Ref.: SPX-WKT5M

+ ENERGY SAVING

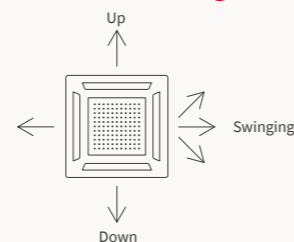
Motion sensor

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



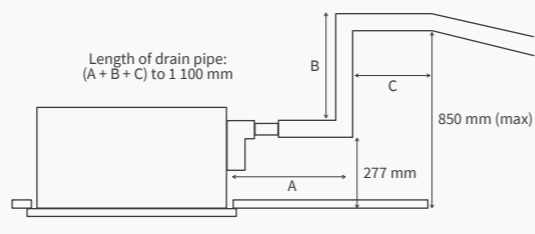
+ CONTROLLER

Individual louver setting



+ EASY INSTALLATION

Condensate drain pump included



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					
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)	m ³ /h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1,4	1,8	2,8	3,8
Dimensions (H x W x D)	mm	285 x 570 x 570			
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					
Sound pressure Cooling ⁽¹⁾	dB(A)	48		50	
Sound power Cooling	dB(A)	61		65	
Air flow rate (Cooling / Heating)	m ³ /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		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

RESIDENTIAL

PRE-SALE

Meet the needs of your project precisely

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

Connected solutions*



INSTALLATION AND START-UP

Control up to 13 Indoor units

- Centralized controller for up to 13 Indoor units:



- 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

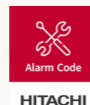
The key online tool for distributors:

- Exploded product views
- Parts ordering
- Warranty tracking



airCloud alarm code

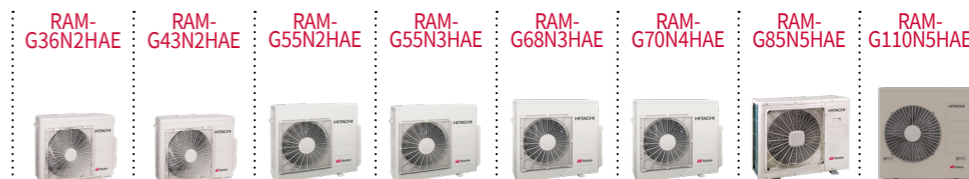
All fault codes and troubleshooting procedures with you, wherever you are simply!



▶ airCloud-alarmcode.hitachiaircon.com

Selection Guide

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 RAK-DJQHAE ; RAK-DJRHAE	airHome 600 RAK-VJQHAE ; RAK-VJRHAE	airHome 800 RAK-XJQHAE ; RAK-XJRHAE	airHome Floor RAF-XJQHAE	airHome Ducted low ESP Up to 70 Pa RAD-DJQHAE	airHome Ducted medium ESP Up to 150 Pa RAD-DJQHAE	airHome Cassette 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	•	•	-	-	-	•	-

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

airHome Multi Pro

3.6kW to 10.0kW (R32)



+ 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

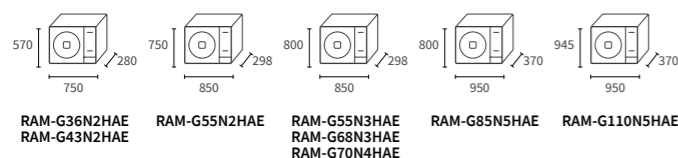
Wi-fi integrated, without the use of additional accessories (airHome 400/ 600/ 800).



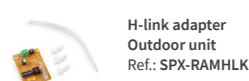
airHome Multi Pro

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 heating power 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		
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	61		50	63	52	56
Sound power	dB(A)	60		61		63		66	70
Air flow rate (Cooling/heating)	m ³ /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		
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							

Outdoor unit



Compatible controls and accessories Outdoor unit



Compatible controls and accessories Wall-mounted indoor units



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



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.

AIRHOME MULTI PRO

AIRHOME MULTI PRO

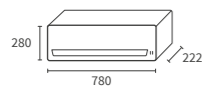
Wall-mounted unit

airHome 400

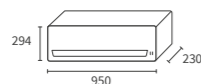
1.5kW to 7kW (R32), Mono and multisplit



Indoor units



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



RAK-DJ60RHAE
RAK-DJ70RHAE



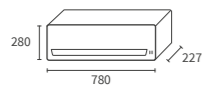
Model	Unit	RAK-DJ15QHAE	RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE	RAK-DJ60RHAE	RAK-DJ70RHAE
Nominal cooling capacity (min - max)	kW	1,50 (0,90 - 2,50)	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)	6,00 (1,75 - 6,80)	7,10 (1,75 - 7,50)
Nominal heating capacity (min - 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		280 x 780 x 222		294 x 950 x 230		294 x 950 x 230
Piping diameter (Liq / gas)	inches	1/4 - 3/8		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

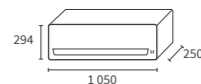
1.5kW to 7kW (R32), Mono and multisplit



Indoor units



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



RAK-VJ60RHAE
RAK-VJ70RHAE



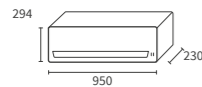
Model	Unit	RAK-VJ15QHAE	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE
Nominal cooling capacity (min - max)	kW	1,50 (0,90 - 2,50)	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	4,20 (1,70 - 5,00)	5,00 (1,90 - 5,20)	6,00 (1,90 - 6,80)	7,00 (1,90 - 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		280 x 780 x 227		294 x 1050 x 250		294 x 1050 x 250	
Piping diameter (Liq / gas)	inches	1/4 - 3/8		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



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)			

NEW



airHome Floor

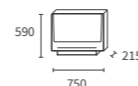
2.5kW to 5.0kW (R32), compatible with airHome Multi Pro only



NEW

+ FLEXIBILITY

Indoor units



RAF-XJ25QHAE
RAF-XJ35QHAE
RAF-XJ50QHAE



Floor installation on base (included)



Wall installation

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

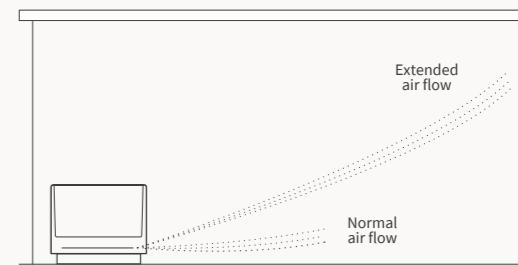
Accessory for EN378

R32 leak sensor
Ref.: SPX-RAFGLS-N

+ INSIDE COMFORT

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

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



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)	m ³ /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)

AIRHOME MULTIPRO

AIRHOME MULTIPRO

airHome Ducted

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



+ IDEAL FOR NEW CONSTRUCTIONS

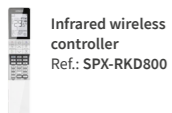
These units can be used for residential installations without the use of wall units.

Indoor units

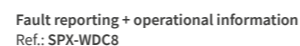


Compatible controls and accessories

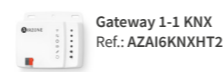
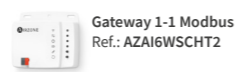
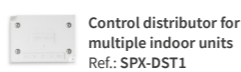
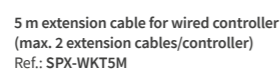
Infrared wireless controller



Other accessories



Wired controller and BMS



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 / 30 / 33 / NC / 37	30 / 34 / 38 / NC / 42		29 / 32 / 35 / 38 / 40		
Sound power	dB(A)	57			55	57	
Air flow rate (Cooling)	m ³ /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	
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).

airHome Cassette

2.5kW to 6.0kW (R32), compatible with airHome Multi Pro only



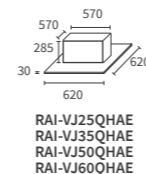
+ ENERGY SAVING

Motion sensor

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

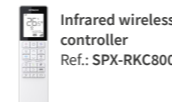


Indoor units

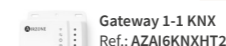
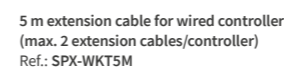


Compatible controls and accessories

Infrared wireless controller



Wired controller and BMS

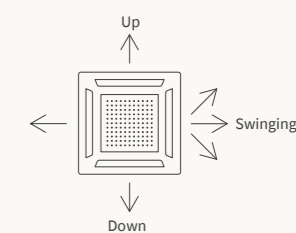


Indoor units	Unit	RAI-VJ25QHAE	RAI-VJ35QHAE	RAI-VJ50QHAE	RAI-VJ60QHAE
Nominal cooling capacity (min - max)	kW	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)
Nominal heating capacity (min - max)	kW	3,50 (0,90 - 5,00)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)
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)	m ³ /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)			

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

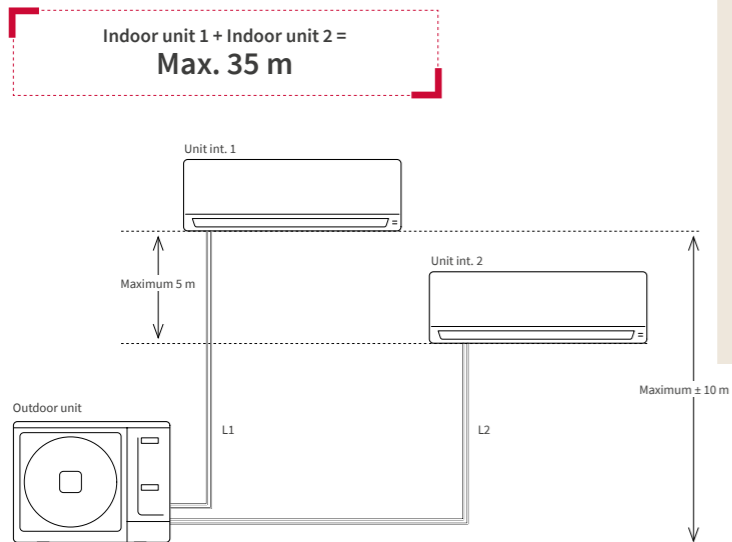
+ CONTROL

Individual louver setting



RAM-G36N2HAE - Installation

Piping length RAM-G36N2HAE:



Installation features of the outdoor unit RAM-G36N2HAE

- Pre-loaded for **35 m**.
- Always connect the largest Indoor unit to the lowest piping connection. No additional load is required.

Specific Installation requirements for units

- Max. length of pipeline between Indoor unit and outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

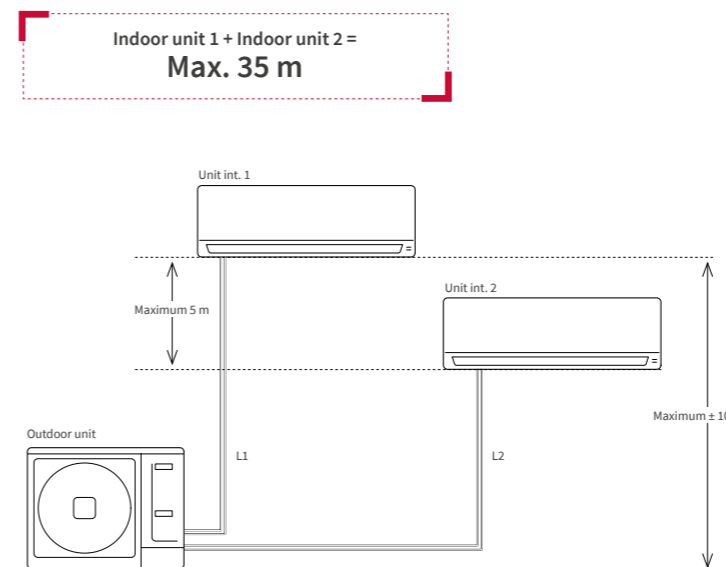
Combinations of Indoor units

RAM-G36N2HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.5 (1.50-1.70)	1.5	380 (300-480)	3.95	2.00 (1.50-2.20)	2.0	680 (500-970)	2.94
	1.8	1.8	2.0 (1.70-2.00)	1.8	485 (300-750)	3.71	2.50 (2.00-3.00)	2.5	730 (500-970)	3.42
	2.5	2.5	2.5 (1.70-2.80)	2.5	650 (300-880)	3.85	3.40 (2.00-4.00)	3.4	910 (500-1120)	3.74
	3.5	3.5	3.5 (1.70-3.90)	3.5	865 (300-1200)	4.05	4.30 (2.00-5.00)	4.3	1150 (500-1300)	3.74
2 Unit	3.0	1.5 + 1.5	1.50 + 1.50 (2.40-3.50)	3.0	730 (300-780)	4.11	2.0 + 2.0 (2.70-4.50)	4.0	890 (500-950)	4.49
	3.3	1.5 + 1.8	1.50 + 1.80 (2.40-3.80)	3.3	800 (300-1200)	4.13	2.0 + 2.4 (2.70-5.00)	4.4	900 (500-1020)	4.89
	4.0	1.5 + 2.5	1.4 + 2.25 (2.40-4.20)	3.6	1000 (300-1200)	3.60	1.6 + 2.8 (2.70-5.00)	4.4	1080 (500-1400)	4.07
	5.0	1.5 + 3.5	1.1 + 2.52 (2.40-4.20)	3.6	1100 (300-1200)	3.27	1.4 + 3.0 (2.70-5.00)	4.4	1300 (500-1400)	3.38
	3.6	1.8 + 1.8	1.80 + 1.80 (2.40-4.00)	3.6	1000 (300-1200)	3.60	2.2 + 2.2 (2.70-5.00)	4.4	1000 (500-1400)	4.40
	4.3	1.8 + 2.5	1.5 + 2.09 (2.40-4.20)	3.6	1100 (300-1200)	3.27	1.9 + 2.5 (2.70-5.00)	4.4	1250 (500-1400)	3.52
	5.0	2.5 + 2.5	1.80 + 1.80 (2.40-4.20)	3.6	1180 (300-1200)	3.05	2.0 + 2.2 (2.7-5.0)	4.4	1250 (500-1400)	3.52

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit. The total capacity in Cooling cannot be more than 5.0 kW

RAM-G43N2HAE - Installation

Piping lengths RAM-G43N2HAE:



Installation features of the outdoor unit RAM-G43N2HAE

- Pre-loaded for **35 m**.
- Always connect the larger Indoor unit to the lowest piping connection. No additional load is required.

Specific Installation requirements for units

- Max. length of pipeline between Indoor unit and outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

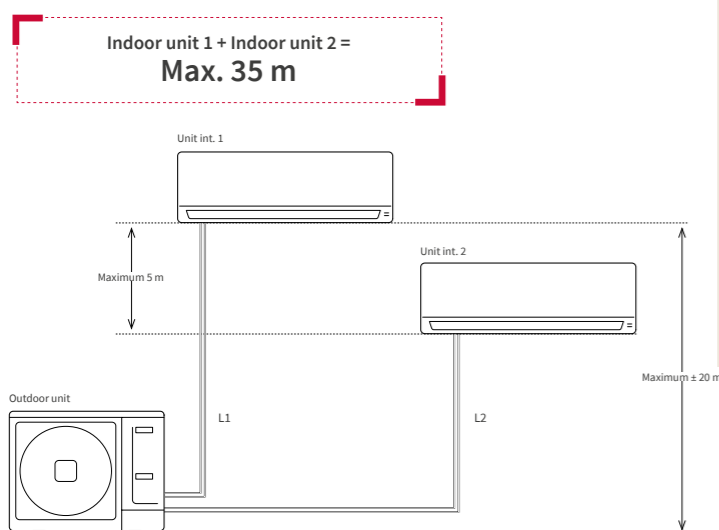
Combinations of Indoor units

RAM-G43N2HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.50 (1.50-1.70)	1.50	380 (300-480)	3.95	2.00 (1.50-2.20)	2.0	530 (500-970)	2.74
	1.8	1.8	1.80 (1.70-2.00)	1.80	485 (300-750)	3.71	2.50 (2.00-3.00)	2.5	750 (500-970)	3.33
	2.5	2.5	2.50 (1.70-2.80)	2.5	650 (300-880)	3.85	3.40 (2.00-4.00)	3.4	1050 (500-1120)	3.24
	3.5	3.5	3.50 (1.70-3.90)	3.5	865 (300-1150)	4.05	4.30 (2.00-5.20)	4.3	1285 (500-1300)	3.35
	4.2	4.2	4.20 (1.70-4.60)	4.2	880 (300-1150)	4.77	5.20 (2.00-5.50)	5.2	1290 (500-1300)	4.03
2 Unit	3.0	1.5 + 1.5	1.5 + 1.5 (2.40-3.50)	3.0	700 (300-780)	4.29	2.0 + 2.0 (2.70-4.50)	4.0	890 (500-950)	4.49
	3.3	1.5 + 1.8	1.5 + 1.8 (2.40-3.80)	3.3	800 (300-930)	4.13	2.0 + 2.5 (2.70-5.00)	4.5	940 (500-1020)	4.79
	4.0	1.5 + 2.5	1.5 + 2.5 (2.40-4.50)	4.0	1000 (300-1150)	4.00	1.9 + 3.3 (2.70-5.50)	5.2	1080 (500-1500)	4.81
	5.0	1.5 + 3.5	1.3 + 3.0 (2.40-5.50)	4.3	1100 (300-1300)	3.91	1.7 + 3.5 (2.70-5.50)	5.2	1200 (500-1500)	4.33
	5.7	1.5 + 4.2	1.1 + 3.2 (2.40-5.50)	4.3	1100 (300-1300)	3.91	1.4 + 3.8 (2.7-5.5)	5.2	1230 (500-1500)	4.23
	3.6	1.8 + 1.8	1.8 + 1.8 (2.40-4.00)	3.6	1000 (300-1050)	3.60	2.5 + 2.5 (2.70-5.5)	5.0	1130 (500-1500)	4.42
	4.3	1.8 + 2.5	1.8 + 2.5 (2.40-4.70)	4.3	1100 (300-1150)	3.91	2.2 + 3.0 (2.7-5.5)	5.2	1210 (500-1500)	4.30
	5.3	1.8 + 3.5	1.5 + 2.8 (2.40-5.50)	4.3	1150 (300-1300)	3.74	1.9 + 3.3 (2.7-5.5)	5.2	1250 (500-1500)	4.16
	6.0	1.8 + 4.2	1.3 + 3.0 (2.40-5.50)	4.3	1190 (300-1300)	3.61	1.7 + 3.5 (2.7-5.5)	5.2	1290 (500-1500)	4.03
	5.0	2.5 + 2.5	2.2 + 2.2 (2.40-5.50)	4.3	1260 (300-1300)	3.41	2.6 + 2.6 (2.7-5.5)	5.2	1250 (500-1500)	4.16
	6.0	2.5 + 3.5	1.8 + 2.5 (2.40-5.50)	4.3	1260 (300-1300)	3.41	2.3 + 2.9 (2.7-5.5)	5.2	1320 (500-1500)	3.94

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit. The total capacity in Cooling cannot be more than 6.0 kW

RAM-G55N2HAE - Installation

Piping lengths RAM-G55N2HAE:



Indoor unit 1 + Indoor unit 2 =
Max. 35 m

Installation Features of the outdoor Unit RAM-G55N2HAE

- Pre-loaded for **35 m**.
- Always connect the larger Indoor unit to the lowest piping connection. No additional load is required.

Specific Installation requirements for units

- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

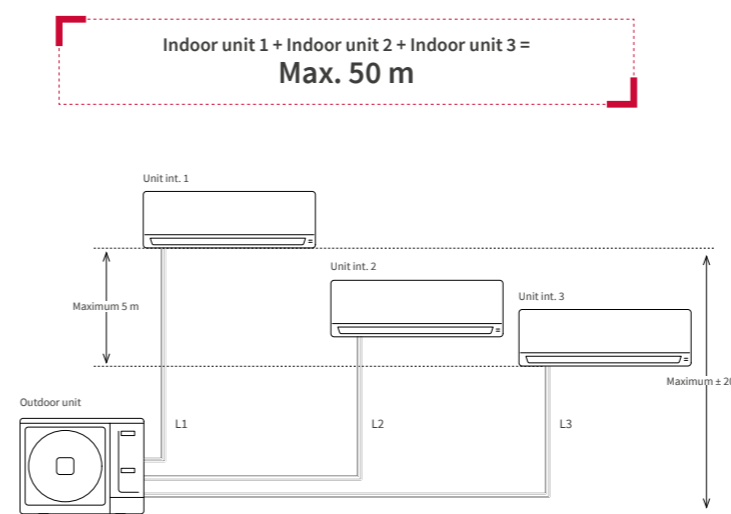
Combinations of Indoor units

RAM-G55N2HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.5 (1.50-1.70)	3.49	2.0 (1.50-2.20)	2.0	850 (350-850)	2.35		
	1.8	1.8	2.0 (1.70-2.00)	3.64	2.5 (2.00-3.00)	2.5	1000 (350-1100)	2.50		
	2.5	2.5	2.5 (1.70-2.80)	3.57	3.4 (2.00-4.00)	3.4	1350 (350-1600)	2.52		
	3.5	3.5	3.5 (1.70-3.90)	3.24	4.3 (2.00-5.20)	4.3	1680 (350-1820)	2.56		
	4.2	4.2	4.2 (1.70-4.60)	3.28	5.2 (2.00-6.50)	5.2	2010 (350-2010)	2.59		
	5.0	5.0	5.0 (1.70-5.50)	3.31	6.5 (2.00-7.20)	6.5	2010 (350-2010)	3.23		
	6.0	6.0	6.0 (1.70-6.60)	3.51	6.8 (2.00-7.20)	6.8	2010 (350-2010)	3.38		
	2 Unit	3.0	1.5 + 1.5	1.5 + 1.5 (2.40-3.50)	3.26	2.0 + 2.0 (2.70-4.50)	4.0	1734 (350-1380)	2.31	
3.3		1.5 + 1.8	1.5 + 1.8 (2.40-3.80)	3.30	2.0 + 2.5 (2.70-5.00)	4.5	1380 (350-1870)	3.26		
4.0		1.5 + 2.5	1.5 + 2.5 (2.40-4.50)	3.31	2.0 + 3.4 (2.70-5.90)	5.4	1630 (350-2010)	3.31		
5.0		1.5 + 3.5	1.5 + 3.5 (2.40-5.50)	3.29	2.0 + 4.3 (2.70-6.80)	6.3	1723 (350-2010)	3.66		
5.7		1.5 + 4.2	1.4 + 4.1 (2.40-6.60)	3.42	1.9 + 4.9 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
6.5		1.5 + 5.0	1.3 + 4.2 (2.40-6.60)	3.42	1.6 + 5.2 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
7.5		1.5 + 6.0	1.1 + 4.4 (2.40-6.60)	3.42	1.4 + 5.4 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
3.6		1.8 + 1.8	1.8 + 1.8 (2.40-4.00)	3.50	2.5 + 2.5 (2.70-6.90)	5.0	1690 (350-1550)	2.96		
4.3		1.8 + 2.5	1.8 + 2.5 (2.40-4.70)	3.28	2.5 + 3.4 (2.70-7.20)	5.9	1780 (350-1920)	3.31		
5.3		1.8 + 3.5	1.8 + 3.5 (2.40-5.80)	3.31	2.5 + 4.3 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
6.0		1.8 + 4.2	1.7 + 3.9 (2.40-5.80)	3.37	2.2 + 4.6 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
6.8		1.8 + 5.0	1.5 + 4.0 (2.40-6.60)	3.37	1.9 + 4.9 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
7.8		1.8 + 6.0	1.3 + 4.2 (2.40-8.50)	3.37	1.7 + 5.1 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
5.0		2.5 + 2.5	2.5 + 2.5 (2.40-5.50)	3.29	3.4 + 3.4 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
6.0		2.5 + 3.5	2.3 + 3.2 (2.40-6.60)	3.37	3.0 + 3.8 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
6.7		2.5 + 4.2	2.1 + 3.4 (2.40-6.60)	3.37	2.7 + 4.1 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
7.5		2.5 + 5.0	1.8 + 3.7 (2.40-6.60)	3.37	2.3 + 4.5 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
8.5		2.5 + 6.0	1.6 + 3.9 (2.40-6.60)	3.37	2.1 + 4.7 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
7.0		3.5 + 3.5	2.8 + 2.8 (2.40-6.60)	3.37	3.4 + 3.4 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
7.7		3.5 + 4.2	2.5 + 3.0 (2.40-6.60)	3.37	3.1 + 3.7 (2.70-7.20)	6.8	1820 (350-2010)	3.74		
8.5	3.5 + 5.0	2.3 + 3.2 (2.40-6.60)	3.37	2.7 + 4.1 (2.70-7.20)	6.8	1820 (350-2010)	3.74			
8.4	4.2 + 4.2	2.8 + 2.8 (2.40-6.60)	3.37	3.4 + 3.4 (2.70-7.20)	6.8	1820 (350-2010)	3.74			

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit. The total capacity in Cooling cannot be more than 8.5 kW

RAM-G55N3HAE - Installation

Piping lengths RAM-G55N3HAE:



Indoor unit 1 + Indoor unit 2 + Indoor unit 3 =
Max. 50 m

Installation Specifications of the outdoor Unit RAM-G55N3HAE

- Pre-loaded for **35 m**.
- Charge additional 20 g/m of refrigerant for piping lengths above **35 m**.
- Always connect the larger Indoor unit to the lowest piping connection.

Specific Installation requirements for units

- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

Combinations of Indoor units

RAM-G55N3HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.5 (1.50-1.70)	3.49	2.0 (1.50-2.20)	2.0	850 (350-850)	2.35		
	1.8	1.8	2.0 (1.70-2.00)	3.64	2.5 (2.00-3.00)	2.5	1000 (350-1100)	2.50		
	2.5	2.5	2.5 (1.70-2.80)	3.57	3.4 (2.00-4.00)	3.4	1350 (350-1600)	2.52		
	3.5	3.5	3.5 (1.70-3.90)	3.24	4.3 (2.00-5.20)	4.3	1680 (350-1820)	2.56		
	4.2	4.2	4.2 (1.70-4.60)	3.28	5.2 (2.00-6.50)	5.2	2010 (350-2010)	2.59		
	5.0	5.0	5.0 (1.70-5.50)	3.31	6.5 (2.00-7.20)	6.5	2010 (350-2010)	3.23		
	6.0	6.0	6.0 (1.70-6.60)	3.51	6.8 (2.00-7.20)	6.8	2010 (350-2010)	3.38		
	2 Unit	3.0	1.5 + 1.5	1.5 + 1.5 (2.40-3.50)	3.45	2.0 + 2.0 (2.70-4.50)	4.0	1030 (500-1140)	3.88	
3.3		1.5 + 1.8	1.5 + 1.8 (2.40-3.80)	3.47	2.0 + 2.5 (2.70-5.00)	4.5	1180 (500-1416)	3.81		
4.0		1.5 + 2.5	1.5 + 2.5 (2.40-4.50)	3.25	2.0 + 3.4 (2.70-5.90)	5.4	1430 (500-1584)	3.78		
5.0		1.5 + 3.5	1.5 + 3.5 (2.40-5.50)	3.45	2.0 + 4.3 (2.70-6.80)	6.3	1670 (500-1860)	3.77		
5.7		1.5 + 4.2	1.4 + 4.1 (2.40-7.00)	3.48	1.9 + 4.9 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
6.5		1.5 + 5.0	1.3 + 4.2 (2.40-6.60)	3.31	1.6 + 5.2 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
7.5		1.5 + 6.0	1.1 + 4.4 (2.40-6.60)	3.31	1.4 + 5.4 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
3.6		1.8 + 1.8	1.8 + 1.8 (2.40-4.00)	3.53	2.5 + 2.5 (2.70-6.90)	5.0	1300 (500-1710)	3.85		
4.3		1.8 + 2.5	1.8 + 2.5 (2.40-4.70)	3.58	2.5 + 3.4 (2.70-7.20)	5.9	1530 (500-1990)	3.86		
5.3		1.8 + 3.5	1.8 + 3.5 (2.40-5.80)	4.08	2.5 + 4.3 (2.70-7.20)	6.8	1800 (500-2010)	3.78		
6.0		1.8 + 4.2	1.7 + 3.9 (2.40-5.80)	3.40	2.2 + 4.6 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
6.8		1.8 + 5.0	1.5 + 4.0 (2.40-6.60)	3.31	1.9 + 4.9 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
7.8		1.8 + 6.0	1.3 + 4.2 (2.40-6.60)	3.31	1.7 + 5.1 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
5.0		2.5 + 2.5	2.5 + 2.5 (2.40-5.50)	3.38	3.4 + 3.4 (2.70-7.20)	6.8	1800 (500-2010)	3.78		
6.0		2.5 + 3.5	2.3 + 3.2 (2.40-6.60)	3.35	3.0 + 3.8 (2.70-7.20)	6.8	1800 (500-2010)	3.78		
6.7		2.5 + 4.2	2.1 + 3.4 (2.40-6.60)	3.35	2.7 + 4.1 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
7.5		2.5 + 5.0	1.8 + 3.7 (2.40-6.60)	3.42	2.3 + 4.5 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
8.5		2.5 + 6.0	1.6 + 3.9 (2.40-6.60)	3.31	2.1 + 4.7 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
7.0		3.5 + 3.5	2.8 + 2.8 (2.40-6.60)	3.31	3.4 + 3.4 (2.70-7.20)	6.8	1800 (500-2010)	3.78		
7.7		3.5 + 4.2	2.5 + 3.0 (2.40-6.60)	3.31	3.1 + 3.7 (2.70-7.20)	6.8	1820 (500-2010)	3.74		
8.5	3.5 + 5.0	2.3 + 3.2 (2.40-6.60)	3.31	2.7 + 4.1 (2.70-7.20)	6.8	1820 (500-2010)	3.74			
8.4	4.2 + 4.2	2.8 + 2.8 (2.40-6.60)	3.31	3.4 + 3.4 (2.70-7.20)	6.8	1820 (500-2010)	3.74			

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit. The total capacity in Cooling cannot be more than 8.8 kW

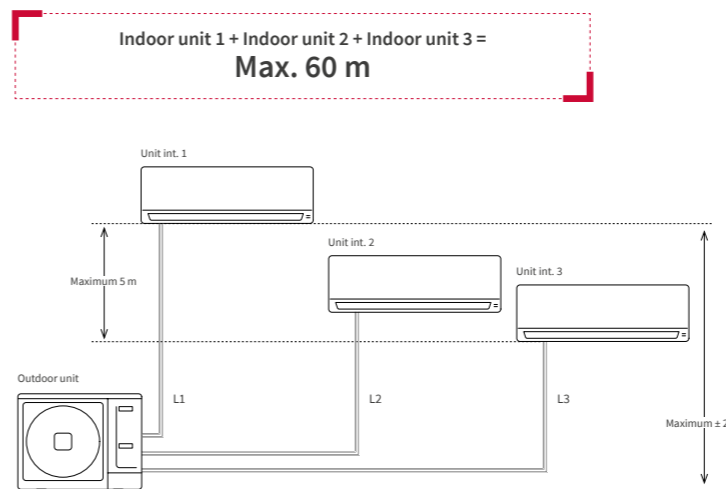
Combinations of Indoor units

RAM-G55N3HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	COP	
4.5	1.5+1.5+1.5	1.5+1.5+1.5 (2.70-5.0)	4.5	1400 (460-1680)	3.21	2.0+2.0+2.0 (2.90-6.50)	6.0	1540 (520-1848)	3.90	
4.8	1.5+1.5+1.8	1.5+1.5+1.8 (2.70-5.30)	4.8	1480 (460-1660)	3.24	2.0+2.0+2.5 (2.90-7.00)	6.5	1800 (520-2010)	3.61	
5.5	1.5+1.5+2.5	1.5+1.5+2.5 (2.70-6.0)	5.5	1660 (460-1660)	3.31	1.8+1.8+3.1 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
6.5	1.5+1.5+3.5	1.3+1.3+3.0 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.6+1.6+3.5 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
7.2	1.5+1.5+4.2	1.1+1.1+3.2 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.5+1.5+3.8 (2.90-7.20)	6.8	1800 (520-1848)	3.78	
8.0	1.5+1.5+5.0	1.0+1.0+3.4 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.3+1.3+4.2 (2.90-7.20)	6.8	1930 (520-1848)	3.52	
5.1	1.5+1.8+1.8	1.5+1.8+1.8 (2.70-5.60)	5.1	1500 (460-1660)	3.40	1.9+2.4+2.4 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
5.8	1.5+1.8+2.5	1.4+1.7+2.4 (2.70-6.30)	5.5	1590 (460-1660)	3.46	1.7+2.2+2.9 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
6.8	1.5+1.8+3.5	1.2+1.5+2.8 (2.70-6.60)	5.5	1680 (460-1660)	3.27	1.5+1.9+3.3 (2.90-7.20)	6.8	1800 (520-1848)	3.78	
7.5	1.5+1.8+4.2	1.1+1.3+3.1 (2.40-6.60)	5.5	1800 (460-1660)	3.06	1.4+1.8+3.6 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
8.3	1.5+1.8+5.0	1.0+1.2+3.3 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.2+1.5+4.0 (2.90-7.20)	6.8	1820 (520-2010)	3.74	
6.5	1.5+2.5+2.5	1.3+2.1+2.1 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.5+2.6+2.6 (2.90-7.20)	6.8	1800 (520-1848)	3.78	
7.5	1.5+2.5+3.5	1.1+1.8+2.6 (2.40-6.60)	5.5	1660 (460-1660)	3.31	1.4+2.4+3.0 (2.90-7.20)	6.8	1800 (520-1848)	3.78	
8.2	1.5+2.5+4.2	1.0+1.7+2.8 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.3+2.2+3.3 (2.90-7.20)	6.8	1930 (520-1848)	3.52	
8.5	1.5+3.5+3.5	1.0+2.3+2.3 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.3+2.8+2.8 (2.90-7.20)	6.8	1930 (520-2010)	3.52	
5.4	1.8+1.8+1.8	1.8+1.8+1.8 (2.70-5.90)	5.4	1500 (460-1660)	3.60	2.3+2.3+2.3 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
6.1	1.8+1.8+2.5	1.6+1.6+2.3 (2.70-6.60)	5.5	1610 (460-1660)	3.42	2.0+2.0+2.8 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
7.1	1.8+1.8+3.5	1.4+1.4+2.7 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.8+1.8+3.1 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
7.8	1.8+1.8+4.2	1.3+1.3+3.0 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.7+1.7+3.5 (2.90-7.20)	6.8	1820 (520-2010)	3.74	
8.6	1.8+1.8+5.0	1.2+1.2+3.2 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.5+1.5+3.8 (2.90-7.20)	6.8	1930 (520-2010)	3.52	
6.8	1.8+2.5+2.5	1.5+2.0+2.0 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.8+2.5+2.5 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
7.8	1.8+2.5+3.5	1.3+1.8+2.5 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.7+2.3+2.9 (2.90-7.20)	6.8	1820 (520-2010)	3.74	
8.5	1.8+2.5+4.2	1.2+1.6+2.7 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.5+2.1+3.2 (2.90-7.20)	6.8	1820 (520-2010)	3.74	
8.8	1.8+3.5+3.5	1.1+2.2+2.2 (2.70-6.60)	5.5	1660 (460-1660)	3.31	1.5+2.1+3.2 (2.90-7.20)	6.8	1820 (520-2010)	3.74	
7.5	2.5+2.5+2.5	1.8+1.8+1.8 (2.40-6.60)	5.5	1660 (460-1660)	3.31	2.3+2.3+2.3 (2.90-7.20)	6.8	1800 (520-2010)	3.78	
8.5	2.5+2.5+3.5	1.6+1.6+2.3 (2.70-6.60)	5.5	1660 (460-1660)	3.31	2.1+2.1+2.6 (2.90-7.20)	6.8	1820 (520-2010)	3.74	

The total capacity in Cooling cannot be more than 8.8 kW

RAM-G68N3HAE - Installation

Refrigerated lengths RAM-G68N3HAE:



Installation Specifications of the outdoor Unit RAM-G68N3HAE

- Pre-loaded for **30 m**.
- Charge additional 20 g/m of refrigerant for piping lengths above **30 m**.
- Always connect the larger Indoor unit to the lowest piping connection.

Specific Installation requirements for Air/Air Handling Units.

- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

Combinations of Indoor units

RAM-G68N3HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	COP	
1 Unit*	1.5	1.5	1.5 (1.50-1.70)	1.5	460 (460-500)	3.26	2.0 (1.50-2.20)	2.0	550 (430-850)	3.64
	1.8	1.8	2.0 (1.70-2.00)	1.8	495 (460-520)	3.64	2.5 (2.00-3.00)	2.5	680 (430-1130)	3.68
	2.5	2.5	2.5 (1.70-2.80)	2.5	700 (460-720)	3.57	3.4 (2.00-4.00)	3.4	1070 (430-1480)	3.18
	3.5	3.5	3.5 (1.70-3.90)	3.5	1030 (460-1130)	3.40	4.3 (2.00-5.20)	4.3	1420 (430-1950)	3.03
	4.2	4.2	4.2 (1.70-4.60)	4.2	1295 (460-1800)	3.24	5.2 (2.00-6.50)	5.2	1510 (430-2530)	3.44
	5.0	5.0	5.0 (1.70-5.50)	5.0	1480 (460-1800)	3.38	6.5 (2.00-7.30)	6.5	2010 (430-2530)	3.23
	6.0	6.0	6.0 (1.70-6.60)	6.0	1550 (460-2290)	3.87	7.5 (2.00-8.20)	7.5	2010 (430-2860)	3.73
	3.0	1.5+1.5	1.5+1.5 (2.40-3.50)	3.0	908 (460-980)	3.31	2.0+2.0 (2.70-4.50)	4.0	1061 (430-1100)	3.77
	3.3	1.5+1.8	1.5+1.8 (2.40-3.80)	3.3	991 (460-1000)	3.33	2.0+2.5 (2.70-5.00)	4.5	1192 (430-1300)	3.78
	4.0	1.5+2.5	1.5+2.5 (2.40-4.50)	4.0	1283 (460-1300)	3.12	2.0+3.4 (2.70-5.90)	5.4	1444 (430-1780)	3.74
	5.0	1.5+3.5	1.5+3.5 (2.40-5.50)	5.0	1513 (460-1450)	3.31	2.0+4.3 (2.70-6.80)	6.3	1687 (430-2010)	3.74
	5.7	1.5+4.2	1.5+4.2 (2.40-7.00)	5.7	1648 (460-2380)	3.46	2.0+5.2 (2.7-8.0)	7.2	1838 (430-3120)	3.92
6.5	1.5+5	1.5+5.0 (2.40-7.00)	6.5	1732 (460-2380)	3.75	2.0+6.5 (2.70-9.00)	8.5	2121 (430-3120)	4.01	
7.5	1.5+6	1.4+5.4 (2.40-7.00)	6.8	1826 (460-2580)	3.72	1.8+6.7 (2.7-9.50)	8.5	2172 (430-3120)	3.91	
3.6	1.8+1.8	1.8+1.8 (2.40-4.00)	3.6	1064 (460-1020)	3.38	2.5+2.5 (2.70-6.90)	5.0	1313 (430-2750)	3.81	
4.3	1.8+2.5	1.8+2.5 (2.40-4.70)	4.3	1252 (460-1360)	3.43	2.5+3.4 (2.7-7.7)	5.9	1747 (430-3000)	3.38	
5.3	1.8+3.5	1.8+3.5 (2.40-5.80)	5.3	1356 (460-1950)	3.91	2.5+4.3 (2.7-8.5)	6.8	1818 (430-3120)	3.74	
6.0	1.8+4.2	1.8+4.2 (2.40-5.80)	6.0	1690 (460-2820)	3.55	2.5+5.2 (2.7-9.50)	7.7	1869 (430-3120)	4.12	
6.8	1.8+5	1.8+5.0 (2.40-7.50)	6.8	1732 (460-2820)	3.93	2.4+6.1 (2.7-9.50)	8.5	2121 (430-3120)	4.01	
7.8	1.8+6	1.6+5.2 (2.40-8.00)	6.8	1732 (460-2960)	3.93	2.1+6.4 (2.7-9.50)	8.5	2172 (450-3120)	3.91	
5.0	2.5+2.5	2.5+2.5 (2.40-5.50)	5.0	1544 (460-1720)	3.24	3.4+3.4 (2.7-8.5)	6.8	1818 (430-3120)	3.74	
6.0	2.5+3.5	2.5+3.5 (2.40-6.60)	6.0	1711 (460-2380)	3.51	3.4+4.3 (2.7-9.2)	7.7	1949 (430-3120)	3.95	
6.7	2.5+4.2	2.5+4.2 (2.40-6.60)	6.7	1711 (460-2960)	3.92	3.4+5.1 (2.7-9.2)	8.5	1949 (430-3120)	4.36	
7.5	2.5+5	2.3+4.5 (2.40-7.00)	6.8	1680 (460-2960)	4.05	2.9+5.6 (2.7-9.50)	8.5	2121 (480-3120)	4.01	
8.5	2.5+6	2.0+4.8 (2.40-8.00)	6.8	1732 (460-2960)	3.93	2.7+5.8 (2.7-9.50)	8.5	2172 (500-3120)	3.91	
7.0	3.5+3.5	3.4+3.4 (2.40-7.70)	6.8	1732 (460-2940)	3.93	4.3+4.3 (2.7-9.50)	8.5	1949 (450-3120)	4.36	
7.7	3.5+4.2	3.1+3.7 (2.40-7.70)	6.8	1732 (460-2890)	3.93	3.8+4.7 (2.7-9.50)	8.5	1949 (450-3120)	4.36	
8.5	3.5+5	2.8+4.0 (2.40-8.00)	6.8	1732 (460-2890)	3.93	3.4+5.1 (2.7-9.50)	8.5	2121 (500-3120)	4.01	
9.5	3.5+6	2.5+4.3 (2.40-8.00)	6.8	1805 (460-2960)	3.77	3.1+5.4 (2.7-9.50)	8.5	2172 (500-3120)	3.91	
8.4	4.2+4.2	3.4+3.4 (2.40-8.00)	6.8	1805 (460-2960)	3.77	4.3+4.3 (2.7-9.50)	6.8	2121 (450-3120)	4.01	
9.2	4.2+5	3.1+3.7 (2.40-8.00)	6.8	2067 (460-2960)	3.29	3.8+4.7 (2.7-9.50)	7.7	2273 (500-3120)	3.74	
10.2	4.2+6	2.8+4.0 (2.40-8.00)	6.8	2067 (460-2960)	3.29	3.4+5.1 (2.7-9.50)	8.5	2273 (500-3120)	3.74	
10.0	5+5	3.4+3.4 (2.40-8.20)	6.8	2067 (460-2960)	3.29	4.3+4.3 (2.7-9.50)	8.5	2273 (500-3120)	3.74	
11.0	5+6	3.2+3.9 (2.40-8.20)	6.8	2067 (460-2960)	3.29	4.0+4.5 (2.7-9.50)	8.5	2273 (500-3120)	3.74	

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit.

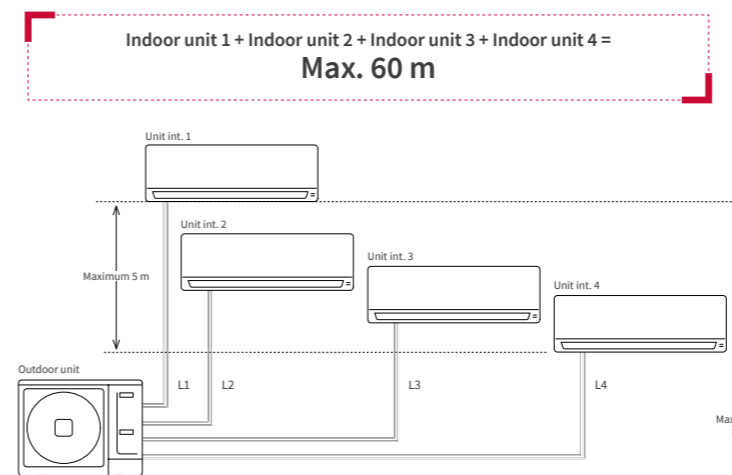
Combinations of Indoor units

RAM-G68N3HAE	COOLING MODE				HEATING MODE				COP
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)		
7.5	1.5+2.5+3.5	1.4+2.3+3.2 (2.40-7.00)	6.8	1805 (420-2890)	3.77	1.8+3.0+3.8 (2.7-9.50)	8.5	2030.1 (430-2600)	4.19
8.2	1.5+2.5+4.2	1.2+2.1+3.5 (2.70-8.00)	6.8	1857 (420-2960)	3.66	1.6+2.7+4.2 (2.70-11.0)	8.5	1949.3 (430-2600)	4.36
9.0	1.5+2.5+5.0	1.1+1.9+3.8 (2.70-8.00)	6.8	1888 (420-2960)	3.60	1.4+2.4+4.6 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
10.0	1.5+2.5+6.0	1.0+1.7+4.1 (2.70-8.00)	6.8	1930 (420-2960)	3.52	1.3+2.2+4.9 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
8.5	1.5+3.5+3.5	1.2+2.8+2.8 (2.70-8.00)	6.8	1805 (420-2890)	3.77	1.6+3.4+3.4 (2.7-9.50)	8.5	1949.3 (430-2600)	4.36
9.2	1.5+3.5+4.2	1.1+2.6+3.1 (2.70-8.00)	6.8	1878 (420-2960)	3.62	1.5+3.2+3.8 (2.7-9.50)	8.5	2171.5 (430-2600)	3.91
10.0	1.5+3.5+5.0	1.0+2.4+3.4 (2.70-8.00)	6.8	1888 (420-2960)	3.60	1.3+2.9+4.3 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
11.0	1.5+3.5+6.0	1.0+2.9+2.9 (2.70-8.00)	6.8	1930 (420-2960)	3.52	1.1+2.7+4.6 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
9.9	1.5+4.2+4.2	1.0+2.9+2.9 (2.70-8.00)	6.8	1899 (420-2960)	3.58	1.4+3.6+3.6 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
10.7	1.5+4.2+5.0	1.0+2.7+3.2 (2.70-8.00)	6.8	1899 (420-2960)	3.58	1.2+3.2+4.0 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
5.4	1.8+1.8+1.8	1.8+1.8+1.8 (2.70-5.90)	5.4	1565 (460-2190)	3.45	2.5+2.5+2.5 (2.9-9.1)	7.5	1949.3 (430-2600)	3.85
6.1	1.8+1.8+2.5	1.8+1.8+2.5 (2.70-6.70)	6.1	1680 (460-2480)	3.63	2.5+2.5+3.4 (2.9-9.5)	8.4	1999.8 (430-2600)	4.20
7.1	1.8+1.8+3.5	1.7+1.7+3.4 (2.70-7.80)	6.8	1805 (460-2890)	3.77	2.3+2.3+3.9 (2.7-9.50)	8.5	2030.1 (430-2600)	4.19
7.8	1.8+1.8+4.2	1.6+1.6+3.7 (2.70-7.80)	6.8	1857 (460-2960)	3.66	2.1+2.1+4.3 (2.7-9.50)	8.5	2030.1 (430-2600)	4.19
8.6	1.8+1.8+5.0	1.4+1.4+4.0 (2.70-8.00)	6.8	1878 (460-2960)	3.62	1.8+1.8+4.8 (2.7-9.50)	8.5	2171.5 (430-2600)	3.91
9.6	1.8+1.8+6.0	1.3+1.3+4.3 (2.70-8.00)	6.8	1930 (460-2960)	3.52	1.7+1.7+5.1 (2.7-9.50)	8.5	2211.9 (500-3120)	3.84
6.8	1.8+2.5+2.5	1.8+2.5+2.5 (2.70-7.50)	6.8	1805 (460-2780)	3.77	2.3+3.1+3.1 (2.7-9.50)	8.5	1818 (430-2600)	4.68
7.8	1.8+2.5+3.5	1.6+2.2+3.1 (2.70-8.00)	6.8	1805 (460-2960)	3.77	2.1+2.8+3.6 (2.7-9.50)	8.5	1838.2 (430-2600)	4.62
8.5	1.8+2.5+4.2	1.4+2.0+3.4 (2.7-8.00)	6.8	1857 (460-2770)	3.66	1.9+2.6+4.0 (2.7-9.50)	8.5	2020 (430-2600)	4.21
9.3	1.8+2.5+5.0	1.3+1.8+3.7 (2.7-8.00)	6.8	1888 (460-2770)	3.60	1.7+2.3+4.5 (2.7-9.50)	8.5	2171.5 (500-3120)	3.91
10.3	1.8+2.5+6.0	1.2+1.6+4.0 (2.7-8.00)	6.8	1930 (460-2960)	3.52	1.6+2.2+4.8 (2.7-9.50)	8.5	2211.9 (500-3120)	3.84
8.8	1.8+3.5+3.5	1.4+2.7+2.7 (2.7-8.00)	6.8	1773 (460-2960)	3.83	1.9+3.3+3.3 (2.7-9.50)	8.5	2121 (430-2600)	4.01
9.5	1.8+3.5+4.2	1.3+2.5+3.0 (2.7-8.00)	6.8	1857 (460-2960)	3.66	1.8+3.0+3.7 (2.7-9.50)	8.5	2121 (430-2600)	4.01
10.3	1.8+3.5+5.0	1.2+2.3+3.3 (2.7-8.00)	6.8	1888 (460-2960)	3.60	1.6+2.7+4.2 (2.7-9.50)	8.5	2171.5 (430-2600)	3.91
10.2	1.8+4.2+4.2	1.2+2.8+2.8 (2.7-8.00)	6.8	1878 (460-2960)	3.62	1.9+3.3+3.3 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
11.0	1.8+4.2+5.0	1.1+2.6+3.1 (2.7-8.00)	6.8	1909 (460-2960)	3.56	1.4+3.6+3.6 (2.7-9.50)	8.5	2323 (430-2600)	3.66
7.5	2.5+2.5+2.5	2.3+2.3+2.3 (2.40-7.00)	6.8	1805 (460-2890)	3.77	2.8+2.8+2.8 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
8.5	2.5+2.5+3.5	2.0+2.0+2.8 (2.70-8.00)	6.8	1805 (460-2960)	3.77	2.6+2.6+3.3 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
9.2	2.5+2.5+4.2	1.8+1.8+3.1 (2.70-8.00)	6.8	1857 (460-2960)	3.66	2.4+2.4+3.7 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
10.0	2.5+2.5+5.0	1.7+1.7+3.4 (2.70-8.00)	6.8	1909 (460-2960)	3.56	2.2+2.2+4.2 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
11.0	2.5+2.5+6.0	1.6+1.6+3.7 (2.70-8.00)	6.8	1930 (460-2960)	3.52	2.2+2.2+4.4 (2.7-9.50)	8.5	2474.5 (430-2600)	3.44
9.5	2.5+3.5+3.5	1.8+2.5+2.5 (2.70-8.00)	6.8	1857 (460-2960)	3.66	2.4+3.0+3.0 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
10.2	2.5+3.5+4.2	1.7+2.3+2.8 (2.70-8.00)	6.8	1857 (460-2960)	3.66	2.2+2.8+3.4 (2.7-9.50)	8.5	2272.5 (430-2600)	3.74
11.0	2.5+3.5+5.0	1.6+2.2+3.1 (2.70-8.00)	6.8	1909 (460-2960)	3.56	2.0+2.6+3.9 (2.7-9.50)	8.5	2474.5 (430-2600)	3.44
10.9	2.5+4.2+4.2	1.5+2.6+2.6 (2.70-8.00)	6.8	1826 (460-2960)	3.72	2.4+3.0+3.0 (2.7-9.50)	8.5	2474.5 (500-3120)	3.44
10.5	3.5+3.5+3.5	2.3+2.3+2.3 (2.70-8.00)	6.8	1784 (460-2960)	3.81	2.8+2.8+2.8 (2.7-9.50)	8.5	2302.8 (430-2600)	3.69

The total capacity in Cooling cannot be more than 11.0 kW

RAM-G70N4HAE - Installation

Piping lengths RAM-G70N4HAE :



Installation Specifications of the outdoor Unit RAM-G70N4HAE

- Pre-loaded for **30 m**.
- Charge additional 20 g/m of refrigerant for piping lengths above **30 m**.
- Always connect the larger Indoor unit to the lowest piping connection.

Specific Installation requirements for Air/Air Handling Units.

- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

Combinations of Indoor units

RAM-G70N4HAE	COOLING MODE				HEATING MODE					
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.5	460 (320-480)	3.26	2.0 (1.50-2.20)	2.0	550 (360-850)	3.64	
	1.8	1.8	2.0	495 (320-610)	3.64	2.5 (2.00-3.00)	2.5	680 (360-1100)	3.68	
	2.5	2.5	2.5	700 (320-860)	3.57	3.4 (2.00-4.00)	3.4	1070 (360-1600)	3.18	
	3.5	3.5	3.5	1030 (320-1270)	3.40	4.3 (2.00-5.20)	4.3	1420 (360-1820)	3.03	
	4.2	4.2	4.2	1295 (320-1560)	3.24	5.2 (2.00-6.50)	5.2	1510 (360-2240)	3.44	
	5.0	5.0	5.0	1480 (320-1860)	3.38	6.5 (2.00-7.30)	6.5	2010 (360-2580)	3.23	
	6.0	6.0	6.0	1550 (320-2100)	3.87	7.5 (2.00-8.20)	7.5	2010 (360-2950)	3.73	
	7.0	7.0	7.0	1830 (320-2100)	3.83	8.2 (2.00-9.00)	8.2	2200 (360-2950)	3.73	
	3.0	1.5+1.5	1.5+1.5	3.0	908 (500-1400)	3.31	2.0+2.0 (2.70-4.50)	4.0	1061 (500-1140)	3.77
	3.3	1.5+1.8	1.5+1.8	3.3	991 (500-1600)	3.33	2.0+2.5 (2.70-5.00)	4.5	1192 (500-1416)	3.78
4.0	1.5+2.5	1.5+2.5	4.0	1283 (500-1650)	3.12	2.0+3.4 (2.70-5.90)	5.4	1444 (500-1584)	3.74	
5.0	1.5+3.5	1.5+3.5	5.0	1513 (500-1660)	3.31	2.0+4.3 (2.70-6.80)	6.3	1687 (500-1860)	3.74	
5.7	1.5+4.2	1.5+4.2	5.7	1648 (500-2300)	3.46	2.0+5.2 (2.7-8.0)	7.2	1838 (500-2560)	3.92	
6.5	1.5+5.0	1.5+5.0	6.5	1732 (500-2300)	3.75	2.0+6.5 (2.70-9.00)	8.5	2121 (500-2760)	4.01	
7.5	1.5+6.0	1.4+5.6	7.0	1826 (500-2300)	3.83	1.8+6.7 (2.7-10.0)	8.5	2172 (500-2760)	3.91	
8.5	1.5+7.0	1.2+5.8	7.0	2000 (500-2300)	3.50	1.7+6.8 (2.7-10.0)	8.5	2280 (500-2760)	3.73	
3.6	1.8+1.8	1.8+1.8	3.6	1064 (500-1660)	3.38	2.5+2.5 (2.70-6.90)	5.0	1313 (500-1710)	3.81	
4.3	1.8+2.5	1.8+2.5	4.3	1252 (500-1660)	3.43	2.5+3.4 (2.7-7.7)	5.9	1747 (500-1990)	3.38	
5.3	1.8+3.5	1.8+3.5	5.3	1356 (500-1660)	3.91	2.5+4.3 (2.7-8.5)	6.8	1818 (500-2320)	3.74	
6.0	1.8+4.2	1.8+4.2	6.0	1690 (500-2300)	3.55	2.5+5.2 (2.7-9.50)	7.7	1869 (500-2880)	4.12	
6.8	1.8+5.0	1.8+5.0	6.8	1732 (500-2300)	3.93	2.4+6.1 (2.7-9.50)	8.5	2121 (500-2880)	4.01	
7.8	1.8+6.0	1.6+5.4	7.0	1732 (500-2300)	4.04	2.1+6.4 (2.7-9.50)	8.5	2172 (500-2880)	3.91	
8.8	1.8+7.0	1.4+5.6	7.0	2000 (500-2300)	3.50	2.0+6.5 (2.7-9.50)	8.5	2280 (500-2880)	3.73	
5.0	2.5+2.5	2.5+2.5	5.0	1544 (500-2300)	3.24	3.4+3.4 (2.7-8.5)	6.8	1818 (500-2250)	3.74	
6.0	2.5+3.5	2.5+3.5	6.0	1711 (500-2300)	3.51	3.4+4.3 (2.7-9.2)	7.7	1949 (500-2590)	3.95	
6.7	2.5+4.2	2.5+4.2	6.7	1711 (500-2300)	3.92	3.4+5.1 (2.7-9.2)	8.5	1949 (500-3110)	4.36	
7.5	2.5+5.0	2.3+4.7	7.0	1680 (500-2300)	4.17	2.9+5.6 (2.7-9.50)	8.5	2121 (500-3110)	4.01	
8.5	2.5+6.0	2.1+4.9	7.0	1732 (500-2300)	4.04	2.7+5.8 (2.7-9.50)	8.5	2172 (500-3110)	3.91	
9.5	2.5+7.0	1.8+5.2	7.0	2000 (500-2300)	3.50	2.5+6.0 (2.7-9.50)	8.5	2280 (500-3110)	3.73	
7.0	3.5+3.5	3.5+3.5	7.0	1732 (500-2300)	4.04	4.3+4.3 (2.7-9.50)	8.5	1949 (500-2860)	4.36	
7.7	3.5+4.2	3.2+3.8	7.0	1732 (500-2300)	4.04	3.8+4.7 (2.7-9.50)	8.5	1949 (500-3120)	4.36	
8.5	3.5+5.0	2.9+4.1	7.0	1732 (500-2300)	4.04	3.4+5.1 (2.7-9.50)	8.5	2121 (500-3120)	4.01	
9.5	3.5+6.0	2.6+4.4	7.0	1805 (500-2300)	3.88	3.1+5.4 (2.7-9.50)	8.5	2172 (500-3120)	3.91	
10.5	3.5+7.0	2.3+4.7	7.0	2000 (500-2300)	3.50	2.9+5.6 (2.7-9.50)	8.5	2280 (500-3120)	3.73	
8.4	4.2+4.2	3.5+3.5	7.0	1805 (500-3200)	3.88	4.3+4.3 (2.7-9.50)	8.5	2121 (500-3120)	4.01	
9.2	4.2+5.0	3.2+3.8	7.0	2067 (500-3200)	3.39	3.8+4.7 (2.7-9.50)	8.5	2273 (500-3120)	3.74	
10.2	4.2+6.0	2.9+4.1	7.0	2067 (500-3200)	3.39	3.4+5.1 (2.7-9.50)	8.5	2273 (500-3120)	3.74	
10.0	5.0+5.0	3.5+3.5	7.0	2067 (500-3200)	3.39	4.3+4.3 (2.7-9.50)	8.5	2273 (500-3120)	3.74	
11.0	5.0+6.0	3.2+3.8	7.0	2067 (500-3200)	3.39	3.9+4.6 (2.7-9.50)	8.5	2273 (500-3120)	3.74	

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit.

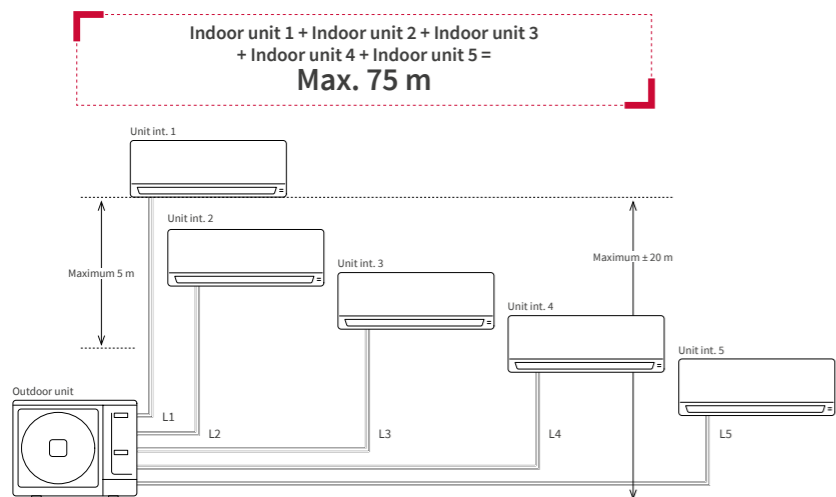
Combinations of Indoor units

RAM-G70N4HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	COP	
4.5	1.5+1.5+1.5	1.5+1.5+1.5	4.5	1461 (5100-2300)	3.08	2.0+2.0+2.0 (2.90-6.50)	6.0	1808 (520-1848)	3.32	
4.8	1.5+1.5+1.8	1.5+1.5+1.8	4.8	1544 (5100-2300)	3.11	2.0+2.0+2.5 (2.90-7.00)	6.5	1818 (520-2160)	3.58	
5.5	1.5+1.5+2.5	1.5+1.5+2.5	5.5	1732 (5100-2300)	3.18	2.0+2.0+3.4 (2.90-7.90)	7.4	1949 (520-2412)	3.80	
6.5	1.5+1.5+3.5	1.5+1.5+3.5	6.5	1732 (510-2678)	3.75	2.0+2.0+4.3 (2.90-8.80)	8.3	1100 (520-2904)	4.15	
7.2	1.5+1.5+4.2	1.5+1.5+4.1	7.0	1805 (510-2676)	3.88	1.8+1.8+4.8 (2.90-9.50)	8.5	2030 (520-1848)	4.19	
8.0	1.5+1.5+5.0	1.3+1.3+4.4	7.0	1857 (510-2950)	3.77	1.6+1.6+5.3 (2.90-9.50)	8.5	2172 (520-1848)	3.91	
9.0	1.5+1.5+6.0	1.2+1.2+4.7	7.0	1930 (510-2950)	3.63	1.5+1.5+5.5 (2.90-9.50)	8.5	2212 (520-1848)	3.84	
10.0	1.5+1.5+7.0	1.1+1.1+4.9	7.0	2010 (510-2950)	3.48	1.4+1.4+5.7 (2.90-9.50)	8.5	2280 (520-1848)	3.73	
5.1	1.5+1.8+1.8	1.5+1.8+1.8	5.1	1565 (510-2560)	3.26	2.0+2.5+2.5 (2.90-7.5)	7.0	1818 (520-2280)	3.85	
5.8	1.5+1.8+2.5	1.5+1.8+2.5	5.8	1659 (510-2560)	3.50	2.0+2.5+3.4 (2.90-8.4)	7.9	1970 (520-2616)	4.01	
6.8	1.5+1.8+3.5	1.5+1.8+3.5	6.8	1805 (510-2560)	3.77	1.9+2.4+4.2 (2.90-9.3)	8.5	1100 (520-1848)	4.25	
7.5	1.5+1.8+4.2	1.4+1.7+3.9	7.0	1877 (510-2560)	3.73	1.8+2.2+4.6 (2.90-9.50)	8.5	1100 (520-3120)	4.25	
8.3	1.5+1.8+5.0	1.3+1.5+4.2	7.0	1888 (510-2880)	3.71	1.5+1.9+5.0 (2.90-9.50)	8.5	2172 (520-3120)	3.91	
9.3	1.5+1.8+6.0	1.1+1.4+4.5	7.0	1930 (510-2880)	3.63	1.4+1.8+5.3 (2.90-9.50)	8.5	2172 (520-3120)	3.91	
10.3	1.5+1.8+7.0	1.0+1.2+4.8	7.0	2050 (510-2880)	3.41	1.3+1.7+5.5 (2.90-9.50)	8.5	2280 (520-3120)	3.73	
6.5	1.5+2.5+2.5	1.5+2.5+2.5	6.5	1732 (510-2560)	3.75	1.9+3.3+3.3 (2.90-9.3)	8.5	2010 (520-1848)	4.23	
7.5	1.5+2.5+3.5	1.4+2.3+3.3	7.0	1805 (510-2880)	3.88	1.8+3.0+3.8 (2.90-9.50)	8.5	2030 (520-1848)	4.19	
8.2	1.5+2.5+4.2	1.3+2.1+3.6	7.0	1857 (510-2880)	3.77	1.6+2.7+4.2 (2.90-9.50)	8.5	1949 (520-1848)	4.36	
9.0	1.5+2.5+5.0	1.2+1.9+3.9	7.0	1888 (510-2880)	3.71	1.4+2.4+4.6 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
10.0	1.5+2.5+6.0	1.1+1.8+4.2	7.0	1930 (510-2880)	3.63	1.3+2.2+4.9 (2.90-9.50)	8.5	2273 (520-3360)	3.74	
8.5	1.5+3.5+3.5	1.2+2.9+2.9	7.0	1805 (510-2880)	3.88	1.6+3.4+3.4 (2.90-9.50)	8.5	1950 (520-3120)	4.36	
9.2	1.5+3.5+4.2	1.1+2.7+3.2	7.0	1878 (510-3200)	3.73	1.5+3.2+3.8 (2.90-9.50)	8.5	2172 (520-3120)	3.91	
10.0	1.5+3.5+5.0	1.1+2.5+3.5	7.0	1888 (510-3200)	3.71	1.3+2.9+4.3 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
11.0	1.5+3.5+6.0	1.0+2.2+3.8	7.1	1930 (510-3200)	3.68	1.3+2.6+4.6 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
9.9	1.5+4.2+4.2	1.1+3.0+3.0	7.0	1899 (510-3200)	3.69	1.4+3.6+3.6 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
10.7	1.5+4.2+5.0	1.0+2.7+3.3	7.0	1899 (510-3200)	3.69	1.2+3.2+4.0 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
5.4	1.8+1.8+1.8	1.8+1.8+1.8	5.4	1565 (510-1780)	3.45	2.5+2.5+2.5 (2.9-9.1)	7.5	1949 (520-2440)	3.85	
6.1	1.8+1.8+2.5	1.8+1.8+2.5	6.1	1680 (510-2150)	3.63	2.5+2.5+3.4 (2.9-9.5)	8.4	1100 (520-2620)	4.20	
7.1	1.8+1.8+3.5	1.8+1.8+3.5	7.0	1805 (510-2310)	3.88	2.3+2.3+3.9 (2.90-9.50)	8.5	2030 (520-2740)	4.19	
7.8	1.8+1.8+4.2	1.6+1.6+3.8	7.0	1857 (510-3200)	3.77	2.1+2.1+4.3 (2.90-9.50)	8.5	2030 (520-3060)	4.19	
8.6	1.8+1.8+5.0	1.5+1.5+4.1	7.0	1878 (510-3200)	3.73	1.8+1.8+4.8 (2.90-9.50)	8.5	2172 (520-3060)	3.91	
9.6	1.8+1.8+6.0	1.3+1.3+4.4	7.0	1930 (510-3200)	3.63	1.7+1.7+5.1 (2.90-9.50)	8.5	2212 (520-3060)	3.84	
10.6	1.8+1.8+7.0	1.2+1.2+4.6	7.0	2050 (510-3200)	3.41	1.6+1.6+5.3 (2.90-9.50)	8.5	2280 (520-3060)	3.73	
6.8	1.8+2.5+2.5	1.8+2.5+2.5	6.8	1805 (510-2260)	3.77	2.3+3.1+3.1 (2.90-9.50)	8.5	1818 (520-2760)	4.68	
7.8	1.8+2.5+3.5	1.6+2.2+3.1	7.0	1805 (510-2660)	3.88	2.1+2.8+3.6 (2.90-9.50)	8.5	1838 (520-2880)	4.62	
8.5	1.8+2.5+4.2	1.5+2.1+3.5	7.0	1857 (510-3200)	3.77	1.9+2.6+4.0 (2.90-11.0)	8.5	2020 (520-3120)	4.21	
9.3	1.8+2.5+5.0	1.4+1.9+3.8	7.0	1888 (510-3200)	3.71	1.7+2.3+4.5 (2.90-9.50)	8.5	2172 (520-3120)	3.91	
10.3	1.8+2.5+6.0	1.2+1.7+4.1	7.0	1930 (510-3200)	3.63	1.6+2.2+4.8 (2.90-9.50)	8.5	2212 (520-3120)	3.84	
8.8	1.8+3.5+3.5	1.4+2.8+2.8	7.0	1773 (510-3200)	3.95	1.9+3.3+3.3 (2.90-9.50)	8.5	2121 (520-3060)	4.01	
9.5	1.8+3.5+4.2	1.3+2.6+3.1	7.0	1857 (510-3200)	3.77	1.8+3.0+3.7 (2.90-9.50)	8.5	2121 (520-3120)	4.01	
10.3	1.8+3.5+5.0	1.2+2.4+3.4	7.0	1888 (510-3200)	3.71	1.6+2.7+4.2 (2.90-9.50)	8.5	2172 (520-3120)	3.91	
10.2	1.8+4.2+4.2	1.2+2.9+2.9	7.0	1878 (510-3200)	3.73	1.9+3.3+3.3 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
11.0	1.8+4.2+5.0	1.2+2.7+3.1	7.0	1909 (510-3200)	3.67	1.8+3.1+3.6 (2.90-9.50)	8.5	2323 (520-3120)	3.66	
7.5	2.5+2.5+2.5	2.3+2.3+2.3	7.0	180 (510-3200)	3.88	2.8+2.8+2.8 (2.90-9.50)	8.5	2273 (520-2920)	3.74	
8.5	2.5+2.5+3.5	2.1+2.1+2.9	7.0	1805 (510-3200)	3.88	2.6+2.6+3.3 (2.90-9.50)	8.5	2273 (520-3070)	3.74	
9.2	2.5+2.5+4.2	1.9+1.9+3.2	7.0	1857 (510-3200)	3.77	2.4+2.4+3.7 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
10.0	2.5+2.5+5.0	1.8+1.8+3.5	7.0	1909 (510-3200)	3.67	2.2+2.2+4.2 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
11.0	2.5+2.5+6.0	1.6+1.6+3.8	7.0	1930 (510-3200)	3.63	2.0+2.0+4.5 (2.90-9.50)	8.5	2475 (520-3120)	3.44	
9.5	2.5+3.5+3.5	1.8+2.6+2.6	7.0	1857 (510-3200)	3.77	2.4+3.0+3.0 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
10.2	2.5+3.5+4.2	1.7+2.4+2.9	7.0	1857 (510-3200)	3.77	2.2+2.8+3.4 (2.90-9.50)	8.5	2273 (520-3120)	3.74	
11.0	2.5+3.5+5.0	1.6+2.2+3.2	7.0	1909 (510-3200)	3.67	2.1+2.6+3.8 (2.90-9.50)	8.5	2473 (520-3120)	3.44	
10.9	2.5+4.2+4.2	1.6+2.7+2.7	7.0	1826 (510-3200)	3.83	2.4+3.0+3.0 (2.90-9.50)	8.5	2475 (520-3120)	3.44	
10.5	3.5+3.5+3.5	2.3+2.3+2.3	7.0	1784 (510-3200)	3.92	2.8+2.8+2.8 (2.90-9.50)	8.5	2303 (520-3120)	3.69	

RAM-G70N4HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Power ass. totale (W)	EER	IU capacity (kW)	Total capacity (kW)	Power ass. totale (W)	EER	COP	
6.0	1.5+1.5+1.5+1.5	1.5+1.5+1.5+1.5	6.0	1732 (550-2530)	3.46	2.0+2.0+2.0+2.0 (3.00-8.5)	8.0	2000 (540-2652)	4.00	
6.3	1.5+1.5+1.5+1.8	1.5+1.5+1.5+1.8	6.3	1732 (550-2530)	3.64	2.0+2.0+2.0+2.5 (3.00-9.0)	8.5	2000 (540-2760)	4.25	
7.0	1.5+1.5+1.5+2.5	1.5+1.5+1.5+2.5	7.0	1804 (550-2530)	3.88	1.8+1.8+1.8+3.1 (3.00-9.50)	8.5	2030 (540-3036)	4.19	
8.0	1.5+1.5+1.5+3.5	1.3+1.3+1.3+3.1	7.0	1865 (550-2792)	3.75	1.7+1.7+1.7+3.5 (3.00-9.50)	8.5	2040 (540-3120)	4.17	
8.7	1.5+1.5+1.5+4.2	1.2+1.2+1.2+3.4	7.0	1880 (550-2792)	3.72	1.5+1.5+1.5+3.9 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
9.5	1.5+1.5+1.5+5.0	1.1+1.1+1.1+3.7	7.0	1930 (550-3180)	3.63	1.4+1.4+1.4+4.4 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
10.5	1.5+1.5+1.5+6.0	1.0+1.0+1.0+4.0	7.0	2005 (550-3180)	3.49	1.3+1.3+1.3+4.7 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
6.6	1.5+1.5+1.8+1.8	1.5+1.5+1.8+1.8	6.6	1790 (550-2700)	3.69	1.9+1.9+2.4+2.4 (3.00-9.5)	8.5	2280 (540-3048)	3.73	
7.3	1.5+1.5+1.8+2.5	1.4+1.4+1.7+2.4	7.0	1840 (550-2720)	3.80	1.7+1.7+2.1+2.9 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
8.3	1.5+1.5+1.8+3.5	1.3+1.3+1.5+3.0	7.0	1880 (550-2816)	3.72	1.6+1.6+2.0+3.4 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
9.0	1.5+1.5+1.8+4.2	1.2+1.2+1.4+3.3	7.0	1910 (550-3120)	3.66	1.5+1.5+1.8+3.8 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
9.8	1.5+1.5+1.8+5.0	1.1+1.1+1.3+3.6	7.0	1980 (550-3120)	3.54	1.3+1.3+1.6+4.3 (3.00-11.5)	8.5	2280 (540-3120)	3.73	
10.8	1.5+1.5+1.8+6.0	1.0+1.0+1.2+3.9	7.0	2130 (550-3120)	3.29	1.2+1.2+1.5+4.6 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
8.0	1.5+1.5+2.5+2.5	1.3+1.3+2.2+2.2	7.0	1865 (550-2580)	3.75	1.6+1.6+2.7+2.7 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
9.0	1.5+1.5+2.5+3.5	1.2+1.2+1.9+2.7	7.0	1910 (550-3120)	3.66	1.5+1.5+2.5+3.1 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
9.7	1.5+1.5+2.5+4.2	1.1+1.1+1.8+3.0	7.0	1950 (550-3120)	3.59	1.3+1.3+2.3+3.5 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
10.5	1.5+1.5+2.5+5.0	1.0+1.0+1.7+3.3	7.0	1950 (550-3120)	3.59	1.2+1.2+2.1+4.0 (3.00-9.50)	8.5	2230 (540-3120)	3.81	
10.0	1.5+1.5+3.5+3.5	1.1+1.1+2.5+2.5	7.0	1930 (550-3120)	3.63	1.3+1.3+2.9+2.9 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
10.7	1.5+1.5+3.5+4.2	1.0+1.0+2.3+2.7	7.0	1950 (550-3200)	3.59	1.3+1.3+2.7+3.3 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
6.9	1.5+1.8+1.8+1.8	1.5+1.8+1.8+1.8	6.9	1860 (550-2244)	3.71	1.8+2.2+2.2+2.2 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
7.6	1.5+1.8+1.8+2.5	1.4+1.7+1.7+2.3	7.0	1880 (550-2568)	3.72	1.6+2.0+2.0+2.8 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
8.6	1.5+1.8+1.8+3.5	1.2+1.5+1.5+2.8	7.0	1770 (550-3060)	3.95	1.5+1.9+1.9+3.2 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
9.3	1.5+1.8+1.8+4.2	1.1+1.4+1.4+3.2	7.0	1980 (550-3120)	3.54	1.4+1.7+1.7+3.6 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
10.1	1.5+1.8+1.8+5.0	1.0+1.2+1.2+3.5	7.0	1880 (550-3120)	3.72	1.3+1.6+1.6+4.1 (3.00-9.50)	8.5	2230 (540-3120)	3.81	
11.0	1.5+1.8+1.8+6.0	1.0+1.1+1.1+3.8	7.0	2650 (550-3120)	2.64	1.1+1.5+1.5+4.4 (3.00-9.50)	8.5	2900 (540-3120)	2.93	
8.3	1.5+1.8+2.5+2.5	1.3+1.5+2.1+2.1	7.0	1900 (550-3200)	3.68	1.5+1.9+2.6+2.6 (3.00-9.50)	8.5	2200 (540-3120)	3.86	
9.3	1.5+1.8+2.5+3.5	1.1+1.4+1.9+2.6	7.0	1950 (550-3120)	3.59	1.4+1.7+2.4+3.0 (3.00-9.50)	8.5	2244 (540-3120)	3.79	
10.0	1.5+1.8+2.5+4.2	1.1+1.3+1.8+2.9	7.0	1888 (550-3120)	3.71	1.3+1.6+2.2+3.4 (3.00-9.50)	8.5	2280 (540-3120)	3.73	
10.8	1.5+1.8+2.5+5.0	1.0+1.2+1.6+3.2	7.0	2650 (550-3120)	2.64	1.2+1.5+2.0+3.8 (3.00-9.50)				

RAM-G85N5HAE - Installation

Piping lengths RAM-G85N5HAE :



Installation features of the outdoor unit RAM-G85N5HAE

- Pre-loaded for **35 m**.
- Charge additional 15 g/m of refrigerant for piping lengths above **35 m**.
- Always connect the larger Indoor unit to the lowest piping connection.

Specific Installation requirements for units

- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

Combinations of Indoor units

RAM-G85N5HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.5	1.5 (1.50-1.70)	460 (320-480)	3.26	2.0	2.0 (1.50-2.20)	610 (360-850)	3.28
	1.8	1.8	2.0	1.8 (1.70-2.00)	560 (320-610)	3.21	2.5	2.5 (2.00-3.00)	750 (360-1100)	3.33
	2.5	2.5	2.5	2.5 (1.70-2.80)	750 (320-860)	3.33	3.4	3.4 (2.00-4.00)	1020 (360-1600)	3.33
	3.5	3.5	3.5	3.5 (1.70-3.90)	1020 (320-1270)	3.43	4.3	4.3 (2.00-5.20)	1360 (360-1820)	3.16
	4.2	4.2	4.2	4.2 (1.70-4.60)	1230 (320-1560)	3.41	5.2	5.2 (2.00-6.50)	1600 (360-2240)	3.25
	5.0	5.0	5.0	5.0 (1.70-5.50)	1480 (320-1860)	3.38	6.5	6.5 (2.00-7.30)	1600 (360-2580)	4.06
	6.0	6.0	6.0	6.0 (1.70-6.60)	1900 (320-2100)	3.16	7.5	7.5 (2.00-8.20)	1900 (360-2950)	3.95
	7.0	7.0	7.0	7.0 (1.70-7.70)	2300 (320-2100)	3.04	8.2	8.2 (2.00-9.00)	2630 (360-2950)	3.12
2 Unit	3.0	1.5+1.5	1.5+1.5	3.0 (2.40-3.50)	1300 (500-1000)	2.31	2.0+2.0	4.0 (2.70-4.50)	1100 (500-1140)	3.64
	3.3	1.5+1.8	1.5+1.8	3.3 (2.40-3.80)	1400 (500-1300)	2.36	2.0+2.5	4.5 (2.70-5.00)	1250 (500-1416)	3.60
	4.0	1.5+2.5	1.5+2.5	4.0 (2.40-4.50)	1400 (500-1250)	2.86	2.0+3.4	5.4 (2.70-5.90)	1400 (500-1584)	3.86
	5.0	1.5+3.5	1.5+3.5	5.0 (2.40-5.50)	1550 (500-1660)	3.23	2.0+4.3	6.3 (2.70-6.80)	1600 (500-1860)	3.94
	5.7	1.5+4.2	1.5+4.2	5.7 (2.40-7.00)	1550 (500-1660)	3.68	2.0+5.2	7.2 (2.70-8.00)	1850 (500-2560)	3.89
	6.5	1.5+5.0	1.5+5.0	6.5 (2.40-7.00)	1550 (500-1660)	4.19	2.0+6.5	8.5 (2.70-9.00)	2300 (500-2760)	3.70
	7.5	1.5+6.0	1.5+6.0	7.5 (2.40-7.00)	2580 (500-1660)	2.91	2.0+7.5	9.5 (2.70-10.0)	2650 (500-2760)	3.58
	8.5	1.5+7.0	1.5+7.0	8.5 (2.40-7.00)	2630 (500-1660)	3.23	2.0+8.0	10 (2.70-10.0)	2680 (500-2760)	3.73
	3.6	1.8+1.8	1.8+1.8	3.6 (2.40-4.00)	1400 (500-1300)	2.57	2.5+2.5	5.0 (2.70-6.90)	1560 (500-1710)	3.21
	4.3	1.8+2.5	1.8+2.5	4.3 (2.40-4.70)	1450 (500-1450)	2.97	2.5+3.4	5.9 (2.70-7.70)	1600 (500-1990)	3.69
	5.3	1.8+3.5	1.8+3.5	5.3 (2.40-5.80)	1550 (500-1660)	3.42	2.5+4.3	6.8 (2.70-8.50)	1860 (500-2320)	3.66
	6.0	1.8+4.2	1.8+4.2	6.0 (2.40-5.80)	2050 (500-1660)	2.93	2.5+5.2	7.7 (2.70-10.0)	1900 (500-2880)	4.05
	6.8	1.8+5.0	1.8+5.0	6.8 (2.40-7.50)	2050 (500-1660)	3.32	2.5+6.5	9.0 (2.7-10.0)	2010 (500-2880)	4.48
	7.8	1.8+6.0	1.8+6.0	7.8 (2.40-8.50)	2580 (500-1660)	3.02	2.5+7.5	10 (2.70-10.0)	2650 (500-2880)	3.77
	8.8	1.8+7.0	1.7+6.8	8.5 (2.40-8.50)	2630 (500-1660)	3.23	2.3+7.7	10 (2.70-10.0)	2650 (500-2880)	3.77
	5.0	2.5+2.5	2.5+2.5	5.0 (2.40-5.50)	1550 (500-1660)	3.23	3.4+3.4	6.8 (2.70-8.50)	1800 (500-2250)	3.78
	6.0	2.5+3.5	2.5+3.5	6.0 (2.40-6.60)	2050 (500-1660)	2.93	3.4+4.3	7.7 (2.70-9.20)	1900 (500-2590)	4.05
	6.7	2.5+4.2	2.5+4.2	6.7 (2.40-6.60)	2050 (500-1660)	3.27	3.4+5.2	8.6 (2.70-9.20)	1980 (500-3110)	4.34
	7.5	2.5+5.0	2.5+5.0	7.5 (2.40-7.00)	2580 (500-1660)	2.91	3.4+6.5	9.9 (2.70-10.5)	2560 (500-3110)	3.87
	8.5	2.5+6.0	2.5+6.0	8.5 (2.40-8.80)	2630 (500-1660)	3.23	3.1+6.9	10 (2.70-11.0)	2540 (500-3110)	3.94
	9.5	2.5+7.0	2.2+6.3	8.5 (2.40-8.80)	2630 (500-1660)	3.23	2.9+7.1	10 (2.70-11.0)	2540 (500-3110)	3.94
	7.0	3.5+3.5	3.5+3.5	7.0 (2.40-7.70)	2280 (500-1660)	3.07	4.3+4.3	8.6 (2.70-10.0)	1850 (500-2860)	4.65
	7.7	3.5+4.2	3.5+4.2	7.7 (2.40-7.70)	2580 (500-1660)	2.98	4.3+5.2	9.5 (2.70-11.0)	2300 (500-3320)	4.13
	8.5	3.5+5.0	3.5+5.0	8.5 (2.40-8.80)	2630 (500-1660)	3.23	4.0+6.0	10 (2.70-11.0)	2540 (500-3320)	3.94
	9.5	3.5+6.0	3.1+5.4	8.5 (2.40-9.10)	2630 (500-1660)	3.23	3.6+6.4	10 (2.70-11.4)	2540 (500-3320)	3.94
	10.5	3.5+7.0	2.8+5.7	8.5 (2.40-9.10)	2630 (500-1660)	3.23	3.4+6.6	10 (2.70-11.4)	2680 (500-3320)	3.73
	8.4	4.2+4.2	4.2+4.2	8.4 (2.40-8.80)	2630 (500-3270)	3.19	4.3+4.3	8.6 (2.70-11.0)	2540 (500-3500)	3.39
	9.2	4.2+5.0	3.9+4.6	8.5 (2.40-8.80)	2630 (500-3270)	3.23	4.3+5.2	9.5 (2.70-11.0)	2540 (500-3500)	3.74
	10.2	4.2+6.0	3.5+5.0	8.5 (2.40-9.10)	2630 (500-3420)	3.23	3.6+6.4	10 (2.70-11.4)	2680 (500-3500)	3.73
	11.2	4.2+7.0	3.2+5.3	8.5 (2.40-9.10)	2630 (500-3420)	3.23	3.4+6.6	10 (2.70-11.4)	2670 (500-3500)	3.75
	10.0	5.0+5.0	4.3+4.3	8.5 (2.40-9.20)	2630 (500-3460)	3.23	5.0+5.0	10 (2.70-11.40)	2680 (500-3500)	3.73
	11.0	5.0+6.0	3.9+4.6	8.5 (2.40-9.60)	2630 (500-3570)	3.23	4.1+5.9	10 (2.70-11.5)	2670 (500-3500)	3.75
12.0	5.0+7.0	3.5+5.0	8.5 (2.40-9.60)	2630 (500-3570)	3.23	3.9+6.1	10 (2.70-11.5)	2580 (500-3500)	3.88	
12.0	6.0+6.0	4.3+4.3	8.5 (2.40-9.50)	2630 (500-3870)	3.23	5.0+5.0	10 (2.70-11.5)	2580 (500-3500)	3.88	
13.0	6.0+7.0	3.9+4.6	8.5 (2.40-9.50)	2630 (500-3870)	3.23	4.8+5.2	10 (2.7-11.5)	2540 (500-3500)	3.94	
14.0	7.0+7.0	4.3+4.3	8.5 (2.40-9.50)	2630 (500-3870)	3.23	5.0+5.0	10 (2.7-11.5)	2780 (500-3500)	3.60	

*Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit.

RAM-G85N5HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
3 Unit	4.5	1.5+1.5+1.5	1.5+1.5+1.5	4.5 (2.70-5.00)	1450 (510-1500)	3.10	2.0+2.0+2.0	6.0 (2.90-6.50)	1600 (520-1848)	3.75
	4.8	1.5+1.5+1.8	1.5+1.5+1.8	4.8 (2.70-5.30)	1600 (510-1620)	3.00	2.0+2.0+2.5	6.5 (2.90-7.00)	1600 (520-2160)	4.06
	5.5	1.5+1.5+2.5	1.5+1.5+2.5	5.5 (2.70-6.00)	1600 (510-1788)	3.44	2.0+2.0+3.4	7.4 (2.90-7.90)	1600 (520-2412)	4.63
	6.5	1.5+1.5+3.5	1.5+1.5+3.5	6.5 (2.70-7.00)	2050 (510-2678)	3.17	2.0+2.0+4.3	8.3 (2.90-8.80)	1750 (520-2904)	4.74
	7.2	1.5+1.5+4.2	1.5+1.5+4.2	7.2 (2.70-8.50)	2580 (510-2676)	2.79	2.0+2.0+5.2	9.2 (2.90-11.0)	2300 (520-1848)	4.00
	8.0	1.5+1.5+5.0	1.5+1.5+5.0	8.0 (2.70-8.50)	2080 (510-2676)	3.85	1.9+1.9+6.2	10.0 (2.90-11.0)	2680 (520-1848)	3.73
	9.0	1.5+1.5+6.0	1.4+1.4+5.7	8.5 (2.70-8.50)	2580 (510-2676)	3.29	1.7+1.7+6.5	10.0 (2.90-11.50)	2680 (520-1848)	3.73
	10.0	1.5+1.5+7.0	1.3+1.3+6.0	8.5 (2.70-8.50)	2630 (510-2676)	3.23	1.6+1.6+6.7	10.0 (2.90-11.50)	2680 (520-1848)	3.73
	5.1	1.5+1.8+1.8	1.5+1.8+1.8	5.1 (2.70-5.60)	1550 (510-1500)	3.29	2.0+2.5+2.5	7.0 (2.90-7.50)	1600 (520-2280)	4.38
	5.8	1.5+1.8+2.5	1.5+1.8+2.5	5.8 (2.70-6.30)	2000 (510-2844)	2.90	2.0+2.5+3.4	7.9 (2.90-8.40)	1700 (520-2616)	4.65
	6.8	1.5+1.8+3.5	1.5+1.8+3.5	6.8 (2.70-7.30)	2000 (510-1500)	3.40	2.0+2.5+4.3	8.8 (2.90-9.30)	1800 (520-1848)	4.89
	7.5	1.5+1.8+4.2	1.5+1.8+4.2	7.5 (2.40-7.00)	2100 (510-1500)	3.57	2.0+2.5+5.2	9.70 (2.90-11.0)	2300 (520-3360)	4.22
	8.3	1.5+1.8+5.0	1.5+1.8+5.0	8.3 (2.70-8.80)	2580 (510-1500)	3.22	1.8+2.3+5.9	10.0 (2.90-11.5)	2680 (520-3360)	3.73
	9.3	1.5+1.8+6.0	1.4+1.6+5.5	8.5 (2.70-8.80)	2630 (510-1500)	3.23	1.7+2.1+6.3	10.0 (2.90-11.5)	2680 (520-3360)	3.73
	10.3	1.5+1.8+7.0	1.2+1.5+5.8	8.5 (2.70-8.80)	2630 (510-1500)	3.23	1.6+2.0+6.5	10.0 (2.90-11.5)	2680 (520-3360)	3.73
	6.5	1.5+2.5+2.5	1.5+2.5+2.5	6.5 (2.70-7.00)	1980 (510-2520)	3.28	2.0+3.4+3.4	8.8 (2.90-9.30)	1750 (520-1848)	5.03
	7.5	1.5+2.5+3.5	1.5+2.5+3.5	7.5 (2.40-7.00)	2400 (510-3096)	3.13	2.0+3.4+4.3	9.7 (2.90-10.2)	2300 (520-1848)	4.22
	8.2	1.5+2.5+4.2	1.5+2.5+4.2	8.2 (2.70-9.50)	2580 (510-1500)	3.18	1.9+3.2+4.9	10.0 (2.70-11.0)	2680 (520-1848)	3.73
	9.0	1.5+2.5+5.0	1.4+2.4+4.7	8.5 (2.70-9.50)	2580 (510-1500)	3.29	1.7+2.9+5.5	10.0 (2.70-11.5)	2680 (520-3360)	3.73
	10.0	1.5+2.5+6.0	1.3+2.1+5.1	8.5 (2.70-9.50)	2630 (510-1500)	3.23	1.6+2.6+5.8	10.0 (2.70-11.5)	2680 (520-3360)	3.73
	11.0	1.5+2.5+7.0	1.2+1.9+5.4	8.5 (2.70-9.50)	2630 (510-1500)	3.23	1.5+2.5+6.0	10.0 (2.70-11.5)	2670 (520-3360)	3.75
	8.5	1.5+3.5+3.5	1.5+3.5+3.5	8.5 (2.70-9.00)	2580 (510-3360)	3.29	1.9+4.1+4.1	10.0 (2.90-11.1)	2680 (520-3360)	3.73
	9.2	1.5+3.5+4.2	1.4+3.2+3.9	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.7+3.7+4.5	10.0 (2.90-11.1)	2680 (520-3360)	3.73
	10.0	1.5+3.5+5.0	1.3+3.0+4.3	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.6+3.4+5.1	10.0 (2.90-11.5)	2680 (520-3360)	3.73
	11.0	1.5+3.5+6.0	1.2+2.7+4.6	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.4+3.1+5.4	10.0 (2.90-11.5)	2670 (520-3360)	3.75
	12.0	1.5+3.5+7.0	1.1+2.5+5.0	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.4+3.1+5.4	10.0 (2.90-11.5)	2780 (520-3360)	3.60
	9.9	1.5+4.2+4.2	1.3+3.6+3.6	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.6+4.2+4.2	10.0 (2.90-11.1)	2680 (520-3360)	3.73
	10.7	1.5+4.2+5.0	1.2+3.3+4.0	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.5+3.8+4.7	10.0 (2.90-11.5)	2680 (520-3360)	3.73
	11.7	1.5+4.2+6.0	1.1+3.1+4.4	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.4+3.5+5.1	10.0 (2.90-11.5)	2670 (520-3360)	3.75
	12.7	1.5+4.2+7.0	1.0+2.8+4.7	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.4+3.5+5.1	10.0 (2.90-11.5)	2710 (520-3360)	3.69
	11.5	1.5+5.0+5.0	1.1+3.7+3.7	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.3+4.3+4.3	10.0 (2.90-11.5)	2670 (520-3360)	3.75
	12.5	1.5+5.0+6.0	1.0+3.4+4.1	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.3+4.1+4.7	10.0 (2.90-11.5)	2280 (520-3360)	4.39
13.5	1.5+5.0+7.0	0.9+3.1+4.4	8.5 (2.70-9.50)	2630 (510-3216)	3.23	1.3+4.1+4.7	10.0 (2.90-11.5)	2780 (520-3360)	3.60	
13.5	1.5+6.0+6.0	0.								

Combinations of Indoor units

	13.0	1.8+4.2+7.0	1.2+2.7+4.6	8.5 (2.70-9.50)	2630 (510-3320)	3.23	1.9+3.2+4.9	10.0 (2.90-11.5)	2600 (520-3330)	3.85
	11.8	1.8+5.0+5.0	1.3+3.6+3.6	8.5 (2.70-9.50)	2630 (510-3320)	3.23	1.5+3.9+4.5	10.0 (2.90-11.5)	2670 (520-3330)	3.75
	12.8	1.8+5.0+6.0	1.2+3.3+4.0	8.5 (2.70-9.50)	2630 (510-3280)	3.23	1.9+4.0+4.0	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	13.8	1.8+5.0+7.0	1.1+3.1+4.3	8.5 (2.70-9.50)	2630 (510-3280)	3.23	1.9+4.0+4.0	10.0 (2.90-11.5)	2650 (520-3330)	3.77
	13.8	1.8+6.0+6.0	1.1+3.7+3.7	8.5 (2.70-9.50)	2630 (510-3320)	3.23	1.8+3.7+4.6	10.0 (2.90-11.5)	2650 (520-3330)	3.77
	14.8	1.8+6.0+7.0	1.0+3.4+4.0	8.5 (2.70-9.50)	2630 (510-3320)	3.23	1.8+3.7+4.6	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	7.5	2.5+2.5+2.5	2.5+2.5+2.5	7.5 (2.40-7.00)	2300 (510-2580)	3.26	3.3+3.3+3.3	10.0 (2.90-10.4)	2610 (520-2920)	3.83
	8.5	2.5+2.5+3.5	2.5+2.5+3.5	8.5 (2.70-9.40)	2580 (510-3110)	3.29	3.1+3.1+3.9	10.0 (2.90-11.2)	2680 (520-3070)	3.73
	9.2	2.5+2.5+4.2	2.3+2.3+3.9	8.5 (2.70-9.40)	2630 (510-3360)	3.23	2.8+2.8+4.3	10.0 (2.90-11.5)	2680 (520-3330)	3.73
	10.0	2.5+2.5+5.0	2.1+2.1+4.3	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.6+2.6+4.9	10.0 (2.90-11.5)	2680 (520-3330)	3.73
	11.0	2.5+2.5+6.0	1.9+1.9+4.6	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.4+2.4+5.2	10.0 (2.90-11.5)	2670 (520-3330)	3.75
	12.0	2.5+2.5+7.0	1.8+1.8+5.0	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.4+2.4+5.2	10.0 (2.90-11.5)	2690 (520-3330)	3.72
	9.5	2.5+3.5+3.5	2.2+3.1+3.1	8.5 (2.70-9.50)	2630 (510-3330)	3.23	2.8+3.6+3.6	10.0 (2.90-11.5)	2680 (520-3220)	3.73
	10.2	2.5+3.5+4.2	2.1+2.9+3.5	8.5 (2.70-9.50)	2630 (510-3350)	3.23	2.6+3.3+4.0	10.0 (2.90-11.5)	2680 (520-3330)	3.73
	11.0	2.5+3.5+5.0	1.9+2.7+3.9	8.5 (2.70-9.50)	2630 (510-3350)	3.23	2.4+3.0+4.6	10.0 (2.90-11.5)	2670 (520-3330)	3.75
	12.0	2.5+3.5+6.0	1.8+2.5+4.3	8.5 (2.70-9.50)	2630 (510-3350)	3.23	2.2+2.8+4.9	10.0 (2.90-11.5)	2690 (520-3330)	3.72
	13.0	2.5+3.5+7.0	1.6+2.3+4.6	8.5 (2.70-9.50)	2630 (510-3350)	3.23	2.2+2.8+4.9	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	10.9	2.5+4.2+4.2	1.9+3.3+3.3	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.8+3.6+3.6	10.0 (2.90-11.5)	2680 (520-3330)	3.73
	11.7	2.5+4.2+5.0	1.8+3.0+3.6	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.6+3.3+4.0	10.0 (2.90-11.5)	2670 (520-3330)	3.75
	12.7	2.5+4.2+6.0	1.7+2.8+4.0	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.4+3.0+4.6	10.0 (2.90-11.5)	2690 (520-3330)	3.72
	13.7	2.5+4.2+7.0	1.6+2.6+4.4	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.4+3.0+4.6	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	12.5	2.5+5.0+5.0	1.7+3.4+3.4	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.0+3.7+4.3	10.0 (2.90-11.5)	2690 (520-3330)	3.72
	13.5	2.5+5.0+6.0	1.6+3.1+3.8	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.5+3.8+3.8	10.0 (2.90-11.5)	2600 (520-3330)	3.85
	14.5	2.5+5.0+7.0	1.5+2.9+4.1	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.5+3.8+3.8	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	14.5	2.5+6.0+6.0	1.5+3.5+3.5	8.5 (2.70-9.50)	2630 (510-3350)	3.23	2.3+3.4+4.3	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	15.5	2.5+6.0+7.0	1.4+3.3+3.8	8.5 (2.70-9.50)	2630 (510-3350)	3.23	2.3+3.4+4.3	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	10.5	3.5+3.5+3.5	2.8+2.8+2.8	8.5 (2.70-9.50)	2630 (510-3320)	3.23	3.3+3.3+3.3	10.0 (2.90-11.5)	2680 (520-3330)	3.73
	11.2	3.5+3.5+4.2	2.7+2.7+3.2	8.5 (2.70-9.50)	2630 (510-3360)	3.23	3.1+3.1+3.8	10.0 (2.90-11.5)	2670 (520-3330)	3.75
	12.0	3.5+3.5+5.0	2.5+2.5+3.5	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.8+2.9+4.3	10.0 (2.90-11.5)	2690 (520-3330)	3.72
	13.0	3.5+3.5+6.0	2.3+2.3+3.9	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.7+2.7+4.6	10.0 (2.90-11.5)	2600 (520-3330)	3.85
	14.0	3.5+3.5+7.0	2.1+2.1+4.2	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.7+2.7+4.6	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	11.9	3.5+4.2+4.2	2.5+3.0+3.0	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.9+3.5+3.5	10.0 (2.90-11.5)	2670 (520-3330)	3.75
	12.7	3.5+4.2+5.0	2.4+2.8+3.3	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.7+3.3+4.0	10.0 (2.90-11.5)	2690 (520-3330)	3.72
	13.7	3.5+4.2+6.0	2.2+2.6+3.7	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.5+3.1+4.4	10.0 (2.90-11.5)	2600 (520-3330)	3.85
	14.7	3.5+4.2+7.0	2.0+2.4+4.0	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.5+3.1+4.4	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	13.5	3.5+5.0+5.0	2.2+3.2+3.2	8.5 (2.70-9.50)	2630 (510-3360)	3.23	2.5+3.8+3.8	10.0 (2.90-11.5)	2600 (520-3330)	3.85
	14.5	3.5+5.0+6.0	2.0+3.0+3.5	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.3+3.6+4.1	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	15.5	3.5+5.0+7.0	1.9+2.8+3.9	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.3+3.6+4.1	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	15.5	3.5+6.0+6.0	1.9+3.3+3.3	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.2+3.9+3.9	10.0 (2.90-11.5)	2780 (520-3330)	3.60
	12.6	4.2+4.2+4.2	2.8+2.9+2.9	8.5 (2.70-9.50)	2630 (510-3450)	3.23	3.3+3.4+3.4	10.0 (2.90-11.5)	2690 (520-3180)	3.72
	13.4	4.2+4.2+5.0	2.6+2.7+3.2	8.5 (2.70-9.50)	2630 (510-3450)	3.23	3.1+3.1+3.9	10.0 (2.90-11.5)	2600 (520-3180)	3.85
	14.4	4.2+4.2+6.0	2.4+2.5+3.6	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.9+2.9+4.2	10.0 (2.90-11.5)	2780 (520-3180)	3.60
	15.4	4.2+4.2+7.0	2.3+2.3+3.9	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.9+2.9+4.2	10.0 (2.90-11.5)	2780 (520-3180)	3.60
	14.2	4.2+5.0+5.0	2.5+3.0+3.0	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.9+2.9+4.2	10.0 (2.90-11.5)	2690 (520-3180)	3.72
	15.2	4.2+5.0+6.0	2.3+2.8+3.4	8.5 (2.70-9.50)	2630 (510-3450)	3.23	2.9+2.9+4.2	10.0 (2.90-11.5)	2780 (520-3180)	3.60
	15.0	5.0+5.0+5.0	2.8+2.8+2.8	8.5 (2.70-9.50)	2630 (510-3450)	3.23	3.3+3.3+3.3	10.0 (2.90-11.5)	2780 (520-3180)	3.60

RAM-G85N5HAE	COOLING MODE				HEATING MODE					
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
6.0	1.5+1.5+1.5+1.5	1.5+1.5+1.5+1.5	6.0 (2.90-6.50)	1600 (550-1620)	3.75	2.0+2.0+2.0+2.0	8.0 (3.0-8.50)	1750 (540-2652)	4.57	
6.3	1.5+1.5+1.5+1.8	1.5+1.5+1.5+1.8	6.3 (2.90-6.50)	2000 (550-1776)	3.15	2.0+2.0+2.0+2.5	8.5 (3.0-9.0)	1750 (540-2760)	4.86	
7.0	1.5+1.5+1.5+2.5	1.5+1.5+1.5+2.5	7.0 (2.90-7.50)	2000 (550-2136)	3.50	2.0+2.0+2.0+3.4	9.4 (3.0-9.9)	1800 (540-3036)	5.22	
8.0	1.5+1.5+1.5+3.5	1.5+1.5+1.5+3.5	8.0 (2.90-8.50)	2630 (550-2292)	3.04	1.9+1.9+1.9+4.2	10 (3.0-10.8)	2650 (540-3468)	3.77	
8.7	1.5+1.5+1.5+4.2	1.5+1.5+1.5+4.1	8.5 (2.90-8.50)	2630 (550-2292)	3.23	1.8+1.8+1.8+4.6	10 (3.0-11.5)	2650 (540-3360)	3.77	
9.5	1.5+1.5+1.5+5.0	1.3+1.3+1.3+4.5	8.5 (2.90-8.50)	2630 (550-3180)	3.23	1.6+1.6+1.6+5.2	10 (3.0-11.5)	2650 (540-3360)	3.77	
10.5	1.5+1.5+1.5+6.0	1.2+1.2+1.2+4.9	8.5 (2.90-8.50)	2630 (550-3180)	3.23	1.5+1.5+1.5+5.6	10 (3.0-11.5)	2630 (540-3360)	3.80	
11.5	1.5+1.5+1.5+7.0	1.1+1.1+1.1+5.2	8.5 (2.90-8.50)	2630 (550-3180)	3.23	1.5+1.5+1.5+5.6	10 (3.0-11.5)	2600 (540-3360)	3.85	
6.6	1.5+1.5+1.8+1.8	1.5+1.5+1.8+1.8	6.6 (2.90-7.10)	2000 (550-2100)	3.30	2.0+2.0+2.0+2.5	9.0 (3.0-9.5)	1750 (540-3048)	5.14	
7.3	1.5+1.5+1.8+2.5	1.5+1.5+1.8+2.5	7.3 (2.90-7.80)	2680 (550-2220)	2.72	2.0+2.0+2.0+3.4	9.9 (3.0-10.4)	2610 (540-3144)	3.79	
8.3	1.5+1.5+1.8+3.5	1.5+1.5+1.8+3.5	8.3 (2.90-8.80)	2630 (550-2616)	3.16	1.9+1.9+2.3+4.0	10 (3.0-11.3)	2650 (540-3468)	3.77	
9.0	1.5+1.5+1.8+4.2	1.4+1.4+1.7+4.0	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.7+1.7+2.1+4.4	10 (3.0-11.3)	2650 (540-3360)	3.77	
9.8	1.5+1.5+1.8+5.0	1.3+1.3+1.6+4.3	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.5+1.5+1.9+5.0	10 (3.0-11.5)	2650 (540-3360)	3.77	
10.8	1.5+1.5+1.8+6.0	1.2+1.2+1.4+4.7	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.4+1.4+1.8+5.4	10 (3.0-11.5)	2630 (540-3360)	3.80	
11.8	1.5+1.5+1.8+7.0	1.1+1.1+1.3+5.0	8.5 (2.90-8.50)	2630 (550-2580)	3.23	1.4+1.4+1.8+5.4	10 (3.0-11.3)	2600 (540-3420)	3.85	
8.0	1.5+1.5+2.5+2.5	1.5+1.5+2.5+2.5	8.0 (2.90-8.50)	2630 (550-2580)	3.04	1.9+1.9+3.1+3.1	10 (3.0-11.3)	2650 (540-3420)	3.77	
9.0	1.5+1.5+2.5+3.5	1.4+1.4+2.4+3.3	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.7+1.7+2.9+3.7	10 (3.0-11.5)	2650 (540-3360)	3.77	
9.7	1.5+1.5+2.5+4.2	1.3+1.3+2.2+3.7	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.6+1.6+2.7+4.1	10 (3.0-11.5)	2650 (540-3360)	3.77	
10.5	1.5+1.5+2.5+5.0	1.2+1.2+2.0+4.0	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.4+1.4+2.4+4.7	10 (3.0-11.5)	2630 (540-3360)	3.80	
11.5	1.5+1.5+2.5+6.0	1.1+1.1+1.8+4.4	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.3+1.3+2.3+5.0	10 (3.0-11.5)	2600 (540-3360)	3.85	
12.5	1.5+1.5+2.5+7.0	1.0+1.0+1.7+4.8	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.3+1.3+2.3+5.0	10 (3.0-11.3)	2690 (540-3480)	3.72	
10.0	1.5+1.5+3.5+3.5	1.3+1.3+3.0+3.0	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.6+1.6+3.4+3.4	10 (3.0-11.3)	2630 (540-3480)	3.80	
10.7	1.5+1.5+3.5+4.2	1.2+1.2+2.8+3.3	8.5 (2.90-8.50)	2630 (550-3210)	3.23	1.5+1.5+3.2+3.9	10 (3.0-11.3)	2630 (540-3360)	3.80	
11.5	1.5+1.5+3.5+5.0	1.1+1.1+2.6+3.7	8.5 (2.90-8.50)	2630 (550-3210)	3.23	1.4+1.4+2.9+4.4	10 (3.0-11.3)	2600 (540-3360)	3.85	
12.5	1.5+1.5+3.5+6.0	1.0+1.0+2.4+4.1	8.5 (2.90-8.50)	2630 (550-3210)	3.23	1.3+1.3+2.7+4.7	10 (3.0-11.3)	2690 (540-3360)	3.72	
13.5	1.5+1.5+3.5+7.0	0.9+0.9+2.2+4.4	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.3+1.3+2.7+4.7	10 (3.0-11.3)	2780 (540-3360)	3.60	
11.4	1.5+1.5+4.2+4.2	1.1+1.1+3.1+3.1	8.5 (2.90-8.50)	2630 (550-3120)	3.23	1.6+1.6+3.4+3.4	10 (3.0-11.3)	2600 (540-3360)	3.85	
12.2	1.5+1.5+4.2+5.0	1.0+1.0+2.9+3.5	8.5 (2.90-8.50)	2630 (550-3210)	3.23	1.5+1.5+3.2+3.9	10 (3.0-11.3)	2690 (540-3360)	3.72	
4 Unit	13.2	1.5+1.5+4.2+6.0	1.0+1.0+2.7+3.9	8.5 (2.9-8.50)	2630 (550-3210)	3.23	1.4+1.4+2.9+4.4	10 (3.0-11.3)	2600 (540-3360)	3.85
	14.2	1.5+1.5+4.2+7.0	0.9+0.9+2.5+4.2	8.5 (2.50-8.50)	2630 (550-3210)	3.23	1.4+1.4+2.9+4.4	10 (3.0-11.5)	278	

Combinations of Indoor units

4 Unit	14.3	1.5+1.8+5.0+6.0	0.9+1.1+3.0+3.6	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+1.5+3.2+4.0	10 (3.00-10.5)	2690 (540-3360)	3.72
	15.3	1.5+1.8+5.0+7.0	0.8+1.0+2.8+3.9	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+1.5+3.2+4.0	10 (3.00-10.5)	2780 (540-3360)	3.60
	15.3	1.5+1.8+6.0+6.0	0.8+1.0+3.3+3.3	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+1.4+3.7+3.7	10 (3.00-10.5)	2780 (540-3360)	3.60
	9.0	1.5+2.5+2.5+2.5	1.4+2.4+2.4+2.4	8.5 (2.50-8.50)	2630 (550-3132)	3.23	1.6+2.8+2.8+2.8	10 (3.0-11.5)	2650 (540-3360)	3.77
	10.0	1.5+2.5+2.5+3.5	1.3+2.1+2.1+3.0	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.5+2.6+2.6+3.3	10 (3.0-11.5)	2630 (540-3360)	3.80
	10.7	1.5+2.5+2.5+4.2	1.2+2.0+2.0+3.3	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.4+2.4+2.4+3.7	10 (3.0-11.5)	2630 (540-3360)	3.80
	11.5	1.5+2.5+2.5+5.0	1.1+1.8+1.8+3.7	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.3+2.2+2.2+4.2	10 (3.0-11.5)	2600 (540-3360)	3.85
	12.5	1.5+2.5+2.5+6.0	1.0+1.7+1.7+4.1	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.1+2.1+4.6	10 (3.0-11.5)	2690 (540-3360)	3.72
	13.5	1.5+2.5+2.5+7.0	0.9+1.6+1.6+4.4	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.1+2.1+4.6	10 (3.0-11.5)	2780 (540-3360)	3.60
	11.0	1.5+2.5+3.5+3.5	1.2+1.9+2.7+2.7	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.4+2.4+3.1+3.1	10 (3.0-11.5)	2600 (540-3360)	3.85
	11.7	1.5+2.5+3.5+4.2	1.1+1.8+2.5+3.1	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.3+2.3+2.9+3.5	10 (3.0-11.5)	2600 (540-3360)	3.85
	12.5	1.5+2.5+3.5+5.0	1.0+1.7+2.4+3.4	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.1+2.7+4.0	10 (3.0-11.5)	2690 (540-3360)	3.72
	13.5	1.5+2.5+3.5+6.0	0.9+1.6+2.2+3.8	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.0+2.5+4.4	10 (3.0-11.5)	2600 (540-3360)	3.85
	14.5	1.5+2.5+3.5+7.0	0.9+1.5+2.1+4.1	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.0+2.5+4.4	10 (3.0-11.5)	2780 (540-3360)	3.60
	12.4	1.5+2.5+4.2+4.2	1.0+1.7+2.9+2.9	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.3+2.2+3.3+3.3	10 (3.0-11.5)	2690 (540-3360)	3.72
	13.2	1.5+2.5+4.2+5.0	1.0+1.6+2.7+3.2	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.0+3.0+3.8	10 (3.0-11.5)	2600 (540-3360)	3.85
	14.2	1.5+2.5+4.2+6.0	0.9+1.5+2.5+3.6	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+1.9+2.9+4.1	10 (3.0-11.5)	2690 (540-3360)	3.72
	15.2	1.5+2.5+4.2+7.0	0.8+1.4+2.3+3.9	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+1.9+2.9+4.1	10 (3.0-11.5)	2780 (540-3360)	3.60
	14.0	1.5+2.5+5.0+5.0	0.9+1.5+3.0+3.0	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+1.8+3.5+3.5	10 (3.0-11.5)	2690 (540-3360)	3.72
	15.0	1.5+2.5+5.0+6.0	0.9+1.4+2.8+3.4	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.0+1.8+3.4+3.9	10 (3.0-11.5)	2780 (540-3360)	3.60
	12.0	1.5+3.5+3.5+3.5	1.1+2.5+2.5+2.5	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.3+2.9+2.9+2.9	10 (3.0-11.5)	2690 (540-3360)	3.72
	12.7	1.5+3.5+3.5+4.2	1.0+2.3+2.3+2.8	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.3+2.7+2.7+3.3	10 (3.0-11.5)	2690 (540-3360)	3.72
	13.5	1.5+3.5+3.5+5.0	0.9+2.2+2.2+3.1	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.5+2.5+3.8	10 (3.0-11.5)	2600 (540-3360)	3.85
	14.5	1.5+3.5+3.5+6.0	0.9+2.1+2.1+3.5	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+2.4+2.4+4.1	10 (3.0-11.5)	2780 (540-3360)	3.60
	15.5	1.5+3.5+3.5+7.0	0.8+1.9+1.9+3.8	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+2.4+2.4+4.1	10 (3.0-11.5)	2780 (540-3360)	3.60
	13.4	1.5+3.5+4.2+4.2	1.0+2.2+2.7+2.7	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.2+2.6+3.1+3.1	10 (3.0-11.5)	2600 (540-3360)	3.85
	14.2	1.5+3.5+4.2+ 5.0	0.9+2.1+2.5+3.0	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+2.4+2.9+3.6	10 (3.0-11.5)	2690 (540-3360)	3.72
	15.2	1.5+3.5+4.2+6.0	0.8+2.0+2.3+3.4	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+2.3+2.7+3.9	10 (3.0-11.5)	2780 (540-3360)	3.60
	15.0	1.5+3.5+5.0+5.0	0.9+2.0+2.8+2.8	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.0+2.2+3.4+3.4	10 (3.0-11.5)	2780 (540-3360)	3.60
	14.1	1.5+4.2+4.2+4.2	0.9+2.5+2.5+2.5	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+3.0+3.0+3.0	10 (3.0-11.5)	2690 (540-3360)	3.72
	14.9	1.5+4.2+4.2+5.0	0.9+2.4+2.4+2.9	8.5 (2.50-8.50)	2630 (550-3120)	3.23	1.1+2.8+2.8+3.4	10 (3.0-11.5)	2690 (540-3360)	3.72
	7.2	1.8+1.8+1.8+1.8	1.8+1.8+1.8+1.8	7.2 (2.90-7.90)	2680 (550-2292)	2.69	2.5+2.5+2.5+2.5	10 (3.0-10.9)	2610 (540-2720)	3.83
	7.9	1.8+1.8+1.8+2.5	1.8+1.8+1.8+2.5	7.9 (2.90-8.70)	2680 (550-3120)	2.95	2.3+2.3+2.3+3.1	10 (3.0-11.1)	2610 (540-3650)	3.83
	8.9	1.8+1.8+1.8+3.5	1.7+1.7+1.7+3.3	8.5 (2.90-9.50)	2630 (550-3120)	3.23	2.1+2.1+2.1+3.6	10 (3.0-11.4)	2650 (540-3650)	3.77
	9.6	1.8+1.8+1.8+4.2	1.6+1.6+1.6+3.7	8.5 (2.90-9.50)	2630 (550-3260)	3.23	2.0+2.0+2.0+4.1	10 (3.0-11.4)	2650 (540-3650)	3.77
	10.4	1.8+1.8+1.8+5.0	1.5+1.5+1.5+4.1	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.8+1.8+1.8+4.7	10 (3.0-11.4)	2630 (540-3650)	3.80
	11.4	1.8+1.8+1.8+6.0	1.3+1.3+1.3+4.5	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.7+1.7+1.7+5.0	10 (3.0-11.4)	2600 (540-3650)	3.85
	12.4	1.8+1.8+1.8+7.0	1.2+1.2+1.2+4.8	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.7+1.7+1.7+5.0	10 (3.0-11.4)	2690 (540-3650)	3.72
	8.6	1.8+1.8+2.5+2.5	1.8+1.8+2.5+2.5	8.5 (2.90-9.50)	2630 (550-3040)	3.23	2.1+2.1+2.9+2.9	10 (3.0-11.2)	2650 (540-3650)	3.77
	9.6	1.8+1.8+2.5+3.5	1.6+1.6+2.2+3.1	8.5 (2.90-9.50)	2630 (550-3260)	3.23	2.0+2.0+2.7+3.4	10 (3.0-11.4)	2650 (540-3650)	3.77
	10.3	1.8+1.8+2.5+4.2	1.5+1.5+2.1+3.5	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.8+1.8+2.5+3.8	10 (3.0-11.4)	2630 (540-3650)	3.80
	11.1	1.8+1.8+2.5+5.0	1.4+1.4+1.9+3.9	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.7+1.7+2.3+4.4	10 (3.0-11.4)	2600 (540-3650)	3.85
	12.1	1.8+1.8+2.5+6.0	1.3+1.3+1.7+4.3	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+1.6+2.1+4.8	10 (3.0-11.4)	2690 (540-3650)	3.72
	13.1	1.8+1.8+2.5+7.0	1.2+1.2+1.6+4.6	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+1.6+2.1+4.8	10 (3.0-11.4)	2600 (540-3650)	3.85
	10.6	1.8+1.8+3.5+3.5	1.4+1.4+2.8+2.8	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.8+1.8+3.2+3.2	10 (3.0-11.4)	2630 (540-3650)	3.80
	11.3	1.8+1.8+3.5+4.2	1.4+1.4+2.6+3.2	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.7+1.7+3.0+3.6	10 (3.0-11.4)	2600 (540-3650)	3.85
	12.1	1.8+1.8+3.5+5.0	1.3+1.3+2.5+3.5	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+1.6+2.7+4.1	10 (3.0-11.4)	2690 (540-3650)	3.72
	13.1	1.8+1.8+3.5+6.0	1.2+1.2+2.3+3.9	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+1.5+2.6+4.4	10 (3.0-11.6)	2600 (540-3650)	3.85
	14.1	1.8+1.8+3.5+7.0	1.1+1.1+2.1+4.2	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+1.5+2.6+4.4	10 (3.0-11.6)	2780 (540-3650)	3.60
	12.0	1.8+1.8+4.2+4.2	1.3+1.3+3.0+3.0	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.6+1.6+3.4+3.4	10 (3.0-11.6)	2690 (540-3650)	3.72
12.8	1.8+1.8+4.2+5.0	1.2+1.2+2.8+3.3	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.5+1.5+3.1+3.9	10 (3.0-11.6)	2690 (540-3650)	3.72	
13.8	1.8+1.8+4.2+6.0	1.1+1.1+2.6+3.7	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.4+1.4+2.9+4.2	10 (3.0-11.6)	2600 (540-3650)	3.85	
14.8	1.8+1.8+4.2+7.0	1.0+1.0+2.4+4.0	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.4+1.4+2.9+4.2	10 (3.0-11.6)	2780 (540-3650)	3.60	
13.6	1.8+1.8+5.0+5.0	1.1+1.1+3.1+3.1	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.4+1.4+3.6+3.6	10 (3.0-11.6)	2600 (540-3650)	3.85	
14.6	1.8+1.8+5.0+6.0	1.1+1.1+2.9+3.5	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.3+1.3+3.4+3.9	10 (3.0-12.1)	2780 (540-3650)	3.60	
9.3	1.8+2.5+2.5+2.5	1.7+2.3+2.3+2.3	8.5 (2.90-9.50)	2630 (550-3260)	3.23	2.0+2.7+2.7+2.6	10 (3.0-11.4)	2650 (540-3650)	3.77	
10.3	1.8+2.5+2.5+3.5	1.5+2.1+2.1+2.8	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.8+2.5+2.5+3.1	10 (3.0-11.4)	2630 (540-3650)	3.80	

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Combinations of Indoor units

4 Unit	11.0	1.8+2.5+2.5+4.2	1.4+1.9+1.9+3.2	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.7+2.3+2.3+3.6	10 (3.0-11.4)	2600 (540-3650)	3.85
	11.8	1.8+2.5+2.5+5.0	1.3+1.8+1.8+3.6	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+2.1+2.1+4.1	10 (3.0-11.4)	2600 (540-3650)	3.85
	12.8	1.8+2.5+2.5+6.0	1.2+1.7+1.7+4.0	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+2.0+2.0+4.5	10 (3.0-11.4)	2690 (540-3650)	3.72
	13.8	1.8+2.5+2.5+7.0	1.1+1.5+1.5+4.3	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+2.0+2.0+4.5	10 (3.0-11.4)	2600 (540-3650)	3.85
	11.3	1.8+2.5+3.5+3.5	1.3+1.9+2.6+2.6	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.7+2.4+3.0+3.0	10 (3.0-11.4)	2600 (540-3650)	3.85
	12.0	1.8+2.5+3.5+4.2	1.2+1.8+2.5+3.0	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+2.2+2.8+3.4	10 (3.0-11.4)	2690 (540-3650)	3.72
	12.8	1.8+2.5+3.5+5.0	1.2+1.7+2.3+3.3	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+2.0+2.6+3.9	10 (3.0-11.4)	2690 (540-3650)	3.72
	13.8	1.8+2.5+3.5+6.0	1.1+1.5+2.1+3.7	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.4+1.9+2.4+4.2	10 (3.0-11.4)	2600 (540-3650)	3.85
	14.8	1.8+2.5+3.5+7.0	1.1+1.4+2.0+4.0	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.4+1.9+2.4+4.2	10 (3.0-11.4)	2780 (540-3650)	3.60
	12.7	1.8+2.5+4.2+4.2	1.2+1.7+2.8+2.8	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.5+2.1+3.2+3.2	10 (3.0-11.5)	2690 (540-3650)	3.72
	13.5	1.8+2.5+4.2+5.0	1.2+1.6+2.6+3.1	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.4+1.9+3.0+3.7	10 (3.0-11.5)	2600 (540-3650)	3.85
	14.5	1.8+2.5+4.2+6.0	1.1+1.4+2.5+3.5	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.3+1.8+2.8+4.0	10 (3.0-11.5)	2780 (540-3650)	3.60
	15.5	1.8+2.5+4.2+7.0	1.0+1.4+2.3+3.8	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.3+1.8+2.8+4.0	10 (3.0-11.5)	2780 (540-3650)	3.60
	14.3	1.8+2.5+5.0+5.0	1.1+1.5+3.0+3.0	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.3+1.8+3.4+3.4	10 (3.0-11.5)	2690 (540-3650)	3.72
	15.3	1.8+2.5+5.0+6.0	1.0+1.4+2.8+3.3	8.5 (2.90-9.50)	2630 (550-3230)	3.23	1.3+1.7+3.3+3.8	10 (3.0-11.5)	2780 (540-3650)	3.60
	12.3	1.8+3.5+3.5+3.5	1.2+2.4+2.4+2.4	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+2.8+2.8+2.8	10 (3.0-11.5)	2690 (540-3650)	3.72
	13.0	1.8+3.5+3.5+4.2	1.1+2.3+2.3+2.8	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+2.6+2.6+3.2	10 (3.0-11.5)	2600 (540-3650)	3.85
	13.8	1.8+3.5+3.5+5.0	1.1+							

Combinations of Indoor units

RAM-G85NSHAE		COOLING MODE				HEATING MODE			
		IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP
7.5	1.5+1.5+1.5+1.5+1.5	1.5+1.5+1.5+1.5+1.5	7.5 (2.40-7.00)	2680 (500-1660)	2.80	2.0+2.0+2.0+2.0+2.0	10 (3.40-10.5)	2610 (610-3850)	3.83
7.8	1.5+1.5+1.5+1.5+1.8	1.5+1.5+1.5+1.5+1.8	7.8 (2.70-8.60)	2680 (500-1680)	2.91	1.9+1.9+1.9+1.9+2.4	10 (3.40-11.0)	2610 (610-3850)	3.83
8.5	1.5+1.5+1.5+1.5+2.5	1.5+1.5+1.5+1.5+2.5	8.5 (2.90-9.50)	2630 (550-2292)	3.23	1.8+1.8+1.8+1.8+3.0	10 (3.40-11.5)	2600 (610-3850)	3.85
9.5	1.5+1.5+1.5+1.5+3.5	1.3+1.3+1.3+1.3+3.1	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.6+1.6+1.6+1.6+3.5	10 (3.40-11.5)	2600 (610-3850)	3.85
10.2	1.5+1.5+1.5+1.5+4.2	1.3+1.3+1.3+1.3+3.5	8.5 (2.90-9.50)	2630 (550-3260)	3.23	1.5+1.5+1.5+1.5+3.9	10 (3.40-11.5)	2600 (610-3850)	3.85
11.0	1.5+1.5+1.5+1.5+5.0	1.2+1.2+1.2+1.2+3.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.4+1.4+1.4+4.5	10 (3.40-11.5)	2580 (610-3850)	3.88
12.0	1.5+1.5+1.5+1.5+6.0	1.1+1.1+1.1+1.1+4.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+1.3+4.8	10 (3.40-11.5)	2580 (610-3850)	3.88
13.0	1.5+1.5+1.5+1.5+7.0	1.0+1.0+1.0+1.0+4.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+1.3+4.8	10 (3.40-11.5)	2600 (610-3850)	3.85
8.1	1.5+1.5+1.5+1.8+1.8	1.5+1.1+1.5+1.8+1.8	8.5 (2.90-9.50)	2630 (550-2292)	3.08	1.8+1.8+1.8+2.3+2.3	10 (3.40-11.5)	2600 (610-3850)	3.85
8.8	1.5+1.5+1.5+1.8+2.5	1.4+1.4+1.4+1.7+2.4	8.5 (2.90-9.50)	2630 (550-2292)	3.23	1.7+1.7+1.7+2.1+2.9	10 (3.40-11.5)	2600 (610-3850)	3.85
9.8	1.5+1.5+1.5+1.8+3.5	1.3+1.3+1.3+1.6+3.0	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.6+1.6+1.6+2.0+3.4	10 (3.40-11.5)	2600 (610-3850)	3.85
10.5	1.5+1.5+1.5+1.8+4.2	1.2+1.2+1.2+1.5+3.4	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.5+1.5+1.5+1.8+3.8	10 (3.40-11.5)	2600 (610-3850)	3.85
11.3	1.5+1.5+1.5+1.8+5.0	1.1+1.1+1.1+1.4+3.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+1.7+4.3	10 (3.40-11.5)	2580 (610-3850)	3.88
12.3	1.5+1.5+1.5+1.8+6.0	1.0+1.0+1.0+1.2+4.1	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+1.6+4.7	10 (3.40-11.5)	2580 (610-3850)	3.88
13.3	1.5+1.5+1.5+1.8+7.0	1.0+1.0+1.0+1.2+4.5	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+1.6+4.7	10 (3.40-11.5)	2600 (610-3850)	3.85
9.5	1.5+1.5+1.5+2.5+2.5	1.3+1.3+1.3+2.2+2.2	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.6+1.6+1.6+2.7+2.7	10 (3.40-11.5)	2600 (610-3850)	3.85
10.5	1.5+1.5+1.5+2.5+3.5	1.2+1.2+1.2+2.0+2.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.5+1.5+1.5+2.5+3.1	10 (3.40-11.5)	2600 (610-3850)	3.85
11.2	1.5+1.5+1.5+2.5+4.2	1.1+1.1+1.1+1.9+3.2	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.4+1.4+2.3+3.6	10 (3.40-11.5)	2580 (610-3850)	3.88
12.0	1.5+1.5+1.5+2.5+5.0	1.1+1.1+1.1+1.8+3.5	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+2.1+4.1	10 (3.40-11.5)	2580 (610-3850)	3.88
13.0	1.5+1.5+1.5+2.5+6.0	1.0+1.0+1.0+1.6+3.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.2+2.0+4.4	10 (3.40-11.5)	2600 (610-3850)	3.85
14.0	1.5+1.5+1.5+2.5+7.0	0.9+0.9+0.9+1.5+4.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.2+2.0+4.4	10 (3.40-11.5)	2690 (610-3850)	3.72
11.5	1.5+1.5+1.5+3.5+3.5	1.1+1.1+1.1+2.6+2.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.4+1.4+2.9+2.9	10 (3.40-11.5)	2580 (610-3850)	3.88
12.2	1.5+1.5+1.5+3.5+4.2	1.0+1.0+1.0+2.4+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.3+2.8+3.4	10 (3.40-11.5)	2580 (610-3850)	3.88
13.0	1.5+1.5+1.5+3.5+5.0	1.0+1.0+1.0+2.3+3.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.2+2.6+3.9	10 (3.40-11.5)	2600 (610-3850)	3.85
14.0	1.5+1.5+1.5+3.5+6.0	0.9+0.9+0.9+2.1+3.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.1+2.4+4.2	10 (3.40-11.5)	2690 (610-3850)	3.72
15.0	1.5+1.5+1.5+3.5+7.0	0.9+0.9+0.9+2.0+4.0	8.5 (2.90-9.50)	2800 (550-3650)	3.04	1.1+1.1+1.1+2.4+4.2	10 (3.40-11.5)	2780 (610-3850)	3.60
12.9	1.5+1.5+1.5+4.2+4.2	1.0+1.0+1.0+2.8+2.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.2+3.2+3.2	10 (3.40-11.5)	2580 (610-3850)	3.88
13.7	1.5+1.5+1.5+4.2+5.0	0.9+0.9+0.9+2.6+3.1	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.1+2.9+3.7	10 (3.40-11.5)	2600 (610-3850)	3.85
14.7	1.5+1.5+1.5+4.2+6.0	0.9+0.9+0.9+2.4+3.5	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.1+2.8+4.0	10 (3.40-11.5)	2780 (610-3850)	3.60
14.5	1.5+1.5+1.5+5.0+5.0	0.9+0.9+0.9+2.9+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.1+3.4+3.4	10 (3.40-11.5)	2690 (610-3850)	3.72
15.5	1.5+1.5+1.5+5.0+6.0	0.8+0.8+0.8+2.7+3.3	8.5 (2.90-9.50)	2630 (550-3650)	3.04	1.0+1.0+1.0+3.3+3.8	10 (3.40-11.5)	2780 (610-3850)	3.60
8.4	1.5+1.5+1.8+1.8+1.8	1.5+1.5+1.8+1.8+1.8	8.4 (2.90-9.50)	2630 (550-2292)	3.19	1.7+1.7+2.2+2.2+2.2	10 (3.40-11.5)	2600 (610-3850)	3.85
9.1	1.5+1.5+1.8+1.8+2.5	1.4+1.4+1.7+1.7+2.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.6+1.6+2.0+2.0+2.7	10 (3.40-11.5)	2600 (610-3850)	3.85
10.1	1.5+1.5+1.8+1.8+3.5	1.3+1.3+1.5+1.5+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.5+1.5+1.9+1.9+3.2	10 (3.40-11.5)	2600 (610-3850)	3.85
10.8	1.5+1.5+1.8+1.8+4.2	1.2+1.2+1.4+1.4+3.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.4+1.8+1.8+3.7	10 (3.40-11.5)	2600 (610-3850)	3.85
11.6	1.5+1.5+1.8+1.8+5.0	1.1+1.1+1.3+1.3+3.7	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.6+1.6+4.2	10 (3.40-11.5)	2580 (610-3850)	3.88
12.6	1.5+1.5+1.8+1.8+6.0	1.0+1.0+1.2+1.2+4.0	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.5+1.5+4.5	10 (3.40-11.5)	2580 (610-3850)	3.88
13.6	1.5+1.5+1.8+1.8+7.0	0.9+0.9+1.1+1.1+4.4	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.5+1.5+4.5	10 (3.40-11.5)	2780 (610-3850)	3.60
9.8	1.5+1.5+1.8+2.5+2.5	1.3+1.3+1.6+2.2+2.2	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.5+1.5+1.9+2.6+2.6	10 (3.40-11.5)	2600 (610-3850)	3.85
10.8	1.5+1.5+1.8+2.5+3.5	1.2+1.2+1.4+2.0+2.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.4+1.8+2.4+3.0	10 (3.40-11.5)	2600 (610-3850)	3.85
11.5	1.5+1.5+1.8+2.5+4.2	1.1+1.1+1.3+1.8+3.1	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.7+2.3+3.4	10 (3.40-11.5)	2580 (610-3850)	3.88
12.3	1.5+1.5+1.8+2.5+5.0	1.0+1.0+1.2+1.7+3.5	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.5+2.1+4.0	10 (3.40-11.5)	2580 (610-3850)	3.88
13.3	1.5+1.5+1.8+2.5+6.0	1.0+1.0+1.2+1.6+3.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.4+2.0+4.3	10 (3.40-11.5)	2600 (610-3850)	3.85
14.3	1.5+1.5+1.8+2.5+7.0	0.9+0.9+1.1+1.5+4.2	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.4+2.0+4.3	10 (3.40-11.5)	2690 (610-3850)	3.72
11.8	1.5+1.5+1.8+3.5+3.5	1.1+1.1+1.3+2.5+2.5	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.7+2.8+2.8	10 (3.40-11.5)	2580 (610-3850)	3.88
12.5	1.5+1.5+1.8+3.5+4.2	1.0+1.0+1.2+2.4+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+1.6+2.7+3.3	10 (3.40-11.5)	2580 (610-3850)	3.88
14.3	1.5+1.5+1.8+3.5+6.0	0.9+0.9+1.1+2.1+3.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.4+2.3+4.1	10 (3.40-11.5)	2690 (610-3850)	3.72
13.2	1.5+1.5+1.8+4.2+4.2	1.0+1.0+1.2+2.7+2.7	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+1.5+3.1+3.1	10 (3.40-11.5)	2600 (610-3850)	3.85
15.0	1.5+1.5+1.8+4.2+6.0	0.9+0.9+1.0+2.4+3.4	8.5 (2.90-9.50)	2800 (550-3650)	3.04	1.0+1.0+1.3+2.7+3.9	10 (3.40-11.5)	2780 (610-3850)	3.60
10.5	1.5+1.5+2.5+2.5+2.5	1.2+1.2+2.0+2.0+2.0	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.4+2.4+2.4+2.4	10 (3.40-11.5)	2600 (610-3850)	3.85
11.5	1.5+1.5+2.5+2.5+3.5	1.1+1.1+1.8+1.8+2.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+2.3+2.3+2.8	10 (3.40-11.5)	2580 (610-3850)	3.88
12.2	1.5+1.5+2.5+2.5+4.2	1.0+1.0+1.7+1.7+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+2.1+2.1+3.3	10 (3.40-11.5)	2580 (610-3850)	3.88
13.0	1.5+1.5+2.5+2.5+5.0	1.0+1.0+1.6+1.6+3.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+2.0+2.0+3.8	10 (3.40-11.5)	2650 (610-3850)	3.77
14.0	1.5+1.5+2.5+2.5+6.0	0.9+0.9+1.5+1.5+3.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.9+1.9+4.1	10 (3.40-11.5)	2690 (610-3850)	3.72
15.0	1.5+1.5+2.5+2.5+7.0	0.9+0.9+1.4+1.4+4.0	8.5 (2.90-9.50)	2800 (550-3650)	3.04	1.1+1.1+1.9+1.9+4.1	10 (3.40-11.5)	2780 (610-3850)	3.60
12.5	1.5+1.5+2.5+3.5+3.5	1.0+1.0+1.7+2.4+2.4	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.3+1.3+2.1+2.7+2.7	10 (3.40-11.5)	2580 (610-3850)	3.88
13.2	1.5+1.5+2.5+3.5+4.2	1.0+1.0+1.6+2.3+2.7	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+2.0+2.5+3.1	10 (3.40-11.5)	2650 (610-3850)	3.77

Combinations of Indoor units

14.0	1.5+1.5+2.5+3.5+5.0	0.9+0.9+1.5+2.1+3.0	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.9+2.4+3.6	10 (3.40-11.5)	2690 (610-3850)	3.72
15.0	1.5+1.5+2.5+3.5+6.0	0.9+0.9+1.4+2.0+3.4	8.5 (2.90-9.50)	2630 (550-3650)	3.04	1.0+1.0+1.8+2.2+3.9	10 (3.40-11.5)	2780 (610-3850)	3.60
13.9	1.5+1.5+2.5+4.2+4.2	0.9+0.9+1.5+2.6+2.6	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+1.9+2.9+2.9	10 (3.40-11.5)	2650 (610-3850)	3.77
14.7	1.5+1.5+2.5+4.2+5.0	0.9+0.9+1.4+2.4+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.0+1.0+1.8+2.7+3.4	10 (3.40-11.5)	2690 (610-3850)	3.72
15.5	1.5+1.5+2.5+5.0+5.0	0.8+0.8+1.4+2.7+2.7	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.0+1.0+1.7+3.2+3.2	10 (3.40-11.5)	2780 (610-3850)	3.60
13.5	1.5+1.5+3.5+3.5+3.5	0.9+0.9+2.2+2.2+2.2	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.2+1.2+2.5+2.5+2.5	10 (3.40-11.5)	2650 (610-3850)	3.77
14.2	1.5+1.5+3.5+3.5+4.2	0.9+0.9+2.1+2.1+2.5	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.1+1.1+2.4+2.4+2.9	10 (3.40-11.5)	2690 (610-3850)	3.72
15.0	1.5+1.5+3.5+3.5+5.0	0.9+0.9+2.0+2.0+2.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.0+1.0+2.3+2.3+3.4	10 (3.40-11.5)	2780 (610-3850)	3.60
14.9	1.5+1.5+3.5+4.2+4.2	0.9+0.9+2.0+2.4+2.4	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.0+1.0+2.3+2.3+3.4	10 (3.40-11.5)	2690 (610-3850)	3.72
8.7	1.5+1.8+1.8+1.8+1.8	1.5+1.8+1.8+1.8+1.8	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.7+2.1+2.1+2.1+2.1	10 (3.40-11.5)	2600 (610-3850)	3.85
9.4	1.5+1.8+1.8+1.8+2.5	1.4+1.6+1.6+1.6+2.3	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.6+1.9+1.9+1.9+2.6	10 (3.40-11.5)	2600 (610-3850)	3.85
10.4	1.5+1.8+1.8+1.8+3.5	1.2+1.5+1.5+1.5+2.9	8.5 (2.90-9.50)	2630 (550-3650)	3.23	1.4+1.			

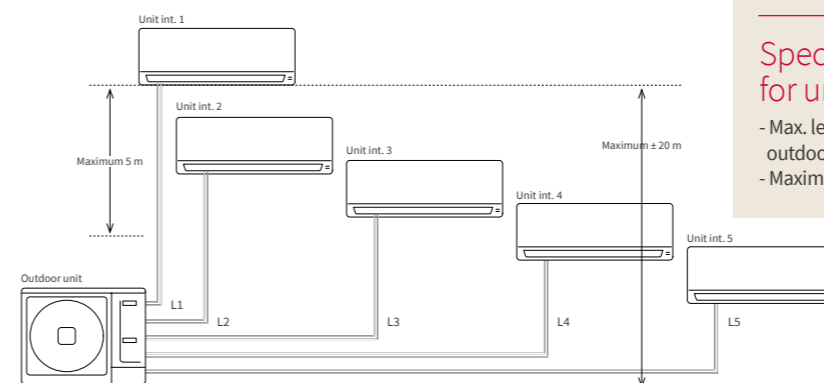
Combinations of Indoor units

	9.0	1.8+1.8+1.8+1.8+1.8	1.7+1.7+1.7+1.7+1.7	8.5 (2.90-9.50)	2630 (600-3850)	3.23	2.0+2.0+2.0+2.0+2.0	10 (3.40-11.5)	2600 (610-3850)	3.85
	9.7	1.8+1.8+1.8+1.8+2.5	1.6+1.6+1.6+1.6+2.2	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.9+1.9+1.9+1.9+2.5	10 (3.40-11.5)	2600 (610-3850)	3.85
	10.7	1.8+1.8+1.8+1.8+3.5	1.4+1.4+1.4+1.4+2.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.7+1.7+1.7+1.7+3.0	10 (3.40-11.5)	2600 (610-3850)	3.85
	11.4	1.8+1.8+1.8+1.8+4.2	1.3+1.3+1.3+1.3+3.1	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+1.6+1.6+1.6+3.4	10 (3.40-11.5)	2580 (610-3850)	3.88
	12.2	1.8+1.8+1.8+1.8+5.0	1.3+1.3+1.3+1.3+3.5	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.5+1.5+1.5+1.5+3.9	10 (3.40-11.5)	2580 (610-3850)	3.88
	13.2	1.8+1.8+1.8+1.8+6.0	1.2+1.2+1.2+1.2+3.9	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+1.4+4.3	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.2	1.8+1.8+1.8+1.8+7.0	1.1+1.1+1.1+1.1+4.2	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+1.4+4.3	10 (3.40-11.5)	2690 (610-3850)	3.72
	10.4	1.8+1.8+1.8+2.5+2.5	1.5+1.5+1.5+2.0+2.0	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.7+1.7+1.7+2.4+2.4	10 (3.40-11.5)	2600 (610-3850)	3.85
	11.4	1.8+1.8+1.8+2.5+3.5	1.3+1.3+1.3+1.9+2.6	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+1.6+1.6+2.2+2.8	10 (3.40-11.5)	2580 (610-3850)	3.88
	12.1	1.8+1.8+1.8+2.5+4.2	1.3+1.3+1.3+1.8+3.0	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+1.6+1.6+2.1+3.2	10 (3.40-11.5)	2580 (610-3850)	3.88
	12.9	1.8+1.8+1.8+2.5+5.0	1.2+1.2+1.2+1.6+3.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+2.0+3.7	10 (3.40-11.5)	2580 (610-3850)	3.88
	13.9	1.8+1.8+1.8+2.5+6.0	1.1+1.1+1.1+1.5+3.7	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+1.8+4.1	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.9	1.8+1.8+1.8+2.5+7.0	1.0+1.0+1.0+1.4+4.0	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+1.8+4.1	10 (3.40-11.5)	2690 (610-3850)	3.72
	12.4	1.8+1.8+1.8+3.5+3.5	1.2+1.2+1.2+2.4+2.4	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+1.6+1.6+2.7+2.7	10 (3.40-11.5)	2580 (610-3850)	3.88
	13.1	1.8+1.8+1.8+3.5+4.2	1.2+1.2+1.2+2.3+2.7	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.5+1.5+1.5+2.5+3.1	10 (3.40-11.5)	2650 (610-3850)	3.77
	13.9	1.8+1.8+1.8+3.5+5.0	1.1+1.1+1.1+2.1+3.1	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+2.3+3.6	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.9	1.8+1.8+1.8+3.5+6.0	1.0+1.0+1.0+2.0+3.4	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+2.3+3.6	10 (3.40-11.5)	2690 (610-3850)	3.72
	13.8	1.8+1.8+1.8+4.2+4.2	1.1+1.1+1.1+2.6+2.6	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.4+2.9+2.9	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.6	1.8+1.8+1.8+4.2+5.0	1.0+1.0+1.0+2.4+2.9	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+1.3+2.7+3.4	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.4	1.8+1.8+1.8+5.0+5.0	1.0+1.0+1.0+2.8+2.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+1.3+2.7+3.4	10 (3.40-11.5)	2780 (610-3850)	3.60
	11.1	1.8+1.8+2.5+2.5+2.5	1.4+1.4+1.9+1.9+1.9	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+1.6+2.2+2.2+2.2	10 (3.40-11.5)	2580 (610-3850)	3.88
	12.1	1.8+1.8+2.5+2.5+3.5	1.3+1.3+1.8+1.8+2.5	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+1.6+2.1+2.1+2.7	10 (3.40-11.5)	2580 (610-3850)	3.88
	12.8	1.8+1.8+2.5+2.5+4.2	1.2+1.2+1.7+1.7+2.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.5+1.5+2.0+2.0+3.1	10 (3.40-11.5)	2580 (610-3850)	3.88
	13.6	1.8+1.8+2.5+2.5+5.0	1.1+1.1+1.6+1.6+3.1	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.9+1.9+3.6	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.6	1.8+1.8+2.5+2.5+6.0	1.0+1.0+1.5+1.5+3.5	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+1.8+1.8+3.9	10 (3.40-11.5)	2690 (610-3850)	3.72
5 Unit	13.1	1.8+1.8+2.5+3.5+3.5	1.2+1.2+1.6+2.3+2.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.5+1.5+2.0+2.5+2.5	10 (3.40-11.5)	2650 (610-3850)	3.77
	13.8	1.8+1.8+2.5+3.5+4.2	1.1+1.1+1.5+2.2+2.6	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+1.9+2.4+2.9	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.6	1.8+1.8+2.5+3.5+5.0	1.0+1.0+1.5+2.0+2.9	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+1.8+2.2+3.4	10 (3.40-11.5)	2690 (610-3850)	3.72
	14.5	1.8+1.8+2.5+4.2+4.2	1.1+1.1+1.5+2.5+2.5	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+1.8+2.8+2.8	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.3	1.8+1.8+2.5+4.2+5.0	1.0+1.0+1.4+2.3+2.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+1.8+2.8+2.8	10 (3.40-11.5)	2780 (610-3850)	3.60
	14.1	1.8+1.8+3.5+3.5+3.5	1.1+1.1+2.1+2.1+2.1	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.4+2.4+2.4+2.4	10 (3.40-11.5)	2690 (610-3850)	3.72
	14.8	1.8+1.8+3.5+3.5+4.2	1.0+1.0+2.0+2.0+2.4	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+2.3+2.3+2.8	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.5	1.8+1.8+3.5+4.2+4.2	1.0+1.0+1.9+2.3+2.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.3+2.3+2.3+2.8	10 (3.40-11.5)	2780 (610-3850)	3.60
	11.8	1.8+2.5+2.5+2.5+2.5	1.3+1.8+1.8+1.8+1.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.6+2.1+2.1+2.1+2.1	10 (3.40-11.5)	2580 (610-3850)	3.88
	12.8	1.8+2.5+2.5+2.5+3.5	1.2+1.7+1.7+1.7+2.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.5+2.0+2.0+2.0+2.5	10 (3.40-11.5)	2580 (610-3850)	3.88
	13.5	1.8+2.5+2.5+2.5+4.2	1.1+1.6+1.6+1.6+2.6	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.9+1.9+1.9+2.9	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.3	1.8+2.5+2.5+2.5+5.0	1.1+1.5+1.5+1.5+3.0	8.5 (2.90-9.50)	2630 (600-3850)	3.23	6.0+0.8+0.8+0.8+1.6	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.3	1.8+2.5+2.5+2.5+6.0	1.0+1.4+1.4+1.4+3.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.2+1.7+1.7+1.7+3.7	10 (3.40-11.5)	2780 (610-3850)	3.60
	13.8	1.8+2.5+2.5+3.5+3.5	1.1+1.5+1.5+2.2+2.2	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.4+1.9+1.9+2.4+2.4	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.5	1.8+2.5+2.5+3.5+4.2	1.1+1.5+1.5+2.1+2.5	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.8+1.8+2.3+2.8	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.3	1.8+2.5+2.5+3.5+5.0	1.0+1.4+1.4+1.9+2.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.2+1.7+1.7+2.1+3.2	10 (3.40-11.5)	2780 (610-3850)	3.60
	15.2	1.8+2.5+2.5+4.2+4.2	1.0+1.4+1.4+2.3+2.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.7+1.7+2.6+2.6	10 (3.40-11.5)	2690 (610-3850)	3.72
	14.8	1.8+2.5+3.5+3.5+3.5	1.0+1.4+2.0+2.0+2.0	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.8+2.3+2.3+2.3	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.5	1.8+2.5+3.5+3.5+4.2	1.0+1.4+1.9+1.9+2.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.3+1.7+2.2+2.2+2.6	10 (3.40-11.5)	2780 (610-3850)	3.60
	12.5	2.5+2.5+2.5+2.5+2.5	1.7+1.7+1.7+1.7+1.7	8.5 (2.90-9.50)	2630 (600-3850)	3.23	2.0+2.0+2.0+2.0+2.0	10 (3.40-11.5)	2580 (610-3850)	3.88
	13.5	2.5+2.5+2.5+2.5+3.5	1.6+1.6+1.6+1.6+2.2	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.9+1.9+1.9+1.9+2.4	10 (3.40-11.5)	2650 (610-3850)	3.77
	14.2	2.5+2.5+2.5+2.5+4.2	1.5+1.5+1.5+1.5+2.5	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.8+1.8+1.8+1.8+2.8	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.0	2.5+2.5+2.5+2.5+5.0	1.4+1.4+1.4+1.4+2.8	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.7+1.7+1.7+1.7+3.2	10 (3.40-11.5)	2780 (610-3850)	3.60
	14.5	2.5+2.5+2.5+3.5+3.5	1.5+1.5+1.5+2.1+2.1	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.8+1.8+1.8+2.3+2.3	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.2	2.5+2.5+2.5+3.5+4.2	1.4+1.4+1.4+2.0+2.3	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.7+1.7+1.7+2.2+2.6	10 (3.40-11.5)	2690 (610-3850)	3.72
	15.5	2.5+2.5+2.5+3.5+5.0	1.4+1.4+1.9+1.9+1.9	8.5 (2.90-9.50)	2630 (600-3850)	3.23	1.7+1.7+2.2+2.2+2.2	10 (3.40-11.5)	2780 (610-3850)	3.60

RAM-G110N5HAE - Installation

Piping lengths RAM-G110N5HAE :

Indoor unit 1 + Indoor unit 2 + Indoor unit 3 + Indoor unit 4 + Indoor unit 5 = **Max. 75 m**



Installation Specifications of the outdoor Unit RAM-G110N5HAE

- Pre-loaded for **30 m**.
- Charge additional 13 g/m of refrigerant for piping lengths above **30 m**.
- Always connect the larger Indoor unit to the lowest piping connection.

Specific Installation requirements for units

- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

RAM-G110N5HAE	COOLING MODE					HEATING MODE					
	IU capacity (kW)		Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)		Total capacity (kW)	Total power input (W)	COP	
1 Unit*	1.5	1.5	1.5	1.5 (1.0-1.6)	460 (320-480)	3.26	2.0	2.0 (1.5-2.2)	610 (360-850)	3.28	
	1.8	1.8	1.8	1.8 (1.7-2.0)	560 (320-610)	3.21	2.5	2.5 (2.0-3.0)	1000 (360-1100)	2.50	
	2.5	2.5	2.5	2.5 (1.7-2.8)	830 (320-860)	3.01	3.4	3.4 (2.0-4.0)	1430 (360-1600)	2.38	
	3.5	3.5	3.5	3.5 (1.7-3.9)	1200 (320-1270)	2.92	4.3	4.3 (2.0-5.2)	1620 (360-1820)	2.65	
	4.2	4.2	4.2	4.2 (1.7-4.6)	1400 (320-1560)	3.00	5.2	5.2 (2.0-6.5)	2000 (360-2240)	2.60	
	5.0	5.0	5.0	5.0 (1.7-5.5)	1600 (320-1860)	3.13	6.5	6.5 (2.0-7.3)	2300 (360-2580)	2.83	
	6.0	6.0	6.0	6.0 (1.7-6.6)	1850 (320-2100)	3.24	7.5	7.5 (2.0-8.2)	2350 (360-2950)	3.19	
	7.0	7.0	7.0	7.0 (1.7-7.7)	1900 (320-2100)	3.68	8.2	8.0 (2.0-9.0)	2400 (360-2950)	3.42	
	2 Unit	3.0	1.5+1.5	1.5+1.5	3.00 (2.4-3.5)	900 (500-1020)	3.33	2.0+2.0	4.00 (2.7-4.7)	1100 (500-1300)	3.64
		3.3	1.5+1.8	1.5+1.8	3.30 (2.4-3.8)	980 (500-1140)	3.37	2.0+2.5	4.50 (2.7-5.2)	1350 (500-1550)	3.33
4.0		1.5+2.5	1.5+2.5	4.00 (2.4-4.5)	1200 (500-1500)	3.33	2.0+3.4	5.40 (2.7-6.1)	1500 (500-1700)	3.60	
5.0		1.5+3.5	1.5+3.5	5.00 (2.4-5.5)	1600 (500-1860)	3.13	2.0+4.3	7.30 (2.7-7.0)	1750 (500-2060)	3.60	
5.7		1.5+4.2	1.5+4.2	5.70 (2.4-6.2)	1950 (500-2050)	2.92	2.0+5.2	7.20 (2.7-7.9)	2050 (500-2560)	3.51	
6.5		1.5+5.0	1.5+5.0	6.50 (2.4-7.0)	2250 (500-2520)	2.89	2.0+6.5	8.50 (2.7-9.2)	2800 (500-3000)	3.04	
7.5		1.5+6.0	1.5+6.0	7.50 (2.4-8.0)	2400 (500-2520)	3.13	2.0+7.5	9.50 (2.7-10.2)	2800 (500-3000)	3.39	
8.5		1.5+7.0	1.5+7.0	8.50 (2.4-9.0)	2400 (500-2520)	3.54	2.0+8.2	10.20 (2.7-10.9)	2800 (500-3000)	3.64	
3.6		1.8+1.8	1.8+1.8	3.60 (2.4-4.0)	1050 (500-1160)	3.43	2.5+2.5	5.00 (2.7-5.7)	1500 (500-1710)	3.33	
4.3		1.8+2.5	1.8+2.5	4.30 (2.4-4.7)	1290 (500-1590)	3.33	2.5+3.4	5.90 (2.7-6.6			

Combinations of Indoor units

RAM-G110NSHAE		COOLING MODE				HEATING MODE			
		IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP
4.5	1.5+1.5+1.5	1.5+1.5+1.5	4.50 (2.7-5.0)	1300 (510-1500)	3.46	2.0+2.0+2.0	6.00 (2.9-6.7)	1500 (520-1850)	4.00
4.8	1.5+1.5+1.8	1.5+1.5+1.8	4.80 (2.7-5.30)	1340 (510-1620)	3.58	2.0+2.0+2.5	6.50 (2.9-7.2)	1600 (520-2160)	4.06
5.5	1.5+1.5+2.5	1.5+1.5+2.5	5.50 (2.7-6.0)	1450 (510-1980)	3.79	2.0+2.0+3.4	7.40 (2.9-8.1)	1840 (520-2400)	4.02
6.5	1.5+1.5+3.5	1.5+1.5+3.5	6.50 (2.7-7.0)	1700 (510-2670)	3.82	2.0+2.0+4.3	8.30 (2.9-9.0)	2230 (520-2900)	3.72
7.2	1.5+1.5+4.2	1.5+1.5+4.2	7.20 (2.7-8.0)	1980 (510-2670)	3.64	2.0+2.0+5.2	9.20 (2.9-9.9)	2540 (520-2900)	3.62
8.0	1.5+1.5+5.0	1.5+1.5+5.0	8.00 (2.7-8.50)	2370 (510-2870)	3.38	2.0+2.0+6.5	10.50 (2.9-11.2)	2850 (520-3450)	3.68
9.0	1.5+1.5+6.0	1.5+1.5+6.0	9.00 (2.7-9.50)	2900 (510-3470)	3.10	2.0+2.0+7.5	11.50 (2.9-12.2)	3170 (520-3450)	3.63
10.0	1.5+1.5+7.0	1.5+1.5+7.0	10.00 (2.7-10.50)	3450 (510-3670)	2.90	1.89+2.36+7.75	12.00 (2.9-12.7)	3170 (520-3450)	3.79
5.1	1.5+1.8+1.8	1.5+1.8+1.8	5.10 (2.7-5.60)	1380 (510-1620)	3.70	2.0+2.5+2.5	7.00 (2.9-7.7)	1700 (520-2280)	4.12
5.8	1.5+1.8+2.5	1.5+1.8+2.5	5.80 (2.7-6.30)	1470 (510-1820)	3.95	2.0+2.5+3.4	7.90 (2.9-8.6)	1930 (520-2600)	4.09
6.8	1.5+1.8+3.5	1.5+1.8+3.5	6.80 (2.7-7.30)	1820 (510-2900)	3.74	2.0+2.5+4.3	8.80 (2.9-9.5)	2360 (520-3030)	3.73
7.5	1.5+1.8+4.2	1.5+1.8+4.2	7.50 (2.7-8.0)	2100 (510-2900)	3.57	2.0+2.5+5.2	9.70 (2.9-10.4)	2680 (520-3030)	3.62
8.3	1.5+1.8+5.0	1.5+1.8+5.0	8.30 (2.7-9.10)	2500 (510-2900)	3.32	2.0+2.5+6.5	11.00 (2.9-11.7)	2940 (520-3690)	3.74
9.3	1.5+1.8+6.0	1.5+1.8+6.0	9.30 (2.7-10.20)	3050 (510-3450)	3.05	2.0+2.5+7.5	12.00 (2.9-12.7)	3270 (520-3690)	3.67
10.3	1.5+1.8+7.0	1.46+1.75+6.79	10.00 (2.7-10.97)	3450 (510-3450)	2.90	1.89+2.36+7.75	12.00 (2.9-12.7)	3270 (520-3690)	3.67
6.5	1.5+2.5+2.5	1.5+2.5+2.5	6.50 (2.7-7.0)	1700 (510-2520)	3.82	2.0+3.4+3.4	8.80 (2.9-9.5)	2230 (520-3030)	3.95
7.5	1.5+2.5+3.5	1.5+2.5+3.5	7.50 (2.7-8.30)	2100 (510-3090)	3.57	2.0+3.4+4.3	9.70 (2.9-10.4)	2680 (520-3030)	3.62
8.2	1.5+2.5+4.2	1.5+2.5+4.2	8.20 (2.7-8.70)	2480 (510-3090)	3.31	2.0+3.4+5.2	10.60 (2.9-11.3)	2910 (520-3030)	3.64
9.0	1.5+2.5+5.0	1.5+2.5+5.0	9.00 (2.7-9.90)	2900 (510-3360)	3.10	2.0+3.4+6.5	11.90 (2.9-12.6)	3170 (520-3690)	3.75
10.0	1.5+2.5+6.0	1.5+2.5+6.0	10.00 (2.7-11.0)	3450 (510-3690)	2.90	1.86+3.16+6.98	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.0	1.5+2.5+7.0	1.36+2.27+6.37	10.00 (2.7-11.0)	3550 (510-3690)	2.82	1.76+3.0+7.24	12.00 (2.9-12.7)	3500 (520-3690)	3.43
8.5	1.5+3.5+3.5	1.5+3.5+3.5	8.50 (2.7-9.40)	2640 (510-3690)	3.22	2.0+4.3+4.3	10.60 (2.9-11.3)	3000 (520-3360)	3.53
9.2	1.5+3.5+4.2	1.5+3.5+4.2	9.20 (2.7-10.10)	3000 (510-3690)	3.07	2.0+4.3+5.2	11.50 (2.9-12.2)	3240 (520-3360)	3.57
10.0	1.5+3.5+5.0	1.5+3.5+5.0	10.00 (2.7-11.0)	3450 (510-3690)	2.90	1.88+4.03+6.09	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.0	1.5+3.5+6.0	1.36+3.18+5.45	10.00 (2.7-11.0)	3550 (510-3700)	2.82	1.74+3.74+6.52	12.00 (2.9-12.7)	3500 (520-3690)	3.43
12.0	1.5+3.5+7.0	1.25+2.92+5.83	10.00 (2.7-12.50)	3600 (510-3800)	2.78	1.66+3.56+6.79	12.00 (2.9-12.7)	3500 (520-3690)	3.43
9.9	1.5+4.2+4.2	1.5+4.2+4.2	9.90 (2.7-10.50)	3400 (510-3690)	2.91	1.94+5.03+5.03	12.00 (2.9-12.7)	3470 (520-3690)	3.46
10.7	1.5+4.2+5.0	1.5+4.2+5.0	10.00 (2.7-10.56)	3500 (510-3650)	2.86	1.75+4.55+5.69	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.7	1.5+4.2+6.0	1.28+3.59+5.13	10.00 (2.7-10.60)	3580 (510-3800)	2.79	1.63+4.24+6.12	12.00 (2.9-12.7)	3500 (520-3690)	3.43
12.7	1.5+4.2+7.0	1.18+3.31+7.0	10.00 (2.7-10.70)	3650 (510-3800)	2.74	1.56+4.05+6.39	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.5	1.5+5.0+5.0	1.3+4.35+4.35	10.00 (2.7-10.80)	3550 (510-3800)	2.82	1.6+5.2+5.2	12.00 (2.9-12.7)	3500 (520-3890)	3.43
12.5	1.5+5.0+6.0	1.2+4.0+4.8	10.00 (2.7-10.96)	3600 (510-3800)	2.78	1.5+4.88+5.63	12.00 (2.9-12.7)	3500 (520-3890)	3.43
13.5	1.5+5.0+7.0	1.11+3.7+5.19	10.00 (2.7-11.10)	3600 (510-3800)	2.78	1.44+4.67+5.89	12.00 (2.9-12.7)	3500 (520-3890)	3.43
13.5	1.5+6.0+6.0	1.11+4.44+4.44	10.00 (2.7-11.10)	3600 (510-3800)	2.78	1.41+5.29+5.29	12.00 (2.9-12.7)	3500 (520-3890)	3.43
14.5	1.5+6.0+7.0	1.03+4.14+4.83	10.00 (2.7-12.50)	3680 (510-3800)	2.72	1.36+5.08+5.56	12.00 (2.9-12.7)	3500 (520-3890)	3.43
15.5	1.5+7.0+7.0	0.97+4.52+4.52	10.00 (2.7-12.50)	3680 (510-3800)	2.72	1.3+5.35+5.35	12.00 (2.9-12.7)	3500 (520-3890)	3.43
5.4	1.8+1.8+1.8	1.8+1.8+1.8	5.40 (2.7-6.0)	1500 (510-1780)	3.60	2.5+2.5+2.5	7.50 (2.9-8.2)	1800 (520-2860)	4.17
6.1	1.8+1.8+2.5	1.8+1.8+2.5	6.10 (2.7-6.80)	1540 (510-2150)	3.96	2.5+2.5+3.4	8.40 (2.9-9.1)	2050 (520-3060)	4.10
7.1	1.8+1.8+3.5	1.8+1.8+3.5	7.10 (2.7-7.90)	1940 (510-2310)	3.66	2.5+2.5+4.3	9.30 (2.9-10.0)	2500 (520-3060)	3.72
7.8	1.8+1.8+4.2	1.8+1.8+4.2	7.80 (2.7-8.60)	2250 (510-3460)	3.47	2.5+2.5+5.2	10.20 (2.9-10.9)	2815 (520-3060)	3.62
8.6	1.8+1.8+5.0	1.8+1.8+5.0	8.60 (2.7-9.50)	2700 (510-3460)	3.19	2.5+2.5+6.5	11.50 (2.9-12.2)	3040 (520-3690)	3.78
9.6	1.8+1.8+6.0	1.8+1.8+6.0	9.60 (2.7-10.60)	3200 (510-3460)	3.00	2.4+2.4+7.2	12.00 (2.9-12.7)	3370 (520-3690)	3.56
10.6	1.8+1.8+7.0	1.7+1.7+6.6	10.00 (2.7-11.04)	3480 (510-3700)	2.87	2.27+2.27+7.45	12.00 (2.9-12.7)	3500 (520-3690)	3.43
6.8	1.8+2.5+2.5	1.8+2.5+2.5	6.80 (2.7-7.60)	1820 (510-2260)	3.74	2.5+3.4+3.4	9.30 (2.9-10.0)	2370 (520-2760)	3.92
7.8	1.8+2.5+3.5	1.8+2.5+3.5	7.80 (2.7-8.70)	2250 (510-3270)	3.47	2.5+3.4+4.3	10.20 (2.9-10.9)	2780 (520-3080)	3.67
8.5	1.8+2.5+4.2	1.8+2.5+4.2	8.50 (2.7-9.40)	2640 (510-3270)	3.22	2.5+3.4+5.2	11.10 (2.9-11.8)	3000 (520-3220)	3.67
9.3	1.8+2.5+5.0	1.8+2.5+5.0	9.30 (2.7-10.30)	3050 (510-3270)	3.05	2.42+3.29+6.29	12.00 (2.9-12.7)	3270 (520-3690)	3.70
10.3	1.8+2.5+6.0	1.75+2.43+5.83	10.00 (2.7-10.80)	3460 (510-3690)	2.89	2.24+3.04+6.72	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.3	1.8+2.5+7.0	1.59+2.21+6.19	10.00 (2.7-10.80)	3460 (510-3690)	2.89	2.13+2.89+6.98	12.00 (2.9-12.7)	3500 (520-3690)	3.43
8.8	1.8+3.5+3.5	1.8+3.5+3.5	8.80 (2.7-9.80)	2800 (510-3690)	3.14	2.5+4.3+4.3	11.10 (2.9-11.8)	3100 (520-3330)	3.58
9.5	1.8+3.5+4.2	1.8+3.5+4.2	9.50 (2.7-10.10)	3180 (510-3690)	2.99	2.5+4.3+5.2	12.00 (2.9-12.7)	3340 (520-3430)	3.59
10.3	1.8+3.5+5.0	1.75+3.4+4.85	10.00 (2.7-10.80)	3460 (510-3690)	2.89	2.26+3.88+5.86	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.3	1.8+3.5+6.0	1.59+3.1+5.31	10.00 (2.7-11.06)	3520 (510-3700)	2.84	2.1+3.61+6.29	12.00 (2.9-12.7)	3500 (520-3690)	3.43
12.3	1.8+3.5+7.0	1.46+3.85+5.69	10.00 (2.7-12.50)	3600 (510-3800)	2.78	2.0+3.44+6.56	12.00 (2.9-12.7)	3500 (520-3690)	3.43
10.2	1.8+4.2+4.2	1.76+4.12+4.12	10.00 (2.7-10.98)	3440 (510-3690)	2.91	2.33+4.84+4.84	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.0	1.8+4.2+5.0	1.64+3.82+4.55	10.00 (2.7-11.0)	3550 (510-3700)	2.82	2.11+4.39+5.49	12.00 (2.9-12.7)	3500 (520-3690)	3.43
12.0	1.8+4.2+6.0	1.5+3.5+5.0	10.00 (2.7-12.50)	3600 (510-4000)	2.78	1.97+4.11+5.92	12.00 (2.9-12.7)	3500 (520-3690)	3.43
13.0	1.8+4.2+7.0	1.38+3.23+5.38	10.00 (2.7-12.50)	3600 (510-4000)	2.78	1.89+3.92+6.19	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.8	1.8+5.0+5.0	1.53+4.24+4.24	10.00 (2.7-12.50)	3580 (510-4000)	2.79	1.94+5.03+5.03	12.00 (2.9-12.7)	3500 (520-3890)	3.43
12.8	1.8+5.0+6.0	1.41+3.91+4.69	10.00 (2.7-12.50)	3600 (510-4000)	2.78	1.82+4.73+5.45	12.00 (2.9-12.7)	3500 (520-3890)	3.43
13.8	1.8+6.0+6.0	1.3+4.35+4.35	10.00 (2.7-12.50)	3680 (510-4000)	2.72	1.71+5.14+5.14	12.00 (2.9-12.7)	3500 (520-3890)	3.43
14.8	1.8+6.0+7.0	1.22+4.05+4.73	10.00 (2.7-12.50)	3680 (510-4000)	2.72	1.65+4.95+5.41	12.00 (2.9-12.7)	3500 (520-3890)	3.43
15.8	1.8+7.0+7.0	1.14+4.43+4.43	10.00 (2.7-12.50)	3680 (510-4000)	2.72	1.59+5.21+5.21	12.00 (2.9-12.7)	3500 (520-3890)	3.43
7.5	2.5+2.5+2.5	2.5+2.5+2.5	7.50 (2.7-8.40)	2100 (510-2580)	3.57	3.4+3.4+3.4	10.20 (2.9-10.9)	2680 (520-2920)	3.81
8.5	2.5+2.5+3.5	2.5+2.5+3.5	8.50 (2.7-9.50)	2640 (510-3110)	3.22	3.4+3.4+4.3	11.10 (2.9-11.8)	3000 (520-3250)	3.70
9.2	2.5+2.5+4.2	2.5+2.5+4.2	9.20 (2.7-9.80)	3000 (510-3360)	3.07	3.4+3.4+5.2	12.00 (2.9-12.7)	3220 (520-3330)	3.73
10.0	2.5+2.5+5.0	2.5+2.5+5.0	10.00 (2.7-11.10)	3450 (510-3690)	2.90	3.07+3.07+5.86	12.00 (2.9-12.7)	3500 (520-3560)	3.43
11.0	2.5+2.5+6.0	2.27+2.27+5.45	10.00 (2.7-11.09)	3550 (510-3700)	2.82	2.85+2.85+6.29	12.00 (2.9-12.7)	3500 (520-3560)	3.43
12.0	2.5+2.5+7.0	2.08+2.08+5.83	10.00 (2.7-12.50)	3600 (510-3700)	2.78	2.72+2.72+6.56	12.00 (2.9-12.7)	3500 (520-3690)	3.43
9.5	2.5+3.5+3.5	2.5+3.5+3.5	9.50 (2.7-10.60)	3180 (510-3500)	2.99	3.4+4.3+4.3	12.00 (2.9-12.7)	3320 (520-3690)	3.61
10.2	2.5+3.5+4.2	2.45+3.43+4.12	10.00 (2.7-10.69)	3470 (510-3650)	2.88	3.16+4.0+4.84	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.0	2.5+3.5+5.0	2.27+3.18+4.55	10.00 (2.7-11.09)	3550 (510-3700)	2.82	2.87+3.63+5.49	12.00 (2.9-12.7)	3500 (520-3690)	3.43
12.0	2.5+3.5+6.0	2.08+2.92+5.0	10.00 (2.7-11.50)	3600 (510-3800)	2.78	2.68+3.39+5.92	12.00 (2.9-12.7)	3500 (520-3690)	3.43
13.0	2.5+3.5+7.0	1.92+2.69+5.38	10.00 (2.7-12.50)	3600 (510-3800)	2.78	2.57+3.25+6.19	12.00 (2.9-12.7)	3500 (520-3690)	3.43
10.9	2.5+4.2+4.2	2.29+3.85+3.85	10.00 (2.7-11.01)	3540 (510-3800)	2.82	2.96+4.52+4.52	12.00 (2.9-12.7)	3500 (520-3690)	3.43
11.7	2.5+4.2+5.0	2.14+3.59+4.27	10.00 (2.7-12.5)	3600 (510-3800)	2.78	2.7+4.13+5.17	12.00 (2.9-12.7)	3500 (520-3690)	3.43
12.7	2.5+4.2+6.0	1.97+3.31+4.72	10.00 (2.7-12.0)	3600 (510-4000)	2.78	2.53+3.88+5.59	12.00 (2.9-12.7)	3500 (520-3890)	3.43
13.7	2.5+4.2+7.0	1.82+3.07+5.11	10.00 (2.7-12.5)	3600 (510-4000)	2.78				

Combinations of Indoor units

RAM-G110NSHAE	COOLING MODE						HEATING MODE						
	IU capacity (kW)		Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP
	1	2				1	2			1	2		
11.7	1.5+1.8+4.2+4.2	1.28+1.54+3.59+3.59	10.00 (2.9-10.9)	3380 (550-4000)	2.96	1.61+2.01+4.19+4.19	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
12.5	1.5+1.8+4.2+5.0	1.2+1.44+3.36+4.0	10.00 (2.9-11.3)	3440 (550-4000)	2.91	1.48+1.85+3.85+4.81	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
13.5	1.5+1.8+4.2+6.0	1.11+1.33+3.11+4.44	10.00 (2.9-11.5)	3510 (550-4000)	2.85	1.4+1.74+3.63+5.23	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
14.5	1.5+1.8+4.2+7.0	1.03+1.24+2.9+4.83	10.00 (2.9-11.5)	3590 (550-4000)	2.79	1.34+1.68+3.49+5.5	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
13.3	1.5+1.8+5.0+5.0	1.13+1.35+3.76+3.76	10.00 (2.9-11.3)	3500 (550-4000)	2.86	1.37+1.71+4.46+4.46	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
14.3	1.5+1.8+5.0+6.0	1.05+1.26+3.5+4.2	10.00 (2.9-12.5)	3570 (550-4300)	2.80	1.3+1.62+4.22+4.86	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
15.3	1.5+1.8+5.0+7.0	0.98+1.18+3.27+4.58	10.00 (2.9-12.5)	3650 (550-4300)	2.74	1.25+1.56+4.06+5.13	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
15.3	1.5+1.8+6.0+6.0	0.98+1.18+3.92+3.92	10.00 (2.9-12.5)	3650 (550-4300)	2.74	1.23+1.54+4.62+4.62	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
16.3	1.5+1.8+6.0+7.0	0.92+1.1+3.68+4.29	10.00 (2.9-12.5)	3720 (550-4300)	2.69	1.19+1.49+4.46+4.87	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
9.0	1.5+2.5+2.5+2.5	1.5+2.5+2.5+2.5	9.00 (2.9-10.0)	2790 (550-3130)	3.23	1.97+3.34+3.34+3.34	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
10.0	1.5+2.5+2.5+3.5	1.5+2.5+2.5+3.5	10.00 (2.9-11.1)	3250 (550-3500)	3.08	1.83+3.11+3.11+3.94	12.00 (3.0-12.7)	3150 (540-4000)	3.81				
10.7	1.5+2.5+2.5+4.2	1.4+2.34+2.34+3.93	10.00 (2.9-11.03)	3300 (550-3500)	3.03	1.71+2.91+2.91+4.46	12.00 (3.0-12.7)	3200 (540-4000)	3.75				
11.5	1.5+2.5+2.5+5.0	1.3+2.17+2.17+4.35	10.00 (2.9-10.8)	3360 (550-3500)	2.98	1.57+2.67+2.67+5.1	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
12.5	1.5+2.5+2.5+6.0	1.2+2.0+2.0+4.8	10.00 (2.9-10.9)	3440 (550-3700)	2.91	1.47+2.5+2.5+5.52	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
13.5	1.5+2.5+2.5+7.0	1.11+1.85+1.85+5.19	10.00 (2.9-10.9)	3510 (550-3700)	2.85	1.41+2.4+2.4+5.79	12.00 (3.0-12.7)	3400 (540-4000)	3.53				
11.0	1.5+2.5+3.5+5.0	1.36+2.27+3.18+3.18	10.00 (2.9-10.5)	3330 (550-3700)	3.00	1.71+2.91+3.69+3.69	12.00 (3.0-12.7)	3150 (540-4000)	3.81				
11.7	1.5+2.5+3.5+4.2	1.28+2.17+2.99+3.59	10.00 (2.9-12.5)	3380 (550-3700)	2.96	1.61+2.74+3.46+4.19	12.00 (3.0-12.7)	3250 (540-4000)	3.69				
12.5	1.5+2.5+3.5+5.0	1.2+2.0+2.8+4.0	10.00 (2.9-10.8)	3440 (550-3700)	2.91	1.48+2.52+3.19+4.81	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
13.5	1.5+2.5+3.5+6.0	1.11+1.85+2.59+4.44	10.00 (2.9-10.9)	3510 (550-3700)	2.85	1.4+2.37+3.0+5.23	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
14.5	1.5+2.5+3.5+7.0	1.03+1.72+2.41+4.83	10.00 (2.9-10.9)	3590 (550-3700)	2.79	1.34+2.28+2.88+5.5	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
12.4	1.5+2.5+4.2+2.0	1.21+2.02+3.39+3.39	10.00 (2.9-10.63)	3430 (550-3700)	2.92	1.52+2.58+3.95+3.95	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
13.2	1.5+2.5+4.2+5.0	1.14+1.89+3.18+3.79	10.00 (2.9-10.9)	3490 (550-4000)	2.87	1.4+2.39+3.65+4.56	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
14.2	1.5+2.5+4.2+6.0	1.06+1.76+2.96+4.29	10.00 (2.9-11.2)	3570 (550-4000)	2.80	1.33+2.25+3.45+4.97	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
15.2	1.5+2.5+4.2+7.0	0.99+1.64+2.76+4.61	10.00 (2.9-11.2)	3640 (550-4000)	2.75	1.28+2.17+3.32+5.23	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
14.0	1.5+2.5+5.0+5.0	1.07+1.79+3.57+3.57	10.00 (2.9-11.5)	3550 (550-4000)	2.82	1.3+2.22+4.24+4.24	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
15.0	1.5+2.5+5.0+6.0	1.0+1.67+3.33+4.0	10.00 (2.9-12.5)	3625 (550-4000)	2.76	1.24+2.1+4.02+4.64	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
16.0	1.5+2.5+5.0+7.0	0.94+1.56+3.13+4.38	10.00 (2.9-12.5)	3700 (550-4000)	2.70	1.19+2.03+3.88+4.9	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
12.0	1.5+3.5+3.5+3.5	1.25+2.92+2.92+2.92	10.00 (2.9-12.5)	3400 (550-3700)	2.94	1.61+3.46+3.46+3.46	12.00 (3.0-12.7)	3220 (540-4000)	3.73				
12.7	1.5+3.5+3.5+4.2	1.18+2.76+2.76+3.31	10.00 (2.9-12.5)	3450 (550-3700)	2.90	1.52+3.27+3.27+3.95	12.00 (3.0-12.7)	3400 (540-4000)	3.48				
13.5	1.5+3.5+3.5+5.0	1.11+2.59+2.59+3.7	10.00 (2.9-12.5)	3510 (550-4000)	2.85	1.4+3.02+3.02+4.56	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
14.5	1.5+3.5+3.5+6.0	1.03+2.41+2.41+4.14	10.00 (2.9-12.5)	3590 (550-4300)	2.79	1.33+2.85+2.85+4.97	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
15.5	1.5+3.5+3.5+7.0	0.97+2.26+2.26+4.52	10.00 (2.9-12.5)	3660 (550-4300)	2.73	1.28+2.74+2.74+5.23	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
13.4	1.5+3.5+4.2+4.2	1.12+2.61+3.13+3.13	10.00 (2.9-12.5)	3500 (550-4300)	2.86	1.44+3.09+3.74+3.74	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
14.2	1.5+3.5+4.2+5.0	1.06+2.46+2.96+3.52	10.00 (2.9-12.5)	3570 (550-4300)	2.80	1.33+2.87+3.47+4.33	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
15.2	1.5+3.5+4.2+6.0	0.99+2.3+2.76+3.95	10.00 (2.9-12.5)	3640 (550-4300)	2.75	1.26+2.72+3.28+4.74	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
16.2	1.5+3.5+4.2+7.0	0.93+2.16+2.59+4.32	10.00 (2.9-12.5)	3720 (550-4300)	2.69	1.22+2.62+3.17+4.99	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
15.0	1.5+3.5+5.0+5.0	1.0+2.33+3.33+3.33	10.00 (2.9-12.5)	3630 (550-4300)	2.75	1.24+2.67+4.04+4.04	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
16.0	1.5+3.5+5.0+6.0	0.94+2.19+3.13+3.75	10.00 (2.9-12.5)	3700 (550-4300)	2.70	1.18+2.54+3.84+4.43	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
14.1	1.5+4.2+4.2+4.2	1.06+2.98+2.98+2.98	10.00 (2.9-12.5)	3560 (550-4300)	2.81	1.36+3.55+3.55+3.55	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
14.9	1.5+4.2+4.2+5.0	1.01+2.82+2.82+3.36	10.00 (2.9-12.5)	3620 (550-4300)	2.76	1.27+3.3+3.3+4.13	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
15.9	1.5+4.2+4.2+6.0	0.94+2.64+2.64+3.77	10.00 (2.9-12.5)	3690 (550-4300)	2.71	1.21+3.14+3.14+4.52	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
15.7	1.5+4.2+5.0+5.0	0.96+2.68+3.18+3.18	10.00 (2.9-12.5)	3680 (550-4300)	2.72	1.19+3.09+3.86+3.86	12.00 (3.0-12.7)	3600 (540-4000)	3.33				
7.2	1.8+1.8+1.8+1.8	1.8+1.8+1.8+1.8	7.20 (2.9-8.0)	2000 (550-3120)	3.60	2.5+2.5+2.5+2.5	10.00 (3.0-10.7)	2350 (540-4000)	4.26				
7.9	1.8+1.8+1.8+2.5	1.8+1.8+1.8+2.5	7.90 (2.9-8.8)	2280 (550-3120)	3.46	2.5+2.5+2.5+3.4	10.90 (3.0-11.6)	2550 (540-4000)	4.27				
8.9	1.8+1.8+1.8+3.5	1.8+1.8+1.8+3.5	8.90 (2.9-9.9)	2740 (550-3120)	3.25	2.5+2.5+2.5+4.3	11.80 (3.0-12.5)	2840 (540-4000)	4.15				
9.6	1.8+1.8+1.8+4.2	1.8+1.8+1.8+4.2	9.60 (2.9-10.6)	3070 (550-3460)	3.13	2.36+2.36+2.36+4.91	12.00 (3.0-12.7)	3040 (540-4000)	3.95				
10.4	1.8+1.8+1.8+5.0	1.73+1.73+1.73+4.81	10.00 (2.9-11.06)	3280 (550-3460)	3.05	2.14+2.14+2.14+5.57	12.00 (3.0-12.7)	3250 (540-4000)	3.69				
11.4	1.8+1.8+1.8+6.0	1.58+1.58+1.58+5.26	10.00 (2.9-12.5)	3355 (550-3600)	2.98	2.0+2.0+2.0+6.0	12.00 (3.0-12.7)	3250 (540-4000)	3.69				
12.4	1.8+1.8+1.8+7.0	1.45+1.45+1.45+5.65	10.00 (2.9-4.84)	3430 (550-3700)	2.92	1.91+1.91+1.91+6.27	12.00 (3.0-12.7)	3250 (540-4000)	3.69				
8.6	1.8+1.8+2.5+2.5	1.8+1.8+2.5+2.5	8.60 (2.9-9.6)	2600 (550-3040)	3.31	2.5+2.5+3.4+3.4	11.80 (3.0-12.5)	2750 (540-4000)	4.29				
9.6	1.8+1.8+2.5+3.5	1.8+1.8+2.5+3.5	9.60 (2.9-10.1)	3070 (550-3460)	3.13	2.36+2.36+3.21+4.06	12.00 (3.0-12.7)	3040 (540-4000)	3.95				
10.3	1.8+1.8+2.5+4.2	1.75+1.75+2.43+4.08	10.00 (2.9-10.68)	3270 (550-3460)	3.06	2.21+2.21+3.0+4.59	12.00 (3.0-12.7)	3170 (540-4000)	3.79				
11.1	1.8+1.8+2.5+5.0	1.62+1.62+2.25+4.5	10.00 (2.9-11.15)	3330 (550-3600)	3.00	2.01+2.01+2.74+5.23	12.00 (3.0-12.7)	3300 (540-4000)	3.64				
12.1	1.8+1.8+2.5+6.0	1.49+1.49+2.07+4.96	10.00 (2.9-11.6)	3400 (550-3700)	2.94	1.89+1.89+2.57+5.66	12.00 (3.0-12.7)	3300 (540-4000)	3.64				
13.1	1.8+1.8+2.5+7.0	1.37+1.37+1.91+5.34	10.00 (2.9-11.6)	3480 (550-3700)	2.87	1.810+1.81+2.46+5.93	12.00 (3.0-12.7)	3300 (540-4000)	3.64				
10.6	1.8+1.8+3.5+3.5	1.7+1.7+3.3+3.3	10.00 (2.9-10.6)	3300 (550-3460)	3.03	2.21+2.21+3.79+3.79	12.00 (3.0-12.7)	3190 (540-4000)	3.76				
11.3	1.8+1.8+3.5+4.2	1.59+1.59+3.1+3.72	10.00 (2.9-10.99)	3350 (550-3600)	2.99	2.07+2.07+3.56+4.3	12.00 (3.0-12.7)	3240 (540-4000)	3.70				
12.1	1.8+1.8+3.5+5.0	1.49+1.49+2.89+4.13	10.00 (2.9-11.5)	3400 (550-3700)	2.94	1.9+1.9+3.27+4.94	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
13.1	1.8+1.8+3.5+6.0	1.37+1.37+2.67+4.58	10.00 (2.9-12.0)	3480 (550-3700)	2.87	1.79+1.79+3.07+5.36	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
14.1	1.8+1.8+3.5+7.0	1.28+1.28+2.48+4.96	10.00 (2.9-12.0)	3560 (550-3700)	2.81	1.71+1.71+2.95+5.62	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
12.0	1.8+1.8+4.2+4.2	1.5+1.5+3.5+3.5	10.00 (2.9-12.5)	3400 (550-3700)	2.94	1.95+1.95+4.05+4.05	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
12.8	1.8+1.8+4.2+5.0	1.41+1.41+3.28+3.91	10.00 (2.9-10.8)	3460 (550-4000)	2.89	1.8+1.8+3.74+4.67	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
13.8	1.8+1.8+4.2+6.0	1.3+1.3+3.04+4.35	10.00 (2.9-11.3)	3535 (550-4000)	2.83	1.69+1.69+3.53+5.08	12.00 (3.0-12.7)	3450 (540-4000)	3.48				
14.8	1.8+1.8+4.2+7.0	1.22+1.22+2.84+4.73	10.00 (2.9-11.3)	3610 (550-4000)	2.77	1.63+1.63+3.39+5.33							

Combinations of Indoor units

Table with columns for RAM-G110N5HAE, COOLING MODE (IU capacity, Total capacity, Total power input, EER), and HEATING MODE (IU capacity, Total capacity, Total power input, COP). Rows list various indoor unit configurations and their performance metrics.

Combinations of Indoor units

Table with columns for RAM-G110N5HAE, COOLING MODE (IU capacity, Total capacity, Total power input, EER), and HEATING MODE (IU capacity, Total capacity, Total power input, COP). Rows list various indoor unit configurations and their performance metrics.

AIRHOME MULTIPRO

5 Unit

5 Unit

AIRHOME MULTIPRO

Combinations of Indoor units

Selection Guide

RAM-G110N5HAE	COOLING MODE				HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
14.3	1.8+2.5+2.5+2.5+5.0	1.26+1.75+1.75+1.75+3.5	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.56+2.13+2.13+2.13+4.06	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.3	1.8+2.5+2.5+2.5+6.0	1.18+1.63+1.63+1.63+3.92	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.49+2.02+2.02+2.02+4.46	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.3	1.8+2.5+2.5+2.5+7.0	1.1+1.53+1.53+1.53+4.29	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.44+1.95+1.95+1.95+4.71	12.00 (3.4-12.7)	3850 (610-4400)	3.12
13.8	1.8+2.5+2.5+3.5+3.5	1.3+1.81+1.81+2.54+2.54	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.68+2.28+2.28+2.88+2.88	12.00 (3.4-12.7)	3850 (610-4400)	3.33
14.5	1.8+2.5+2.5+3.5+4.2	1.24+1.72+1.72+2.41+2.9	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.6+2.17+2.17+2.74+3.32	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.3	1.8+2.5+2.5+3.5+5.0	1.18+1.63+1.63+2.29+3.27	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.49+2.03+2.03+2.57+3.88	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.3	1.8+2.5+2.5+3.5+6.0	1.1+1.53+1.53+2.15+3.68	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.42+1.93+1.93+2.45+4.27	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.2	1.8+2.5+2.5+4.2+4.2	1.18+1.64+1.64+2.76+2.76	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.52+2.07+2.07+3.17+3.17	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.0	1.8+2.5+2.5+4.2+5.0	1.13+1.56+1.56+2.63+3.13	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.43+1.94+1.94+2.97+3.71	12.00 (3.4-12.7)	3850 (610-4400)	3.12
14.8	1.8+2.5+3.5+3.5+3.5	1.22+1.69+2.36+2.36+2.36	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.6+2.17+2.74+2.74+2.74	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.5	1.8+2.5+3.5+3.5+4.2	1.16+1.61+2.26+2.26+2.71	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.52+2.07+2.62+2.62+3.17	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.3	1.8+2.5+3.5+3.5+5.0	1.1+1.53+2.15+2.15+3.07	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.43+1.94+2.46+2.46+3.71	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.2	1.8+2.5+3.5+4.2+4.2	1.11+1.54+2.16+2.59+2.59	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.46+1.98+2.5+3.03+3.03	12.00 (3.4-12.7)	3850 (610-4400)	3.12
12.5	2.5+2.5+2.5+2.5+2.5	2.0+2.0+2.0+2.0+2.0	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.4+2.4+2.4+2.4+2.4	12.00 (3.4-12.7)	3450 (610-4000)	3.48
13.5	2.5+2.5+2.5+2.5+3.5	1.85+1.85+1.85+1.85+2.59	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.28+2.28+2.28+2.28+2.88	12.00 (3.4-12.7)	3760 (610-4000)	3.19
14.2	2.5+2.5+2.5+2.5+4.2	1.76+1.76+1.76+1.76+2.96	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.17+2.17+2.17+2.17+3.32	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.0	2.5+2.5+2.5+2.5+5.0	1.67+1.67+1.67+1.67+3.33	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.03+2.03+2.03+2.03+3.88	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.0	2.5+2.5+2.5+2.5+6.0	1.56+1.56+1.56+1.56+3.75	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.93+1.93+1.93+1.93+4.27	12.00 (3.4-12.7)	3850 (610-4400)	3.12
14.5	2.5+2.5+2.5+3.5+3.5	1.72+1.72+1.72+2.41+2.41	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.17+2.17+2.17+2.74+2.74	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.2	2.5+2.5+2.5+3.5+4.2	1.64+1.64+1.64+2.3+2.76	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.07+2.07+2.07+2.62+3.17	12.00 (3.4-12.7)	3850 (610-4400)	3.12
15.5	2.5+2.5+3.5+3.5+3.5	1.61+1.61+2.26+2.26+2.26	10.00 (2.9-12.5)	3800 (600-4300)	2.63	2.07+2.07+2.62+2.62+2.62	12.00 (3.4-12.7)	3850 (610-4400)	3.12
16.3	2.5+2.5+3.5+3.5+4.2	1.53+1.53+2.15+2.15+2.58	10.00 (2.9-12.5)	3800 (600-4300)	2.63	1.98+1.98+2.5+2.5+3.03	12.00 (3.4-12.7)	3850 (610-4400)	3.12

The total capacity in Cooling cannot be more than 16.6 kW

airHome Multi

RAM-E40N2HAE



RAM-E53N2HAE



RAM-E53N3HAE



Outdoor unit standard RAM-ENHAE

Nominal cooling capacity	4,0 kW	5,3 kW	5,3 kW
Nominal heating capacity	5,2 kW	6,3 kW	6,3 kW
Energy class Cooling	A++	A++	A++
Energy class Heating	A+	A+	A+
Number of indoor unit connections	2	2	3
Max. piping length	35	35	45

airHome Multi

4.0kW to 5.3kW (R32)



NEW



+ IDEAL FOR SMALL APPLICATIONS

Economic multisplit solution for up to 3 rooms with wall airHome 400 units.

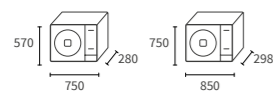
+ SMART AIR

Smart Control of Wall Units

Wi-fi integrated, without the use of additional accessories.



Outdoor unit



RAM-E40N2HAE RAM-E53N2HAE
RAM-E53N3HAE

Compatible controls and accessories Outdoor unit



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

Compatible controls and accessories Indoor wall-mounted 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

airHome Multi

Modèle	Unité	RAM-E40N2HAE	RAM-E53N2HAE	RAM-E53N3HAE
Number of connectable Units (min-max)	-	2/2		2/3
Nominal cooling capacity (min-max)	kW	4,0 (1,5 - 4,4)	5,3 (1,5 - 6,0)	
Nominal heating capacity (min-max)	kW	5,2 (1,5 - 5,5)	6,3 (1,5 - 7,0)	
Maximal heating capacity at -7°C without defrost	kW	3,8	4,5	
Maximal heating capacity at -7°C with defrost	kW	3,0	3,5	
Nominal cooling power input (min-max)	kW	1,025 (0,35 - 1,27)	1,358 (0,40 - 1,80)	1,358 (0,40 - 2,25)
Nominal heating power input (min-max)	kW	1,330 (0,50 - 1,70)	1,615 (0,55 - 2,25)	1,615 (0,60 - 2,25)
EER/COP	-	3,90 / 3,90		
SEER/SCOP (average climate)	-	8,25 / 4,20		8,10 / 4,20
Seasonal energy class (Cooling/Heating)	-	A++ / A+		
Sound pressure Cooling	dB(A)	49	50	
Sound power	dB(A)	60	61	
Air flow rate (Cooling/heating)	m³/h	1620 / 1620		2160 / 2160
Dimensions (H x W x D)	mm	570 x 750 x 280		750 x 850 x 298
Net weight	kg	40	51	52
Power supply	-	220 - 230V		
Running current (Cooling/Heating)	A	2,00-6,80 / 2,45-6,85	2,25-9,45 / 2,85-10,18	2,25-9,95 / 2,85-10,18
Power cable section (EN 60 335-1)	mm²	2 x 2,5 + G		
Interconnection cable section	mm²	3 x 1,5 + G		
Piping diameter (Liq / Gas)	inches	1/4" x 2 / 3/8" x 2		(1/4" x 2 / 3/8" x 3)
Initial charge of refrigerant	kg	0,97	1,59	
Precharged for	m	35		
Minimal piping length	m	3		
Max. piping length/ Additional charge	m/g/m	35 / -		45 / 20
Max. height difference	m	10	20	
Operating range Cooling	-	-10°C / 46°C		
Operating range Heating	-	-15°C / 24°C		
Refrigerant	-	R32		
Compressor	-	Rotary		

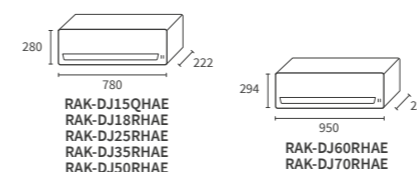
Wall Unit

airHome 400

1.5kW to 5kW (R32), mono and multisplit

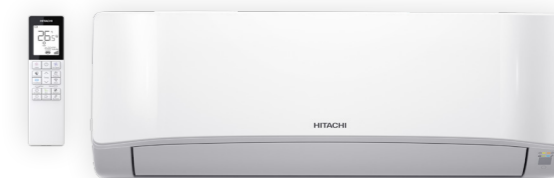


Indoor units



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

RAK-DJ60RHAE
RAK-DJ70RHAE

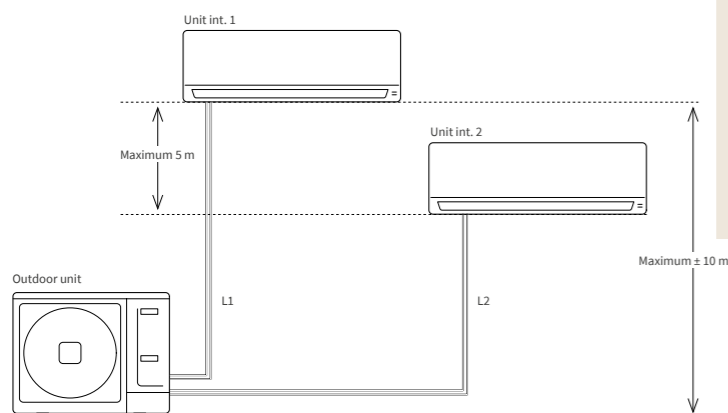


Model	Unit	RAK-DJ15QHAE	RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE
Nominal cooling capacity (min - max)	kW	1,50 (0,90 - 2,50)	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)
Nominal heating capacity (min - max)	kW	2,00 (0,90 - 3,20)	2,50 (0,90 - 3,20)	3,40 (0,90 -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

RAM-E40N2HAE - Installation

Piping length RAM-E40N2HAE:

Indoor unit 1 + Indoor unit 2 = **Max. 35 m**



Installation features of the outdoor unit RAM-E40N2HAE

- Pre-loaded for **35 m**.
- Always connect the largest Indoor unit to lowest piping connection. No additional load is required.

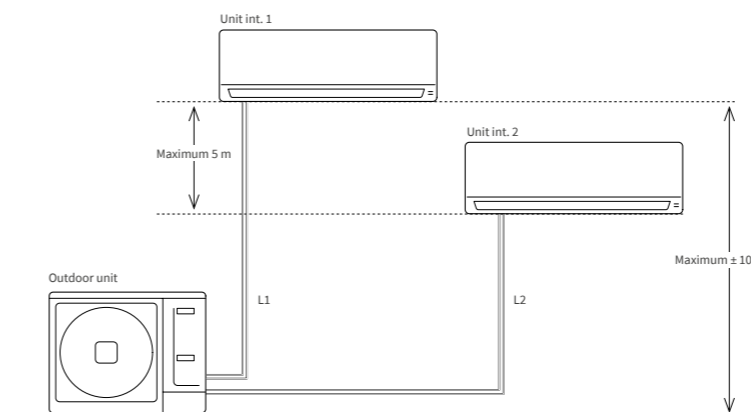
Specific Installation requirements for Units

- Max. length of pipeline between Indoor unit and outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

RAM-E53N2HAE - Installation

Piping lengths RAM-E53N2HAE:

Indoor unit 1 + Indoor unit 2 = **Max. 35 m**



Installation features of the outdoor unit RAM-E53N2HAE

- Pre-loaded for **35 m**.
- Always connect the largest indoor unit to lowest piping connection. No additional load is required.

Specific Installation requirements for Units

- Max. length of pipeline between Indoor unit and outdoor unit: **25 m**.
- Maximum height difference between 2 IUs is **5 m**.

Combinations of Indoor units

RAM-E40N2HAE	COOLING MODE				HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
1 Unit*	1.5	1.5	1.5 (1.50-1.70)	410 (350-480)	3.66	2.0	2.0 (1.50-2.20)	790 (500-970)	2.53
	1.8	2.0	2.0 (1.70-2.00)	485 (350-750)	3.71	2.5	2.5 (2.00-3.00)	750 (500-970)	3.33
	2.5	2.5	2.5 (1.70-2.80)	650 (350-880)	3.85	3.4	3.4 (2.00-4.00)	1050 (500-1120)	3.24
	3.5	3.5	3.5 (1.70-3.90)	870 (350-1150)	4.02	4.3	4.3 (2.00-5.20)	1295 (500-1300)	3.32
2 Unit	1.5 + 1.5	1.5 + 1.5	3.0 (2.40-3.50)	860 (350-780)	3.49	2.0 + 2.0	4.0 (2.70-4.50)	930 (500-950)	4.30
	1.5 + 1.8	1.5 + 1.8	3.3 (2.40-3.80)	930 (350-930)	3.55	2.0 + 2.5	4.5 (2.70-5.00)	1010 (500-1020)	4.46
	1.5 + 2.5	1.5 + 2.5	4.0 (2.40-4.40)	1090 (500-1150)	3.67	1.9 + 3.3	5.2 (2.70-5.50)	1330 (500-1700)	3.91
	1.5 + 3.5	1.2 + 2.8	4.0 (2.40-4.40)	1230 (500-1270)	3.25	1.7 + 3.5	5.2 (2.70-5.50)	1335 (500-1700)	3.90
	1.8 + 1.8	1.8 + 1.8	3.6 (2.40-4.00)	1050 (500-1050)	3.43	2.5 + 2.5	5.2 (2.70-5.5)	1390 (500-1700)	3.74
	1.8 + 2.5	1.7 + 2.3	4.0 (2.40-4.40)	1230 (500-1270)	3.25	2.2 + 3.0	5.2 (2.7-5.5)	1390 (500-1700)	3.74
	1.8 + 3.5	1.4 + 2.6	4.0 (2.40-4.40)	1230 (500-1270)	3.25	1.9 + 3.3	5.2 (2.7-5.5)	1390 (500-1700)	3.74
	2.5 + 2.5	2.0 + 2.0	4.0 (2.40-4.40)	1230 (500-1270)	3.25	2.6 + 2.6	5.2 (2.7-5.5)	1390 (500-1700)	3.74
2.5 + 3.5	1.7 + 2.3	4.0 (2.40-4.40)	1270 (500-1270)	3.15	2.3 + 2.9	5.2 (2.7-5.5)	1390 (500-1700)	3.74	

* Note: these are the performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor Unit. The total capacity in Cooling cannot be more than 6.0 kW

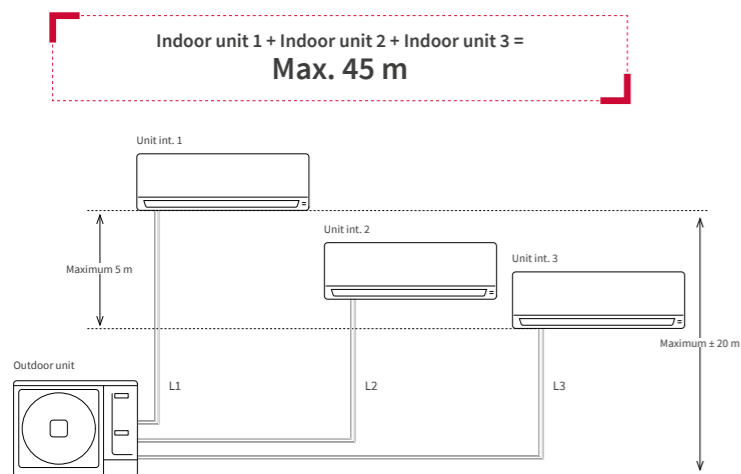
Combinations of Indoor units

RAM-E53N2HAE	COOLING MODE				HEATING MODE					
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
1 Unit*	1.5	1.5	1.5 (1.50-1.70)	430 (400-480)	3.49	2.0	2.0 (1.50-2.20)	850 (350-850)	2.35	
	1.8	1.8	1.8 (1.70-2.00)	495 (400-750)	3.64	2.5	2.5 (2.00-3.00)	1000 (350-1100)	2.50	
	2.5	2.5	2.5 (1.70-2.80)	700 (400-980)	3.57	3.4	3.4 (2.00-4.00)	1350 (350-1600)	2.52	
	3.5	3.5	3.5 (1.70-3.90)	1080 (400-1280)	3.24	4.3	4.3 (2.00-5.20)	1680 (350-1820)	2.56	
	5.0	5.0	5.0 (1.70-5.50)	1510 (400-1660)	3.31	6.5	6.3 (2.00-7.20)	1690 (550-2010)	3.73	
2 Unit	3.0	1.5 + 1.5	1.5 + 1.5	3.0 (2.40-3.50)	920 (400-1000)	3.26	2.0 + 2.0	4.0 (2.70-4.50)	1170 (550-1380)	3.42
	3.3	1.5 + 1.8	1.5 + 1.8	3.3 (2.40-3.80)	1000 (400-1300)	3.30	2.0 + 2.5	4.5 (2.70-5.00)	1380 (550-1870)	3.26
	4.0	1.5 + 2.5	1.5 + 2.5	4.0 (2.40-4.50)	1210 (400-1250)	3.31	2.0 + 3.4	5.4 (2.70-5.90)	1630 (550-2010)	3.31
	5.0	1.5 + 3.5	1.5 + 3.5	5.0 (2.40-5.50)	1520 (400-1660)	3.29	2.0 + 4.3	6.3 (2.70-6.80)	1630 (550-2010)	3.87
	6.5	1.5 + 5.0	1.3 + 4.2	5.3 (2.40-6.60)	1610 (400-1800)	3.29	1.6 + 5.2	6.3 (2.70-7.2)	1690 (550-2010)	3.73
	3.6	1.8 + 1.8	1.8 + 1.8	3.6 (2.40-4.00)	1030 (400-1300)	3.50	2.5 + 2.5	6.3 (2.70-6.90)	1450 (550-1550)	3.45
	4.3	1.8 + 2.5	1.8 + 2.5	4.3 (2.40-4.70)	1310 (400-1450)	3.28	2.5 + 3.4	6.3 (2.7-7.2)	1780 (550-1920)	3.31
	5.3	1.8 + 3.5	1.8 + 3.5	5.3 (2.40-5.80)	1600 (400-1660)	3.31	2.5 + 4.3	6.3 (2.70-7.2)	1690 (550-2010)	3.73
	6.8	1.8 + 5.0	1.5 + 4.0	5.5 (2.40-6.60)	1630 (400-1800)	3.25	1.9 + 4.9	6.3 (2.70-7.2)	1690 (550-2010)	3.73
	5.0	2.5 + 2.5	2.5 + 2.5	5.0 (2.40-5.50)	1520 (400-1660)	3.29	3.4 + 3.4	6.3 (2.70-7.2)	1820 (550-2250)	3.46
	6.0	2.5 + 3.5	2.3 + 3.2	5.5 (2.40-6.60)	1630 (400-1660)	3.25	3.0 + 3.8	6.3 (2.70-7.2)	1690 (550-2250)	3.73
	7.5	2.5 + 5.0	1.8 + 3.7	5.5 (2.40-6.60)	1630 (400-1800)	3.25	2.3 + 4.5	6.3 (2.70-7.2)	1690 (550-2250)	3.73
	7.0	3.5 + 3.5	2.8 + 2.8	5.5 (2.40-6.60)	1630 (400-1800)	3.25	3.4 + 3.4	6.3 (2.70-7.2)	1690 (550-2250)	3.73
8.5	3.5 + 5.0	2.3 + 3.2	5.5 (2.40-6.60)	1630 (400-1800)	3.25	2.7 + 4.1	6.3 (2.70-7.2)	1690 (550-2250)	3.73	

* Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor Unit. The total capacity in Cooling cannot be more than 8.5kW

RAM-E53N3HAE - Installation

Piping lengths RAM-RAM-E53N3HAE:



Installation features of the outdoor unit RAM-E53N3HAE

- Pre-loaded for **35 m.**
- Charge additional 20 g/m of refrigerant for piping lengths above **35 m.**
- Always connect the largest indoor unit to lowest piping connection.

Specific Installation requirements for units

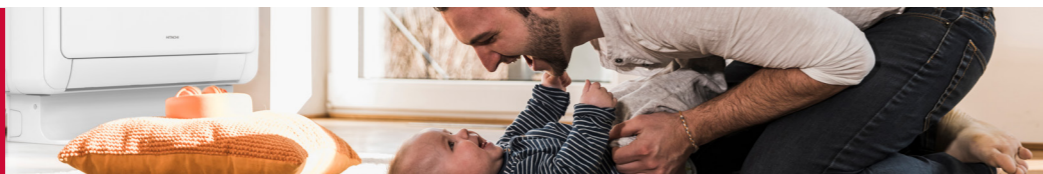
- Max. length of pipeline between an Indoor unit and the outdoor unit: **25 m.**
- Maximum height difference between 2 IUs is **5 m.**

Combinations of Indoor units

RAM-E53N3HAE	COOLING MODE					HEATING MODE				
	IU capacity (kW)		Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)		Total capacity (kW)	Total power input (W)	COP
1 Unit*	1.5	1.5	1.5	1.5 (1.50-1.70)	430 (400-480)	3.49	2.0	2.0 (1.50-2.20)	610 (550-850)	2.35
	1.8	1.8	2.0	2.0 (1.70-2.00)	495 (400-750)	3.64	2.5	2.5 (2.00-3.00)	1000 (550-1100)	2.50
	2.5	2.5	2.5	2.5 (1.70-2.80)	700 (400-980)	3.57	3.4	3.4 (2.00-4.00)	1430 (550-1600)	2.52
	3.5	3.5	3.5	3.5 (1.70-3.90)	1080 (400-1280)	3.24	4.3	4.3 (2.00-5.20)	1620 (550-1820)	2.56
2 Unit	5.0	5.0	5.0	5.0 (1.70-5.50)	1510 (400-1660)	3.31	6.5	6.3 (2.00-7.20)	1850 (550-2250)	3.73
	3.0	1.5+1.5	1.5+1.5	3.0 (2.40-3.50)	920 (400-1000)	3.26	2.0+2.0	4.0 (2.70-4.50)	1060 (550-1380)	3.42
	3.3	1.5+1.8	1.5+1.8	3.3 (2.40-3.80)	1000 (400-1300)	3.30	2.0+2.5	4.5 (2.70-5.00)	1250 (550-1870)	3.26
	4.0	1.5+2.5	1.5+2.5	4.0 (2.40-4.50)	1210 (400-1250)	3.31	2.0+3.4	5.4 (2.70-5.90)	1550 (550-2010)	3.31
	5.0	1.5+3.5	1.5+3.5	5.0 (2.40-5.50)	1520 (400-1660)	3.29	2.0+4.3	6.3 (2.70-6.80)	1590 (550-2010)	3.87
	6.5	1.5+5.0	1.2+4.1	5.3 (2.40-6.60)	1610 (400-1800)	3.29	1.5+4.8	6.3 (2.70-7.2)	1820 (550-2010)	3.73
	3.6	1.8+1.8	1.8+1.8	3.6 (2.40-4.00)	1030 (400-1300)	3.50	2.5+2.5	6.3 (2.70-6.90)	1290 (550-1550)	3.45
	4.3	1.8+2.5	1.8+2.5	4.3 (2.40-4.70)	1310 (400-1450)	3.28	2.5+3.4	6.3 (2.7-7.2)	1530 (550-1920)	3.31
	5.3	1.8+3.5	1.8+3.5	5.3 (2.40-5.80)	1600 (400-1660)	3.31	2.3+4.0	6.3 (2.70-7.2)	1615 (550-2010)	3.73
	6.8	1.8+5.0	1.4+3.9	5.5 (2.40-6.60)	1630 (400-1660)	3.25	1.8+4.6	6.3 (2.70-7.2)	1820 (550-2250)	3.73
	5.0	2.5+2.5	2.5+2.5	5.0 (2.40-5.50)	1520 (400-1800)	3.29	3.2+3.2	6.3 (2.70-7.2)	2010 (550-2250)	3.46
	6.0	2.5+3.5	2.1+3.1	5.5 (2.40-6.60)	1630 (400-1800)	3.25	2.8+3.5	6.3 (2.70-7.2)	1820 (550-2250)	3.73
7.5	2.5+5.0	1.8+3.5	5.5 (2.40-6.60)	1630 (400-2250)	3.25	2.2+4.1	6.3 (2.70-7.2)	2010 (550-2250)	3.73	
7.0	3.5+3.5	2.7+2.7	5.5 (2.40-6.60)	1630 (400-1800)	3.25	3.2+3.2	6.3 (2.70-7.2)	1600 (520-1848)	3.73	
8.5	3.5+5.0	2.2+3.1	5.5 (2.40-6.60)	1630 (400-2250)	3.25	2.5+3.8	6.3 (2.70-7.2)	1600 (520-2010)	3.73	
3 Unit	4.5	1.5+1.5+1.5	1.5+1.5	4.5 (2.70-5.00)	1320 (460-1680)	3.41	2.0+2.0+2.0	6.0 (2.90-6.5)	1650 (520-2250)	3.75
	4.8	1.5+1.5+1.8	1.5+1.5	4.8 (2.70-5.30)	1320 (460-1660)	3.64	1.9+1.9+2.4	6.3 (2.90-7.0)	1650 (520-2250)	3.94
	5.5	1.5+1.5+2.5	1.4+1.4	5.3 (2.70-6.00)	1600 (460-1660)	3.31	1.7+1.7+2.9	6.3 (2.90-7.0)	1680 (520-2250)	3.82
	6.5	1.5+1.5+3.5	1.2+1.2	5.3 (2.70-6.0)	1600 (460-1660)	3.31	1.5+1.5+3.3	6.3 (2.90-7.0)	1650 (520-2250)	3.82
	8.0	1.5+1.5+5.0	1.0+1.0	5.3 (2.70-6.0)	1630 (460-2250)	3.25	1.2+1.2+3.9	6.3 (2.90-7.0)	1680 (520-2250)	3.75
	5.1	1.5+1.8+1.8	1.5+1.8	5.1 (2.70-5.60)	1550 (460-1660)	3.29	1.8+2.3+2.3	6.3 (2.90-7.0)	1650 (520-2010)	3.82
	5.8	1.5+1.8+2.5	1.4+1.6	5.3 (2.70-6.30)	1600 (460-1660)	3.31	1.6+2.0+2.7	6.3 (2.90-7.0)	1690 (520-2250)	3.73
	6.8	1.5+1.8+3.5	1.2+1.4	5.3 (2.70-6.0)	1600 (460-2100)	3.31	1.4+1.8+3.1	6.3 (2.90-7.0)	1680 (520-2250)	3.75
	8.3	1.5+1.8+5.0	1.0+1.1	5.3 (2.70-6.0)	1630 (460-2250)	3.25	1.1+1.4+3.7	6.3 (2.90-7.0)	1680 (520-2250)	3.75
	6.5	1.5+2.5+2.5	1.2+2.0	5.3 (2.70-6.0)	1600 (460-1800)	3.31	1.4+2.4+2.4	6.3 (2.90-7.0)	1630 (520-2250)	3.87
	7.5	1.5+2.5+3.5	1.1+1.8	5.3 (2.40-6.0)	1600 (460-1800)	3.31	1.3+2.2+2.8	6.3 (2.90-7.0)	1680 (520-2250)	3.75
	8.5	1.5+3.5+3.5	0.9+2.2	5.3 (2.70-6.0)	1630 (460-2250)	3.25	1.2+2.6+2.6	6.3 (2.90-7.0)	1735 (520-2250)	3.63
	5.4	1.8+1.8+1.8	1.8+1.8	5.3 (2.70-5.90)	1600 (460-1800)	3.31	2.1+2.1+2.1	6.3 (2.90-7.0)	1650 (520-2250)	3.82
	6.1	1.8+1.8+2.5	1.6+1.6	5.3 (2.70-6.0)	1600 (460-1800)	3.31	1.9+1.9+2.6	6.3 (2.90-7.0)	1670 (520-2250)	3.77
	7.1	1.8+1.8+3.5	1.3+1.3	5.3 (2.70-6.0)	1630 (460-1660)	3.25	1.7+1.7+2.9	6.3 (2.90-7.0)	1690 (520-2250)	3.73
	8.6	1.8+1.8+5.0	1.1+1.1	5.3 (2.70-6.0)	1710 (460-2250)	3.10	1.4+1.4+3.6	6.3 (2.90-7.0)	1730 (520-2250)	3.64
	6.8	1.8+2.5+2.5	1.4+1.9	5.3 (2.70-6.0)	1600 (460-1800)	3.31	1.7+2.3+2.3	6.3 (2.90-7.0)	1690 (520-2250)	3.73
	7.8	1.8+2.5+3.5	1.2+1.7	5.3 (2.70-6.0)	1610 (460-2250)	3.29	1.5+2.1+2.7	6.3 (2.90-7.0)	1690 (520-2250)	3.73
	7.5	1.8+2.5+2.5	1.8+1.8	5.3 (2.40-6.0)	1580 (460-2250)	3.35	2.1+2.1+2.1	6.3 (2.90-7.0)	1650 (520-2250)	3.82
	8.5	2.5+2.5+3.5	1.6+1.6	5.3 (2.70-6.0)	1730 (460-2250)	3.06	1.9+1.9+2.4	6.3 (2.90-7.0)	1730 (520-2250)	3.64

* Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor Unit. The total capacity in Cooling cannot be more than 8.5kW

RESIDENTIAL



PRE-SALE

Multi Yutampo: first multisplit with DHW production on the market

- 1 single Outdoor unit (choice of 3 sizes),
- + 1 tank for DHW production/accumulation (choice of 2 sizes),
- + The residential Indoor units of your choice* (1 to 4 Units, wall, floor, ducted or cassette type).

INSTALLATION AND START-UP

Compact outdoor unit

Adapts to any type of Installation.



POST-SALE

Anode protection

For areas with high water hardness, an optional active anode is available for even greater protection of the stainless DHW tank.

Hi-Parts

The key online tool for distributors:










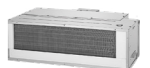

- Exploded product views
- Parts Ordering
- Warranty tracking



* All combinations of indoor unit types are allowed. The capacity combination should follow the instructions of combination tables.

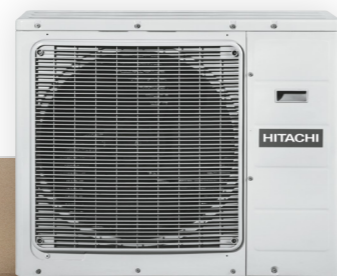
Multi Yutampo R32

Multisplit with DHW production

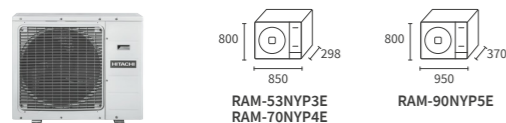
	RAM-53NYP3E	RAM-70NYP4E	RAM-90NYP5E			
Outdoor unit						
Nominal cooling capacity	5,3 kW	7,0 kW	8,5 kW			
Refrigerant	R32	R32	R32			
Energy class Cooling	A++	A++	A++			
Energy class Heating	A++	A++	A+			
Number of indoor unit connections	3 = 2 Indoor units + 1 Tank	4 = 3 Indoor units + 1 Tank	5 = 4 Indoor units + 1 Tank			
Max. piping length	L1 + L2 + L3 = 50 m	L1 + L2 + L3 + L4 = 60 m	L1 + L2 + L3 + L4 + L5 = 75 m			
	Yutampo R32 190 L	Yutampo R32 270 L				
						
	TAW-190RHC	TAW-270RHC				
Compatible DHW tanks						
Capacity	190 L		270 L			
Heating time (min.)	2h10		2h45			
	Performance	Hi-End (Shirokuma)	Shirokuma Floor	Ducted low ESP Up to 70 Pa	Ducted medium ESP Up to 150 Pa	Cassette 600x600
						
Compatible indoor units	RAK-QPE ; RAK-RPE	RAK-QXE ; RAK-RXE	RAF-RXE	RAD-QPE ; RAD-RPE	RAD-RPE	RAI-RPE
1,5 kW	•	-	-	-	-	-
1,8 kW	-	•	-	•	-	-
2 kW	•	-	-	-	-	-
2,5 kW	•	•	•	•	-	•
3,5 kW	•	•	•	•	-	•
4,2 kW	•	-	-	-	-	-
5 kW	•	•	•	-	•	•
6 kW	•	-	-	-	•	•

Multi Yutampo

5.3 to 8.5 kW (R32)



Outdoor unit



Compatible Accessories



+ IDEAL FOR NEW BUILDINGS

- The Multi Yutampo R32 heat pump system is the ideal choice for those seeking an efficient, GAS-FREE alternative to electric water heaters and small boilers.
- In addition to providing heating in winter and cooling in summer, Multi Yutampo quickly provides Class A+ Domestic Hot Water (DHW) with the built-in 190- or 270-liter Tank.

+ IDEAL FOR RENOVATION

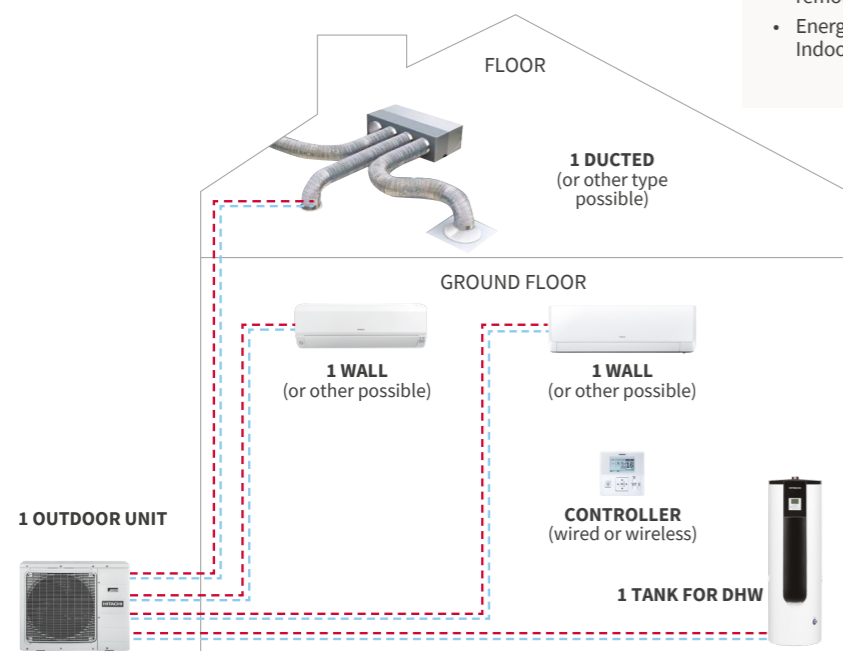
Multi Yutampo is the smart choice for holiday homes

- For those who do not have large spaces and need plug-and-play installations that reduce time and cost.

+ ENERGY SAVING

- Programming on three priority types (water/air/mixed)
- Setting of indoor AC units via airCloud Go app or by a remote controller
- Energy-saving ECO mode and motion sensor on some Indoor unit models

A unique concept in the market



Example of Installation

Multi Yutampo: Outdoor unit

Outdoor unit	Unit	RAM-53NYP3E	RAM-70NYP4E	RAM-90NYP5E
Cooling Performance				
Nominal cooling capacity (min-max)	kW	5,30 (1,50 - 6,60)	7,00 (1,50 - 8,80)	8,50 (1,50 - 9,50)
Nominal cooling power input (min-max)	kW	1,29 (0,46 - 2,96)	2,055 (0,46-3,20)	2,565 (0,50-3,85)
EER	-	4,10	3,41	3,31
Energy class Cooling	-	A++		A++
SEER (average climate)	-	7,60	7,40	7,30
Operating range	°C	-10°C / + 46°C		
Heating Performance				
Nominal cooling capacity (min-max)	kW	6,80 (1,50 - 7,20)	8,50 (1,50 - 9,50)	10,00 (1,50 - 11,50)
COP	-	4,20		3,90
Energy class Heating	-	A++		A+
SCOP (average climate)	-	4,60		4,30
Operating range	°C	-15°C/+24°C		
Technical features				
Number of Indoor units that can be connected (min - max)	-	1 - 2	2 - 3	2 - 4
Sound pressure Cooling ⁽¹⁾	dB(A)	50		52
Sound power Cooling	dB(A)	61	63	66
Air flow rate (Cooling / Heating)	m ³ /h	2160 / 2160	2700 / 2700	3900 / 3900
Dimensions (H x W x D)	mm	800 x 850 x 298		800 x 950 x 370
Net weight	kg	59	60	76
Compressor	-	TWIN Rotary		
Refrigerant cycle				
Piping diameter (Liq / gas)	inches	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	2,05		2,40
Pre-loaded for	m	30		35
Min. piping length	m	3		
Max. piping length / Additional charge	m/g/m	50 / 20	60 / 20	75 / 15
Max. height difference	m	20		
Refrigerant	-	R32		
Electrical features				
Power supply	-	220-230V		

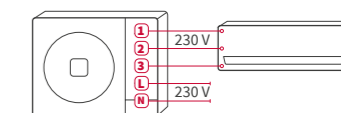
⁽¹⁾ Sound pressure measurements were made at a distance of 1 m from the unit and 1 meter from floor level. The above data was measured in an anechoic chamber. Please take into consideration reflected sound of your specific site.

Attention

The capacity of each Indoor unit depends on the Outdoor unit, the combination selected, the length of piping, and the Outdoor temperature.

Capacity of indoor units must not exceed capacity of outdoor unit: see the combination tables. For accurate selection, consult our technical documentation.

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



Yutampo Tank for DHW Production and Storage

190L or 270L (R32)



+ FAST HEATING

Adjustment of DHW production to two performance levels: High efficiency or high demand

190 L	270 L
COP 3,1	COP 3,2
TIME OF HEATING 2H10*	TIME OF HEATING 2H45*

+ COMPACTNESS

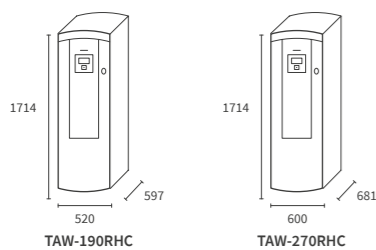
Compact tank dimensions



+ PROTECTION

- Stainless steel tank as standard
- Optional accessory Titanium active anode (ATW-CP-05) to prevent corrosion

Indoor units

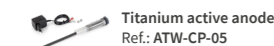


Compatible controls and accessories

Controls



Hydraulic accessory

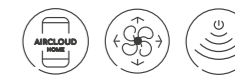


Tank Yutampo R32	Unit	TAW-190RHC	TAW-270RHC
Capacity	l	190	270
DHW piping diameter	inches	3/4 male	
Refrigerant piping diameter (flare)	inches	1/4 - 3/8	
Tank	-	Inox	
Electric booster heater	W	1 640	
Domestic hot water temperature without booster (with booster)	°C	55 (75)	
Heating Time (15°C to 55°C)	h	RAM-53NYP3E / RAM-70NYP4E = 2h20 RAM-90NYP5E = 2h10	RAM-53NYP3E / RAM-70NYP4E = 3h10 RAM-90NYP5E = 2h45
Maximal volume of usable hot water (at 40°C)	l	256	356
Standby power input	W	24,9	20,0
Tank dimensions (H x Ø x D)	mm	1714 x 520 x 597	1714 x 600 x 681
Weight	kg	49	54
Seasonal energy efficiency nwh (190L cycle / 270L XL cycle)	%	125	125
Max height difference between IU and DHW tank	m		10

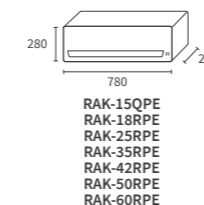
* With a RAM-90NYP5E.

Wall unit Performance

1.5kW to 5.0kW (R32), Multi Yutampo only



Indoor units

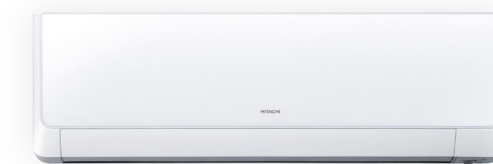


Model	Unit	RAK-15QPE	RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE	RAK-60RPE	
Nominal cooling capacity (min-max)	kW	1,50 (0,90 - 2,00)	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	4,20 (1,70 - 5,00)	5,00 (1,90 - 5,20)	6,00 (1,20-6,50)	
Nominal heating capacity (min-max)	kW	2,00 (1,00 - 2,50)	2,50 (0,90 - 3,20)	3,40 (0,90 - 4,40)	4,20 (0,90 - 5,00)	5,40 (1,70 - 6,00)	6,00 (2,20 - 7,30)	7,00 (1,20 - 8,00)	
Sound pressure Cooling (SL / L / M / H) ⁽¹⁾	dB(A)	20 / 24 / 30 / 34	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	25 / 28 / 39 / 46	25 / 28 / 39 / 46	30 / 33 / 42 / 48	
Air flow rate (SL / L / M / H)	m³/h	312 / 350 / 400 / 420	312 / 350 / 400 / 440	333 / 370 / 430 / 510	353 / 420 / 485 / 680	353 / 410 / 540 / 720	353 / 410 / 540 / 750	480 / 540 / 690 / 930	
Dehumidification	l/h	1,20	1,20	1,40	1,60	1,80	2,00	2,8	
Dimensions (H x W x D)	mm	280 x 780 x 230						300x900x230	
Piping diameter (Liq - Gas)	inches	1/4 - 3/8				1/4 - 1/2			
Net weight	kg	8,5						12	
Power supply	V	220 - 230V							
Controller	-	Infrared RAR-6NE1 (Included)						RAR-6N1 (Optional)	

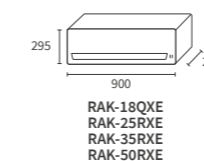
⁽¹⁾ Sound pressure measurements were made at 1m from the Unit in free field. (check the technical manual)

Wall unit Hi-End (Shirokuma)

1.8kW to 5.0kW (R32), Multi Yutampo only



Indoor units

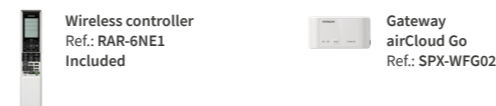


Model	Unit	RAK-18QXE	RAK-25RXE	RAK-35RXE	RAK-50RXE
Nominal cooling capacity (min-max)	kW	1,80 (1,00 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)
Nominal heating capacity (min-max)	kW	2,50 (1,10 - 3,20)	3,20 (0,90 - 4,20)	4,00 (0,90 - 4,80)	5,80 (2,20 - 7,00)
Sound pressure Cooling (SL / L / M / H) ⁽¹⁾	dB(A)	20 / 25 / 30 / 36	20 / 27 / 35 / 43	22 / 29 / 37 / 45	25 / 31 / 39 / 47
Sound power	dB(A)	49	58	60	60
Air flow rate Cooling (SL / L / M / H)	m³/h	300 / 330 / 430 / 500	300 / 330 / 510 / 600	320 / 340 / 520 / 660	350 / 400 / 580 / 720
Dehumidification	l/h	1,2	1,4	1,6	2,0
Dimensions (H x W x D)	mm	295 x 900 x 210			
Piping diameter (Liq - Gas)	inches	1/4 - 3/8		1/4 - 1/2	
Net weight	kg	11,0			
Power supply	V	220 - 230V			
Controller	-	Infrared RAR-6NE1 (Included)			

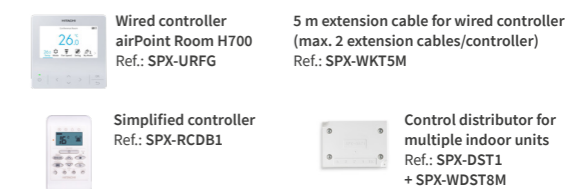
⁽¹⁾ Sound pressure measurements were made at 1m from the Unit in free field. (check the technical manual)

Compatible controls and accessories

Infrared wireless controller



Wired controllers



Dry contact kit

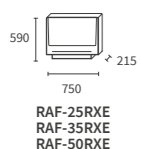
Single dry contact kit Ref.: SPX-WDC3	Fault report kit only Refs.: SPX-WDC7 + HA-S100TSA	Dry contact kit ON/OFF + fault report Refs.: SPX-WDC5 + HA-S100TSA	Fault reporting+ operational information Ref.: SPX-WDC8
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Floor unit (Shirokuma)

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



Indoor units



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

Compatible controls and accessories

Infrared wireless controller



Wireless controller
Ref.: RAR-6NE4
Included



Gateway airCloud Go
Ref.: SPX-WFG02

Wired controllers



Wired controller
airPoint Room H700
Ref.: SPX-URFG

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



Simplified controller
Ref.: SPX-RCDB1



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

Dry contact kit

Single dry contact kit
Ref.: SPX-WDC3

Fault reporting kit only
Ref.: SPX-WDC7 + Ref.: HA-S100TSA

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

Safety accessory according EN378

R32 leak sensor
Ref.: SPX-RAFGLS

Indoor units	Unit	RAF-25RXE	RAF-35RXE	RAF-50RXE
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (0,90 - 5,20)
Nominal heating capacity (min-max)	kW	3,40 (0,90 - 4,40)	4,50 (0,90 - 5,00)	6,00 (0,90 - 8,10)
Sound pressure 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)	m ³ /h	270 / 390 / 510 / 630	270 / 390 / 510 / 660	300 / 450 / 540 / 720
Dehumidification	l/h	1,4	1,9	2,8
Dimensions (H x W x D)	mm	590 x 750 x 215		
Condensate drain diameter (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		
Command	-	Infrared RAR-6NE4 (Included)		

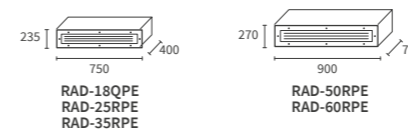
⁽¹⁾ Sound pressure measurements were made at a distance of 1 meter from the Unit in free field (see technical catalog).

Ducted unit

1.8kW to 6.0 kW (R32), Single split and Multi Yutampo



Indoor units



RAD-18QPE
RAD-25RPE
RAD-35RPE

RAD-50RPE
RAD-60RPE

Compatible controls and accessories

Infrared wireless controller



Wireless controller
Ref.: SPX-RCKA1



Gateway airCloud Go
Ref.: SPX-WFG02

Dry contact kit

Single dry contact kit
Ref.: SPX-WDC2

Remote sensor
Ref.: SPX-RTH1

Dry contact kit ON/OFF + fault report
Refs.: SPX-WDC6 + HA-S100TSA

Fault reporting + operational information
Ref.: SPX-WDC8

Wired controllers



Wired controller
airPoint Room H700
Ref.: SPX-URFG

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



Simplified controller
Ref.: SPX-RCDA1



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



Gateway 1-1 Modbus
Ref.: AZAI6WSCHT2



Gateway 1-1 KNX
Ref.: AZAI6KNXHT2

Indoor units	Unit	RAD-18QPE	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE
Nominal cooling capacity (min-max)	kW	1,80 (0,90 - 2,50)	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)
Nominal heating capacity (min-max)	kW	2,50 (0,90 - 3,20)	3,50 (0,90 - 5,50)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)
Sound pressure Cooling (SL / L / M / H) ⁽¹⁾	dB(A)	29/31/34/36	30 / 33 / 37 / 41		29 / 32 / 35 / 39	
Sound pressure Heating (SL / L / M / H) ⁽¹⁾	dB(A)	27/30/33/37	30 / 34 / 38 / 42		29 / 32 / 35 / 40	
Sound Power Cooling	dB(A)	57			55	
Air flow rate Cooling (SL / L / M / H)	m ³ /h	330 / 390 / 450 / 510			350 / 540 / 800 / 1140	
Static pressure (L/M/H)	Pa	70			50 / 100 / 150	
Dehumidification	l/h	1,4	1,6		2,8	2,8
Dimensions (H x W x D)	mm	235 x 750 x 400				270 x 900 x 720
Condensate drain diameter (ext)	mm	16				
Condensate pump	-	included				
Piping diameter (Liq - Gas)	inches	1/4 - 3/8			1/4 - 1/2	
Net weight	kg	16			35	
Power supply	V	220 - 230V				
Controller	-	Not included (SPX-RCKA1 / SPX-RCDA1 / SPX-URFG)				

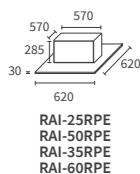
⁽¹⁾ Sound pressure measurements were made at a distance of 1 meter from the unit in free field (see technical catalog).

Cassette unit

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

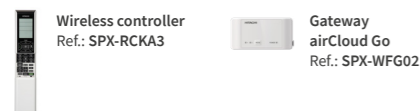


Indoor units



Compatible controls and accessories

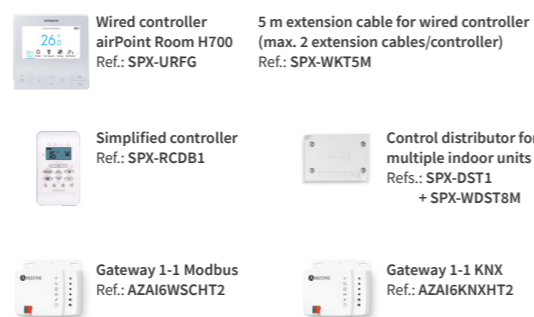
Infrared wireless controller



Dry contact kit

Single dry contact kit Ref.: SPX-WDC2
 Dry contact kit ON/OFF + fault report Ref.: SPX-WDC6 + Ref.: HA-S100TSA
 Fault reporting + operational information Ref.: SPX-WDC8

Wired controllers



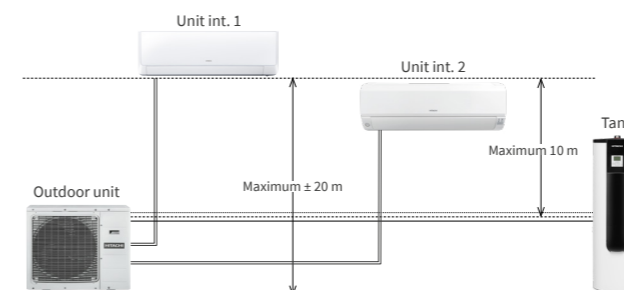
Indoor units	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,00)	3,50 (0,90 - 4,00)	5,00 (1,20 - 5,80)	6,00 (1,20 - 6,50)
Nominal heating capacity (min-max)	kW	3,50 (0,90 - 5,00)	4,80 (0,90 - 6,60)	6,00 (1,20 - 6,80)	7,00 (1,20 - 8,00)
Sound pressure Cooling (SL / L / M / H) ⁽¹⁾	-	27 / 31 / 35 / 38	27 / 33 / 37 / 40	29 / 35 / 39 / 43	30 / 36 / 40 / 44
Sound pressure Heating (SL / L / M / H) ⁽¹⁾	-	28 / 32 / 36 / 39	28 / 34 / 38 / 41	30 / 36 / 40 / 44	30 / 36 / 40 / 44
Sound power Cooling	dB(A)	54	56	56	56
Air flow rate Cooling (SL / L / M / H) ⁽¹⁾	m ³ /h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1,4	1,8	2,8	3,8
Dimensions (H x W x D)	mm	285 x 570 x 570			
Dimensions of the front panel (H x W x D)	mm	30 x 620 x 620			
Condensate drain diameter (ext)	mm	32			
Condensate 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 front panel	kg	2,8			
Front panel (need to order separately)	-	P-AP56NAMS			
Power supply	V	220 - 230V			
Controller	-	Not included (SPX-RCKA3 / SPX-RCDB1 / SPX-URFG)			

RAM-53NYP3E - Installation

Piping lengths RAM-53NYP3E

Indoor unit 1 + Indoor unit 2 + Storage tank = **Max. 50 m**

Example for a RAM-53NYP3E + RAK-18QXE + RAK-35RPE + TAW-190RHC



Installation features of the outdoor unit RAM-53NYP3E

- Pre-loaded for **30 m**.
- Charge additional 20 g/m of refrigerant for piping lengths above **30 m**.
- Always connect the largest indoor unit to lowest piping connection.
- Refrigerant piping diameters: **1/4" x3 / 3/8" x3**

Installation requirements for Indoor units

- Maximum piping length between IU and OU: **25 m**
- Maximum height difference between IU and OU: **20 m**.
- Max. height difference between IU and Tank DHW: **10 m***.

Installation requirements for DHW tank

- Max piping length between tank and OU: **20 m**
- Max height difference between tank and OU: **10 m**
- Tank connections are located 0.6 m above the floor.
- Max height difference between Tank DHW and IU: **10 m***.

Combinations of Indoor units

RAM - 53NYP3E	COOLING MODE				HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
1 Unit	15	1.50	1.50 (1.00 - 1.60)	430 (200 - 480)	3.49	2.00	2.00 (1.10 - 2.20)	560 (320 - 850)	3.57
	18	1.80	1.80 (1.50 - 2.00)	495 (280 - 500)	3.64	2.50	2.50 (1.80 - 3.50)	720 (320 - 1130)	3.47
	25	2.50	2.50 (1.50 - 2.80)	700 (280 - 720)	3.57	3.40	3.40 (1.80 - 4.70)	980 (320 - 1480)	3.47
	35	3.50	3.50 (1.50 - 3.90)	1030 (280 - 1130)	3.40	4.30	4.30 (1.80 - 5.80)	1150 (320 - 1950)	3.74
	42	4.20	4.20 (1.50 - 5.60)	1450 (280 - 1800)	2.90	6.50	6.50 (1.80 - 7.20)	1800 (320 - 2010)	3.61
	50	5.00	5.00 (1.50 - 5.60)	1480 (280 - 1800)	3.38	6.50	6.50 (1.80 - 7.20)	1880 (320 - 2530)	3.46
2 Unit	60	6.00	5.30 (1.50 - 6.60)	1481 (280 - 1930)	3.58	7.30	6.80 (1.80 - 7.80)	1880 (320 - 2530)	3.62
	15 + 15	1.50 + 1.50	3.00 (1.50 - 3.50)	870 (380 - 980)	3.45	2.00 + 2.00	4.00 (2.20 - 4.70)	1080 (200 - 1100)	3.70
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	950 (380 - 1000)	3.47	2.00 + 2.50	4.50 (2.20 - 5.20)	1200 (200 - 1300)	3.75
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	1300 (380 - 1300)	3.08	2.00 + 3.40	5.40 (2.20 - 6.40)	1450 (200 - 1780)	3.72
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.20)	1450 (380 - 1450)	3.45	2.00 + 4.30	6.30 (2.20 - 7.20)	1660 (200 - 2010)	3.80
	15 + 42 ⁽¹⁾	1.39 + 3.91	5.30 (1.50 - 5.90)	1580 (380 - 2380)	3.35	1.60 + 5.20	6.80 (2.20 - 7.20)	1680 (320 - 2010)	4.05
	18 + 18	1.80 + 1.80	3.60 (1.50 - 5.90)	1020 (380 - 1020)	3.53	2.50 + 2.50	5.00 (2.20 - 6.40)	1380 (320 - 2010)	3.62
	18 + 25	1.80 + 2.50	4.30 (1.50 - 5.90)	1200 (380 - 1360)	3.58	2.50 + 3.40	5.90 (2.20 - 7.20)	1580 (320 - 2010)	3.73
	18 + 35	1.80 + 3.50	5.30 (1.50 - 5.90)	1290 (380 - 1950)	4.11	2.50 + 4.30	6.80 (2.20 - 7.20)	1650 (320 - 2010)	4.12
	18 + 42 ⁽¹⁾	1.80 + 5.00	5.30 (1.50 - 5.90)	1620 (380 - 2820)	3.27	1.89 + 4.91	6.80 (2.20 - 9.50)	1700 (430 - 2600)	4.00
25 + 25	2.50 + 2.50	5.00 (2.00 - 5.50)	1480 (380 - 1720)	3.38	3.40 + 3.40	6.80 (2.20 - 9.50)	1770 (430 - 2010)	3.84	
25 + 35	2.50 + 3.50	5.30 (2.00 - 6.60)	1640 (380 - 2380)	3.23	3.00 + 3.80	6.80 (2.20 - 9.50)	1880 (430 - 2010)	3.62	

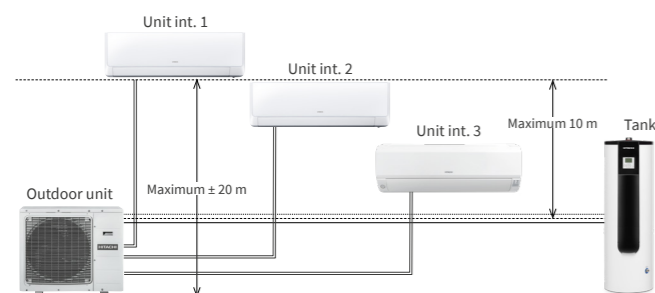
⁽¹⁾ A refrigerant piping adapter from 3/8 to 1/2 inch is required for connection of units of 42, 50, 60 size.
 * For optimal Performance of the Outdoor unit, it is recommended to keep the height difference less than or equal to 5 meters.

RAM-70NYP4E - Installation

Piping lengths RAM-70NYP4E

Indoor unit 1 + Indoor unit 2 + Indoor unit 3 + Storage tank = **Max. 60 m**

Example for a RAM-70NYP4E + RAK-18QXE + RAK-18QXE + RAK-35RPE + TAW-270RHC



Installation features of the outdoor unit RAM-70NYP4E

- Pre-loaded for **30 m**.
- Charge additional 20 g/m of refrigerant for piping lengths above **30 m**.
- Always connect the largest indoor unit to lowest piping connection.
- Diameter of Refrigerant piping: **1/4" x4 / 3/8" x3 + 1/2" x1**

Installation requirements for Indoor units

- Max piping length between IU and OU: **25 m**.
- Max pipe height difference between IU and OU: **20 m**.
- Max height difference between IU plus above and Tank for DHW: **10 m***.

Installation requirements for DHW tank

- Max piping length between tank and OU: **20 m**.
- Max height difference between tank and OU: **10 m**.
- Tank connections are 0.6 m above the floor.
- Max height difference between the IU plus above and DHW Tank: **10 m***.

Combinations of Indoor units

RAM - 70NYP4E	COOLING MODE					HEATING MODE			
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
1 Unit ⁽¹⁾	15	1.50 (1.50 - 1.60)	400 (200 - 480)	3.75	2.00	2.00 (1.50-2.20)	560 (320-850)	3.57	
	18	1.80 (1.50 - 2.00)	450 (280 - 500)	4.00	2.50	2.50 (1.80-3.50)	720 (320-1130)	3.47	
	25	2.50 (1.50 - 2.80)	650 (280 - 720)	3.85	3.40	3.40 (1.80-4.70)	980 (320-1480)	3.47	
	35	3.50 (1.50 - 3.90)	1030 (280 - 1130)	3.40	4.30	4.30 (1.80-5.80)	1150 (320-1950)	3.74	
	42	4.20 (1.50 - 5.60)	1450 (280 - 1800)	2.90	5.20	5.20 (1.80-7.20)	2030 (320-2530)	2.56	
	50	5.00 (1.50 - 5.60)	1450 (280 - 1800)	3.45	6.50	6.50 (1.80-7.20)	2030 (320-2530)	3.20	
2 Unit	15 + 15	3.00 (1.50 - 2.80)	870 (380 - 980)	3.45	2.00 + 2.00	4.00 (2.20 - 4.70)	1080 (200 - 1100)	3.70	
	15 + 18	3.30 (1.50 - 3.50)	950 (380 - 1000)	3.47	2.00 + 2.50	4.50 (2.20 - 5.20)	1200 (200 - 1300)	3.75	
	15 + 25	4.00 (1.50 - 4.00)	1150 (380 - 1300)	3.48	2.00 + 3.40	5.40 (2.20 - 6.40)	1450 (200 - 1780)	3.72	
	15 + 35	5.00 (1.50 - 5.20)	1450 (380 - 1450)	3.45	2.00 + 4.30	6.30 (2.20 - 7.20)	1660 (200 - 2010)	3.80	
	15 + 42	5.70 (1.50 - 5.90)	1950 (380 - 2380)	2.92	2.00 + 6.50	8.50 (2.20 - 7.20)	2200 (390 - 3120)	3.86	
	15 + 50	6.50 (1.50 - 5.90)	2000 (380 - 2380)	3.25	2.00 + 6.50	8.50 (2.20 - 7.20)	2200 (390 - 3120)	3.86	
	18 + 18	3.60 (2.00 - 4.00)	1020 (380 - 1020)	3.53	2.50 + 2.50	5.00 (2.20 - 6.40)	1380 (390 - 2750)	3.62	
	18 + 25	4.30 (2.00 - 4.70)	1120 (380 - 1360)	3.84	2.50 + 3.40	5.90 (2.20 - 7.20)	1610 (390 - 3000)	3.66	
	18 + 35	5.30 (2.00 - 5.80)	1600 (380 - 1950)	3.31	2.50 + 4.30	6.80 (2.20 - 7.20)	1850 (390 - 3120)	3.68	
	18 + 42	6.00 (2.00 - 7.10)	1800 (380 - 2820)	3.33	2.36 + 6.14	8.50 (2.20 - 9.50)	2110 (390 - 3120)	4.03	
	25 + 25	5.00 (2.00 - 5.50)	1410 (380 - 1720)	3.55	3.40 + 3.40	6.80 (2.20 - 9.50)	1850 (390 - 3120)	3.68	
	25 + 35	6.00 (2.00 - 6.60)	1850 (380 - 2380)	3.24	3.60 + 4.30	7.70 (2.20 - 9.50)	2120 (390 - 3120)	3.63	
	25 + 42	6.70 (2.00 - 7.50)	2100 (380 - 2980)	3.19	2.92 + 5.58	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
	35 + 35	7.00 (2.00 - 7.40)	1890 (380 - 2940)	3.70	4.25 + 4.25	8.50 (2.20 - 9.50)	2020 (390 - 3120)	4.21	
35 + 42	7.00 (2.00 - 7.50)	2100 (380 - 2890)	3.33	3.38 + 5.12	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62		

⁽¹⁾ Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit.
* For optimal Performance of the Outdoor unit, it is recommended to keep the height difference less than or equal to 5 meters.

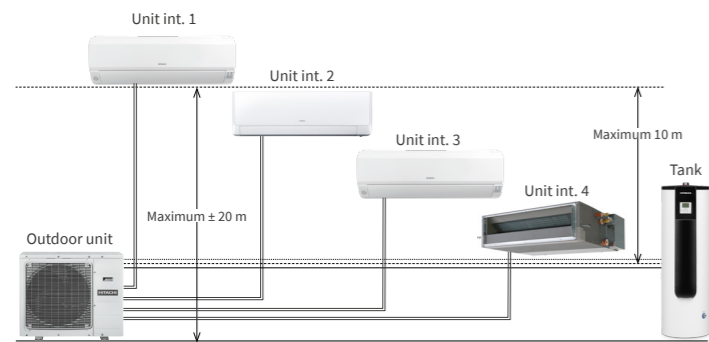
RAM - 70NYP4E	COOLING MODE					HEATING MODE			
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
3 Unit	15 + 15 + 15	4.50 (2.20 - 5.00)	1400 (420 - 1680)	3.21	2.00 + 2.00 + 2.00	6.00 (2.40 - 6.50)	1650 (430 - 1800)	3.64	
	15 + 15 + 18	4.80 (2.20 - 5.50)	1480 (240 - 1880)	3.24	2.00 + 2.00 + 2.50	6.50 (2.40 - 7.00)	1750 (430 - 2100)	3.71	
	15 + 15 + 25	5.50 (2.20 - 6.00)	1680 (420 - 2280)	3.27	2.00 + 2.00 + 3.40	7.40 (2.20 - 9.30)	2010 (430 - 2200)	3.68	
	15 + 15 + 35	6.50 (2.20 - 7.00)	2010 (420 - 2480)	3.23	2.00 + 2.00 + 4.30	8.30 (2.40 - 9.50)	2260 (430 - 2500)	3.67	
	15 + 15 + 42	7.00 (2.20 - 7.50)	2100 (420 - 2890)	3.33	1.62 + 1.62 + 5.26	8.50 (2.40 - 9.50)	2300 (430 - 2600)	3.70	
	15 + 18 + 18	5.10 (2.20 - 5.60)	1550 (420 - 2280)	3.29	2.00 + 2.50 + 2.50	7.00 (2.20 - 9.30)	1900 (430 - 2400)	3.68	
	15 + 18 + 25	5.80 (2.20 - 6.30)	1800 (420 - 2480)	3.22	2.00 + 2.50 + 3.40	7.90 (2.40 - 9.50)	2150 (430 - 2600)	3.67	
	15 + 18 + 35	6.80 (2.20 - 7.50)	2100 (420 - 2480)	3.24	1.93 + 2.41 + 4.15	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	15 + 18 + 42	7.00 (2.20 - 7.50)	2100 (420 - 2890)	3.33	1.55 + 1.93 + 5.02	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	15 + 25 + 25	6.50 (2.20 - 7.00)	2020 (420 - 2480)	3.22	1.93 + 3.28 + 3.28	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	15 + 25 + 35	7.00 (2.20 - 7.80)	2100 (420 - 2890)	3.33	1.75 + 2.98 + 3.77	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	15 + 35 + 35	7.00 (2.20 - 8.00)	2100 (420 - 2890)	3.33	1.60 + 3.45 + 3.45	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
	15 + 42 + 42	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.13 + 3.68 + 3.68	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
	18 + 18 + 18	5.40 (2.20 - 5.90)	1450 (420 - 2190)	3.72	2.50 + 2.50 + 2.50	7.50 (2.40 - 9.50)	2050 (430 - 2600)	3.66	
	18 + 18 + 25	6.10 (2.20 - 6.70)	1720 (420 - 2480)	3.55	2.50 + 2.50 + 3.40	8.40 (2.40 - 9.50)	2290 (430 - 2600)	3.67	
	18 + 18 + 35	7.00 (2.20 - 7.80)	2080 (420 - 2890)	3.37	2.28 + 2.28 + 3.93	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	18 + 18 + 42	7.00 (2.20 - 8.00)	2080 (420 - 2890)	3.37	1.85 + 1.85 + 4.80	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
	18 + 25 + 25	6.8 (2.20 - 7.50)	2080 (420 - 2780)	3.27	2.28 + 3.11 + 3.11	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	18 + 25 + 35	7.00 (2.20 - 8.00)	2080 (420 - 2890)	3.37	2.08 + 2.83 + 3.58	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
	18 + 25 + 42	7.00 (2.20 - 8.00)	2080 (420 - 2770)	3.37	1.71 + 2.33 + 4.46	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 35 + 35	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.91 + 3.29 + 3.29	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71		
25 + 25 + 25	7.00 (2.20 - 7.80)	2080 (420 - 2890)	3.37	2.83 + 2.83 + 2.83	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71		
25 + 25 + 35	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.60 + 2.60 + 3.29	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71		

RAM-90NYP5E - Installation

Piping lengths RAM-90NYP5E

Indoor unit 1 + Indoor unit 2 + Indoor unit 3 + Indoor unit 4 + Storage tank = **Max. 75 m**

Example for a RAM-90NYP5E + RAK-15QPE + RAK-18QXE + RAK-25RPE + RAD-60RPE + TAW-270RHC



Installation features of the outdoor unit RAM-90NYP5E

- Pre-loaded for **35 m**.
- Charge additional 15 g/m of refrigerant for piping lengths above **35 m**.
- Always connect the largest indoor unit to lowest piping connection.
- Refrigerant piping diameter: **1/4" x5 / 3/8" x3 + 1/2" x2**

Specific installation requirements for Indoor units

- Max piping length between IU and OU: **25 m**.
- Max height difference between IU and OU: **20 m**.
- Max height difference between IU plus above and DHW Tank: **10 m***.

Installation requirements for DHW tank

- Max piping length between tank and OU: **20 m**.
- Max pipe height difference between tank and OU: **10 m**.
- Tank connections are 0.6 m above the floor.
- Max pipe length between IU plus above and DHW Tank: **10 m***.

RAM - 90NYP5E	COOLING MODE					HEATING MODE			
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
3 Unit	15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.70 - 5.00)	1250 (510 - 1500)	3.60	2.00 + 2.00 + 2.00	6.00 (2.90 - 6.50)	1540 (520 - 1848)	3.90
	15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.70 - 5.30)	1350 (510 - 1620)	3.56	2.00 + 2.00 + 2.50	6.50 (2.90 - 7.00)	1800 (520 - 2160)	3.61
	15 + 15 + 25	1.50 + 1.50 + 2.50	5.50 (2.70 - 6.00)	1490 (510 - 1788)	3.69	2.00 + 2.00 + 3.40	7.40 (2.90 - 7.90)	2010 (520 - 2412)	3.68
	15 + 15 + 35	1.50 + 1.50 + 3.50	6.50 (2.70 - 7.00)	2100 (510 - 2678)	3.10	2.00 + 2.00 + 4.30	8.30 (2.90 - 8.80)	2420 (520 - 2904)	3.43
	15 + 15 + 42	1.50 + 1.50 + 4.20	7.20 (2.70 - 8.50)	2150 (510 - 2676)	3.35	2.00 + 2.00 + 5.20	9.20 (2.90 - 11.00)	2180 (520 - 1848)	4.22
	15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.70 - 5.60)	1350 (510 - 1620)	3.78	2.00 + 2.50 + 2.50	7.00 (2.90 - 7.50)	1880 (520 - 2280)	3.72
	15 + 18 + 25	1.50 + 1.80 + 2.50	5.80 (2.70 - 6.30)	1350 (510 - 1620)	4.30	2.00 + 2.50 + 3.40	7.90 (2.90 - 8.40)	2130 (520 - 2616)	3.71
	15 + 18 + 35	1.50 + 1.80 + 3.50	6.80 (2.70 - 7.30)	1850 (510 - 2844)	3.68	2.00 + 2.50 + 4.30	8.80 (2.90 - 9.30)	2350 (520 - 1848)	3.74
	15 + 25 + 25	1.50 + 2.50 + 2.50	6.50 (2.70 - 7.00)	1800 (510 - 2520)	3.61	2.00 + 3.40 + 3.40	8.80 (2.90 - 9.30)	2350 (520 - 1848)	3.74
	15 + 25 + 35	1.50 + 2.50 + 3.50	7.50 (2.40 - 7.00)	2100 (510 - 3096)	3.57	2.00 + 3.40 + 4.30	9.70 (2.90 - 10.20)	2620 (520 - 1848)	3.70
	15 + 25 + 42	1.50 + 2.50 + 4.20	8.20 (2.70 - 9.50)	2200 (510 - 3360)	3.73	1.89 + 3.21 + 4.91	10.00 (2.70 - 11.00)	2620 (520 - 1848)	3.82
	15 + 35 + 35	1.50 + 3.50 + 3.50	8.50 (2.70 - 9.00)	2560 (510 - 3360)	3.32	1.89 + 4.06 + 4.06	10.00 (2.90 - 11.10)	2990 (520 - 3360)	3.34
	15 + 42 + 42	1.29 + 3.61 + 3.61	8.50 (2.70 - 9.50)	2560 (510 - 3216)	3.32	1.61 + 4.19 + 4.19	10.00 (2.90 - 11.10)	2990 (520 - 3360)	3.34
	18 + 18 + 18	1.80 + 1.80 + 1.80	5.40 (2.70 - 5.90)	1480 (510 - 1780)	3.65	2.50 + 2.50 + 2.50	7.50 (2.90 - 9.10)	2020 (520 - 2440)	3.71
	18 + 18 + 25	1.80 + 1.80 + 2.50	6.10 (2.70 - 6.70)	1780 (510 - 2150)	3.43	2.50 + 2.50 + 3.40	8.40 (2.90 - 9.50)	2210 (520 - 2620)	3.80
	18 + 18 + 35	1.80 + 1.80 + 3.50	7.10 (2.70 - 7.80)	1910 (510 - 2310)	3.72	2.50 + 2.50 + 4.29	9.30 (2.90 - 10.20)	2370 (520 - 2740)	3.92
	18 + 18 + 42	1.80 + 1.80 + 4.20	7.80 (2.70 - 7.80)	1910 (510 - 3260)	4.08	2.45 + 2.45 + 5.09	10.00 (2.90 - 10.20)	2370 (520 - 3060)	4.22

Combinations of Indoor units

RAM - 90NYP5E	COOLING MODE					HEATING MODE			
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP	
1 Unit ⁽¹⁾	15	1.50	1.5 (1.50 - 1.80)	500 (500 - 680)	3.57	2.00	2.00 (1.50 - 2.20)	620 (500 - 850)	3.23
	18	1.80	2.00 (1.70 - 2.00)	500 (500 - 680)	3.60	2.50	2.50 (2.00 - 3.00)	780 (500 - 920)	3.21
	25	2.50	2.50 (1.70 - 2.80)	700 (500 - 860)	3.57	3.40	3.40 (2.00 - 4.00)	1140 (500 - 1340)	2.98
	35	3.50	3.50 (1.70 - 3.90)	1040 (500 - 1270)	3.37	4.30	4.30 (2.00 - 5.20)	1420 (500 - 1720)	3.03
	42	4.20	4.20 (1.70 - 4.20)	1250 (500 - 1270)	3.36	5.20	5.20 (2.00 - 6.50)	1420 (500 - 1720)	3.66
	50	5.00	5.00 (1.70 - 5.50)	1540 (500 - 1860)	3.25	6.50	6.50 (2.00 - 7.30)	2300 (500 - 2580)	2.83
60	6.00	6.00 (1.70 - 6.60)	1630 (500 - 1860)	3.68	7.50	7.50 (2.00 - 8.20)	2300 (500 - 2950)	3.26	
2 Unit	15 + 15	1.50 + 1.50	3.00 (2.40 - 3.50)	850 (500 - 1020)	3.53	2.00 + 2.00	4.00 (2.70 - 4.50)	950 (500 - 1140)	4.21
	15 + 18	1.50 + 1.80	3.30 (2.40 - 3.80)	950 (500 - 1140)	3.47	2.00 + 2.50	4.50 (2.70 - 5.00)	1180 (500 - 1416)	3.81
	15 + 25	1.50 + 2.50	4.00 (2.40 - 4.50)	1250 (500 - 1500)	3.20	2.00 + 3.40	5.40 (2.70 - 5.90)	1320 (500 - 1584)	4.09
	15 + 35	1.50 + 3.50	5.00 (2.40 - 5.50)	1550 (500 - 1860)	3.23	2.00 + 4.30	6.30 (2.70 - 6.80)	1550 (500 - 1860)	4.06
	15 + 42	1.50 + 4.20	5.70 (2.40 - 7.00)	1600 (500 - 1860)	3.56	2.00 + 5.20	7.20 (2.70 - 8.0)	1850 (500 - 2560)	3.89
	15 + 50	1.50 + 5.00	6.50 (2.40 - 7.00)	2100 (500 - 2520)	3.10	2.00 + 6.50	8.50 (2.70 - 9.00)	2300 (500 - 2760)	3.70
	18 + 18	1.80 + 1.80	3.60 (2.40 - 4.00)	970 (500 - 860)	3.71	2.50 + 2.50	5.00 (2.70 - 6.90)	1240 (500 - 1710)	4.03
	18 + 25	1.80 + 2.50	4.30 (2.40 - 4.70)	1000 (500 - 1190)	4.30	2.50 + 3.40	5.90 (2.70 - 7.70)	1530 (500 - 1990)	3.86
	18 + 35	1.80 + 3.50	5.30 (2.40 - 5.80)	1590 (500 - 1900)	3.33	2.50 + 4.30	6.80 (2.70 - 8.50)	1870 (500 - 2320)	3.64
	18 + 42	1.80 + 4.20	6.00 (2.40 - 5.80)	1850 (500 - 1900)	3.24	2.50 + 5.20	7.70 (2.70 - 10.00)	2200 (500 - 2880)	3.50
	25 + 25	2.50 + 2.50	5.00 (2.40 - 5.50)	1370 (500 - 1640)	3.65	3.40 + 3.40	6.80 (2.70 - 8.50)	1920 (500 - 2250)	3.54
	25 + 35	2.50 + 3.50	6.00 (2.40 - 6.60)	2000 (500 - 2400)	3.00	3.40 + 4.30	7.70 (2.70 - 9.20)	2280 (500 - 2590)	3.38
	25 + 42	2.50 + 4.20	6.70 (2.40 - 6.60)	2000 (500 - 3470)	3.35	3.40 + 5.20	8.60 (2.70 - 9.20)	2400 (500 - 3110)	3.58
	25 + 50	2.50 + 5.00	7.50 (2.40 - 7.00)	2580 (500 - 3470)	2.91	3.40 + 6.50	9.90 (2.70 - 10.50)	2720 (500 - 3110)	3.64
	35 + 35	3.50 + 3.50	7.00 (2.40 - 7.70)	2490 (450 - 2990)	2.81	4.30 + 4.30	8.60 (2.70 - 10.00)	2460 (500 - 2860)	3.50
	35 + 42	3.50 + 4.20	7.70 (2.40 - 7.70)	2490 (500 - 2990)	3.09	4.30 + 5.20	9.50 (2.70 - 11.00)	2680 (500 - 3320)	3.54
	35 + 50	3.50 + 5.00	8.50 (2.40 - 8.80)	2900 (500 - 3270)	2.93	3.98 + 6.02	10.00 (2.70 - 11.00)	2940 (500 - 3320)	3.40
	42 + 42	4.20 + 4.20	8.40 (2.40 - 8.80)	2490 (450 - 3270)	3.37	4.30 + 4.30	8.60 (2.70 - 11.00)	2460 (500 - 3200)	3.50
	42 + 50	3.88 + 4.62	8.50 (2.40 - 8.80)	2900 (450 - 3270)	2.93	4.30 + 5.20	9.50 (2.70 - 11.00)	2940 (500 - 3200)	3.23
	42 + 60	3.50 + 5.00	8.50 (2.40 - 9.10)	2900 (450 - 3420)	2.93	3.98 + 6.02	10.00 (2.70 - 11.40)	2940 (500 - 3200)	3.40
50 + 50	4.25 + 4.25	8.50 (2.40 - 9.20)	2900 (450 - 3460)	2.93	5.00 + 5.00	10.00 (2.70 - 11.40)	2940 (500 - 3200)	3.40	

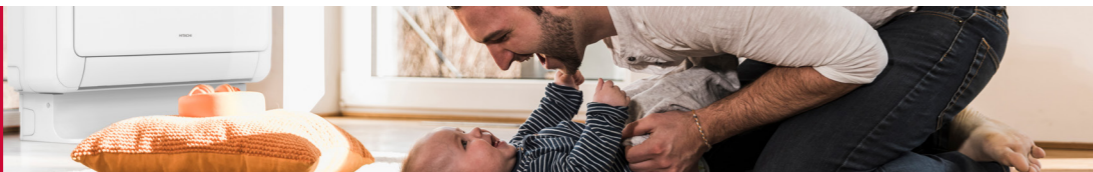
⁽¹⁾ Note: performance when only one Unit is in operation. However, at least 2 Units must be connected to the Outdoor unit.
* For optimal Performance of the Outdoor unit, it is recommended to keep the height difference less than or equal to 5 meters.

RAM - 90NYP5E	COOLING MODE					HEATING MODE				
	IU capacity (kW)	Total capacity (kW)	Total power input (W)	EER	IU capacity (kW)	Total capacity (kW)	Total power input (W)	COP		
3 Unit	18+25+25	1.80+2.50+2.50	6.80 (2.70 - 7.50)	1860 (510 - 2260)	3.66	2.49+3.41+3.41	9.30 (2.90 - 10.00)	2370 (520 - 2760)	3.92	
	18+25+35	1.80+2.50+3.50	7.80 (2.7 - 8.6)	2190 (510 - 2660)	3.56	2.45+3.33+4.22	10.00 (2.90 - 10.70)	2530 (520 - 2880)	3.95	
	18+25+42	1.80+2.50+4.20	8.50 (2.7 - 8.6)	2190 (510 - 3270)	3.88	2.25+3.06+4.68	10.00 (2.90 - 11.00)	2530 (520 - 3220)	3.95	
	18+35+35	1.74+3.38+3.38	8.50 (2.70 - 9.70)	2600 (510 - 3260)	3.27	2.25+3.87+3.87	10.00 (2.90 - 11.60)	2750 (520 - 3060)	3.64	
	18+42+42	1.50+3.50+3.50	8.50 (2.70 - 9.90)	2600 (510 - 3320)	3.27	2.25+3.87+3.87	10.00 (2.90 - 11.60)	2750 (520 - 3330)	3.64	
	25+25+25	2.50+2.50+2.50	7.50 (2.40 - 7.00)	2120 (510 - 2580)	3.54	3.33+3.33+3.33	10.00 (2.90 - 10.40)	2540 (520 - 2920)	3.94	
	25+25+35	2.50+2.50+3.50	8.50 (2.70 - 9.4)	2560 (510 - 3110)	3.32	3.06+3.06+3.87	10.00 (2.90 - 11.20)	2730 (520 - 3070)	3.66	
	25+25+42	2.31+2.31+3.88	8.50 (2.70 - 9.4)	2560 (510 - 3360)	3.32	2.83+2.83+4.33	10.00 (2.90 - 11.60)	2730 (520 - 3330)	3.66	
	25+25+50	2.13+2.13+4.25	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.56+2.56+4.89	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
	25+25+60	1.93+1.93+4.64	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.38+2.38+5.24	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
	25+35+35	2.23+3.13+3.13	8.50 (2.70 - 9.90)	2600 (510 - 3330)	3.27	2.83+3.58+3.58	10.00 (2.90 - 11.60)	2890 (520 - 3220)	3.46	
	25+35+42	2.07+2.92+3.50	8.50 (2.70 - 9.90)	2600 (510 - 3350)	3.27	2.64+3.33+4.03	10.00 (2.90 - 11.60)	2890 (520 - 3330)	3.46	
	25+35+50	1.93+2.69+3.87	8.50 (2.70 - 9.90)	2620 (510 - 3350)	3.24	2.39+3.02+4.59	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
	25+42+42	1.94+3.28+3.28	8.50 (2.70 - 9.90)	2600 (510 - 3360)	3.27	2.83+3.58+3.58	10.00 (2.90 - 11.70)	2890 (520 - 3330)	3.46	
4 Unit	15+15+15+15	1.50+1.50+1.50+1.50	6.00 (2.90-6.50)	1580 (550-1620)	3.80	2.00+2.00+2.00+2.00	8.00 (3.00-8.50)	2000 (540-2652)	4.00	
	15+15+15+18	1.50+1.50+1.50+1.80	6.30 (2.90-6.50)	1630 (550-1776)	3.87	2.00+2.00+2.00+2.50	8.50 (3.00-9.00)	2200 (540-2760)	3.87	
	15+15+15+25	1.50+1.50+1.50+2.50	7.00 (2.90-7.50)	1780 (550-2136)	3.94	2.00+2.00+2.00+3.40	9.40 (3.00-9.90)	2390 (540-3036)	3.94	
	15+15+15+35	1.50+1.50+1.50+3.50	8.00 (2.90-8.50)	2500 (550-3180)	3.20	1.95+1.95+1.95+4.18	10.00 (3.00-10.80)	2550 (540-3468)	3.93	
	15+15+15+42	1.47+1.47+1.47+4.11	8.50 (2.90-8.50)	2600 (550-3180)	3.27	1.79+1.79+1.79+4.65	10.00 (3.00-11.50)	2550 (540-3360)	3.93	
	15+15+15+50	1.35+1.35+1.35+4.48	8.50 (2.90-8.50)	2650 (550-3180)	3.21	1.60+1.60+1.60+5.20	10.00 (3.00-11.50)	2890 (540-3360)	3.47	
	15+15+18+18	1.50+1.50+1.80+1.80	6.60 (2.90-7.10)	1750 (550-2100)	3.78	2.00+2.00+2.50+2.50	9.00 (3.00-9.50)	2380 (540-3048)	3.79	
	15+15+18+25	1.50+1.50+1.80+2.50	7.30 (2.90-7.80)	1850 (550-2220)	3.95	2.00+2.00+2.50+3.40	9.90 (3.00-10.40)	2530 (540-3144)	3.92	
	15+15+18+35	1.50+1.50+1.80+3.50	8.30 (2.90-8.80)	2180 (550-2616)	3.81	1.86+1.86+2.32+3.99	10.00 (3.00-11.30)	2480 (540-3468)	4.04	
	15+15+18+42	1.42+1.42+1.70+3.97	8.50 (2.90-8.50)	2350 (550-3120)	3.62	1.71+1.71+2.14+4.45	10.00 (3.00-11.30)	2480 (540-3360)	4.04	
	15+15+18+50	1.31+1.31+1.57+4.34	8.50 (2.90-8.50)	2600 (550-3120)	3.27	1.54+1.54+1.93+5.00	10.00 (3.00-11.50)	2890 (540-3360)	3.47	
	15+15+25+25	1.50+1.50+2.50+2.50	8.00 (2.90-8.50)	2150 (550-2580)	3.73	1.86+1.86+3.15+3.15	10.00 (3.00-11.30)	2480 (540-3420)	4.04	
	15+15+25+35	1.42+1.42+2.37+3.31	8.50 (2.90-8.50)	2600 (550-3120)	3.27	1.71+1.71+2.91+3.68	10.00 (3.00-11.50)	2890 (540-3360)	3.47	
	15+15+25+42	1.32+1.32+2.20+3.69	8.50 (2.90-8.50)	2600 (550-3120)	3.27	1.59+1.59+2.70+4.13	10.00 (3.00-11.50)	2890 (540-3360)	3.47	
15+15+25+50	1.22+1.22+2.03+4.05	8.50 (2.90-8.50)	2600 (550-3120)	3.27	1.44+1.44+2.45+4.68	10.00 (3.00-11.50)	2890 (540-3360)	3.47		
15+15+35+35	1.28+1.28+2.98+2.98	8.50 (2.90-8.50)	2600 (550-3120)	3.27	1.59+1.59+3.42+3.42	10.00 (3.00-11.30)	2890 (540-3480)	3.47		
15+15+35+42	1.20+1.20+2.79+3.34	8.50 (2.90-8.50)	2600 (550-3210)	3.27	1.49+1.49+3.19+3.86	10.00 (3.00-11.30)	2890 (540-3360)	3.47		
15+15+42+42	1.12+1.12+3.13+3.13	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.59+1.59+3.41+3.41	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46		
15+18+18+18	1.50+1.80+1.80+1.80	6.90 (2.50 - 7.40)	2140 (550 - 2244)	3.22	2.00+2.50+2.50+2.50	9.50 (3.00 - 10.0)	2750 (540 - 3144)	3.45		
15+18+18+25	1.50+1.80+1.80+2.50	7.60 (2.50 - 8.10)	2140 (550 - 2568)	3.55	1.92+2.40+2.40+3.27	10.00 (3.00 - 10.90)	2750 (540 - 3468)	3.64		
15+18+18+35	1.48+1.78+1.78+3.46	8.50 (2.50 - 8.50)	2140 (550 - 3060)	3.97	1.77+2.21+2.21+3.81	10.00 (3.00 - 11.50)	2750 (540 - 3360)	3.64		
15+18+18+42	1.37+1.65+1.65+3.84	8.50 (2.50 - 8.50)	2550 (550 - 3120)	3.33	1.64+2.05+2.05+4.26	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+18+25+25	1.50+1.80+2.50+2.50	8.30 (2.50 - 8.3)	2740 (550 - 3288)	3.03	1.77+2.21+3.01+3.01	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+18+25+35	1.37+1.65+2.28+3.20	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.64+2.05+2.79+3.52	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+18+35+35	1.24+1.49+2.89+2.89	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.53+1.91+3.28+3.28	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+18+35+42	1.16+1.39+2.70+3.25	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.43+1.79+3.07+3.71	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+25+25+25	1.42+2.36+2.36+2.36	8.50 (2.50 - 8.50)	2600 (550 - 3132)	3.27	1.64+2.79+2.79+2.79	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+25+25+35	1.28+2.13+2.13+2.98	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.53+2.60+2.60+3.28	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
15+25+35+35	1.16+1.93+2.70+2.70	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.43+2.43+3.07+3.07	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46		
18+18+18+18	1.80+1.80+1.80+1.80	7.20 (2.90 - 7.90)	2330 (550 - 2292)	3.09	2.50+2.50+2.50+2.50	10.00 (3.00 - 10.90)	2400 (540 - 2720)	4.17		
18+18+18+25	1.80+1.80+1.80+2.50	7.90 (2.90 - 8.70)	2380 (550 - 3120)	3.32	2.29+2.29+2.29+3.12	10.00 (3.00 - 11.10)	2700 (540 - 3050)	3.70		
18+18+18+35	1.72+1.72+1.72+3.34	8.50 (2.90 - 9.80)	2630 (550 - 3120)	3.23	2.12+2.12+2.12+3.64	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+18+18+42	1.59+1.59+1.59+3.72	8.50 (2.90 - 9.80)	2640 (550 - 3260)	3.22	1.97+1.97+1.97+4.09	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+18+25+25	1.78+1.78+2.47+2.47	8.50 (2.90 - 9.50)	2690 (550 - 3040)	3.16	2.12+2.12+2.88+2.88	10.00 (3.00 - 11.20)	2700 (540 - 3020)	3.70		
18+18+25+35	1.59+1.59+2.21+3.10	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.97+1.97+2.68+3.39	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+18+25+42	1.49+1.49+2.06+3.47	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84+1.84+2.50+3.82	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+18+35+35	1.44+1.44+2.81+2.81	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84+1.84+3.16+3.16	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+18+35+42	1.35+1.35+2.63+3.16	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.72+1.72+2.97+3.59	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+25+25+25	1.68+2.28+2.28+2.28	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.97+2.70+2.70+2.62	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+25+25+35	1.52+2.08+2.08+2.83	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84+2.52+2.52+3.10	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+25+25+42	1.42+1.92+1.92+3.24	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.72+2.33+2.33+3.58	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
18+25+35+35	1.32+1.89+2.64+2.64	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.72+2.35+2.98+2.98	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70		
25+25+25+25	2.13+2.13+2.13+2.13	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.50+2.50+2.50+2.50	10.00 (3.00 - 11.4)	2700 (540 - 3020)	3.70		
25+25+25+35	1.93+1.93+1.93+2.69	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.34+2.34+2.34+2.96	10.00 (3.00 - 11.4)	2700 (540 - 3010)	3.70		



Hitachi Services

RESIDENTIAL



PRE-SALE

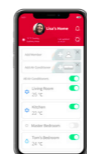
Features to maximize energy savings

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.

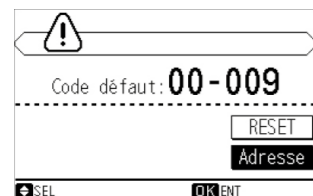


► bit.ly/nst-wireless ► bit.ly/nst-wired

POST SALE

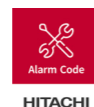
Troubleshooting

Display of fault codes on each controller.



airCloud AlarmCode

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



► aircloud-alarmcode.hitachiircon.com

Selection Guide







Controls for RAC systems

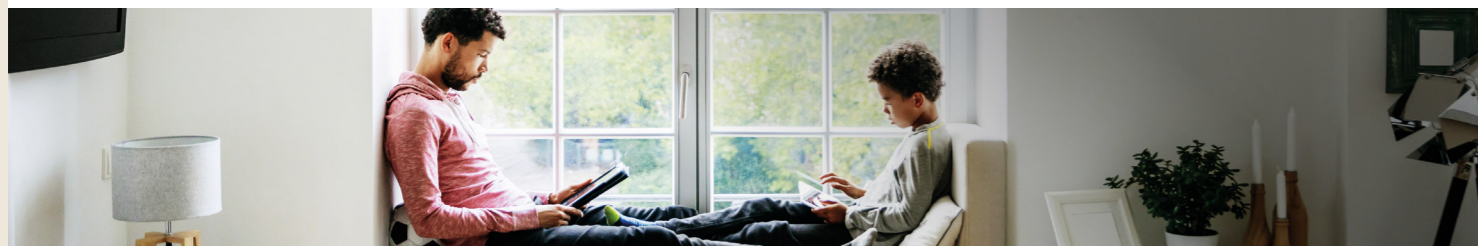
Indoor unit control

		airHome		Mono and Multi Yutampo							
		airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted	airHome Casette	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	
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-RCD1 (Ducted) SPX-RCDB1 (other)		SPX-WKT4 (until sold out, then replaced by SPX-URFG)			
Centralized control (distributor)		SPX-DST1 + 8m cable SPX-WDST8M									
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									
H-Link interface for Residential AC units		PSC-6RAD									
Dry contact kit		SPX-WDC3 cable				SPX-WDC2 cable		SPX-WDC3 cable			
Alarm signal kit	P.87	-				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			
ON/OFF status + alarm signal kit		-									
		SPX-WDC8 (except Shirokuma Floor)									
Integration with Hitachi Central controllers for Commercial portfolio	P.87	airHome Multi (Pro) RAM-GNHAE / RAM-ENHAE				Multi Yutampo RAM-NYPE					
		H-Link for outdoor unit SPX-RAMHLK									

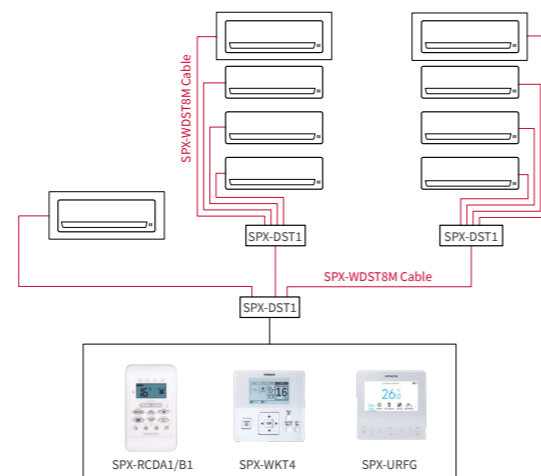
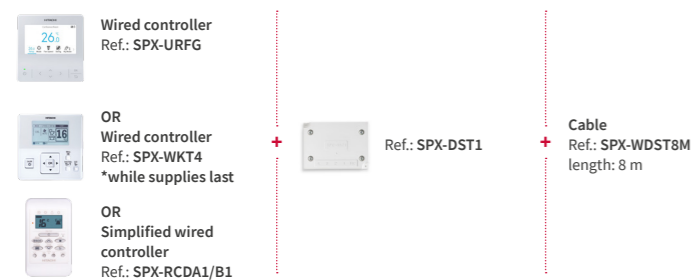
Remote controllers and optional functions

Features of controllers

	Infrared wireless controllers					Wired controllers			
Model	 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



- ✓ 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



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



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



Setting the weekly schedule

Set your own operating preferences to avoid energy waste.

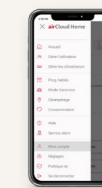
Via Infrared controllers

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

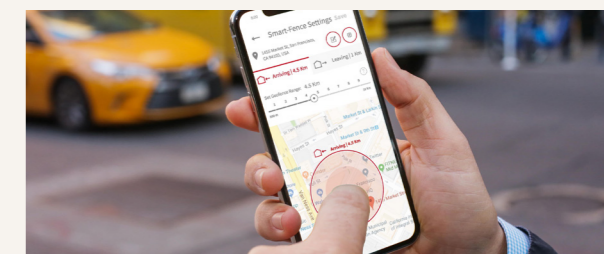


Using geolocation

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.**



- ✓ **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.

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

Available on



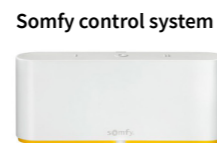
Functions:

- 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



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



Protocol



Protocol

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

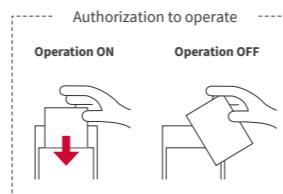
External control solutions for the residential range

ON/OFF control and fault reporting

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



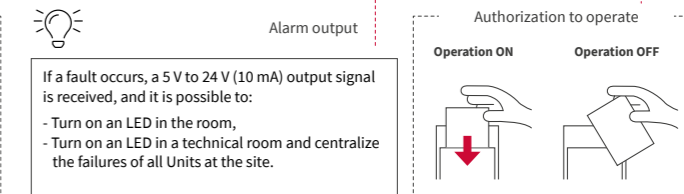
SPX-WDC2 (on CN9): Ducted and Cassette Light Commercial
 SPX-WDC3 (on CN6): other ranges



ON/OFF control + alarm signal



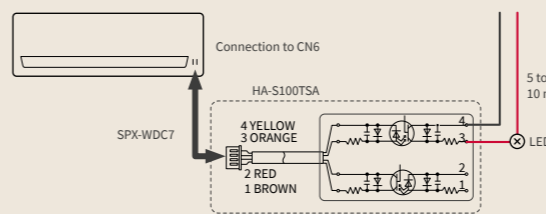
SPX-WDC5 (on CN6) + HA-S100TSA: Performance, Hi-End and Shirokuma Floor, airHome 800
 SPX-WDC6 (on CN9) + HA-S100TSA: Ducted and Cassette Light commercial



Reducing consumption
 Units work only when it is necessary

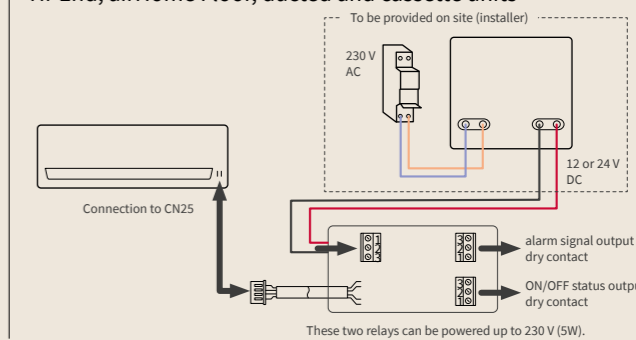
ON/OFF status or fault reporting

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



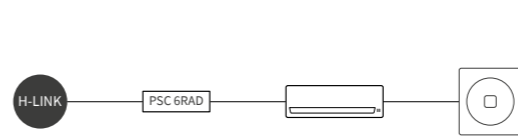
*Warning: external power supply is mandatory

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

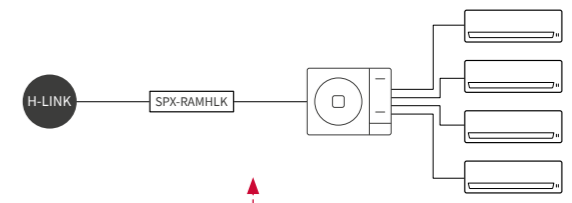


From residential to commercial range: our H-Link solutions for the residential range

H-link Monosplit gateway: PSC-6RAD



H-link Multisplit gateway: SPX-RAMHLK



H-link range of Central controllers

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

Multi Yutampo: a complete home solution

Control example

Wired controllers SPX-WKT4 and SPX-RCDA1/RCDB1 are compatible with all Multi Yutampo Indoor units.
 * SPX-WKT4: while stocks last, then it will be replaced by SPX-URFG

Ref.: SPX-RCDA1/B1 Ref.: SPX-WKT4

Remote control with airCloud Go

All Triple C air-to-air indoor units (wall-mounted, floor, ducted and cassette) can be controlled remotely via the airCloud Go application.

Real tools for monitoring energy consumption

- ✓ **Estimated consumption for Multi Yutampo system:**
 - via the AC Unit controllers
 - via the built-in wired controller on the DHW Tank
- ✓ **Measuring the actual consumption of the Multi Yutampo:**
 - With the ATW-OFC-02 accessory (connected to the Yutampo DHW Tank)

Checklist

Indoor unit controllers

		airHome range						Other ranges					
		Monosplit and Multisplit			Multisplit only			Monosplit and Multi Yutampo			Multi Yutampo only		
		airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted	airHome Cassette	Floor	Ducted	Cassette	Hi-End (Shirokuma)	Performance	
		RAK-DJ-QHAE-RHAE	RAK-VJ-QHAE-RHAE	RAK-XJ-QHAE-RHAE	RAF-XJQ-HAE	RAD-DJQ-HAE	RAI-VJQ-HAE	RAF-RXE	RAD-QPE-RPE	RAD-7OPPD	RAI-RPE	RAK-QXE-RXE	RAK-QPE-RPE
Infrared wireless controllers	RC-AGU1EA0G	•											
	RC-AGS1EA0E		•										
	RC-BGH1FA0G			•									
	RC-BGH1FA0E				•								
	RAR-6NE1											•	•
	RAR-6NE4							•					
	SPX-RCKA1								•	•			
	SPX-RCKA3										•		
Wired controller	SPX-RKD800					•							
	SPX-RKC800						•						
	SPX-RCDA1							•	•				
	SPX-RCDB1	•	•	•	•			•			•	•	•
	SPX-WKT4							•	•	•	•	•	•
	SPX-URFG	•	•	•	•	•	•	•*	•*	•*	•*	•*	•*
	SPX-DST1	•	•	•	•	•	•	•	•	•	•	•	•
	SPX-WDST8M	•	•	•	•	•	•	•	•	•	•	•	•
Home automation and connectivity	SPX-WKT5M			•		•	•	•	•	•	•	•	•
	SPX-WKT5MS	•	•	•	•	•							
	SPX-WFG02							•	•	•	•	•	•
	SPX-WFG03				•	•	•						
	SPX-TAG01	•	•	•	•	•	•	•	•	•	•	•	•
	AZAI6KNXHT2	•	•	•	•	•	•	•	•	•	•	•	•
	AZAI6WSCHT2	•	•	•	•	•	•	•	•	•	•	•	•
	PSC-6RAD	•	•	•	•	•	•	•	•	•	•	•	•
Optional contacts	SPX-WDC2								•	•	•		
	SPX-WDC3	•	•	•	•	•	•	•				•	•
	SPX-WDC5 + HA-S100TSA			•					•			•	•
	SPX-WDC6 + HA-S100TSA								•		•		
	SPX-WDC7 + HA-S100TSA										•	•	•
	SPX-WDC8								•	•	•	•	•
Sensors	SPX-RTH1								•	•			

Outdoor unit controllers

		airHome Multi (Pro) RAM-GNHAE / RAM-ENHAE	Multi Yutampo RAM-NYPE
SPX-RAMHLK	H-Link adapter	•	•

*After the consumption of SPX-WKT4 wired controller. Available functions depending on the indoor unit model.

Notes

The specifications in this catalog are 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).



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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



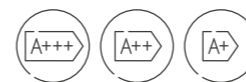
FrostWash
 Cleaning feature of indoor heat exchanger



FrostWash 3.0
 Advanced cleaning feature of indoor heat exchanger



AQTI V-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



reddot winner 2022

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



Johnson Controls Hitachi Air Conditioning Europe SAS

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