HITACHI

2026 Catalog

.air



Cooling & Heating

Bosch Home Comfort Group
www.hitachiaircon.com

New products



New generation of the air-to-water heat pump

2 technologies: R32 & R290

- **air H_2O** 600 (R32)

  Split-system air conditioner, ideal for renovations.

- **air H_2O** 800 (R290)

  Fully hydraulic system , designed for new installations and demanding projects.



New generation of the air-to-air heat pump

Discover our latest generations

air Home Multi Pro (R32) **&**

air Home Triple C (R32)

Compatible with our new **airHome indoor units**, with a redesigned, modern look.

Check out our new R32 wall-mounted ranges as well:

- **air Home** 200 (only single-split version).
- **air Home** 800 (single or multi-split version).



New generation of the R32 heat pump

Check out our new line of R32 heat pumps air 365 Max (R32)

Compatible with our indoor units equipped with **built-in security systems**.

Also discover our **new wall-mounted design of the R32 unit**, devised to combine convenience & performance.



Eco-Compact PC-ARC-E remote control

New wired remote control for the Eco-Compact heat pump, capable of controlling up to 16 indoor units, with NFC configuration via airCloud Tap. It offers advanced maintenance features and broad compatibility with heat pumps for indoor units.



A new era with Bosch Home Comfort Group



Create a Climate Comfort Champion

The heating and air conditioning industry is currently evolving at a rapid pace due to growing demand from our customers for greater comfort, well-being, and sustainable solutions in the context of global warming. In 2025, to accelerate this transformation, Bosch Home Comfort Group acquired Johnson Controls' residential and small commercial HVAC business and the Johnson Controls-Hitachi Air Conditioning joint venture.

Together, we combine the power of our brands and the excellence of our products to devise the most effective and relevant climate comfort solutions. By combining our experience, our capacity for innovation, and our production and research & development network, we will play a leading role in the HVAC market alongside our professional customers and partners.

Key figures for the Bosch Home Comfort Group *(from 1 August 2025)*

+ 24,000
employees world-wide

>€ 4.4 bill.
sales in 2025*

33
Production sites internationally

26
development centers

** 2025 sales figures do not include sales of the acquired business areas*

We develop and manufacture internationally, in Europe, America, and Asia. Our international and regional brands enable us to offer locally tailored solutions.



*Fort Lauderdale: joint venture with Carrier, majority stake.
Guangzhou: joint venture with Wanbao, majority shareholdings.
Qingdao: joint venture with Hisense, minority stake.
Shanghai: joint venture with Wanbao, minority stake; in addition: site owned by Bosch HC.

Hitachi Cooling & Heating

Hitachi, a globally recognized premium brand, designs cutting-edge heating and air conditioning solutions. Reliable and high-performing, our products create comfortable spaces and improve everyday quality of life.

Our values

A global approach

We place our customers and consumers at the heart of everything we do.

We take a comprehensive approach, from design to delivery, installation to commissioning, efficient operation to simplified maintenance. We strive to build trust through products designed to last.

People-centered

We simplify complexity, working tirelessly to make our customers' lives easier.

Our smart products and solutions ensure harmony naturally in interior spaces, providing comfort and maintaining air quality.

A pioneering spirit

Since 1952, we have been inventing and reinventing heating and air conditioning solutions.

We introduce new technologies and we improve existing ones. We have contributed to the evolution of the HVAC industry, and we have grown with it..

Innovation, at the heart of our DNA



1910
Namihei Odaira established an electrical equipment repair workshop within the Kuhara Mining Company in Hitachi (Ibaraki, Japan).

1952
1st air-conditioning unit in Japan

1958
1st monobloc centrifugal chiller with a factory-installed water-cooled condenser

1962
1st heat pump in Japan

1983
1st DC inverter air-conditioner in the world

2006
- 1st 6-output multi-split unit on the market
- 1st air/water heat pump

2008
- 1st dedicated console on the heating market
- 1st IVX on the market

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

2020
Yutampo R32 thermodynamic water heater

2023
air365 Max VRF range incorporating NFC technology

2025
- New generation of air-to-water heat pumps - airH2O 600 R32 & airH2O 800 R290
- New generation airHome Triple C

Focus on the Barcelona plant
Over 30 years in business

A state-of-the-art manufacturing facility

Over 30 years of expertise in the development of heating and air conditioning equipment, this plant has expanded its facilities and now has **14 product lines with +400 product models,** bringing together our heat pump, chillers, and air-to-water heat pump ranges, which represent almost our entire Hitachi Cooling & Heating equipment portfolio.

Our plant is also the **European center for spare parts** for the Hitachi Cooling & Heating brand with a centralized and automated inventory facility. An important strategic role with the aim of continuously **improving service to the European market.**



45,000
m² of factory floor space

750
m² of showroom floor space with 40 products on display

1
training center with more than 70 products in operation



A plant committed to the environment

Since 2017, Hitachi's European plant **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, an environmental excellence certificate and an award for the dedication and commitment of its environmental teams.



Hitachi services

Intuitive tools to support you at every stage

1 PRE-SALES
Dedicated tools to support you

Hi-Toolkit for Home

More than a simple **piece of software for selecting air/water heat pumps,** Hi-ToolKit for Home is a genuine **technical and economic tool.**

- Technical validation of heating and domestic hot water solutions.
- Calculation of energy savings.
- Financial simulation of operating costs.
- Edition of a complete technical and financial report.

▸ **hitachi-hitoolkit.com/yutaki**

TERTIARY

Global Selection VRF

Hitachi VRF selection and sizing software, designed for commercial installation studies. Easily manage your technical projects in complete autonomy thanks to this consulting tool:

- Product selection,
- Refrigeration diagram,
- Electrical and quantity diagram.

airCloud Select NEW *(available in the course of 2026*)*

airCloud Select is the new **selection and dimensioning** software for heat pump systems that has been developed by Hitachi, designed for commercial location studies.

- Modern and ultra-intuitive interface.
- Selection of VRF products suited to each project.
- Automatic report generation.

**Dimensioning of heat pump R32 projects.*

Find out more:
contact your sales representative.



2 FOR YOUR PROJECTS
Tools to make everyday life easier

Yutaki Application

Access **+ 140 hydraulic configurations** including installations with **1 or 2 circuits,** but also **cascade applications!** In just a few clicks, get detailed information on the accessories you need and the connections to the terminal block.

▸ **yutaki-applications.com**

BIM Library

Quickly find & download our BIM objects for your projects.

▸ **https://bit.ly/bimandco-hitachi**

ErP Site

Find & edit all seasonal energy performance information on all our Residential and Commercial ranges.

▸ **https://hitachiaircon-erpactive.com/en**

3 ALL THE WAY TO AFTER-SALES
24-hour diagnostics, in complete autonomy

Hitachi IOT applications remote troubleshooting

Remote maintenance solutions for air-to-water heat pumps.

Perform rapid diagnostics to optimize your operations, thanks to simple, user-friendly interfaces.

- Remote control of machines in operation,
- Real-time operating data,
- And much more...

CSNET Home Pro



airCloud Alarm Code

airCloud Alarm Code is a free application designed for service professionals, giving access to the list of error codes for Hitachi heating and air-conditioning products. An indispensable tool for rapid diagnostics and simplified troubleshooting.



Indicate the model, size and type of product required.
Example : RCI-3.5FSN1E



View alarm codes and download the complete diagnostics you need.



Thanks to a dedicated button, you can also share information with whomever you like, quickly and easily.

The red cursor lets you scroll through the error codes for the selected model.

Once you've selected the correct alarm code, download the "Alarm Diagnosis" PDF file. This document will explain in detail the nature of the error code and the troubleshooting procedure.

Online version:
▸ **aircloud-alarmcode.hitachiaircon.com**

Mobile version:
GET IT ON Google Play
Download on the App Store

4 HI-PARTS
Online tool for distributors:

- Selection of spare parts
- Checking availability and price
- Preparation of quotes, ordering
- Tracking delivery status



Range overview

RESIDENTIAL

Air/Water Heat Pumps

	Nominal capacity heating (kW)												
	3.5	4	6	8	8.5	10	11	12	13	14	16	20	24
NEW **airH2O 600 S** • **Refrigerant R32 (3.5 to 14 kW)** RWM-1.5-6.0R3E RAS-1.5-6.0WH(V)RP2E	•	•	•	•	•	•	-	•	-	•	-	-	-
NEW **airH2O 600 S Combi** • **Refrigerant R32 (3.5 to 14 kW)** RWD-1.5-6.0RW3E-220S RAS-1.5-6.0WH(V)RP2E	•	•	•	•	•	•	-	•	-	•	-	-	-
Yutaki S 2.0 (Split) • **Refrigerant R410A (20 and 24 kW)** RWM-(8..-10.0)N3E RAS-(8-10)WH(V)NPE	-	-	-	-	-	-	-	-	-	-	-	•	•
Yutaki S80 • **Refrigerant R410A/R134A (11 to 16 kW) (high-temperature split)** RWH-(4.0-6.0)(V)NFE RAS-(4-6)WH(V)NPE	-	-	-	-	-	-	•	-	-	•	•	-	-
Yutaki S80 Combi • **Refrigerant R410A/R134A (11 to 16 kW) (split high-temperature)** RWH-(4.0-6.0)(V)NFWE +DHWS(200/260)S-2.7H2E RAS-(4-6)WH(V)NPE	-	-	-	-	-	-	•	-	-	•	•	-	-
NEW **airH2O 800 H** (Hydrosplit) • **Refrigerant R290 (4 to 14 kW)** HWM-W2E RASM-(2-6)(V)TW2E	-	•	•	•	-	•	-	•	-	•	-	-	-
NEW **airH2O 800 H Combi** (Hydrosplit) • **Refrigerant R290 (from 4 to 14 kW)** HWD-W2E-220S RASM-(2-6)(V)TW2E	-	•	•	•	-	•	-	•	-	•	-	-	-
NEW **airH2O 800 M** (Monobloc) • **Refrigerant R290 (from 4 to 14 kW)** RASM-(2-6)(V)TW2E	-	•	•	•	-	•	-	•	-	•	-	-	-
Yutaki M (Monobloc) • **Refrigerant R32 (4 to 8 kW)** • **Refrigerant R32 (11 to 16 kW)** RASM-(2-3)VR2E RASM-(4-7)(V)R1E	-	•	-	•	-	-	•	•	•	-	•	-	-

Storage water heater

	Tank volume	
	190 L	270 L
Yutampo R32 (Fridge link split) • **Refrigerant R32** TAW-…RHC RAW-35RHC	•	•



NEW airHome Multi Pro

New Generation NHCE Outdoor Unit	Capacity Cooling (kW)					
	3.6	4.3	5.5	6.8 / 7	8.5	10.0
RAM-G36N2HCE 2 outputs • Refrigerant R32	•	-	-	-	-	-
RAM-G43N2HCE 2 outputs • Refrigerant R32	-	•	-	-	-	-
RAM-G55N2HCE 2 outputs • Refrigerant R32	-	-	•	-	-	-
RAM-G55N3HCE 3 outputs • Refrigerant R32	-	-	•	-	-	-
RAM-G68N3HCE 3 outputs • Refrigerant R32	-	-	-	•	-	-
RAM-G70N4HCE 4 outputs • Refrigerant R32	-	-	-	•	-	-
RAM-G85N5HCE 5 outputs • Refrigerant R32	-	-	-	-	•	-
RAM-G110N5HCE 5 outputs • Refrigerant R32	-	-	-	-	-	•

NEW airHome Triple C

New Generation DHW Multi-Split Systems	Capacity Cooling (kW)		
	5.3	7.0	8.5
RAM-Y53N3HAE 2 outputs + tank • Refrigerant R32	•	-	-
RAM-Y70N4HAE 3 outputs + tank • Refrigerant R32	-	•	-
RAM-Y85N5HAE 4 outputs + tank • Refrigerant R32	-	-	•

Wall

Single and multi-splits	Capacity Cooling (kW)								
	1.5*	1.8*	2.0	2.5	3.5	4.2	5.0	6.0	7.0
NEW **airHome 200** Only single-split • Refrigerant R32 RAK-CJ(20-50)PHAE RAC-CJ(20-50)WHAE	-	-	•	•	•	-	•	-	-
airHome 400 • Refrigerant R32 RAK-DJ15QHAE RAK-DJ(18-70)RHAE RAC-DJ(18-70)WHAE	•	-	•	•	•	-	•	•	•
airHome 600 • Refrigerant R32 RAK-VJ15QHAE RAK-VJ(18-70)RHAE RAC-DJ(18-70)WHAE	•	-	•	•	•	•	•	•	•
NEW **airHome 800** • Refrigerant R32 RAK-XJ18QHBE(G) RAK-XJ(25-50)RHBE(G) RAC-XJ(25-50)WHBE	-	•	-	•	•	-	•	-	-

*The 1.5-kW and 1.8-kW models are only compatible with outdoor multi-split units.

Ducted

Single and multi-splits	Capacity Cooling (kW)					
	1.8*	2.5	3.5	5.0	6.0	7.0
NEW **airHome Ducted** • Refrigerant R32 RAD-(25-35)RPE Only single-split RAD-DJ(18-35)QHAE Only multi-splits RAD-DJ(50-70)QHAE Single and multi-splits	•	•	•	•	•	•
NEW **airHome Ducted Slim** • Refrigerant R32 RAD-VJ18QHAE RAD-VJ(25-70)RHAE RAC-VJ(25-70)NHAE	•	•	•	•	•	•

*The 1.8 kW models are only compatible with outdoor multi-split units.

NEW Cassette

Single and multi-splits	Capacity Cooling (kW)					
	1.8	2.5	3.5	5.0	6.0	7.0
airHome Cassette Single and multi-splits • Refrigerant R32 RAI-VJ(25-60)RHAE RAC-VJ(25-60)NHAE	-	•	•	•	•	-

NEW Console

Single and multi-splits	Capacity Cooling (kW)						
	2.0	2.5	3.5	4.2	5.0	6.0	7.0
airHome Floor • Refrigerant R32 RAF-XJ(25-50)RHAE RAC-XJ(25-50)FHAE	-	•	•	-	•	-	-

Range overview

SMALL PUBLIC

Single-split cassette

		Capacity Cooling (kW)									
		2.5	3.5	5.0	6.0	7.0	8.5	10.0	12.5	14.0	17.0
NEW airHome cassette 600x600 • **Refrigerant R32** RAI-VJ(25-60)RHAE RAC-VJ(25-60)NHAE		•	•	•	•	-	-	-	-	-	-
Utopia Prime cassette 600x600 • **Refrigerant R32** RCIM-...FSR RAS-(2-2.5)HVRC3		-	-	•	•	-	-	-	-	-	-
Primairy cassette 800x800 • **Refrigerant R32** RCI-...UFE1NH (R32 indoor unit) RAS-...FESNH1 (R32 outdoor unit)		-	-	-	-	•	•	•	•	•	•
Utopia Prime cassette 800x800 • **Refrigerant R32** • **Refrigerant R410A** RCI-...FSR1 (indoor unit) RAS-(2-3)HVRC3 (R32 outdoor unit) RAS-(4-6)H(V)RC2E (R32 outdoor unit) RAS-(4-6)H(V)NC2E (R410A outdoor unit)		-	-	•	•	•	-	• •	• •	• •	-

Single-split ceiling unit

		Capacity Cooling (kW)							
		5.0	6.0	7.0	8.5	10.0	12.5	14.0	17.0
Primary ceiling unit • **Refrigerant R32** RPFC-...UFE1NH (R32 indoor unit) RAS-...FESNH1 (R32 outdoor unit)				•	•	•	•	•	•
Utopia Prime ceiling unit • **Refrigerant R32** • **Refrigerant R410A** RPC-...FSR (indoor unit) RAS-RAS-(2-3)HVRC3 (R32 outdoor unit) RAS-(4-6)H(V)RC2E (R32 outdoor unit) RAS-(4-6)H(V)NC2E (R410A outdoor unit)		•	•	•	-	• •	• •	• •	-

Single-split wall unit

		Commercial			
		5.0	6.0	7.0	10.0
Utopia Prime wall unit • **Refrigerant R32** • **Refrigerant R410A** RPK-...FSRM (indoor unit) RAS-(2-3)HVRC3 (R32 outdoor unit) RAS-4H(V)RC2E (R32 outdoor unit) RAS-4H(V)NC2E (R410A outdoor unit)		•	•	•	• •



Single-split Ducted unit

	2.5	3.5	5.0	6.0	7.0	8.5	10.0	12.5	14.0	17.0	20.0	25.0	45.0	50.0
NEW Ductable airHome Ducted Low pressure **Static pressure: 70Pa** • **Refrigerant R32** RAD-(25-35)RPE RAC-(25-35)NPE	●	●	-	-	-	-	-	-	-	-	-	-	-	-
NEW Ductable airHome Ducted High Pressure **Static pressure: 150Pa** • **Refrigerant R32** RAD-DJ(50-70)QHAE RAC-VJ(50-70)NHAE	-	-	●	●	●	-	-	-	-	-	-	-	-	-
NEW Ducted airHome unit Ducted Slim **Low Pressure - Static Pressure: 50Pa** • **Refrigerant R32** RAD-VJ(25-35)RHAE RAC-VJ(25-35)NHAE	●	●	-	-	-	-	-	-	-	-	-	-	-	-
NEW Ductable airHome unit Ducted Slim **High Pressure - Static Pressure: 150Pa** • **Refrigerant R32** RAD-VJ(50-70)RHAE RAC-VJ(50-70)NHAE	-	-	●	●	●	-	-	-	-	-	-	-	-	-
Primairy ducted **Static pressure: 120Pa** • **Refrigerant R32** RPIL-3.0FE1NH (R32 indoor unit) RPIH-(3.5-6)FE1NH (R32 indoor unit) RAS-...FESNH1 (R32 outdoor unit)	-	-	-	-	●	●	●	●	●	●	-	-	-	-
Utopia Prime ducted **Static pressure: 150Pa** • **Refrigerant R32** • **Refrigerant R410A** RPI-...FSR1E (indoor unit) RAS-(2-3)HVRC3 (R32 outdoor unit) RAS-(4-6)H(V)RC2E (R32 outdoor unit) RAS-(4-6)H(V)NC2E (R410A outdoor unit)	-	-	●	●	●	-	● ●	● ●	● ●	-	-	-	-	-
Ducted RPIH Utopia Prime **Static pressure: 200Pa** • **Refrigerant R32** • **Refrigerant R410A** RPIH-...FSR1E RAS-(4-6)H(V)RC2E (R32 outdoor unit) RAS-(4-6)H(V)NC2E (R410A outdoor unit)	-	-	-	-	-	-	● ●	● ●	● ●	-	-	-	-	-
Ducted 8 and 10 hp High Pressure **Static pressure: 220Pa** • **Refrigerant R410A** RPI-...FSN3E(-F) (indoor unit) RAS-...HNCE (outdoor unit)	-	-	-	-	-	-	-	-	-	-	●	●	-	-
Ducted 16 and 20 hp High Pressure **Static pressure: 220Pa** • **Refrigerant R410A** RPI-...FSN3PE(-F) (indoor unit) RAS-...HNCE (outdoor unit)	-	-	-	-	-	-	-	-	-	-	-	-	●	●

Range overview

PUBLIC

Indoor units VRF - Utopia Prime

Note: The RCIM / RCI / RPI(L/H) / RPC-...FSR2(E/M) models are indoor unit models with integrated leak detection sensor, for installation with air365Max (Pro) outdoor units using R32.

		Capacity range in cooling mode (hp)																	
		0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5	3.0	4.0	5.0	6.0	8.0	10.0	16.0	20.0
4-way cassettes • **Refrigerant R32** • **Refrigerant R410A** RCIM-FSRE (600x600) RCI-FSR1 (800x800)	600x600	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-	-	-	-	-
	800x800	-	-	-	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-
2-way cassette • **Refrigerant R32** • **Refrigerant R410A** RCD-FSR		-	-	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-
Ceiling unit • **Refrigerant R32** • **Refrigerant R410A** RPC-FSR		-	-	-	-	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-
Ducted • **Refrigerant R32** • **Refrigerant R410A** 1. RPIZ-HNDTS1Q (compact up to 50Pa) 2. RPIL-FSR1E (utra compact: up to 100Pa) 3. RPI-FSR1E (Medium: up to 150Pa) 4. RPIH-FSR1E (high pressure: up to 200Pa) 5. RPI-FSN3E (high-performance: up to 220Pa) 6. RPI-FSN3PE (high-performance: up to 220Pa)	1	-	-	● ●	● ●	● ●	● ●	● ●	● ●	-	● ●	● ●	-	-	-	-	-	-	-
	2	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	● ●	● ●	● ●	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●
Wall **Remote regulator** • **Refrigerant R32** • **Refrigerant R410A** RPK-FSR(H)M		● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	-	-	-	-	-	-
NEW **Wall** **New design** **(built-in R32 refrigerant leak detection sensor)** • **Refrigerant R32** RPK-FSR2M		●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-
Console **Enclosed or non-enclosed** • **Refrigerant R410A** RPF(I)-FSN2E		-	-	-	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-

Twin & micro heat pump

	Capacity range in cooling mode (hp)						
	3	4	5	6	8	10	12
Twin Utopia Prime • **Refrigerant R32** • **Refrigerant R410A** RAS-3HVRC3 (R32) RAS-(4-6)H(V)RC2E (R32) RAS-...H(V)NC2E (R410A)	● ●	● ●	● ●	● ●	-	-	-
Micro VRF IVX Prime & IVX Comfort • **Refrigerant R32** • **Refrigerant R410A** RAS-(4-6)H(V)RP2E (R32) RAS-(4-6)H(V)NP2E (R410A) RAS-(8-12)HNC(E) (R410A)	-	● ●	● ●	● ●	●	●	●
Micro VRF IVX centifruge • **Refrigerant R410A** RASC-(4-10)HNPE (R410A)	-	●	●	●	●	●	-



Outdoor groups VRF

		Capacity range in cooling mode (hp)													
		4	5	6	8	10	12	14	16	18	20	22	24	>24
SET FREE Mini **VRF 2-pipe (4 - 12hp)** **VRF 3-pipe (8– 12hp)** **Max number of IU connected: 39** • **Refrigerant R410A** RAS-...FS(V)(X)NME		•	•	•	•	•	•	-	-	-	-	-	-	-
NEW **air365 Max R32** **VRF 2-pipe** • **Refrigerant R32** RAS-...FSRS2E		-	-	-	•	•	•	•	•	•	•	•	•	•
NEW **air365 Max Pro R32** **VRF 2-pipe** • **Refrigerant R32** RAS-...FSRP2E		-	•	•	•	•	•	•	•	•	•	•	•	•
air365 Max **VRF 2-pipe** **VRF 3-pipe** **Max number of IU connected: 64** • **Refrigerant R410A** RAS-...FSXNS2E		-	-	-	•	•	•	•	•	•	•	•	•	•
air365 Max Pro **VRF 2-pipe** **VRF 3-pipe** **Max number of IU connected: 64** • **Refrigerant R410A** RAS-...FSXNP2E		-	•	•	•	•	•	•	•	•	•	•	•	•

Chillers

		Capacity Cooling (kW)															
		11	14	16	18	43	58	76	96	119	140	155	180	184	216	220	250
Samurai S **Reversible group** **Condensing** **Rotary inverter compressor** • **Refrigerant R410A** RHMA-AVN		•	•	•	•	-	-	-	-	-	-	-	-	-	-	-	-
Samurai M **Reversible group** **Condensing** **SCROLL Inverter Compressor** • **Refrigerant R454B** RHMA-AX		-	-	-	-	•	•	•	•	•	-	•	-	•	•	-	•
Samurai L **Reversible group** **Water condensation unit** **Modular screw compressor** • **Refrigerant R513A** • **Refrigerant R134A** RCME-WH1		-	-	-	-	-	-	-	-	-	• •	-	• •	-	-	• •	• •

Hitachi supports you in the energy transition

FGAZ III Regulations

Date of application : March 11, 2024 - European Union

The update to this European Regulation aims to accelerate the phase-down of hydrofluorocarbons (HFCs) used in air conditioning systems and heat pumps.

AIR/AIR & HEAT PUMPS HEAT PUMP RANGES

				Schedule of approved refrigerants for new equipment											
Types	**Pdesign criteria[2]**	**Refrigerants approved by F-Gas**	**Refrigerants**	2026	2027	2028	2029	2030	2031	2032	2033	2034	...	2050
Single Splits, Multi Splits, VRF	0 to 12 KW included	GWP ≥ 750	• R410A	-	-	-	-	-	-	-	-	-	-	-
		GWP > 150	• R32	●	●	●	-	-	-	-	-	-	-	-
	> 12 kW	GWP ≥ 750	• R410A	●	●	●	-	-	-	-	-	-	-	-
		150 < GWP < 750	• R32	●	●	●	●	●	●	●	-	-	-	-

AIR/WATER AIR/HEAT PUMP RANGES

				Schedule of approved refrigerants for new equipment											
Types	**Pdesign criteria[2]**	**Refrigerants approved by F-Gaz**	**Refrigerants**	2026	2027	2028	2029	2030	2031	2032	2033	2034	...	2050
Split	0 to 12 KW included	GWP ≥ 750	• R410A	-	-	-	-	-	-	-	-	-	-	-
		GWP > 150	• R32	●	-	-	-	-	-	-	-	-	-	-
		'Natural' refrigerants	• R290	●	●	●	●	●	●	●	●	●	●	●
	> 12 kW	GWP ≥ 750	• R410A	●	●	●	-	-	-	-	-	-	-	-
		150 < GWP < 750	• R32	●	●	●	●	●	●	●	-	-	-	-
		'Natural' refrigerants	• R290	●	●	●	●	●	●	●	●	●	●	●
Monobloc (Hydro split)	0 to 12 KW included	GWP ≥ 150	• R410A	●	-	-	-	-	-	-	-	-	-	-
			• R32	●	-	-	-	-	-	-	-	-	-	-
		'Natural' refrigerants	• R290	●	●	●	●	●	●	●	●	●	●	●
	> 12 to 50 kW included	GWP ≥ 150	• R410A	●	-	-		-	-		-	-	-	-
			• R32	●	-	-	-	-	-	-	-	-	-	-
		'Natural' refrigerants	• R290	●	●	●	●	●	●	●	●	●	●	●

Note: For maintenance purposes, all refrigerants with a PRP below 2,500 will be permitted until 2050 (e.g., R410A, R32, R454C...)

2028

The F-Gas Regulation authorizes:

- **Reversible heat pumps in the split R410A > 12 Kw range up to the end of 2028**
- **Sales of R410A heat pumps thru the end of 2028**(1)

Types of refrigerants permitted by 2050

→ **in new HVAC equipment**

- 'NATURAL' REFRIGERANTS
- HFO
- HFC GWP <750
- HFC GWP <150

Hitachi offers solutions that comply with the F-Gas III regulation, such as **air/water HVAC units airH2O 800 to R290 or the air365 Max R32 range of heat pumps** to support its partners in achieving sustainable performance.

(1)GWP ≥ 750 (2)Pdesign: may differ from the rated power listed in the catalog; refer to the technical document.

REFRIGERANTS & SAFETY

IEC-60335-2-40 standard

Revision: 2022

The IEC 60335-2-40 standard is the international standard adopted by HVAC equipment manufacturers **to evaluate the risks associated with the leakage of refrigerants.** It assures a **safe concept** for these systems and it defines **clear specifications for implementation,** incorporated directly in the **Installation Manual.**

Hitachi offers several product lines equipped with **plug and play** systems with a comprehensive range of **built-in safety features.**

- **HVAC: airH2O 800 R290**
- **Heat pump: air365max R410A & R32**

Any type of building

EN-378 standard

Revision: 2017

The **EN 378** standard is a European regulation governing the design, installation, operation, and maintenance of systems that use refrigerants. Voluntary implementation by decision of the project owner/project manager.

BACS Decree

Revision: 2025

The BACS (Building Automation & Control Systems) decree aims to equip commercial buildings with smart systems capable of:

- Operating building systems (heating, ventilation, air conditioning, lighting, etc.)
- Optimizing energy consumption and reducing CO_2 emissions
- Improving occupants' comfort and health

Commercial properties

under renovation and construction

What does this relate to?

All **new or existing commercial properties** whenever the rated capacity of HVAC equipment exceeds 290 kW: public buildings, offices, retail establishments, healthcare facilities, etc.

Key dates

Since January 1, 2025: Building management systems (class A or B in accordance with EN ISO 51120-1:2022) are required in existing commercial buildings where **heating/ air-con ≥ 290 kW**

- Required starting in 2025 for facilities with a capacity exceeding 290 kW.
- Requirement effective in 2030 for systems between 70 and 290 kW.

A **CLASS A:** Control systems and building management systems for high energy efficiency

B **CLASSE B:** Advanced control and building management systems




HITACHI
air H2O

Quick selection table

		airH2O 600 S	airH2O 600 S Combi	Yutaki S 2.0	Yutaki S80	Yutaki S80 Combi
						
Services	Heating	☀	☀	☀	☀	☀
	Cooling	❄	❄	❄	-	-
	DHW	-	🚿	-	-	🚿
Capacities (kW) / Refrigerant	R32	3.5 / 4 / 6 / 8	3.5 / 4 / 6 / 8	-	-	-
	R32	8.5 / 10 / 12 / 14	8.5 / 10 / 12 / 14	-	-	-
	R410A	-	-	20 / 24	-	-
	R410A R134A	-	-		11 / 14 / 16	11 / 14 / 16
Type		Split	Split	Split	Split	Split
Connections		Refrigerant	Refrigerant	Refrigerant	Refrigerant	Refrigerant
Max water cycle		60°C (up to 8 kW) 65°C (from 8.5 kW)	60°C (up to 8 kW) 65°C (from 8.5 kW)	60° C	80° C	80° C
Power maintenance without electrical backup		Yes, from the 8.5 kW unit	Yes, from the 8.5 kW unit	No	Yes up to -15° C ext.	Yes up to -15° C ext.
Applications		New Renovation	New Renovation	New Renovation	- Renovation	- Renovation
Number of manageable circuits		Up to 2	Up to 2 (2nd zone kit integrable)	Up to 2	Up to 2	Up to 2
Compatible transmitters	Ductedto water	▭	▭	▭	▭	▭
	Radiators	Medium and low temperatures	Medium and low temperatures	Medium and low temperatures	High, Medium and low temperatures	High, Medium and low temperatures
	Underfloor heating	≋	≋	≋	≋	≋
	Convector fans	▭	▭	▭	▭	▭

Connectivity standard on the airH2O 600 series
(optional on other ranges)

CSNET Home

CSNET Home application
Stay connected and control your air/water heat pump remotely via an app created just for you.

\+

CSNET Home PRO

CSNET Home PRO application
The remote maintenance solution.

Find the right heat pump for you with HiTool kit for Home

1. Enter your project details into the software and **we will find the most suitable model for you,**
2. View the projected **energy performances** and **compare the potential savings** compared with other heating solutions,
3. **Edit a full report** with all the details of the project and the device selected.

Website:
hitachi-hitoolkit.com/heating/login



air H_2O 600 , the heat pump that makes everyday life easier

A heat pump that rises to the challenge

Practicality

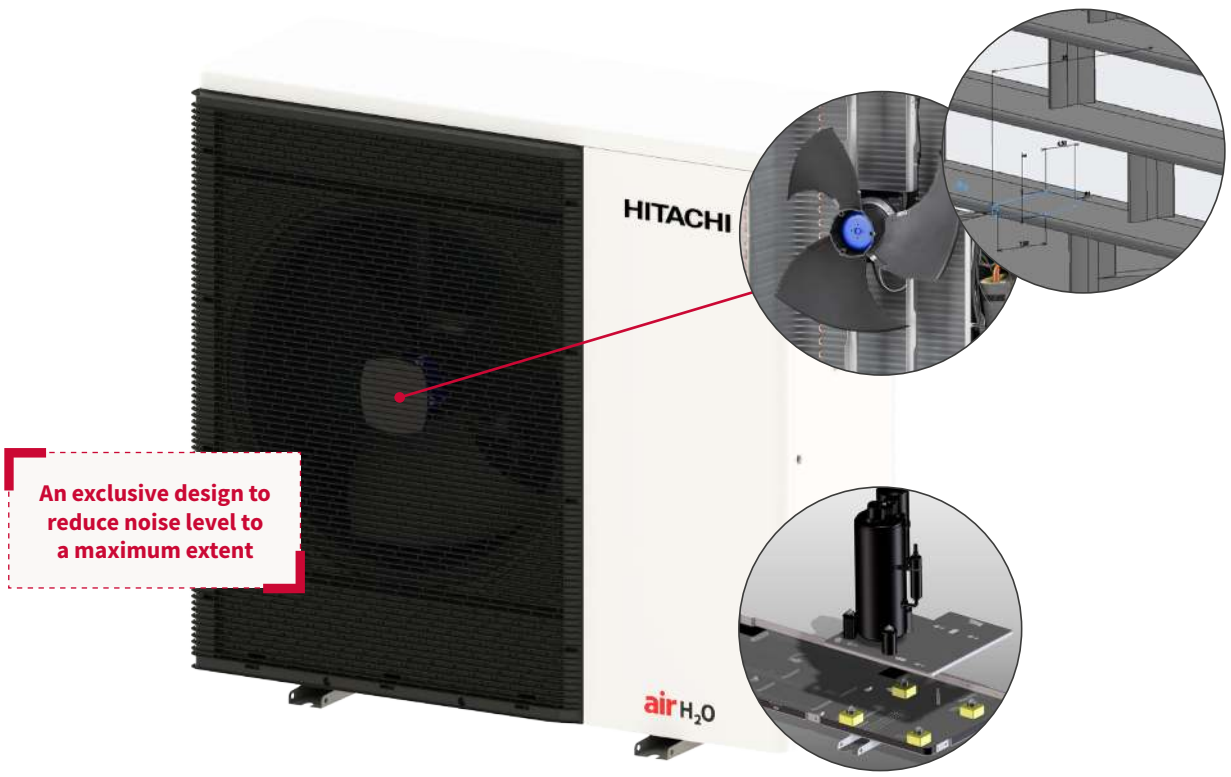
Easy-access components / electrical box accessible from above / terminal block connection **direct access**.

Elegance

A new design combining **modernity and discretion** with an entirely black grille.

High water temperature

With heat production of **up to 65°C***, replace a gas or oil boiler without having to change the transmitters.



Discretion from as little as 27 dB(A)**

Enhanced sound insulation / Optimized fan and motor design / Anti-vibration compressor plate. For some of the finest of **acoustic comfort** on the market.

Performance

Compressor with technologies **CONSTANT POWER & WATER***, capable of delivering the same power and a high water intake even in extreme temperatures.

* From model 8.5 kW.
** Example for an 8.5 kW unit, sound pressure at 5 m under partial load.

Think about peace of mind



One of the most compact and capable HEAT PUMPS currently on the market



air H₂O 600 S Combi

air H₂O 600 S

A high-end design concept

- Copper and brass
- Stainless steel plate heat exchanger
- Entirely stainless steel DHW 220L tank with ACI anode (optional)
- Durability and performance

PLUG & PLAY

All functions as standard

With its configurable input/output terminal: 2 zones, boiler reading, remote DHW management, solar panels, convector fans...
The air H₂O 600 range will meet all your needs, without additional cards.

Smart regulation for greater savings

Compensated water management; adjusts the water temperature based on the difference between the setpoint and the actual ambient temperature.

A unique design, one of the most ingenious

Each component has a strategic place, with direct front panel access (valves, filter, circulators, sensors...).

A controller designed to assist you



EUROPEAN PRODUCT DESIGN AWARD Design récompensé

Vue 2-en-1 Contrôleur et thermostat
PC-ARFH3E(B)

A modern controller:
With its curved shape and color LCD screen.

Simple and intuitive navigation:
With exclusive features to meet the needs of professionals and individuals.

Remote ambient controller:
To act as a thermostat.





The ⊕ Hitachi: NFC settings

NFC

HITACHI

Configure quickly and easily:
With the help of NFC technology and the CSNet Home smartphone app.

Accelerate your commissioning process:
Prepare your configurations in advance and load them, or replicate configurations across identical installations.

Optional functions:
enable your optional features easily
without opening the unit or even accessing the menus
of the controller.

Advantages for maintaining control anywhere, anytime

CSNET Home/Home PRO connectivity:
Connected Hitachi solutions to **stay in control** wherever you are!

Included as standard*

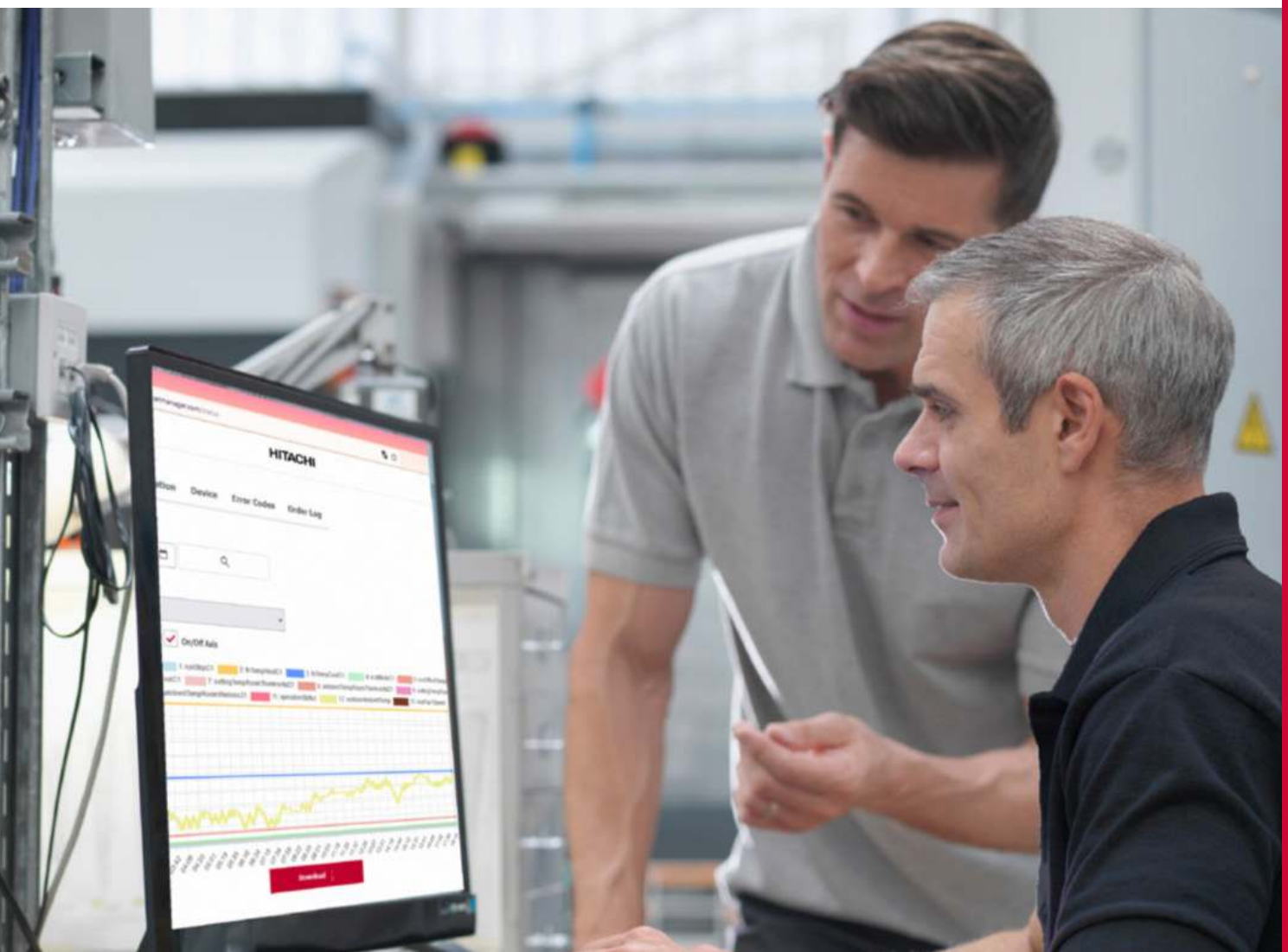
CSNET Home
New smartphone app and Web End clients



CSNET Home Pro
New web application for installers

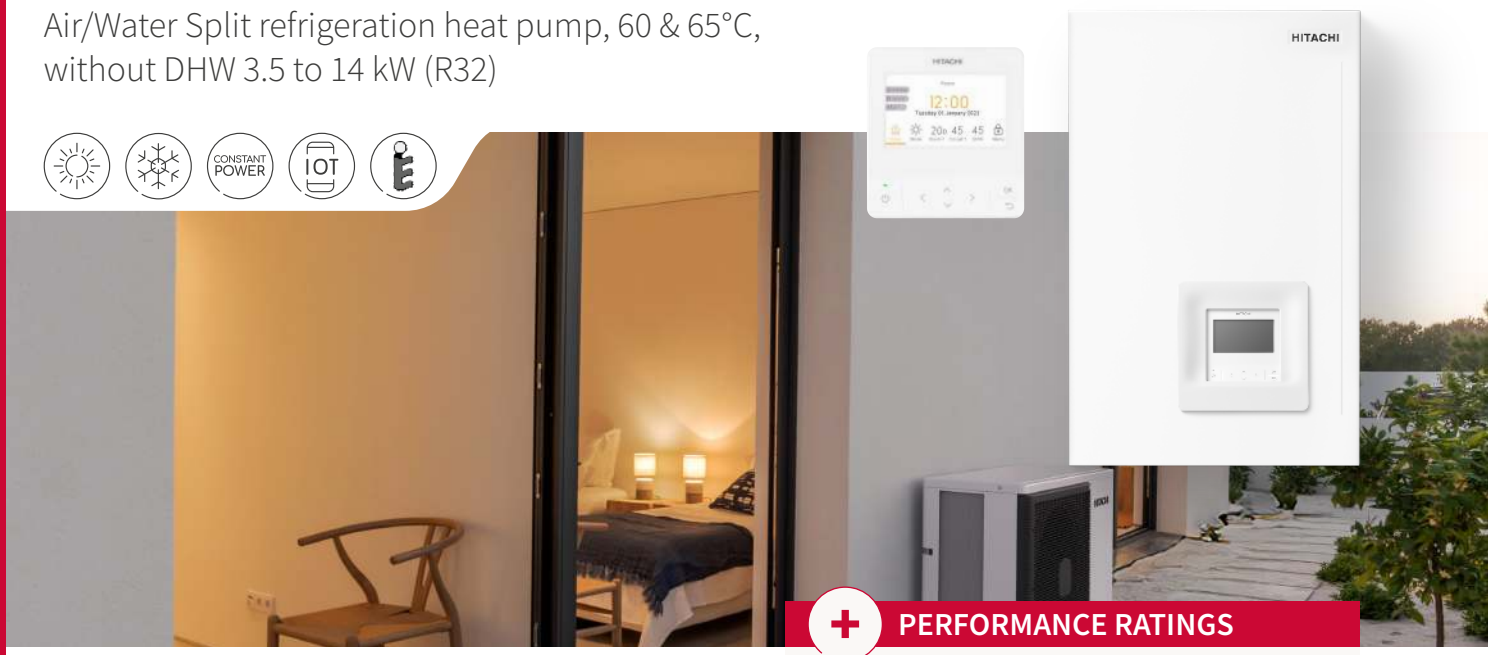


**Only on modules with a PC-ARFH3E(B) controller*



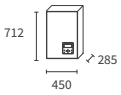
air H$_2$O 600 S

Air/Water Split refrigeration heat pump, 60 & 65°C, without DHW 3.5 to 14 kW (R32)



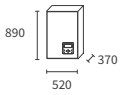
Indoor units

3.5 to 8 kW



RWM-1.5R3E
RWM-2.0R3E
RWM-2.5R3E
RWM-3.0R3E

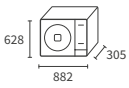
8,5 to 14kw



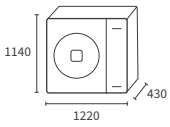
RWM-3.5R3E
RWM-4.0R3E
RWM-5.0R3E
RWM-6.0R3E

Outdoor units





RAS-1.5WHVRP2E
RAS-2WHVRP2E
RAS-2.5WHVRP2E
RAS-3WHVRP2E



RAS-3.5WH(V)RP2E
RAS-4WH(V)RP2E
RAS-5WH(V)RP2E
RAS-6WH(V)RP2E

+ PERFORMANCE RATINGS

- Power ratings suitable for all types of projects, new construction and renovation, even in cold weather, **Operates at outdoor temperatures as low as -25°C (CONSTANT POWER) and water temperatures up to 65°C** from the 8.5 kW model, ideal for renovation work and cold climates.
- The airH2O 600 range delivers **exceptional levels of performance** with Heating Heat Pumps up to 5.1.

+ PRACTICAL FOR PROFESSIONALS

- **Fully-inclusive management:** All standard features (2-zone control, boiler backup, remote DHW management, SmartGrid-ready, solar thermal, fan coil units).
- **CSNET Home PRO includes the following as standard:** View the status of your devices remotely and adjust their settings in real time.
- **NFC function:** Create / copy / paste / duplicate a configuration directly from your smartphone.

+ EASY TO CONTROL

- **Controller:** A modern, stylish LCD screen combined with ease of use for both home users and professionals.
- **CSNet Home included as standard**: Control your comfort from a distance at no extra charge.

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH3E**
Included



Radio remote control for ambient lighting control 1st circuit.
Model: **ATW-RTU-07**



Front cover AirH2O 600 S & S COMBI to use in case of remote control malfunction in the room.
Model: **ATW-FCP-03**



Black wired remote control
Model: **PC-ARFH3EB**
Option

Hydraulic accessories



2-zone kit with 3-way valve and wall-mounted circulator
Model: **ATW-2TK-07**



3-way directional inversion valve
Model: **ATW-3WV-01**



Universal sensor
Model: **ATW-WTS-02Y**



Differential discharge valve
Model: **ATW-DPOV-01**

Options



Domestic hot water storage tank (H x D) 1270 x 595 mm
Refs. :
200 L: **DHWT-200S-3.0H2E**
300 L: **DHWT-300S-3.0H2E**

Reversible AirH2O 600 S kit
Refs. : **ATW-CKS-01**
(airH2O 600 S - 3.5 / 4 / 6 / 8 kW)
Refs. : **ATW-CKS-02**
(airH2O 600 - 8.5 / 10 / 12/ 14 kW)



Cascade control cabinet (8 max)
Model: **ATW-YCC-04**

AirH2O 600 S

R32 REFRIGERANT

Model	Unit	3.5 kW	4 kW	6 kW	8 kW	8.5 kW	10 kW	12 kW	14 kW
Performance, heating									
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	1.5 / 3.5 / 6.32	1.85/4.3/6.5	2.1/6/8.6	2.1/8/11	3.7/8.5/10.5	3.7/10/12	4/12/14	4/14/16
Capacity/max. heating (-7°C outside / 35°C water)	kW	3 / 5.21	4.5 / 5.5	5.3 / 6.2	5.8 / 7.5	8.5 / 8.5	10 / 10.5	12 / 12	14 / 14.6
Capacity/max. heating (-7°C outside / 55°C water)	kW	3 / 3.84	4 / 4.77	4.7 / 5	5 / 6	8 / 8.5	10 / 10	12 / 12	13.3 / 13.3
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	5.1	5		4.6	4.67	4.6	4.83	4.35
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.45 / 3.19	4.44 / 3.19	4.44 / 3.23	4.44 / 3.2	4.49 / 3.29		4.48 / 3.26	
Seasonal heating energy efficiency ηs (35°C) Single/Tri [1]	%	175				177		176	
Seasonal heating energy efficiency ηs (55°C) Single/Tri [1]	%	125				129		127	
Energy rating 35°C/55°C	-	A+++/A++							
Temperature range of water outlet (heating mode)	°C	20/60°C				20/65°C			
Max. temperature at the water outlet in thermodynamic-only mode	°C	60°C up to -5°C ext / -10°C ext with auxiliary				65°C up to -5°C ext / -13°C ext with auxiliary			
Performance in Cooling mode (optional)									
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	3.5 / 4.69	4 / 5.12	5.3 / 6	6.5 / 7	8.5 / 8.5	10 / 10	12 / 12	14 / 14
Absorbed capacity cooling (35°C ext/7°C water)	kW	1.21	1.31	1.63	1.77	2.71	2.91	4.19	4.56
EER (reversible model)	-	3.7	3.82	3.6	3.35	3.24	3.05	3	2.89

Hydraulic modules		RWM-1.5R3E	RWM-2.0R3E	RWM-2.5R3E	RWM-3.0R3E	RWM-3.5R3E	RWM-4.0R3E	RWM-5.0R3E	RWM-6.0R3E
Auxiliary electric resistance heating as standard / Three-stage	kW	3 (1+1+1)				6 (2 + 2 + 2)			
Net weight	kg	34		36		37	46	48	
Dimensions S (HxLxD)	mm	712 x 450 x 285				890 x 520 x 370			
Sound pressure level	dB(A)	30							
Remote control	-	included PC-ARFH3E							
Hydraulic features									
Expansion vessel	L	6							
Water flow (min/rated/max)	m³/h	0.5/0.6/2.1	0.5/0.8/2.1	0.6/1/2.5	0.6/1.2/2.5	1/1.4/2.8	1/1.7/2.8	1.1/2.1/3	1.1/2.4/3
Hydraulic connections for heating (male/male valves supplied)	inches	1"							
Min. system water capacity	L	28				50		55	
Electrical features									
Power supply	-	230V/1Ph/50 Hz				230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz			
SINGLE-PHASE 230V — Intensity max with auxiliary resistance	A	13.7				26.7			
SINGLE-PHASE 230V — Cable section (mm²) / max. length (m) [2]	-	3 x 2.5/28				3 x 6/30			
3-PHASE 400V — Intensity max with auxiliary resistance	A	-				9.1			
3-PHASE 400V — Cable section (mm²) / max. length (m) [2]	-	-				5 x 2.5/20			

Outdoor units		RAS-1.5WHVRP2E	RAS-2WHVRP2E	RAS-2.5WHVRP2E	RAS-3WHVRP2E	RAS-3.5WH(V)RP2E	RAS-4WH(V)RP2E	RAS-5WH(V)RP2E	RAS-6WH(V)RP2E
Pressure level at 5m / Sound power in hot mode [3]	dB(A)	23 / 50		23 / 51		27 / 53		28 / 54	
Dimensions (HxLxD)	mm	682 x 882 x 305				1140 x 1220 x 430			
Net weight	kg	45				112		114	
Operating ranges in Cooling/Heating/DHW mode	°C	+10~+46 // -20~+25 // -20~+35				+10~+46 // -25~+25 // -25~+43			
Cooling properties									
Diameter of refrigeration pipes (Liq - Gas)	inches	1/4" - 1/2"		1/4" - 1/2" up to 30m*		1/4" - 1/2" up to 30m (only hot)*			
Min./max. length/max. drop	m	3 - 50/20		3 - 40/20		5 - 50/20		5 - 50/20	
Refrigerant / Refrigerant charge for 10m	- / kg	R32 / 1.1		R32 / 1.2		R32 / 1.8		R32 / 2.1	
Compressor	-	ROTARY DC INVERTER							
Electrical features									
Power supply	-	230V/1Ph/50 Hz				230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz			
SINGLE-PHASE 230V — Max. current	A	12.6		16.5		28.6			
SINGLE-PHASE 230V — Cable section (mm²) / max. length (m) [2]	-	3 x 2.5/28	3 x 2.5/28	3 x 4/24	3 x 4/21	3 x 6/30			
3-PHASE 400V — Max. current	A	-				16.1			
3-PHASE 400V — Cable section (mm²) / max. length (m) [2]	-	-				5 x 4/16			
Indoor/Outdoor connection (protected)	mm²	2 x 0.75							

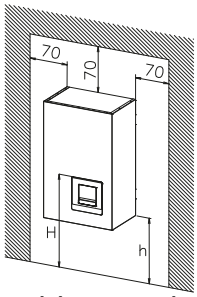
Retail price per unit excluding taxes

Hydraulic modules (Remote control included)	RWM-1.5R3E	RWM-2.0R3E	RWM-2.5R3E	RWM-3.0R3E	RWM-3.5R3E	RWM-4.0R3E	RWM-5.0R3E	RWM-6.0R3E
Premium outdoor units Single-phase units	RAS-1.5WHVRP2E	RAS-2WHVRP2E	RAS-2.5WHVRP2E	RAS-3WHVRP2E	RAS-3.5WHVRP2E	RAS-4WHVRP2E	RAS-5WHVRP2E	RAS-6WHVRP2E
Premium outdoor units Three-phase	-				RAS-3.5WHRP2E	RAS-4WHRP2E	RAS-5WHRP2E	RAS-6WHRP2E
Price for the whole set Single-phase Hydraulic module + outdoor unit								
Price for the whole set Three-phase Hydraulic module + outdoor unit	-							
Reversible kit (Optional)	ATV-CKS-01				ATV-CKS-02			

(V) = Single
[1] Seasonal energy efficiency without regulation, Keymark certification, in accordance with Regulation (EU) No. 813/2013 of the Commission of August 2, 2013, and standard EN14825.
[2] Sections given for reference purposes only. Compliant with the applicable electrical standards.
[3] Pressure at 5 m in Night mode - According to EN 12102-1 / ErP
*For distances greater than 30 m or cooling, please consult us or refer to the technical manual. Refrigeration valves on the unit and module in 1/4" and 5/8" sizes; Provide adapters as needed based on the piping configuration / not supplied by Hitachi (see the technical manual for more information).

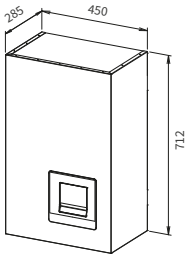
Prepare your construction site airH2O 600 S

1. How much space do I need for my hydraulic module?

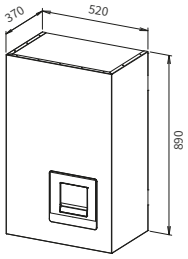


H = 1250mm recommended
for easy access to the controller
h = 350 mm min for installing stop valves and connections

Models 3.5 to 14 kW



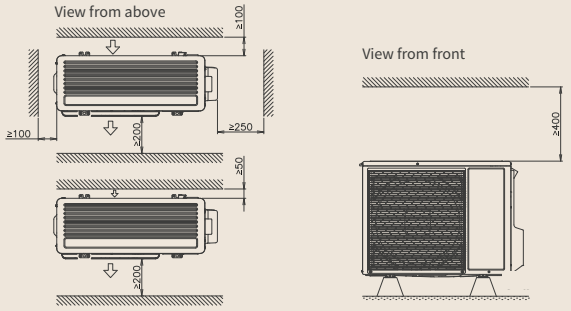
Models 3.5 to 8 kW



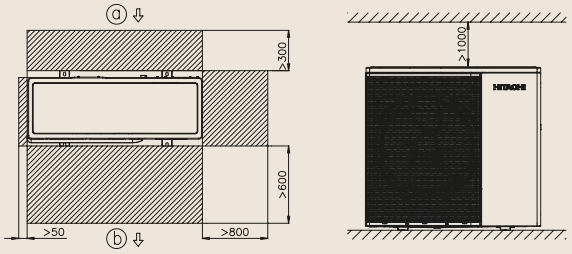
Models 8.5 to 14 kW

2. How much space do I need for my outdoor unit?

Models 3.5 to 8 kW
HxLxD: 628 x 882 x 305 mm



Models 8.5 to 14 kW
HxLxD: 1140 x 1220 x 430 mm



3. Which hydraulic and cooling connections are required?

Cooling properties	Unit	3.5 to 8 kW	8.5 to 14 kW
Diameter of cooling pipes (Liq - Gas)	inches	1/4" - 1/2" 3/8 5/8 > to 30m* for 6 and 8 kW	1/4" - 1/2" up to 30m* and heating only
Hydraulic features			
Hydraulic connections for heating (male/male valves supplied)	inches	1"	

*For distances greater than 30m or cooling, please consult us or refer to the technical manual.. Refrigeration valves on the unit and module in 1/4" and 5/8" sizes; Provide adapters as needed based on the piping configuration / not supplied by Hitachi
(see the technical manual for more information).

4. Which electrical connection should I provide?

Please note that these sections and protections are given for intensities with auxiliary heating resistances.
If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog.
Data provided as a guide, please refer to the applicable electrical standard.

	Power supply				Bus
Outdoor units	Intensity 230 V	Protection 230 V	Cable section 230 V	Max. cable length 230 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RAS-1.5WHVRP2E	12.6	16 / D	3G2. 5	28	
RAS-2WHVRP2E	12.6	16 / D	3G2. 5	28	
RAS-2.5WHVRP2E	16.5	20 / D	3G4	24	
RAS-3WHVRP2E	16.5	20 / D	3G4	34	

	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm2
	Max A	A/curve	mm²	m	
RAS-3.5WHVRP2E / WHRP2E RAS-4WHVRP2E/WHRP2E RAS-5WHVRP2E/WHRP2E RAS-6WHVRP2E/WHRP2E	28.6 / 16.1	32 / 20	3G6/5G4	30 / 16	

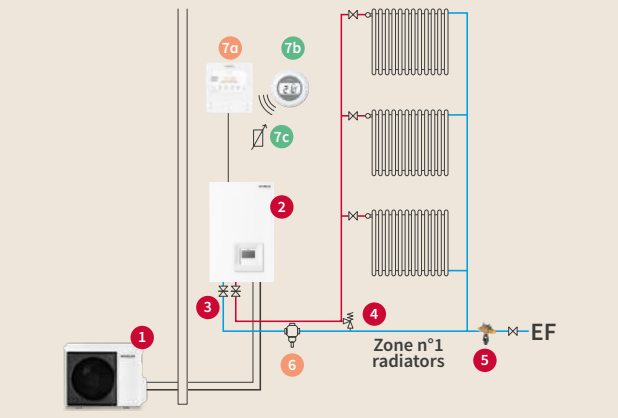
	Power supply				Bus
Hydraulic modules	Intensity 230 V	Protection 230 V	Cable section 230 V	Max. cable length 230 V	Liycy shielded cable 2 x 0.75 mm2
	Max A	A/curve	mm²	m	
RWM-1.5R3E	13.7	16 / C	3G2. 5	23	
RWM-2.0R3E	13.7	16 / C	3G2. 5	23	
RWM-2.5R3E	13.7	16 / C	3G2. 5	23	
RWM-3.0R3E	13.7	16 / C	3G2. 5	23	

	Power supply				Bus
Hydraulic modules	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RWM-3.5R3E RWM-4.0R3E RWM-5.0R3E RWM-6.0R3E	26.7 / 9.1	32 / 16 - C	3G6/5G2.5	28 / 20	

airH2O 600S hydraulic diagrams

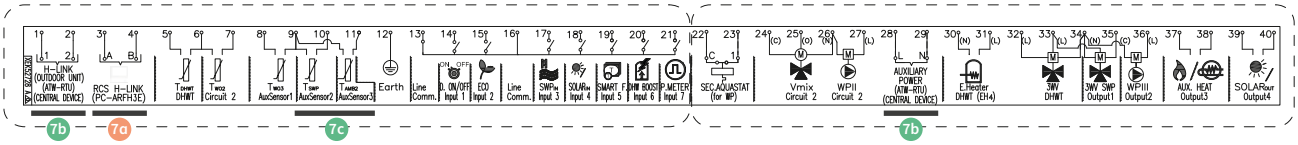
Your diagrams in just a few clicks
at yutaki-applications.com

1 control zone - direct radiators

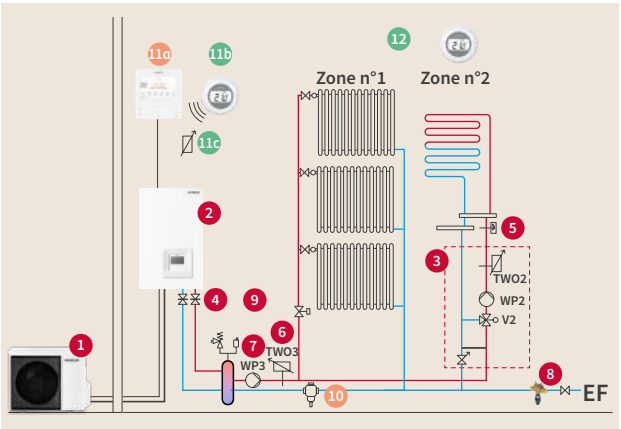


1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank included)	**Mandatory**	Hitachi supplied
3	Isolating valve	**Mandatory**	Hitachi supplied (with module)
4	Differential discharge valve	**Mandatory**	Hitachi option (ATW-DPOV-01)
5	Disconnector	**Mandatory**	Not supplied
6	Dirt separator	**Recommended (Required if floor)**	Not supplied
7a	Wired compensation thermostat zone 1: remote PC-ARFH3E	**Recommended**	Hitachi supplied (with module)
7b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
7c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**

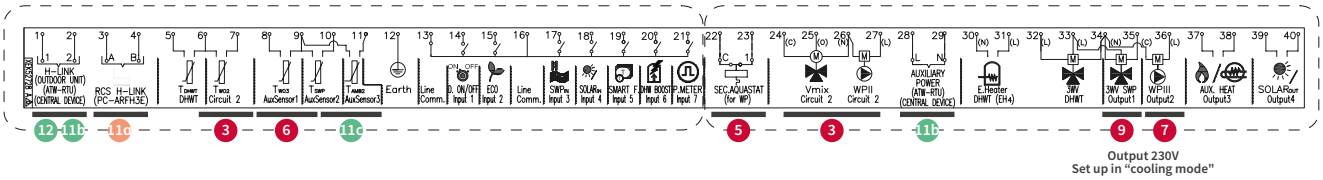


2 control zones - disconnection with direct radiators, mixed flooring (standard mode - reversible)



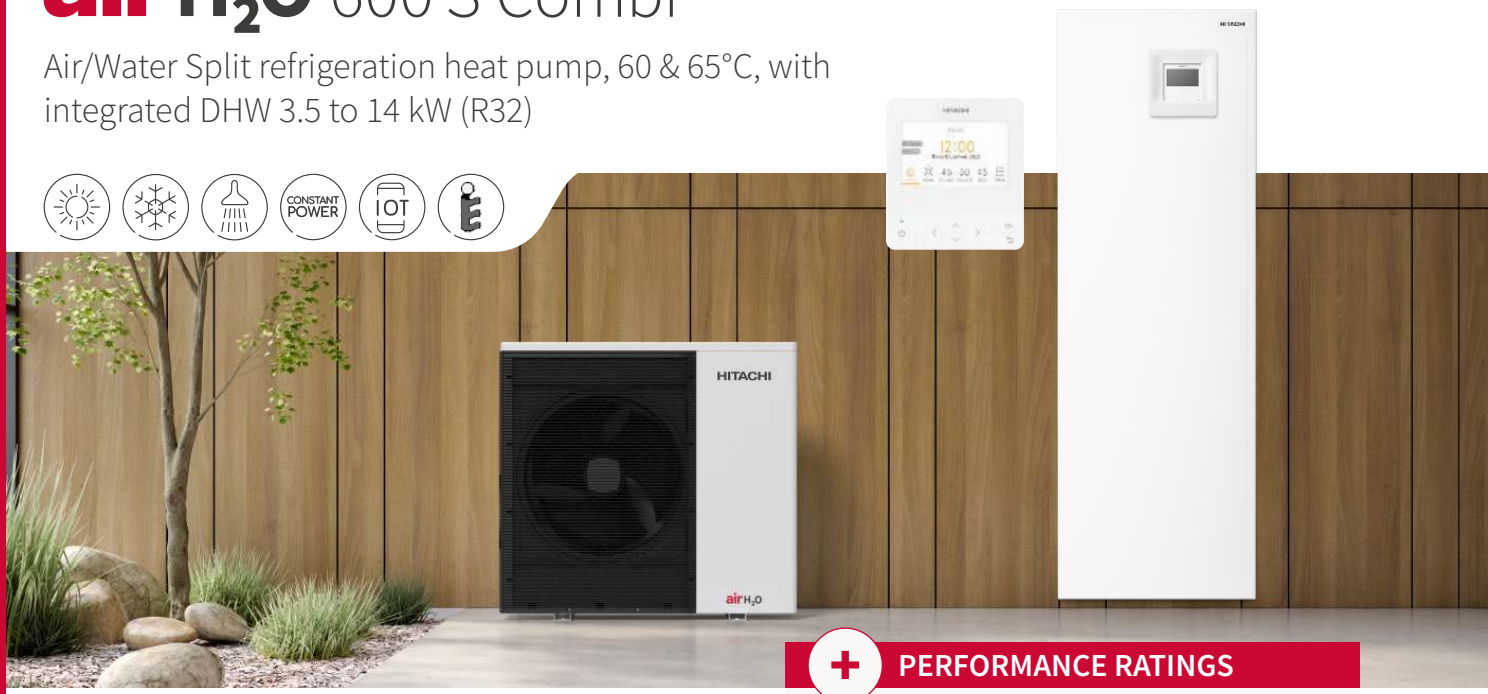
1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	**Mandatory**	Hitachi supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Hitachi supplied (with module)
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Universal temperature sensor	**Mandatory**	Hitachi option (ATW-WTS-02Y)
7	Secondary circulator	**Mandatory**	Not supplied
8	Disconnector	**Mandatory**	Not supplied
9	Motorized valve	**Mandatory (if refresh)**	Not supplied
10	Dirt separator	**Recommended**	Not supplied
11a	Wired compensation thermostat zone 1: remote PC-ARFH3E	**Recommended**	Hitachi supplied (with module)
11b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
11c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
12	Compensation thermostat zone 2	**Option**	Hitachi option RATW-RTU-06 if RTU-07 zone 1

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**

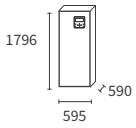


air H$_2$O 600 S Combi

Air/Water Split refrigeration heat pump, 60 & 65°C, with integrated DHW 3.5 to 14 kW (R32)



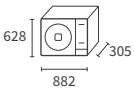
Indoor units



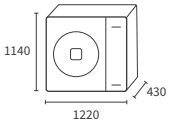
RWD-1.5RW3E-220S
RWD-2.0RW3E-220S
RWD-2.5RW3E-220S
RWD-3.0RW3E-220S
RWD-3.5RW3E-220S
RWD-4.0RW3E-220S
RWD-5.0RW3E-220S
RWD-6.0RW3E-220S

Outdoor units





RAS-1.5WHVRP2E
RAS-2WHVRP2E
RAS-2.5WHVRP2E
RAS-3WHVRP2E



RAS-3.5WH(V)RP2E
RAS-4WH(V)RP2E
RAS-5WH(V)RP2E
RAS-6WH(V)RP2E

PERFORMANCE RATINGS

- Power ratings suitable for all types of projects, new builds and renovations, even in cold weather. **Operation down to -25°C outside and CONSTANT POWER function and 65°C from water temperature** from model 8.5 kW, ideal for renovation work and cold climates.
- The airH2O 600 range delivers **exceptional levels of performance** with heating heat pump up to 5.1 and DHW up to 3.
- **A very robust 220L stainless steel tank** providing up to 288L of hot water at 40°C (profil L).

PRACTICAL FOR PROFESSIONALS

- **Fully-inclusive management:** All standard options (2 zones, boiler backup, smart grid ready, solar thermal, fan coil units).
- **CSNET Home PRO includes the following as standard:** View the status of your devices remotely and adjust their settings in real time.
- **NFC function:** Create / copy / paste / duplicate a configuration directly from your smartphone.

EASY TO CONTROL

- **Controller:** A modern, stylish LCD screen combined with ease of use for both home users and professionals.
- **CSNet Home included as standard**: Control your comfort from a distance at no extra charge.

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH3E**
Included



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



Front cover AirH2O 600 S & S COMBI to use in case of remote control malfunction in the room.
Model: **ATW-FCP-03**



Black wired remote control
Model: **PC-ARFH3EB**
Option

Hydraulic accessories



2-zone integrated kit
Model: **ATW-2TK-08**



3-way directional inversion valve
DHW and swimming pool applications.
Model: **ATW-3WV-01**



Universal sensor DHW, hydraulic decoupling, Circuit 2, swimming pool, solar (required if the tank is not a Hitachi DHWT).
Model: **ATW-WTS-02Y**

Options



Reversible kit
Equipment required for cooling mode operation.
Model: **ATW-CKSC-02**
(insulation + bridge)

airH2O 600 S Combi

R32 REFRIGERANT

Model	Unit	3.5 kW	4 kW	6 kW	8 kW	8.5 kW	10 kW	12 kW	14 kW
Performance, heating									
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	1.5/3.5/6.32	1.85/4.3/6.5	2.1/6/8.6	2.1/8/11	3.7/8.5/10.5	3.7/10/12	4/12/14	4/14/16
Capacity/max. heating (-7°C outside / 35°C water)	kW	3 / 5.21	4.5 / 5.5	5.3 / 6.2	5.8 / 7.5	8.5 / 8.5	10 / 10.5	12 / 12	14 / 14.6
Capacity/max. heating (-7°C outside / 55°C water)	kW	3 / 3.84	4 / 4.77	4.7 / 5	5 / 6	8 / 8.5	10 / 10	12 / 12	13.3 / 13.3
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	5.1	5		4.6	4.67	4.6	4.83	4.35
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.45 / 3.19	4.44 / 3.19	4.44 / 3.23	4.44 / 3.2	4.49 / 3.29		4.48 / 3.26	
Seasonal heating energy efficiency ηs (35°C) Single/Tri [1]	%	175				177		176	
Seasonal heating energy efficiency ηs (55°C) Single/Tri [1]	%	125				129		127	
Energy rating 35°C/55°C	-	A+++/A++							
Temperature range of water outlet (heating mode)	°C	20/60°C				20/65°C			
Max. temperature at the water outlet in thermodynamic-only mode	°C	60°C up to -5°C ext / -10°C ext with auxiliary				65°C up to -5°C ext / -13°C ext with auxiliary			
DHW performance levels (only S Combi)									
DHW heat pump (220L) in accordance with EN16147	-	3.1				2.83			
Seasonal energy efficiency nwh 220L L cycle	%	126				116			
DHW energy rating	-	A+				A+			
Temperature range of water outlet (DHW mode)	°C	30/55°C							
Vmax at 40°c acc to EN16147	L	283				273			
Performance in Cooling mode (optional)									
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	3.5 / 4.69	4 / 5.12	5.3 / 6	6.5 / 7	8.5 / 8.5	10 / 10	12 / 12	14 / 14
Absorbed capacity cooling (35°C ext/7°C water)	kW	1.21	1.31	1.63	1.77	2.71	2.91	4.19	4.56
EER (reversible model)	-	3.7	3.82	3.6	3.35	3.24	3.05	3	2.89

Hydraulic modules		RWD-1.5RW3E-220S	RWD-2.0RW3E-220S	RWD-2.5RW3E-220S	RWD-3.0RW3E-220S	RWD-3.5RW3E-220S	RWD-4.0RW3E-220S	RWD-5.0RW3E-220S	RWD-6.0RW3E-220S
Auxiliary electric resistance heating as standard / Three-stage	kW	3 (1+1+1)				6 (2 + 2 + 2)			
DHW auxiliary electric resistance as standard	kW	2.7							
Net weight, S Combi (220L)	kg	108				110			
Dimensions S Combi (HxLxD)	mm	1796 x 595 x 590				1796 x 595 x 590			
Sound pressure level	dB(A)	30							
Volume of DHW tank/Material of DHW tank	L	220 L / Stainless steel							
Remote control	-	included PC-ARFH3E							
Hydraulic features									
Expansion vessel	L	6							
Water flow (min/rated/max)	m³/h	0.5/0.6/2.1	0.5/0.8/2.1	0.6/1/2.5	0.6/1.4/2.5	1/1.4/2.7	1/1.7/2.7	1.1/2.1/2.8	1.1/2.4/2.8
Hydraulic connections for heating (male/male valves supplied)	inches	1"							
DHW hydraulic connection	inches	3/4"							
Min. system water capacity	L	28				50		55	
Electrical features									
Power supply	-	230V/1Ph/50 Hz				230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz			
SINGLE-PHASE 230V — Maximum intensity with auxiliary resistance + tank resistance S COMBI	A	25.6				38.7			
SINGLE-PHASE 230V — Cable section (mm²) / max. length (m) [2]	-	3 x 6/28				3 x 10/30			
3-PHASE 400V — Maximum intensity with auxiliary resistance + tank resistance S COMBI	A	-				17.3			
3-PHASE 400V — Cable section (mm²) / max. length (m) [2]	-	-				5 x 6/20			

Outdoor units		RAS-1.5WHVRP2E	RAS-2WHVRP2E	RAS-2.5WHVRP2E	RAS-3WHVRP2E	RAS-3.5WH(V)RP2E	RAS-4WH(V)RP2E	RAS-5WH(V)RP2E	RAS-6WH(V)RP2E
Pressure level at 5m / Sound power in hot mode [3]	dB(A)	23 / 50		23 / 51		27 / 53		28 / 54	
Dimensions (HxLxD)	mm	628 x 882 x 305				1140 x 1220 x 430			
Net weight	kg	45				112		114	
Operating ranges in Cooling/Heating/DHW mode	°C	+10~+46 // -20~+25 // -20~+35				+10~+46 // -25~+25 // -25~+43			
Cooling properties									
Diameter of refrigeration pipes (Liq - Gas)	inches	1/4" - 1/2"		1/4" - 1/2" up to 30m*		1/4" - 1/2" up to 30m (only hot)*			
Min./max. length/max. drop	m	3 - 50/20		3 - 40/20		5 - 50/20			
Refrigerant / Refrigerant charge for 10m	- / kg	R32 / 1.1		R32 / 1.2		R32 / 1.8		R32 / 2.1	
Compressor	-	ROTARY DC INVERTER							
Electrical features									
Power supply	-	230V/1Ph/50 Hz				230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz			
SINGLE-PHASE 230V — Max. current	A	12.6		16.5		28.6			
SINGLE-PHASE 230V — Cable section (mm²) / max. length (m) [2]	-	3 x 2.5/28		3 x 4/24	3 x 4/21	3 x 6/30			
3-PHASE 400V — Max. current	A	-				16.1			
3-PHASE 400V — Cable section (mm²) / max. length (m) [2]	-	-				5 x 2.5/16			
Indoor/Outdoor connection (protected)	mm²	2 x 0.75							

Retail price per unit excluding taxes

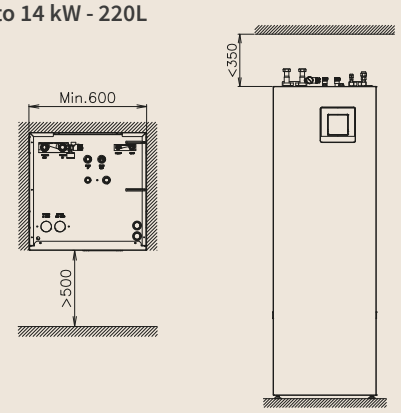
Hydraulic modules (Remote control included)	RWD-1.5RW3E-220S	RWD-2.0RW3E-220S	RWD-2.5RW3E-220S	RWD-3.0RW3E-220S	RWD-3.5RW3E-220S	RWD-4.0RW3E-220S	RWD-5.0RW3E-220S	RWD-6.0RW3E-220S
Premium outdoor units Single-phase units	RAS-1.5WHVRP2E	RAS-2WHVRP2E	RAS-2.5WHVRP2E	RAS-3WHVRP2E	RAS-3.5WHVRP2E	RAS-4WHVRP2E	RAS-5WHVRP2E	RAS-6WHVRP2E
Premium outdoor units Three-phase	-				RAS-3.5WHRP2E	RAS-4WHRP2E	RAS-5WHRP2E	RAS-6WHRP2E
Price for the whole set Single-phase Hydraulic module + outdoor unit								
Price for the whole set Three-phase Hydraulic module + outdoor unit	-							
Reversible kit (Optional)	ATW-CKSC-02							

(V) = mono [1] Seasonal energy efficiency without regulation, Keymark certification, in accordance with Regulation (EU) No. 813/2013 of the Commission of August 2, 2013, and standard EN14825. [2] Sections given for reference purposes only.
Compliant with the applicable electrical standards. [3] Pressure to 5 m in night mode - In accordance with EN12102-1 / ErP. *For distances greater than 30 m or cooling, please consult us or refer to the technical manual.
Refrigerator valves on unit and module in 1/4 5/8, provide adapters in accordance with the piping used / not supplied by Hitachi (refer to the technical manual for more information).

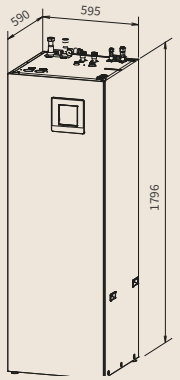
Prepare your construction site airH2O 600 S Combi

1. How much space do I need for my hydraulic module?

Models 3.5 to 14 kW - 220L

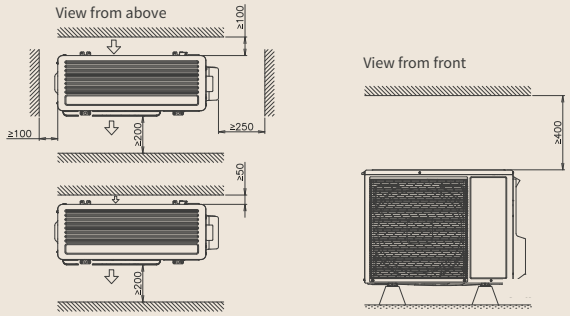


Models 3.5 to 14 kW - 220L

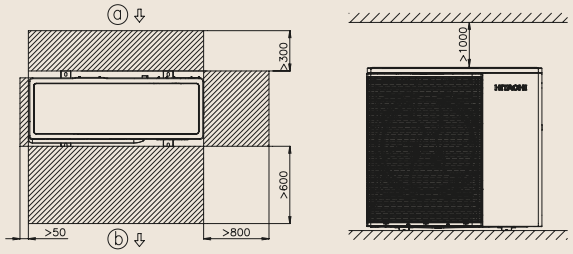


2. How much space do I need for my outdoor unit?

Models 3.5 to 8 kW
HxLxD: 628 x 882 x 305 mm



Models 8.5 to 14 kW
H x L x D: 1140 x 1220 x 370 mm



3. Which hydraulic and cooling connections are required?

Hydraulic features	Unit	3.5 to 8 KW	8.5 to 14 KW
Hydraulic connections Heating (male/male valves supplied)	inches	1"	1"
Hydraulic connections for DHW	inches	3/4"	3/4"
Cooling properties		**3.5 to 8 KW**	**8.5 to 14 KW**
Diameter of cooling pipes (Liq - Gas)	inches	1/4" - 1/2" 3/8 5/8 > to 30m* for the 6 and 8 kW	1/4" - 1/2" up to 30m* and heat only

*For distances greater than 30 m or cooling, please consult us or refer to the technical manual. Refrigerator valves on unit and module in 1/4 5/8, provide adapters in accordance with the piping used / not supplied by Hitachi (refer to the technical manual for more information).

4. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog.
Data provided as a guide, please refer to the applicable electrical standard.

	Power supply				Bus
Outdoor units	Intensity 230 V	Protection 230 V	Cable section 230 V	Max. cable length 230 V	Lycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RAS-1.5WHVRP2E	12.6	16 / D	3G2. 5	28	
RAS-2WHVRP2E	12.6	16 / D	3G2. 5	28	
RAS-2.5WHVRP2E	16.5	20 / D	3G4	24	
RAS-3WHVRP2E	16.5	20 / D	3G4	34	

	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Lycy shielded cable 2 x 0.75 mm2
	Max A	A/curve	mm²	m	
RAS-3.5WHVRP2E / WHRP2E RAS-4WHVRP2E/WHRP2E RAS-5WHVRP2E/WHRP2E RAS-6WHVRP2E/WHRP2E	28.6 / 16.1	32 / 20	3G6/5G4	30 / 16	

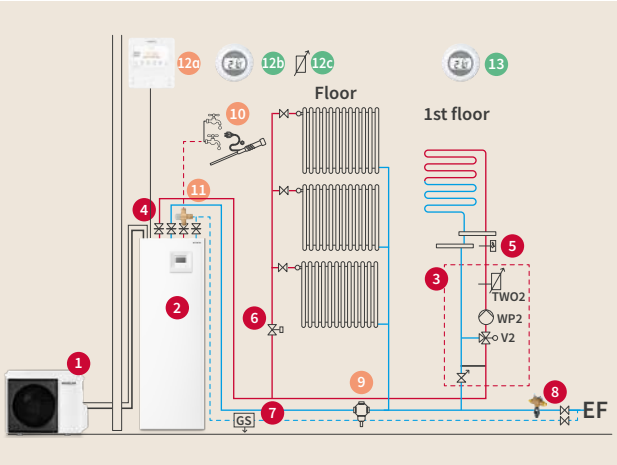
	Power supply				Bus
Hydraulic modules	Intensity 230 V	Protection 230 V	Cable section 230 V	Max. cable length 230 V	Lycy shielded cable 2 x 0.75 mm2
	Max A	A/curve	mm²	m	
RWD-1.5RW3E-220S	25.6	32 / C	3G6	28	
RWD-2.0RW3E-220S	25.6	32 / C	3G6	28	
RWD-2.5RW3E-220S	25.6	32 / C	3G6	28	
RWD-3.0RW3E-220S	25.6	32 / C	3G6	28	

	Power supply				Bus
Hydraulic modules	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Lycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RWD-3.5RW3E220S RWD-4.0RW3E220S RWD-5.0RW3E220S RWD-6.0RW3E220S	38.7 / 21.3	50 / 25– C	3G10/5G6	28 / 20	

airH2O 600 S Combi hydraulic diagrams

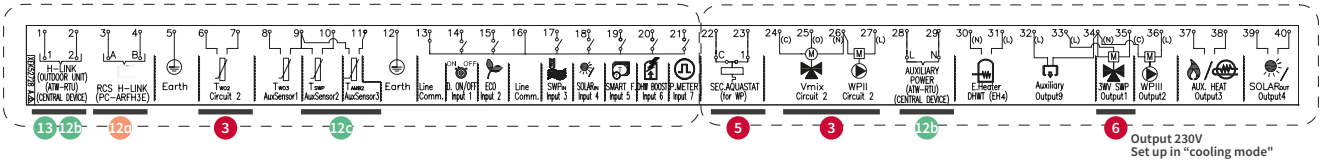
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2 control zones: Direct radiators, mixed flooring (reversible)

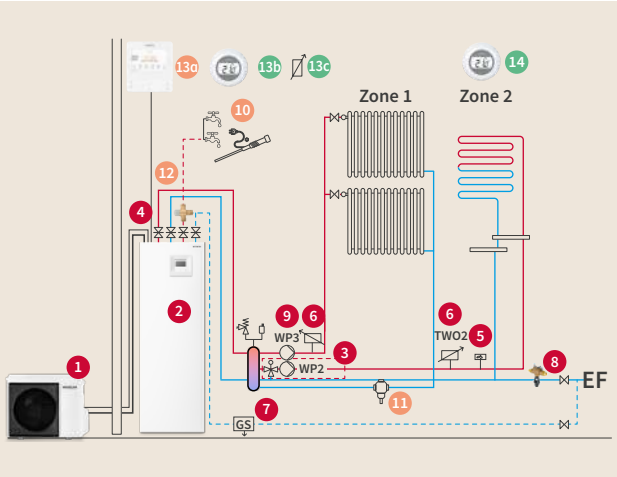


1	Outdoor unit	Mandatory	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	Mandatory	Hitachi supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	Mandatory	Hitachi option (ATW-2TK-07)
4	Isolating valves heating 1st zone	Mandatory	Hitachi supplied (to be provided on site for the second zone)
5	Safety aquastat for underfloor heating	Mandatory	Hitachi option (ATW-AQT-01)
6	Motorized valve	Mandatory (if refresh)	Not supplied
7	DNW safety unit	Mandatory	Not supplied
8	Disconnector	Mandatory	Not supplied
9	Dirt separator	Recommended (Required if floor)	Not supplied
10	Active Titanium Anode	Recommended	Option (ATW-CP-05)
11	Thermostatic mixer	Recommended	Not supplied
12a	Wired compensation thermostat zone 1: remote PC-ARFH3E	Recommended	Hitachi supplied (with module)
12b	Wireless compensation thermostat zone 1	Option	Hitachi option (ATW-RTU-07)
12c	Wired ambiance sensor	Option	Hitachi option (ATW-ITS-01)
13	Compensation thermostat zone 2	Option	Hitachi option ATW-RTU-06 if RTU-07 zone 1

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**

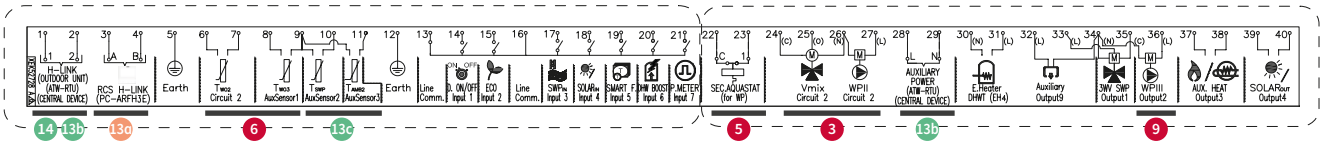


2 control zones - radiators and disconnected floor (parallel mode - reversible)



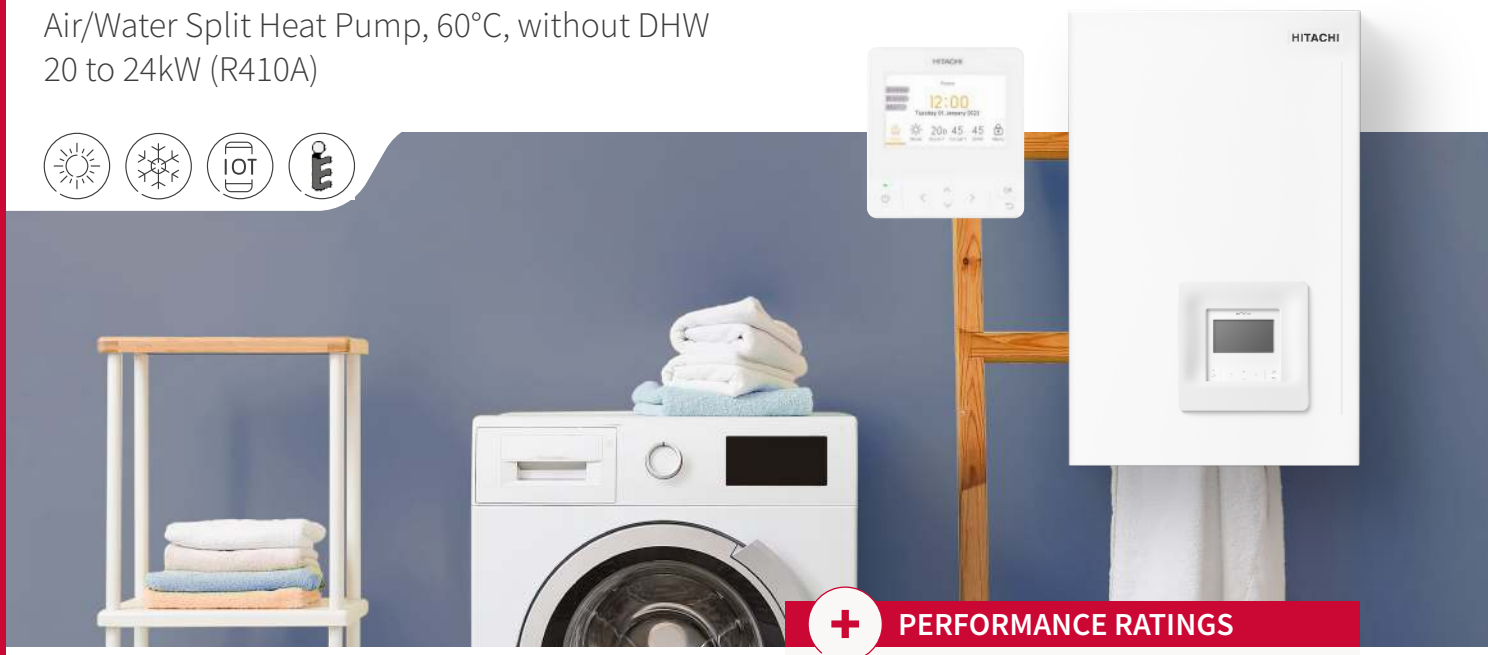
1	Outdoor unit	Mandatory	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	Mandatory	Hitachi supplied
3	2 zones kit floor with mixer valve and circulator, Thermador or STG type	Mandatory	Not supplied
4	Isolating valve heating	Mandatory	Hitachi supplied (with module)
5	Safety aquastat for underfloor heating	Mandatory	Hitachi option (ATW-AQT-01)
6	Universal temperature sensor	Mandatory	Hitachi option (ATW-WTS-02Y)
7	DNW safety unit	Mandatory	Not supplied
8	Disconnector	Mandatory	Not supplied
9	Secondary circulator	Mandatory	Not supplied
10	Active Titanium Anode	Recommended	Option (ATW-CP-05)
11	Dirt separator	Recommended	Not supplied
12	Thermostatic mixer	Recommended	Not supplied
13c	Wired compensation thermostat zone 1: remote PC-ARFH3E	Recommended	Hitachi supplied (with module)
13b	Wireless compensation thermostat zone 1	Option	Hitachi option (ATW-RTU-07)
13c	Wired ambiance sensor	Option	Hitachi option (ATW-ITS-01)
14	Compensation thermostat zone 2	Option	Hitachi option ATW-RTU-06 if RTU-07 zone 1

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



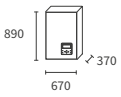
Yutaki S 2.0

Air/Water Split Heat Pump, 60°C, without DHW
20 to 24kW (R410A)



Indoor units

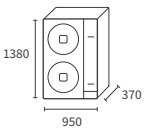
Yutaki S 2.0
20 to 24kW



RWM-8.0N3E
RWM-10.0N3E

Outdoor units





RAS-8WHNPE
RAS-10WHNPE

PERFORMANCE RATINGS

- Power ratings suitable for all types of projects, new builds and renovations, even in cold weather, operating down to -25°C outside and water temperatures from 60°C down to -10°C without resistance.
- The Yutaki 2.0 range offers exceptional performance with heating COPs of up to 5.25.

PRACTICAL FOR PROFESSIONALS

- **Fully-inclusive management:** All standard features (2-zone control, boiler backup, remote DHW management, SmartGrid-ready, solar thermal, fan coil units).
- **CSNET Home PRO includes the following as standard:** View the status of your devices remotely and adjust their settings in real time.
- **NFC function:** Create/copy/paste/duplicate a configuration directly via your smartphone.

EASY TO CONTROL

- **Controller:** A modern, stylish LCD screen that is easy to use for both home and professional users.
- **CSNet Home included as standard:** Control your comfort from a distance at no extra charge.

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH3E**
Included



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



Front cover˚ Yutaki S 2.0 and S COMBI 2.0
Use if moving the remote control in the environment.
Model: **ATW-FCP-03**



CSNET Home gateway connectivity
Model: **ATW-IOT-01**

Hydraulic accessories



2-zone kit with 3-way valve and wall-mounted circulator
Model: **ATW-2TK-07**



3-way directional inversion valve
Model: **ATW-3WV-01**



Universal sensor
Model: **ATW-WTS-02Y**



Differential discharge valve
Model: **ATW-DPOV-01**

Options



DHW storage tank
Models. :
200 L: **DHWT-200S-3.0H2E**
(H x D) 1270 x 595 mm

300 L: **DHWT-300S-3.0H2E**
(H x D) 1750 x 595 mm



Yutaki S 2.0 reversible kit ATW-CKS-03 (Yutaki S 2.0 - 8 / 10HP)



Cascade control cabinet (8 max)
Model: **ATW-YCC-04**

Yutaki S 2.0



Consider the DHW 300L tank option for a complete solution with these power ratings.

Tank P. 103

Model	Unit	YUTAKI S 2.0 20kW	YUTAKI S 2.0 24kW
Performance, heating			
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	9.00/20.00/25.50	10.00/24.00/32.00
Capacity/max. heating (-7°C outside / 35°C water)	kW	14.2 / 17.9	16.5 / 21.0
Capacity/max. heating (-7°C outside / 45°C water)	kW	15.00 / 16.60	16.50 / 18.50
Capacity/max. heating (-7°C outside / 55°C water)	kW	12.5 / 14.5	15.5 / 17.3
Capacity Heating (7°C outside/35°C water)	kW	4.65	5.59
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	4.30	4.29
SCOP average climate 35°C/55°C in accordance with EN14825	-	3.88/3.13	3.6 / 2.98
Seasonal energy efficiency Heating ηs (35°C) Single/Tri[1]	%	**-/150**	**-/141**
Seasonal energy efficiency Heating ηs (55°C) Single/Tri[1]	%	**-/120**	**-/116**
Energy rating 35°C / 55°C	-	A++/A+	A+/A+
Temperature range of water outlet (heating mode)	°C	20/60°C	
Max. temperature at the water outlet in thermodynamic-only mode	°C	60°C up to -10° C ext	
Performance in Cooling mode (optional)			
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	14 / 16.4	17.5 / 20.6
Absorbed capacity cooling (35°C ext/7°C water)	kW	4.48	4.08
EER (reversible model)	-	3.12	2.81

Hydraulic modules		Unit	RWM-8.0N3E	RWM-10.0N3E
Additional electrical heating element as standard/3-level		kW	9 (3+3+3)	9 (3+3+3)
Net weight		kg	60	62
Dimensions (HxLxD)		mm	890 x 670 x 370	
Sound power		dB(A)	47	
Remote control			Included	
Hydraulic features				
Expansion vessel		L	10	
Water flow (min/rated/max)		m^3/h	2.00/3.4/4.50	2.20/4.1/4.60
Hydraulic connections for heating (male/male valves supplied)		inches	1" 1/4	
Min. system water capacity		L	76	79
Electrical features				
Power supply		-	400V/3Ph/50 Hz	
SINGLE-PHASE 230V	Max. current with added resistance	A	-	
	Cable section (mm^2)/max. length (m) [2]	-	-	
	Max. current with added resistance + tank resistance/Yutaki S Optional	A	-	
	Cable section (mm^2)/max. length (m) [2]	-	-	
3-PHASE 400V	Max. current with additional resistance	-	13.7	
	Cable section (mm^2)/max. length (m) [2]	-	5 x 2.5/20	
	Max. current with additional resistance + tank resistance/Yutaki S Optional	-	26.7	
	Cable section (mm^2)/max. length (m) [2]	-	5 x 6/20	

Premium outdoor units	Unit	RAS-8WHNPE	RAS-10WHNPE
Pressure level at 5m / Acoustic pressure in Heating mode[3]	dB(A)	45 / 59	45 / 60
Air flow rate	m^3/h	7620	8040
Dimensions (HxLxD)	mm	1380 x 950 x 370	
Net weight	kg	137	139
Operating ranges in Cooling/Heating/DHW mode	°C		
Cooling properties			
Diameter of refrigeration pipes (Liq - Gas)	inches	3/8" 1"	1/2" 1"
Min./max. length/max. drop	m	5 - 70/20	
Initial prefilled refrigerant/Additional load	kg/g/m	5 for 15m/65	5.3 for 15m/65
Refrigerant	-	R410A	
Compressor	-	SCROLL	
Electrical features			
Power supply	-	400V/3Ph/50 Hz	
SINGLE-PHASE 230V — Max. current	A	-	-
SINGLE-PHASE 230V — Cable section (mm^2)/max. length (m) [2]	-	-	-
3-PHASE 400V — Max. current	A	24	24
3-PHASE 400V — Cable section (mm^2)/max. length (m) [2]	-	5 x 6/26	
Indoor/Outdoor connection (protected)	mm^2	2 x 0.75	

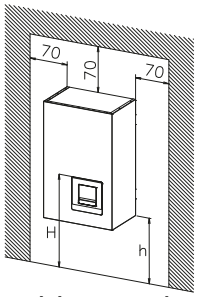
Retail price per unit excluding taxes

Hydraulic modules (Remote control included)	**RWM-8.0N1E**	**RWM-10.0N1E**
Premium outdoor units Three-phase	**RAS-8WHNPE**	**RAS-10WHNPE**
Price for the whole set Three-phase Hydraulic module + outdoor unit		
Reversible kit (Optional)	**ATW-CKS-03**	

[1] Non-regulated seasonal energy efficiency, according to EN14825. [2] Sections given for information purposes only. Compliant with the applicable electrical standards. (V) = single. [3] Pressure to 5m in Silent Mode / In accordance with EN-12102.

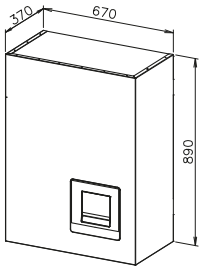
Prepare your construction site Yutaki S 2.0

1. How much space do I need for my hydraulic module?



H = 1250mm recommended
for easy access to the controller
h = 350 mm min for installing stop valves and connections

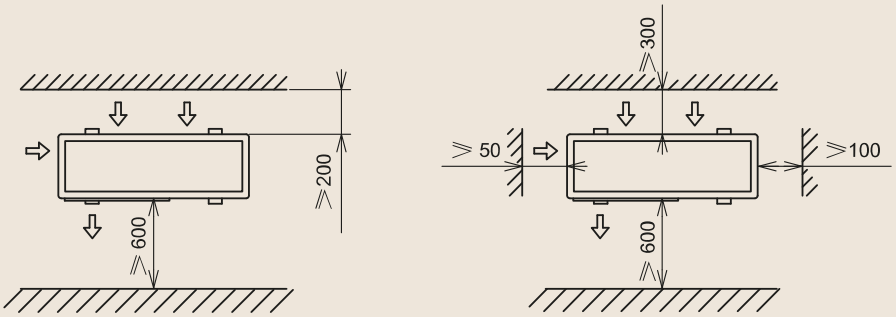
Models 20 to 24 kW



Models 20 and 24 kW

2. How much space do I need for my outdoor unit?

Models 20 to 24 kW
HxLxD: 1380 x 950 x 370 mm



3. Which hydraulic and cooling connections are required?

Cooling properties	Unit	20kW	24kW
Diameter of cooling pipes (Liq - Gas)	inches	3/8" - 1"	1/2" - 1"
Hydraulic features			
Hydraulic connections for heating (male/male valves supplied)	inches	1" - 1/4	

4. Which electrical connection should I provide?

Please note that these sections and protections are given for intensities with auxiliary heating resistances. If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog.
Data provided as a guide, please refer to the applicable electrical standard.

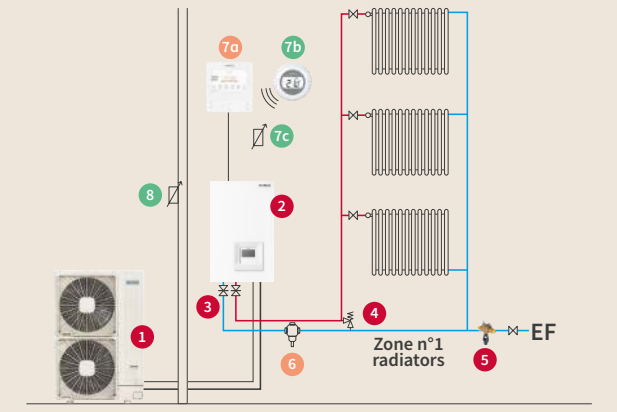
	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RAS-8WHNPE	-/24	-/ 25- D	- / 5G6	-/26	
RAS-10WHNPE	-/24	-/ 25- D	- / 5G6	-/26	

	Power supply				Bus
Hydraulic modules	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RWM-8.0N3E	-/13.7	- / 20 - C	- / 5G4	-/20	
RWM-10.0N3E	-/13.7	- / 20 - C	- / 5G4	-/20	

Hydraulic setups Yutaki S 2.0

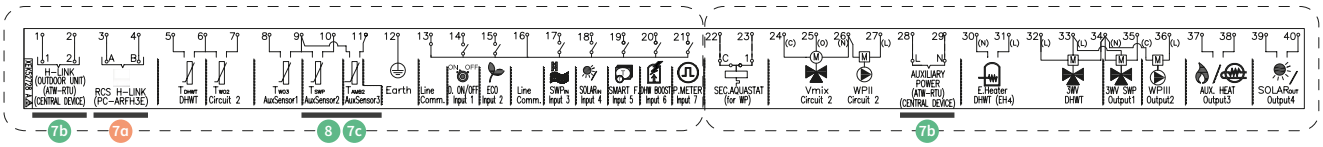
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1 control zone - direct radiators



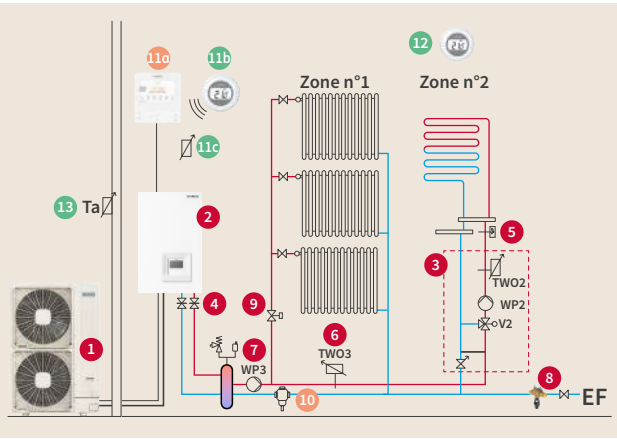
1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank included)	**Mandatory**	Hitachi supplied
3	Isolating valve	**Mandatory**	Hitachi supplied (with module)
4	Differential discharge valve	**Mandatory**	Hitachi option (ATW-DPOV-01)
5	Disconnector	**Mandatory**	Not supplied
6	Dirt separator	**Recommended (Required if floor)**	Not supplied
7a	Wired compensation thermostat zone 1: Offset PC-ARFH2E	**Recommended**	Hitachi supplied (with module)
7b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
7c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
8	Outdoor sensor	**Option**	Hitachi option (ATW-2OS-02)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



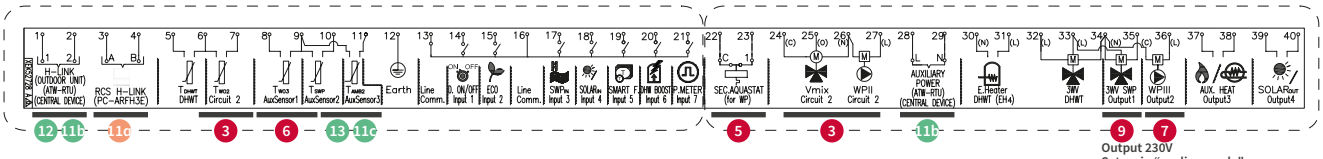
2 control zones - disconnection with direct radiators, mixed flooring

(standard mode - reversible)



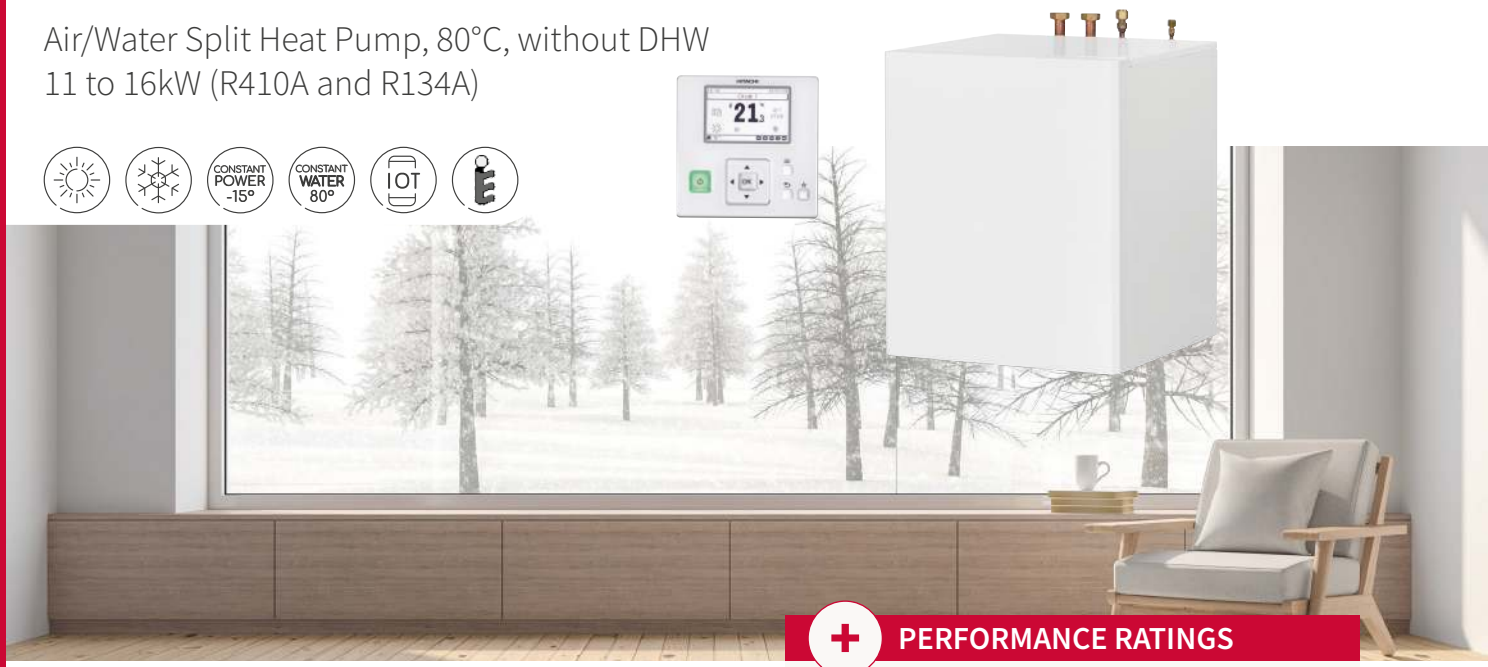
1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	**Mandatory**	Hitachi supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Hitachi supplied (with module)
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Universal temperature sensor	**Mandatory**	Hitachi option (ATW-WTS-02Y)
7	Secondary circulator	**Mandatory**	Not supplied
8	Disconnector	**Mandatory**	Not supplied
9	Motorized valve	**Mandatory (if refresh)**	Not supplied
10	Dirt separator	**Recommended**	Not supplied
11a	Wired compensation thermostat zone 1: Offset PC-ARFH2E	**Recommended**	Hitachi supplied (with module)
11b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
11c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
12	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1
13	Outdoor sensor	**Option**	Hitachi option (ATW-2OS-02)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



Yutaki S80

Air/Water Split Heat Pump, 80°C, without DHW
11 to 16kW (R410A and R134A)



PERFORMANCE RATINGS

- The Yutaki S80 range offers exceptional performance for demanding renovation projects.
- Its Constant Power technology enables it to maintain its power all year round down to -15°C outside in 100% thermodynamic mode (up to 65°C water temperature).
- Its Constant Water technology enables it to reach and maintain a constant water outlet temperature from 80°C to -20°C, using 100% thermodynamics.

PRACTICAL FOR PROFESSIONALS

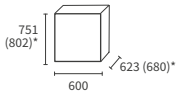
- **Fully-inclusive management:** All standard features (2-zone control, boiler backup, remote DHW management, SmartGrid-ready, solar thermal, fan coil units).
- **CSNET Home PRO :** View the status of your fleet remotely and adjust its settings in real time.

EASY TO CONTROL

- **Controller:** High-performance and easy to use for both home users and professionals.

Indoor units

*With connections.



RWH-4.0VNFE
RWH-5.0VNFE
RWH-6.0VNFE

Outdoor units



RAS-4WH(V)NPE
RAS-5WH(V)NPE
RAS-6WH(V)NPE

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH1E**
Not included



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



CSNET Home gateway connectivity
Model: **ATW-IOT-01**

Hydraulic accessories



2-zone kit with valve 3-way valve and wall-mounted circulator.
Model: **ATW-2TK-07**



3-way directional inversion valve
Model: **ATW-3WV-01**



Universal sensor
Model: **ATW-WTS-02Y**

Options



Domestic Hot Water Storage Tank
Stainless steel tank

Refs. :
200 L: **DHWT-200S-3.0H2E**
(H x D) 1270 x 595 mm

300 L: **DHWT-300S-3.0H2E**
(H x D) 1750 x 595 mm



Yutaki cascade control cabinet (8 max)
Model: **ATW-YCC-01**



Connected heater
Model: **WEH-6E**

Yutaki S80

R410A + R134A COOLANT

Model	Unit	YUTAKI S80 11kW	YUTAKI S80 14 kW	YUTAKI S80 16kW
Performance, heating				
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	11.0 / 15.2	14.0 / 16.7	16.0 / 17.8
Capacity/max. heating (-7°C outside / 35°C water)	kW	9.7 / 10.6	11.5 / 12.2	12.1 / 13.0
Capacity/max. heating (-7°C outside / 45°C water)	kW	11.0 / 12.5	14.0 / 14.5	16.0 / 16.0
Capacity/max. heating (-7°C outside / 55°C water)	kW	11.0 / 12.5	14.0 / 14.5	16.0 / 16.0
Capacity Heating (7°C outside/35°C water)	kW	2.20	2.97	3.50
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	5.00	4.71	4.57
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.75 / 3.63	4.43 / 3.35	3.88 / 3.23
Seasonal energy efficiency heating **ηs (35°C) Single/Tri**[1]	%	**187 / 183**	**174 / 171**	**152 / 150**
Seasonal energy efficiency heating **ηs (55°C) Single/Tri**[1]	%	**142 / 140**	**131 / 129**	**126 / 125**
Energy rating 35°C / 55°C	-	A+++/A++		A++/A++
Temperature range of water outlet (heating mode)	°C	20/80°C		
Max. temperature at the water outlet in thermodynamic-only mode	°C	80°C up to -20°C outside		

Hydraulic modules		Unit	RWH-4.0(V)NFE	RWH-5.0(V)NFE	RWH-6.0(V)NFE
Net weight		kg	135 / 137	139 / 146	139 / 146
Dimensions (HxLxD)		mm	751 x 600 x 623		
Sound power		dB(A)	57	57	58
Remote control		-	Not included		
Hydraulic features					
Expansion vessel		L	12		
Water flow (min/rated/max)		m^3/h	1.00/1/2.80	1.10/1.2/3.20	1.20/1.38/3.20
Hydraulic connections for heating (male/male valves supplied)		inches	1" 1/4		
Min. system water capacity		L	40	50	50
Cooling properties					
Refrigerant		-	R134A		
Initial refrigerant load		kg	1.9 kg for every 15m		
Compressor		-	SCROLL		
Electrical features					
Power supply		-	230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE-PHASE 230V	Max. current	A	24	28	31
	Cable section (mm^2)/max. length (m) [2]	-	3 x 6		
3-PHASE 400V	Max. current	A	10	10	10
	Cable section (mm^2)/max. length (m) [2]	-	5 x 2.5		

Premium outdoor units		Unit	RAS-4WH(V)NPE	RAS-5WH(V)NPE	RAS-6WH(V)NPE
Pressure level at 5m / Acoustic pressure in Heating mode[3]		dB(A)	36 / 58	36 / 59	37 / 60
Air flow rate		m^3/h	4800	5400	6000
Dimensions (HxLxD)		mm	1380 x 950 x 370		
Net weight		kg	103		
Operating ranges for Heating/DHW		°C	-25/+25 // -25/+35		
Cooling properties					
Diameter of refrigeration pipes (Liq - Gas)		inches	3/8" 5/8"		
Min./max. length/max. drop		m	5 - 75/20		
Initial prefilled refrigerant/Additional load		kg/g/m	3.3 for 15m/60	3.4 for 15m/60	
Refrigerant		-	R410A		
Compressor		-	SCROLL		
Electrical features					
Power supply		-	230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE-PHASE 230V	Max. current	A	30.5		
	Cable section (mm^2)/max. length (m) [2]	-	3 x 6/30		
3-PHASE 400V	Max. current	A	14		16
	Cable section (mm^2)/max. length (m) [2]	-	5 x 2.5/16		5 x 2.5/16
Indoor/Outdoor connection (protected)		mm^2	2 x 0.75		

Retail price per unit excluding taxes

Hydraulic modules (Remote control not included) Single-phase	RWH-4.0VNFE	RWH-5.0VNFE	RWH-6.0VNFE
Hydraulic modules (Remote control NOT included) Three-phase	RWH-4.0NFE	RWH-5.0NFE	RWH-6.0NFE
Premium outdoor units Single-phase units	RAS-4WHVNPE	RAS-5WHVNPE	RAS-6WHVNPE
Premium outdoor units Three-phase	RAS-4WHNPE	RAS-5WHNPE	RAS-6WHNPE
Remote control (Mandatory)	PC-ARFH1E		
Price for the whole set Single-phase Hydraulic module + outdoor unit + remote control			
Price for the whole set Three-phase Hydraulic module + outdoor unit + remote control			

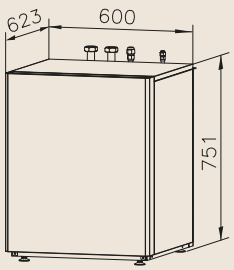
[1] Non-regulated seasonal energy efficiency, Keymark-certified. [2] Sections given for reference purposes only. Compliant with the applicable electrical standards. (V) = single. [3] pressure to 5m in night mode / in accordance with EN12102-1

Prepare your construction site Yutaki S80

1. How much space do I need for my hydraulic module?

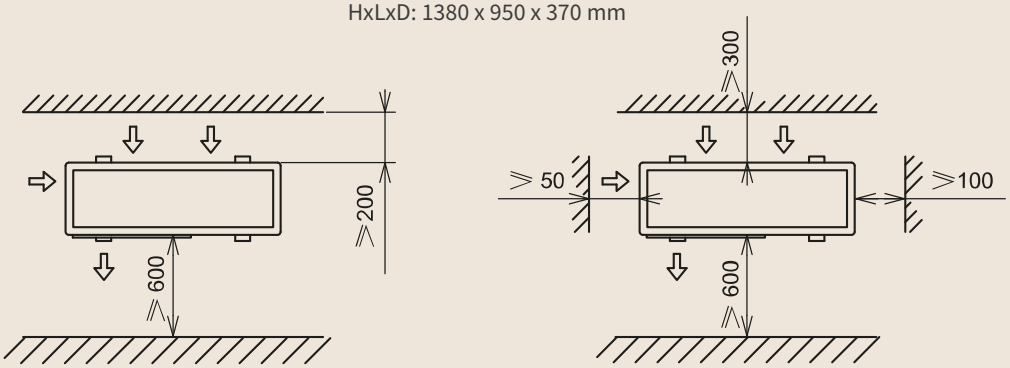
Models 11 to 16 kW

Models 11 to 16 kW



2. How much space do I need for my outdoor unit?

Models 11 to 16 kW
HxLxD: 1380 x 950 x 370 mm



3. Which hydraulic and cooling connections are required?

Hydraulic features	Unit	11 to 16 KW
Hydraulic connections for heating (male/male valves supplied)	inches	1”1/4
Cooling properties		
Diameter of cooling pipes (Liq - Gas)	inches	3/8” 5/8”

4. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog. Data provided as a guide, please refer to the applicable electrical standard.

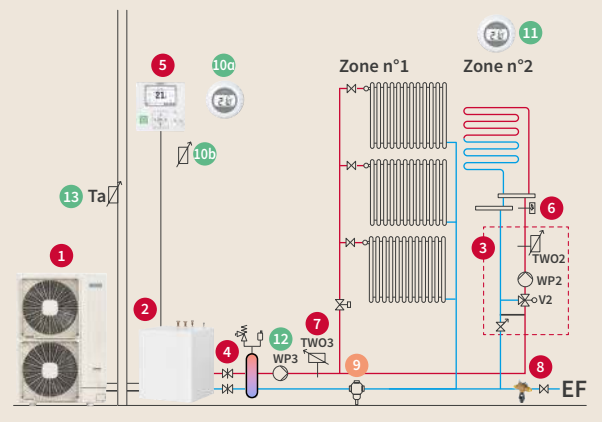
	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Lycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RAS-4WHVNPE / WHNPE	30 / 14	32 / 16 - D	3G6 / 5G2,5	30 / 16	
RAS-5WHVNPE / WHNPE	30 / 14	32 / 16 - D	3G6 / 5G2,5	30 / 16	
RAS-6WHVNPE / WHNPE	30 / 16	32 / 20 - D	3G6/5G4	30 / 16	

	Power supply				Bus
Hydraulic modules	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Lycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RWH-4.0VNFE/NFE	24 / 10	32 / 16 - C	3G6/5G2.5	28 / 20	
RWH-5.0VNFE/NFE	28 / 10	32 / 16 - C	3G6/5G2.5	28 / 20	
RWH-6.0VNFE/NFE	31 / 10	32 / 16 - C	3G6/5G2.5	28 / 20	

Hydraulic setups
Yutaki S 80

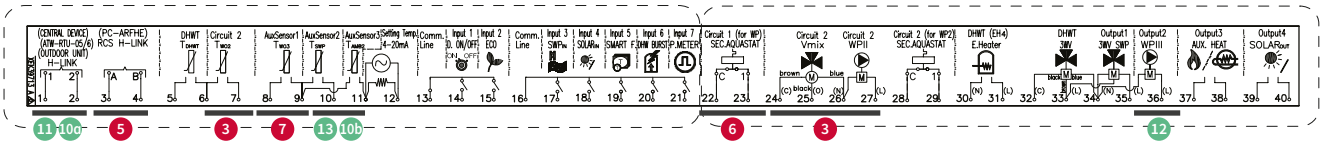
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2 control zones:
Disconnection with direct radiators, mixed flooring
(standard mode - reversible)



1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	**Mandatory**	Hitachi supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Hitachi supplied (with module)
5	Wired compensation thermostat zone 1: remote PC-ARFH1E	**Mandatory**	Hitachi option PC-ARFH1E
6	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
7	Universal temperature sensor	**Mandatory**	Hitachi option (ATW-WTS-02Y)
8	Disconnector	**Mandatory**	Not supplied
9	Dirt separator	**Recommended**	Not supplied
10a	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
10b	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
11	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1
12	Secondary circulator	**Option**	Not supplied
13	Outdoor sensor	**Option**	Hitachi option (ATW-2OS-02)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



Single-phase terminal block; for three-phase, see the technical manual.

Yutaki S80 Combi

Air/Water Split refrigeration heat pump, 80°C, with integrated DHW 11 to 16kW (R410A and R134A)



PERFORMANCE RATINGS

- The Yutaki S80 range offers exceptional performance for demanding renovation projects.
- Its Constant Power technology enables it to maintain its power all year round down to -15°C outside in 100% thermodynamic mode (up to 65°C water temperature).
- Its Constant Water technology enables it to reach and maintain a constant water outlet temperature from 80°C to -20°C, using 100% thermodynamics.

PRACTICAL FOR PROFESSIONALS

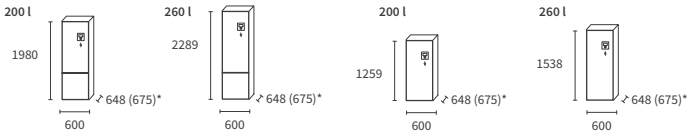
- **Fully-inclusive management:** All standard options (2 zones, boiler backup, smart grid ready, solar thermal, fan coil units).
- **Flexibility:** The DHW tank can be installed next to the module for spaces with low ceiling.
- **CSNET Home PRO:** View the status of your fleet remotely and adjust its settings in real time.

EASY TO CONTROL

- **Controller:** High-performance and easy to use for both home users and professionals.

Indoor units

*With connections.

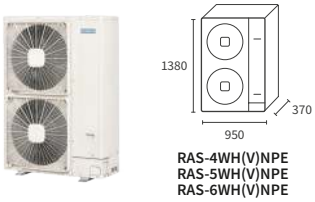


RWH-4.0(V)NFWE
RWH-5.0(V)NFWE
RWH-6.0(V)NFWE

DHWS200S-2.7H2E

DHWS260S-2.7H2E

Outdoor units



RAS-4WH(V)NPE
RAS-5WH(V)NPE
RAS-6WH(V)NPE

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH1E**
Included



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



Front panel
Use if moving the remote control in the environment.
Model: **ATW-FCP-01**



CSNET Home gateway connectivity
Model: **ATW-IOT-01**

Hydraulic accessories



2-zones kit with 3-way valve and wall-mounted circulator
Model: **ATW-2TK-07**

DHW hoses
Model: **ATW-FWP-02**



Universal sensor
Model: **ATW-WTS-02Y**

Options



Control cabinet cascade Yutaki
Management of a cascade of up to 8 Yutaki pumps from the same range and with the same power (single-phase or three-phase).
Model: **ATW-YCC-01**



Connected heater
Model: **WEH-6E**

Yutaki S80 Combi

R410A + R134A COOLANT

Model	Unit	YUTAKI S80 COMBI 11kW	YUTAKI S80 COMBI 14 kW	YUTAKI S80 COMBI 16kW
Performance, heating				
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	11.0 / 15.2	14.0 / 16.7	16.0 / 17.8
Capacity/max. heating (-7°C outside / 35°C water)	kW	9.7 / 10.6	11.5 / 12.2	12.1 / 13.0
Capacity/max. heating (-7°C outside / 55°C water)	kW	11.0 / 12.5	14.0 / 14.5	16.0 / 16.0
Capacity Heating (7°C outside/35°C water)	kW	2.20	2.97	3.50
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	5.00	4.71	4.57
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.75 / 3.63	4.43 / 3.35	3.88 / 3.23
Seasonal energy efficiency heating ηs (35°C) Single/Tri[1]	%	**187 / 183**	**174 / 171**	**152 / 150**
Seasonal energy efficiency heating ηs (55°C) Single/Tri[1]	%	**142 / 140**	**131 / 129**	**126 / 125**
Energy rating 35°C / 55°C	-	A+++/A++		A++/A++
Temperature range of water outlet (heating mode)	°C	20/80°C		
Max. temperature at the water outlet in thermodynamic-only mode	°C	80°C up to -20°C outside		
DHW performance				
Seasonal energy efficiency nwh (200L; L cycle/260L; XL cycle)	%	130 / 134		
DHW energy rating	-	A+		
Temperature range of water outlet (DHW mode)	°C	30/75°C		

Hydraulic modules + DHW tank		Unit	RWH-4.0(V)NFWE + DHWS(200/260) S-2.7H2E	RWH-5.0(V)NFWE + DHWS(200/260) S-2.7H2E	RWH-6.0(V)NFWE + DHWS(200/260) S-2.7H2E
Net weight of the Single/Three-Phase hydraulic module		kg	135 / 137	139 / 146	139 / 146
Net weight of the DHW tank (200L/260L)		kg	62 / 81		
Dimensions (HxLxD) with 200L /260L integrated DHW tank		mm	1980 x 600 x 648/2289 x 600 x 648		
Sound power		dB(A)	57		58
Volume of DHW tank/Material of DHW tank		L	200 or 260 L/stainless steel		
Remote control		-	Included		
Hydraulic features					
Expansion vessel		L	12		
Water flow (min/rated/max)		m^3/h	1/1/2.50	1.10/1.20/2.70	1.20/1.38/2.70
Hydraulic connections for heating (male/male valves supplied)		inches	1"1/4 female		
Hydraulic connections for DHW		inches	3/4" male		
Min. system water capacity		L	40	50	50
Cooling properties					
Refrigerant		-	R134A		
Initial refrigerant load		kg	1.9 kg for every 15m		
Compressor		-	SCROLL		
Electrical features					
Power supply		-	230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE-PHASE 230V	Max. current	A	24	28	31
	Cable section (mm^2)/max. length (m) [2]	-	3 x 6/30		
3-PHASE 400V	Max. current	A	10		
	Cable section (mm^2)/max. length (m) [2]	-	5 x 2.5/16		

Premium outdoor units		Unit	RAS-4WH(V)NPE	RAS-5WH(V)NPE	RAS-6WH(V)NPE
Pressure level at 5m / Acoustic pressure in Heating mode[3]		dB(A)	36 / 58	36 / 59	37 / 60
Air flow rate		m^3/h	4800	5400	6000
Dimensions (HxLxD)		mm	1380 x 950 x 370		
Net weight		kg	103		
Operating ranges for Heating/DHW		°C	-25~+25 // -25~+35		
Cooling properties					
Diameter of refrigeration pipes (Liq - Gas)		inches	3/8" 5/8"		
Min./max. length/max. drop		m	5 - 75/20		
Initial prefilled refrigerant/Additional load		kg/g/m	3.3 for 15m/60	3.4 for 15m/60	
Refrigerant		-	R410A		
Compressor		-	SCROLL		
Electrical features					
Power supply		-	230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE-PHASE 230V	Max. current	A	30.5		
	Cable section (mm^2)/max. length (m) [2]	-	3 x 6/30		
3-PHASE 400V	Max. current	A	14		16
	Cable section (mm^2)/max. length (m) [2]	-	5 x 2.5/16		5 x 2.5/16
Indoor/Outdoor connection (protected)		mm^2	2 x 0.75		

Retail price per unit excluding taxes

Hydraulic modules (Remote control included) Single-phase	RWH-4.0VNFWE	RWH-5.0VNFWE	RWH-6.0VNFWE
Hydraulic modules (Remote control included) Three-phase	RWH-4.0NFWE	RWH-5.0NFWE	RWH-6.0NFWE
DHW tank (200/260l)	DHWS(200/260)S-2.7H2E	DHWS(200/260)S-2.7H2E	DHWS(200/260)S-2.7H2E
Premium outdoor units Single-phase units	RAS-4WHVNPE	RAS-5WHVNPE	RAS-6WHVNPE
Premium outdoor units Three-phase	RAS-4WHNPE	RAS-5WHNPE	RAS-6WHNPE
Price for the whole set Single-phase Hydraulic module + DHW tank (200/260l) + outdoor unit			
Price for the whole set Three-phase Hydraulic module + DHW tank (200/260l) + outdoor unit			

[1] Non-regulated seasonal energy efficiency, Keymark-certified. [2] Sections given for reference purposes only. Compliant with the applicable electrical standards. (V) = single. [3] pressure to 5 m in night mode / in acc. with EN12102-1.

Prepare your construction site Yutaki S80 Combi

1. How much space do I need for my hydraulic module?

Models 11 to 16 kW tank above

Models 11 to 16 kW tank to the side

Caution: if the tank is to the side, flexible tubing ATW-FWP-02 is required.

Dimensions depending on the unit (mm) - tank above

Unit	Dimensions "a"
RWH + DHWS200S-2.7H2E(-W)	1960
RWH + DHWS260S-2.7H2E(-W)	2289

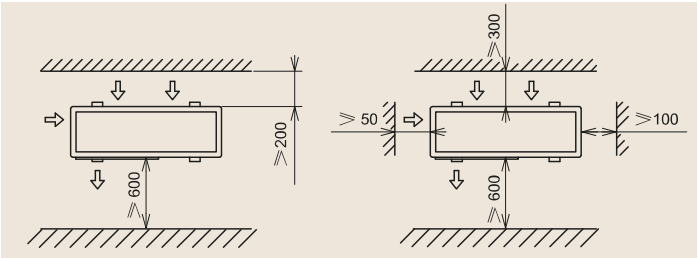
Dimensions depending on the unit (mm) - tank to the side

Unit	Dimensions "a"
RWH + DHWS200S-2.7H2E(-W)	1282
RWH + DHWS260S-2.7H2E(-W)	1591

2. How much space do I need for my outdoor unit?

Models 11 to 16 kW

HxLxD: 1380 x 950 x 370 mm



3. Which hydraulic and cooling connections are required?

Hydraulic features	Unit	11 to 16 KW
Hydraulic connections for heating (male/male valves supplied)	inches	1”1/4 female
Hydraulic connections for DHW	inches	3/4” male

Cooling properties		
Diameter of cooling pipes (Liq - Gas)	inches	3/8” 5/8”

4. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog. Data provided as a guide, please refer to the applicable electrical standard.

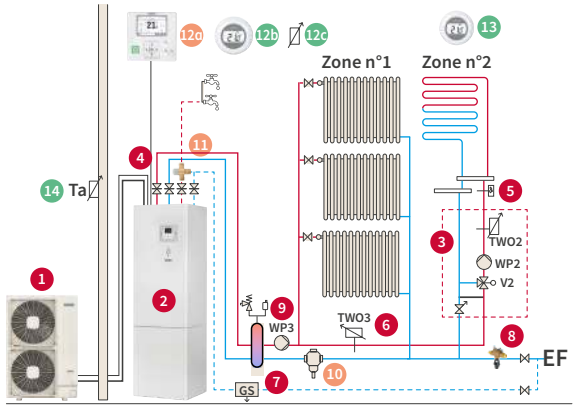
	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RAS-4WHVNPE / WHNPE	30 / 14	32 / 16 - D	3G6 / 5G2,5	30 / 16	
RAS-5WHVNPE / WHNPE	30 / 14	32 / 16 - D	3G6 / 5G2,5	30 / 16	
RAS-6WHVNPE / WHNPE	30 / 16	32 / 20 - D	3G6/5G4	30 / 16	

	Power supply				Bus
Hydraulic modules	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RWH-4.0VNFWE / NFWE + DWHS(200/260)S-2.7H2E	24 / 10	32 / 16 - C	3G6 / 5G2,5	28 / 20	
RWH-5.0VNFWE / NFWE + DWHS(200/260)S-2.7H2E	28 / 10	32 / 16 - C	3G6 / 5G2,5	28 / 20	
RWH-6.0VNFWE / NFWE + DWHS(200/260)S-2.7H2E	31 / 10	32 / 16 - C	3G6 / 5G2,5	28 / 20	

Hydraulic setups
Yutaki S 80 Combi

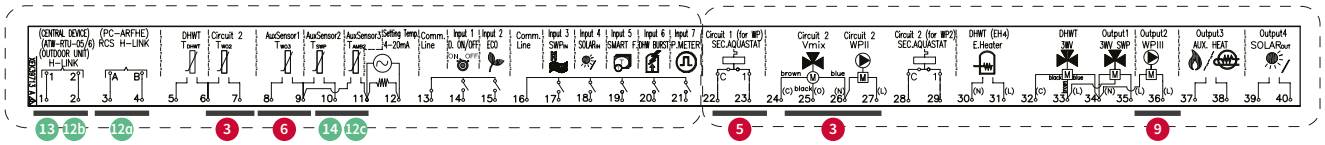
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2 control zones:
Disconnection of radiator and mixed flooring (standard mode)



1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	**Mandatory**	Hitachi supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve heating	**Mandatory**	Hitachi supplied (with module)
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Universal temperature sensor	**Mandatory**	Hitachi option (ATW-WTS-02Y)
7	DNW safety unit	**Mandatory**	Not supplied
8	Disconnector	**Mandatory**	Not supplied
9	Secondary circulator	**Mandatory**	Not supplied
10	Dirt separator	**Recommended**	Not supplied
11	Thermostatic mixer	**Recommended**	Not supplied
12a	Wired compensation thermostat zone 1: remote PC-ARFH1E	**Recommended**	Hitachi supplied (with module)
12b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
12c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
13	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1
14	Outdoor sensor	**Option**	Hitachi option (ATW-2OS-02)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation
- **Diagrams for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**





Quick selection table

		NEW airH2O 800 H	NEW airH2O 800 H	NEW airH2O 800 M	Yutaki M
					
Services	Heating	✓	✓	✓	✓
	Cooling	✓	✓	✓	✓
	DHW	-	✓	-	
Capacities (kW) / Refrigerant	R32	-			4 / 8 / 11 / 12 / 13 / 16
	R290	4 / 6 / 8 / 10 / 12 / 14	4 / 6 / 8 / 10 / 12 / 14	4 / 6 / 8 / 10 / 12 / 14	-
Type		Hydrosplit	Hydrosplit	Monobloc	Monobloc
Connections		Hydraulics	Hydraulics	No connection	No connection
Max water cycle		75°C	75°C	75°C	60° C
Power maintenance without electrical backup		Yes	Yes	Yes	Yes, from model 11kW
Applications		Renovation	Renovation	New Renovation	New Renovation
Number of manageable circuits		Up to 2	Up to 2 (2nd zone kit integrable)	Up to 2	Up to 2
Disconnection and integrated secondary pump		Yes	Yes	No	No
Compatible transmitters	Ductedto water	✓	✓	✓	✓
	Radiators	✓ Medium and low temperatures	✓ Medium and low temperatures	✓ Medium and low temperatures	✓ Medium and low temperatures
	Underfloor heating	✓	✓	✓	✓
	Convector fans	✓	✓	✓	✓

Connectivity standard on the airH2O 800 series
(optional on other ranges)

CSNET Home

CSNET Home application
Stay connected and control your air/water heat pump remotely via an app created just for you.

+

CSNET Home PRO

CSNET Home PRO application
The remote maintenance solution.

Find the right heat pump for you with HiTool kit for Home

1. Enter your project details into the software and **we will find the most suitable model for you,**
2. View the projected **energy performances** and **compare the potential savings** compared with other heating solutions,
3. **Edit a full report** with all the details of the project and the device selected.

Website:
hitachi-hitoolkit.com/heating/login



air H_2O 800, the heat pump that makes everyday life easier

A heat pump that rises to the challenge

Practicality

No intervention on the unit during installation or commissioning, thanks to its **Plug&Play concept.**

Elegance

A new design linking **modernity and discretion** with an entirely black grille.

High water temperature

With heating production **up to 75°C,** replace an oil or gas boiler without modifying the transmitters.

Discretion from just 27 dB(A)*

Enhanced sound insulation / Optimized fan and motor design / Anti-vibration compressor plate. For some of the finest **acoustic comfort** on the market.

Performance

Compressor with **CONSTANT POWER & WATER,** technologies are capable of delivering the same power and a higher water flow rate even in extreme temperatures.



*Example for a 10 kW unit, sound pressure at 5 m partial load.

Exclusive technologies for maximum security



Degasser & safety check valve (supplied)

Ensures that R290 is not present in the heating circuit.



Water pressure sensor

Detects any variation in potential pressure in the heat exchanger.



R290 detector connected

Monitors the circuit and reports any anomalies via an alert and notification (CSNet Home app).



Electrical connectors

Facilitates electrical connection without requiring the outdoor unit to be opened.



Electrical enclosure

Guarantees complete absence of leakage.

A 3-in-1 Plug-&-Play solution: One outdoor unit for three solutions

Monobloc concept



air H_2O 800 M

Control Box
(mandatory - optional)

Simplified installation and startup, without modifying the outdoor unit

With the help of the **Control Box** (mandatory), complete all wiring beforehand, then simply connect the power supply and communication to the unit without opening it.

The **NFC setting process** also allows commissioning to be carried out via smartphone only.

Hydrosplit concept



air H_2O 800 H Combi



air H_2O 800 H

100% hydraulic

100% hydraulic split solution

Connection with outdoor unit using hydraulic connections to ensure **ease of installation and maximum safety.**

Bottle from disconnection and integrated secondary pump come as standard

Disconnection and buffer tank functions to ensure optimal operation of the heat pump and minimize the minimum volume of water required for the installation.
Save space and time with accessories already integrated into the module.

220L DHW tank	Expansion vessel	Added electrics	2-zone kit
Stainless steel tank on H Combi models and ACI anode (optional)	Integrated as standard, to maintain constant pressure in the system	Integrated as standard	Fits into the module (H COMBI only / optional)

All functions as standard

With its configurable input/output terminal: 2 zones, boiler reading, remote DHW management, solar panels, convector fans...

The air H_2O 800 range will meet all your needs, without additional cards.

Connect easily without opening up the unit



Power and communication connectors provided

A controller designed to assist you



EUROPEAN PRODUCT DESIGN AWARD **Award-winning design**

2-in-1 view of controller and thermostat
PC-ARFH3E(B)

A modern controller:
With its curved shape and color LCD screen.

Simple and intuitive navigation:
With exclusive features to meet the needs of professionals and individuals.

Remote ambient controller:
To act as a thermostat.





The ⊕ Hitachi: NFC settings





Configure quickly and easily:
With the help of NFC technology and the CSNet Home smartphone app.

Accelerate your commissioning process:
Prepare your configurations in advance and load them, or replicate configurations across identical installations.

Optional functions:
Simply activate your optional features without opening the unit or even entering the controller menus.

Advantages for maintaining control anywhere, anytime

CSNET Home/Home PRO connectivity:
Connected Hitachi solutions to **stay in control** wherever you are!

Included as standard*

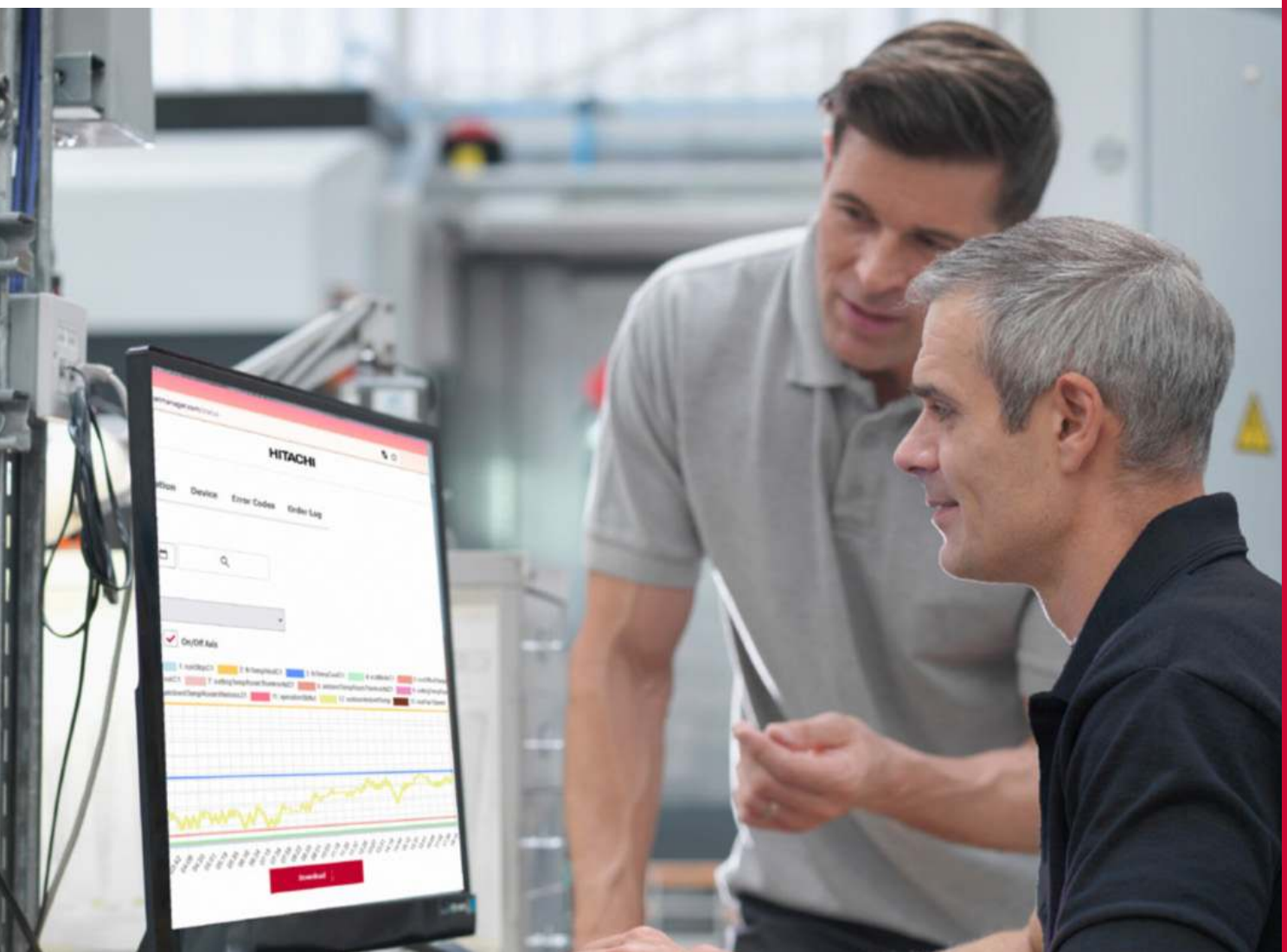
CSNET Home
New smartphone and web app for end users



CSNET Home Pro
New web application for installers



**Only on modules with a PC-ARFH3E(B) controller*



air H_2O 800 Boosted with R290, an eco-efficient refrigerant.

Why use R290 in this new generation of HVAC unit?

GWP <3

An eco-friendly natural refrigerant

*GWP (Global Warming Potential)

75°C CONSTANT WATER

A high-performance refrigerant, ideal for renovation projects

F-GAS

A sustainable refrigerant

Refrigerant not subject to F-GAS.

What are the special features of this refrigerant?

Under the conditions described below, R290 may burn:

- A ESCAPE OF REFRIGERANT
- B COMBUSTION OXYGEN
- C HEAT SOURCE

→ **Risk of fire**



4 essential notions:

- **To avoid leaks** particularly thanks to R290 training and certifications.
- **Prevent refrigerant buildup** by ventilating the workspace.
- **Keep away from all sources of ignition** during storage, transport, installation, and maintenance, particularly when using appropriate tools.
- **Follow the installation and operating instructions.**, Always comply with the latest regulations and rules in force.

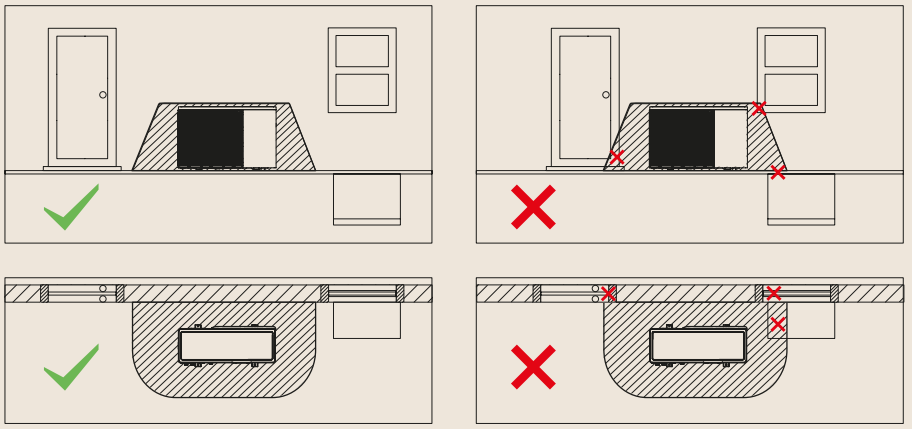
Some basic installation rules

Required skills

Under Regulation 2024/2215, professionals must have **A1 or A2 certifications** to install, commission , maintain, service and decommission the R290 heat pumps:

- A1: Without load limit
- A2: Heat pump split with a charge of less than 3 kg, heat pump monobloc (hermetically sealed system) with a load of less than 6 kg.

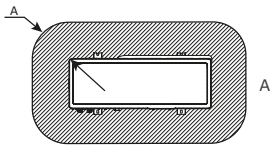
Current certifications (attestations of capacity I and II) remain valid, but professionals must complete a **refresher course** (R290 add-on module) to meet the requirements of A1 and A2 certificates.



Outdoor units must not be installed in enclosed areas unless the minimum requirements relating to refrigerant load are met. (extremely restrictive)**.**

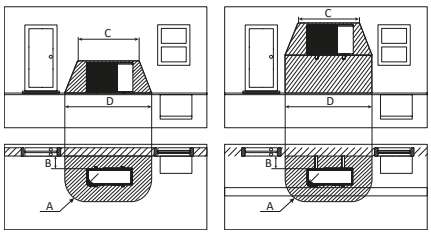
The safety zone must not cover the openings..

Open field installation



A ≥ 1000 mm

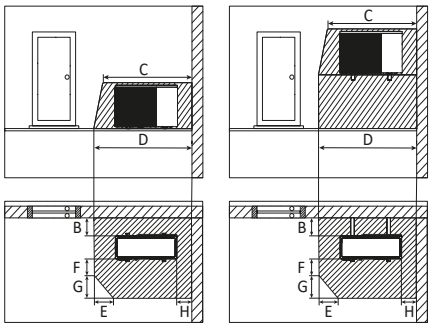
Installation against a wall



A ≥ 1000 mm
B ≥ 300 mm

C ≥ 2000 mm
D ≥ 3000 mm

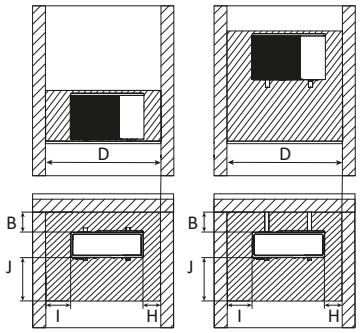
Corner installation (2 walls)



B ≥ 300 mm
C ≥ 2000 mm
D ≥ 2500 mm
E ≥ 1000 mm

F ≥ 500 mm
G ≥ 1800 mm
H ≥ 500 mm

Hallway installation (3 walls)



B ≥ 300 mm I
D ≥ 2500 mm
H ≥ 500 mm

≥ 500 mm
J ≥ 2300 mm

With Hitachi, 100% safety:

✓ A air H_2O 800 monobloc or hydrosplit solution, **no refrigerant in the house**.
✓ Quality hardware specifically designed for R290 with **exclusive embedded security technologies**.
✓ A **100% Plug-&-Play** concept, without the need to open the outdoor unit.

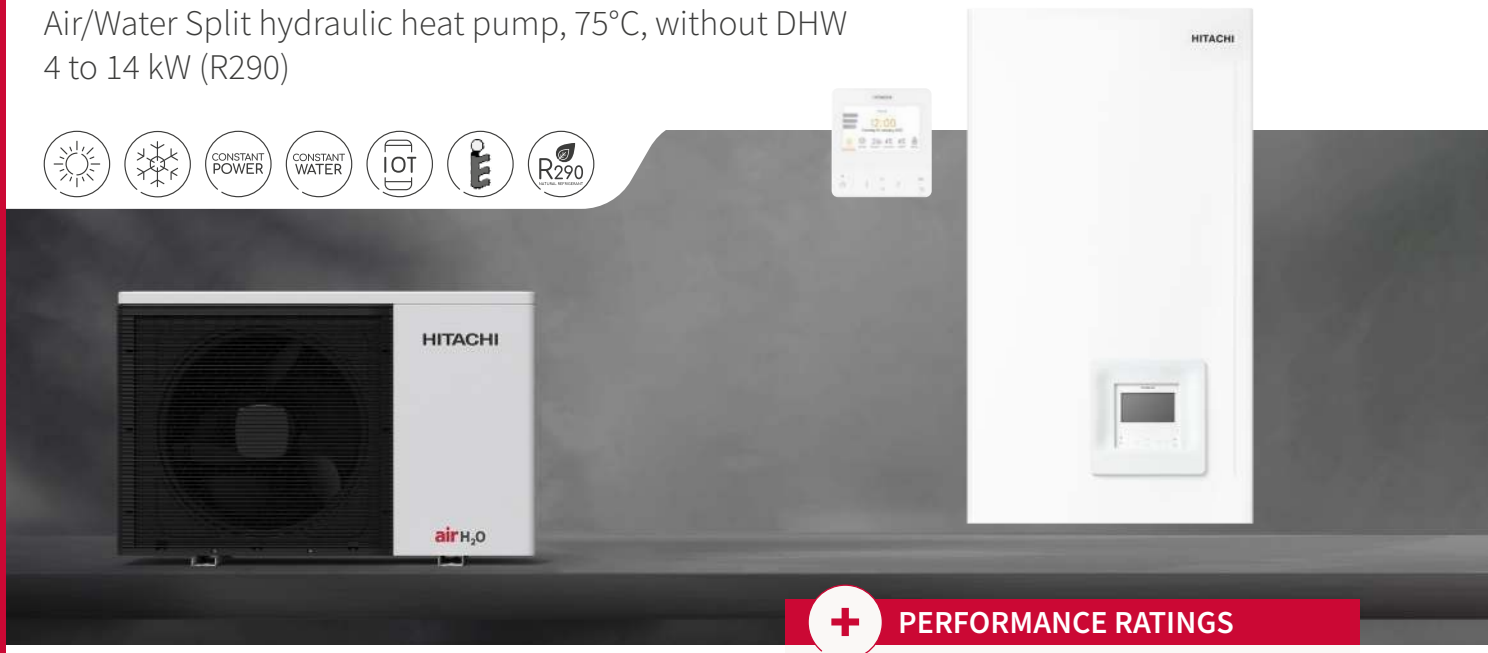
air H_2O 800



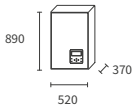
Connected leak detector, supplied as standard.

air H$_2$O 800 H

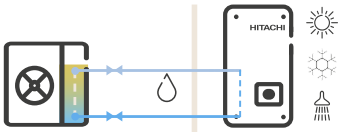
Air/Water Split hydraulic heat pump, 75°C, without DHW
4 to 14 kW (R290)



Indoor units



HWM-W2E

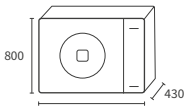


R290 outdoor unit
R290 / H2O heat exchanger

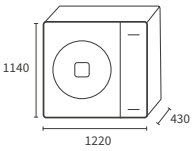
Indoor module
With hydraulic components

Outdoor units





RASM-2VTW2E
RASM-3VTW2E
RASM-3.5VTW2E



RASM-4(V)TW2E
RASM-5(V)TW2E
RASM-6(V)TW2E

PERFORMANCE RATINGS

- The AirH2O 800 range offers exceptional performance for **new or renovation** projects.
- Its **Constant Power** technology enables it to maintain its power rating throughout the year in 100% thermodynamic mode.
- Its **Constant Water** technology enables it to reach and maintain a constant water outlet temperature from **75°C.**

PRACTICAL FOR PROFESSIONALS

- **Fully-inclusive management:** All standard features (2-zone control, boiler backup, remote DHW management, SmartGrid-ready, solar thermal, fan coil units).
- **Integrated disconnection:** 15-liter bottle and secondary pump included, saving space and up to 3 hours of labor.
- **100% plug and play:** No refrigerant handling and no opening of the outdoor unit for installation or commissioning.
- **CSNET Home PRO includes the following as standard:** View the status of your devices remotely and adjust their settings in real time.
- **NFC function:** Create / copy / paste / duplicate a configuration directly from your smartphone.

EASY TO CONTROL

- **Controller:** A modern, stylish LCD screen combined with ease of use for both home users and professionals.
- **CSNet Home included as standard**: Control your comfort from a distance at no extra charge.

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH3E**
Included



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



Front cover* AirH2O 800 H & H COMBI
Use if moving the remote control in the environment.
Model: **ATW-FCP-03**



Black wired remote control
Model: **PC-ARFH3EB**
Option

Hydraulic accessories



2-zone kit with 3-way valve and wall-mounted circulator
Model: **ATW-2TK-07**



3-way directional inversion valve
Model: **ATW-3WV-01**



Universal sensor
Model: **ATW-WTS-02Y**

Options



Domestic Hot Water Storage Tank
Stainless steel tank

200 L:
(H x D) 1270 x 595 mm
Model: **DHWT-200S-3.0H2E**

300 L:
(H x D) 1750 x 595 mm
Model: **DHWT-300S-3.0H2E**



Reversible kit
Equipment required for cooling mode operation.
Model: **ATW-CKS-04**
(AirH2O 800 H)

airH2O 800 H

R290 REFRIGERANT

Model	Unit	4 kW	6 kW	8 kW	10 kW	12 kW	14 kW
Performance, heating							
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	2/4/6	2.4/6/8	2.4/8/10	4.5/10/12	4.5/12/14	4.5/14/16
Capacity/max. heating (-7°C outside / 35°C water)	kW	4 / 4.5	6 / 6	8 / 8	10 / 10	12 / 12	13 / 13.5
Capacity/max. heating (-7°C outside / 55°C water)	kW	4 / 4.5	6 / 6	7.5 / 7.5	10 / 10	12 / 12	13 / 13
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	4.7	4.84	4.62	4.53	4.21	4.2
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.5 / 3.25	4.67 / 3.37	4.67 / 3.44	4.53 / 3.65	4.53 / 3.55	4.54 / 3.35
Seasonal heating energy efficiency ηs (35°C) Single/Tri [1]	%	177	184		178		179
Seasonal heating energy efficiency ηs (55°C) Single/Tri [1]	%	127	132	135	143	139	131
Energy rating 35°C/55°C	-	A+++/A++					
Temperature range of water outlet (heating mode)	°C	20/75°C					
Max. temperature at the water outlet in thermodynamic-only mode	°C	75°C up to -5°C outside					
Performance in Cooling mode (optional)							
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	4 / 4.5	6 / 6.5	7 / 7.5	10 / 10	11 / 11	12 / 12
Absorbed capacity cooling (35°C ext/7°C water)	kW	-					
EER (reversible model)	-	2.78	2.91	2.84	3.13	2.94	2.66

Hydraulic modules		HWM-W2E
Auxiliary electric resistance heating as standard / Three-stage	kW	6 (2 + 2 + 2)
Net weight	kg	45
Dimensions (HxLxD)	mm	890 x 520 x 370
Sound pressure level	dB(A)	30
Remote control	-	included PC-ARFH3E
Hydraulic features		
Expansion vessel	L	6
Water flow rate (min/nom/max)	m^3/h	0.6/0.7/2 | 0.6/1/2 | 0.6/1.4/2 | 0.6/1.7/3 | 0.6/2.1/3 | 0.6/2.4/3
Hydraulic connections for heating	inches	1"
Bottle volume from disconnection	L	15
Min. system water capacity	L	13 | 45
Electrical features		
Power supply	-	230V/1Ph/50 Hz | 230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz
SINGLE-PHASE 230V — Intensity max with auxiliary resistance	A	26.7
SINGLE-PHASE 230V — Cable section (mm^2) / max. length (m) [2]	-	3 x 6/30
3-PHASE 400V compressor — Intensity max with auxiliary resistance	A	9.3
3-PHASE 400V compressor — Cable section (mm^2) / max. length (m) [2]	-	5 x 2.5/20

Outdoor units (for Hydrosplit or Monobloc versions)		RASM-2VTW2E	RASM-3VTW2E	RASM-3.5VTW2E	RASM-4(V)TW2E	RASM-5(V)TW2E	RASM-6(V)TW2E
Pressure level at 5m / Sound power in hot mode [3]	dB(A)	29 / 55	29 / 56	29 / 57	27 / 53	28 / 53	
Dimensions (HxLxD)	mm	800 x 1220 x 430			1140 x 1220 x 430		
Net weight	kg	90			130		
Operating ranges in Cooling/Heating/DHW mode	°C	'+10~+46 // -25~+25 // -25~+43					
Hydraulic features							
Diameter of the hydraulic connections (female / female)	inches	1"					
Refrigerant / Refrigerant charge	- / kg	R290 / 0.9			R290 / 1.2		
Compressor	-	ROTARY DC INVERTER					
Electrical features							
Power supply	-	230V/1Ph/50 Hz			230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE-PHASE 230V — Max. current	A	14.2	17.7	20.7	29.2		
SINGLE-PHASE 230V — Cable section (mm^2) / max. length (m) [2]	-	3 x 2.5/28	3 x 4/24	3 x 6/21	3 x 6/30		
3-PHASE 400V — Max. current	A	-			16.7		
3-PHASE 400V — Cable section (mm^2) / max. length (m) [2]	-	-			5 x 4/16		
Indoor/Outdoor connection (protected)	mm^2	2 x 0.75					

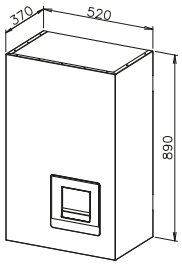
Retail price per unit excluding taxes

Hydraulic modules (Remote control included)	HWM-W2E						
Premium outdoor units Single-phase units	RASM-2VTW2E	RASM-3VTW2E	RASM-3.5VTW2E	RASM-4VTW2E	RASM-5VTW2E	RASM-6VTW2E	
Premium outdoor units Three-phase	-			RASM-4TW2E	RASM-5TW2E	RASM-6TW2E	
Price for the whole set Single-phase Hydraulic module + outdoor unit							
Price for the whole set Three-phase Hydraulic module + outdoor unit	-						
Reversible kit (Optional)	ATW-CKS-04						

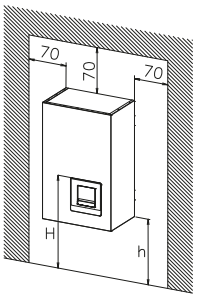
(V) = Single
[1] Seasonal energy efficiency without regulation, Keymark certification, in accordance with Regulation (EU) No. 813/2013 of the Commission of August 2, 2013, and standard EN14825.
[2] Sections given for reference purposes only. Compliant with the applicable electrical standards.
[3] Pressure to 5m in night mode - In accordance with EN12102-1 / ErP

Prepare your construction site airH2O 800 H

1. How much space do I need for my hydraulic module?



Models 4 to 14 kW



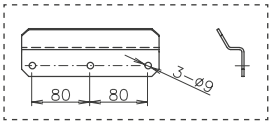
Models 4 to 14 kW

H = 1250 mm recommended for easy access to the controller

h = 350 mm min. for installing shut-off valves and connections

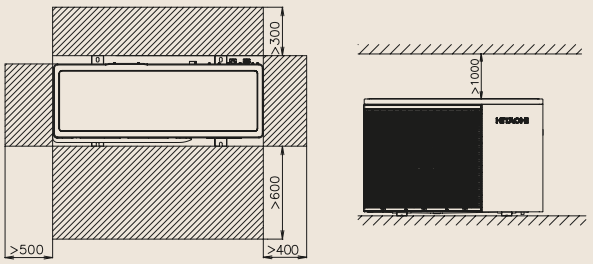
Units in mm

Wall mounting



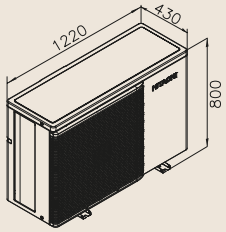
2. How much space do I need for my outdoor unit?

Models 4 to 14 kW

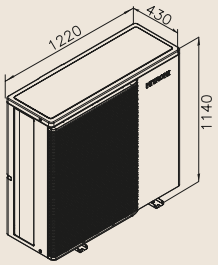


Units in mm

Models 4 to 8 kW



Models 10 to 14 kW



Units in mm

Regarding the installation rules for R290 units, please consult the documentation and comply with local regulations in force.

3. Which hydraulic connections are needed?

Hydraulic features	Unit	11 to 16 KW
Diameter of the hydraulic connections (valves supplied male/male) for same unit and module	inches	G 1" (female)

4. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog. Data provided as a guide, please refer to the applicable electrical standard.

	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm²
	Max A	A/curve	mm²	m	
RASM-2VTW2E	14.2/-	16 / - / D / -	3G2.5 / -	30/-	
RASM-3VTW2E	17.7/-	20 / - / D / -	3G4 / -		
RASM-3.5VTW2E	20.7/-	25 / - / D / -	3G6 / -		
RASM-4VTW2E/TW2E	29.2 / 16.7	32 / 20 / D	3G6/5G4	30 / 16	
RASM-5VTW2E/TW2E					
RASM-6VTW2E/TW2E					

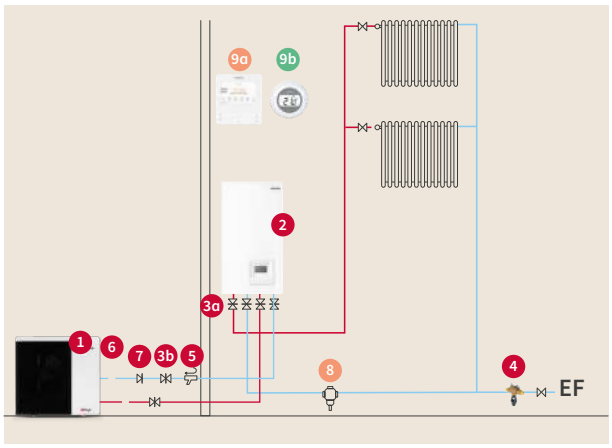
Hydraulic modules	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V
	Max A	A/curve	mm²	m
HWM-W2E	26.7 / 9.3	32 / 16 / C	3G6 / 5G2,5	28 / 20

Hydraulic setups airH2O 800 H

Provide high-temperature antifreeze valves and filter screens.

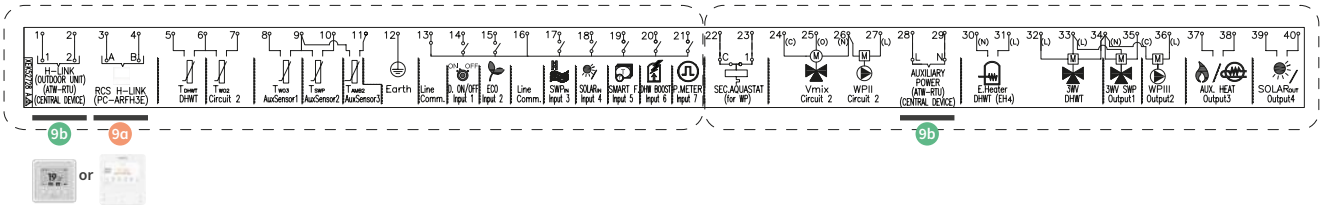
Your diagrams in just a few clicks
at yutaki-applications.com

1 control zone - radiators disconnected (included)

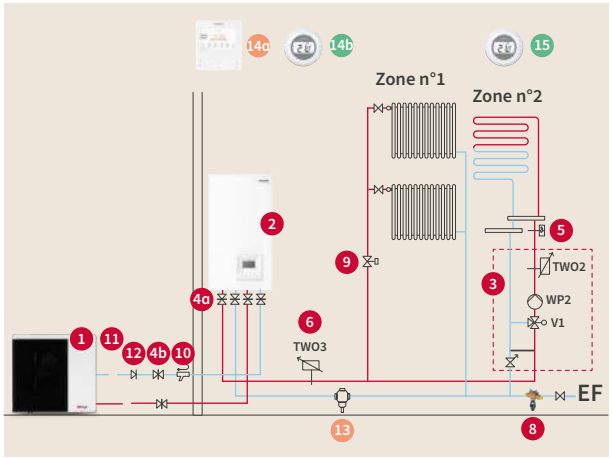


1	Outdoor unit	**Mandatory**	Hitachi supplied
2	hydraulic module: expansion tank and decoupling bottle included	**Mandatory**	Hitachi supplied
3a	Isolating valve	**Mandatory**	Hitachi supplied (with module)
3b	Isolating valve	**Mandatory**	Not supplied
4	Disconnector	**Mandatory**	Not supplied
5	Screen filter (0.7 mm mesh diameter) for heat exchanger	**Mandatory**	Not supplied
6	Anti-freeze valves	**Mandatory**	Not supplied
7	R290 safety valve	**Mandatory**	Hitachi supplied
8	Dirt separator	**Recommended (Required if floor)**	Not supplied
9a	Wired compensation thermostat zone 1: remote PC-ARFH3E	**Recommended**	Hitachi supplied (with module)
9b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Also ensure that the included secondary pump is sufficient for the network.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**

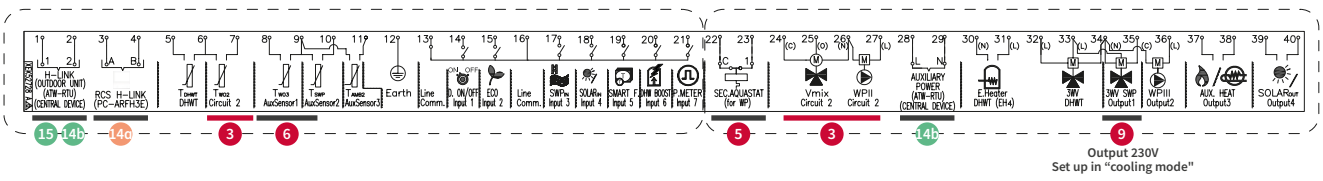


2 control zones—disconnected floor and radiators (included) (standard mode - reversible)



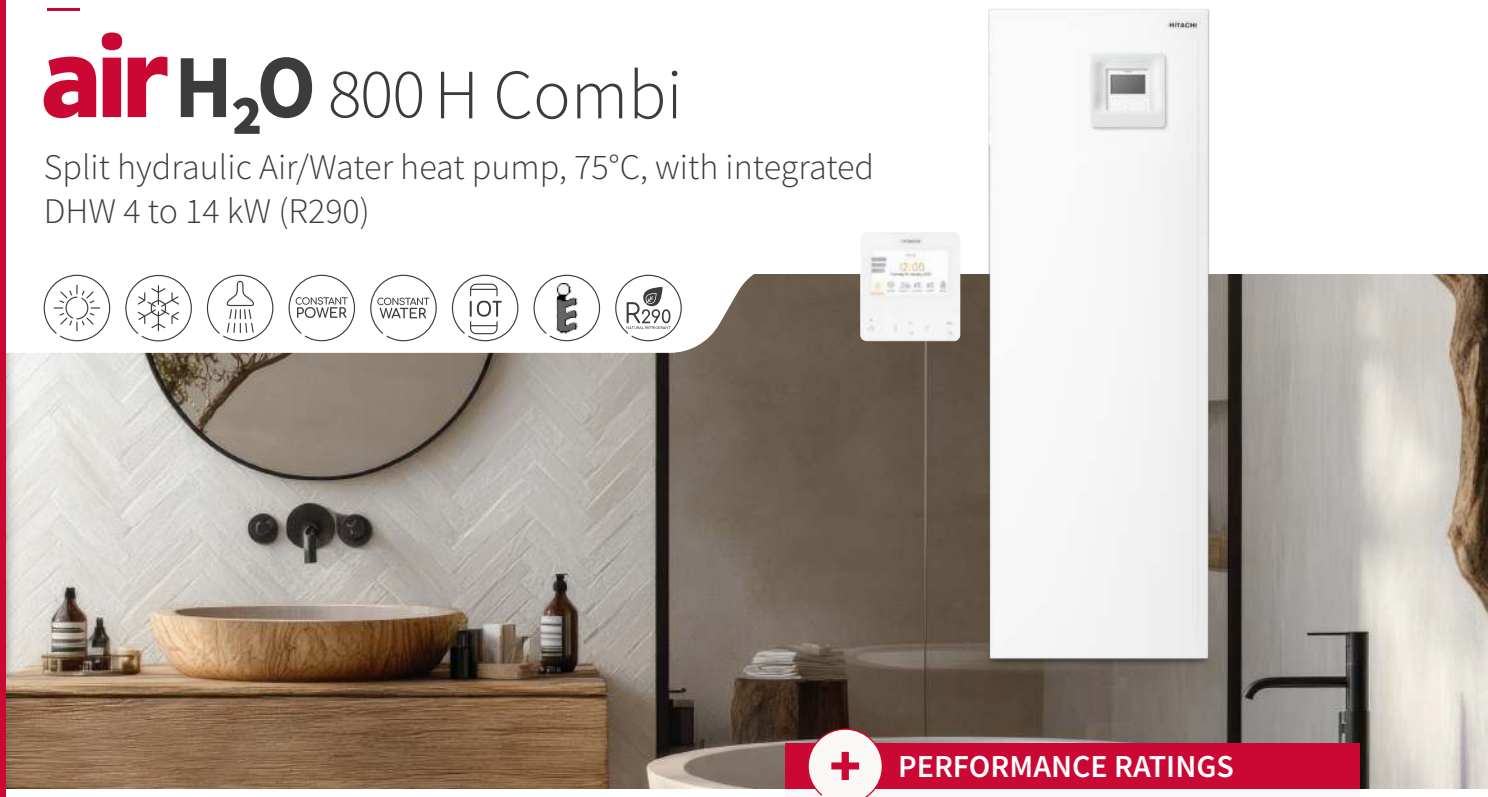
1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (6L expansion tank supplied)	**Mandatory**	Hitachi supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4a	Isolating valve	**Mandatory**	Hitachi supplied (with module)
4b	Isolating valve	**Mandatory**	Not supplied
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Universal temperature sensor	**Mandatory**	Hitachi option (ATW-WTS-02Y)
8	Disconnector	**Mandatory**	Not supplied
9	Motorized valve	**Mandatory (if refresh)**	Not supplied
10	Screen filter (0.7 mm mesh) for heat exchanger	**Mandatory**	Not supplied
11	Anti-freeze valves	**Mandatory**	Not supplied
12	R290 safety valve	**Mandatory**	Hitachi supplied
13	Dirt separator	**Recommended**	Not supplied
14a	Wired compensation thermostat zone 1: remote PC-ARFH3E	**Recommended**	Hitachi supplied (with module)
14b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
15	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Also ensure that the included secondary pump is sufficient for the network.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



air H$_2$O 800 H Combi

Split hydraulic Air/Water heat pump, 75°C, with integrated DHW 4 to 14 kW (R290)



PERFORMANCE RATINGS

- The AirH2O 800 H Combi range offers exceptional performance for **new and renovation** projects and combines DHW with its **integrated 220L stainless steel tank.**
- Its **Constant Power** technology enables it to maintain its power rating throughout the year in 100% thermodynamic mode.
- Its **Constant Water** technology enables it to reach and maintain a constant water outlet temperature from **75°C.**

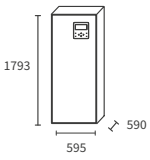
PRACTICAL FOR PROFESSIONALS

- **Fully-inclusive management:** All standard options (2 zones, boiler backup, smart grid ready, solar thermal, fan coil units).
- **Integrated disconnection:** 15-liter bottle and secondary pump included, saving space and up to 3 hours of labor.
- **100% plug and play:** No refrigerant handling and no opening of the outdoor unit for installation or commissioning.
- **CSNET Home PRO includes the following as standard:** View the status of your devices remotely and adjust their settings in real time.
- **NFC function:** Create / copy / paste / duplicate a configuration directly from your smartphone.

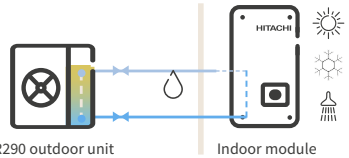
EASY TO CONTROL

- **Controller:** A modern, stylish LCD screen combined with ease of use for both home users and professionals.
- **CSNet Home included as standard**: Control your comfort from a distance at no extra charge.

Indoor units



HWD-W2E-220S

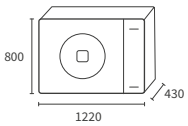


R290 outdoor unit
R290 / H2O heat exchanger

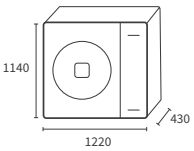
Indoor module
With hydraulic components

Outdoor units





RASM-2VTW2E
RASM-3VTW2E
RASM-3.5VTW2E



RASM-4(V)TW2E
RASM-5(V)TW2E
RASM-6(V)TW2E

Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH3E**
Included



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



Front cover* AirH2O 800 H & H COMBI
Use if moving the remote control in the environment.
Model: **ATW-FCP-03**



Black wired remote control
Model: **PC-ARFH3EB**
Option

Hydraulic accessories



2-zone integrated kit
Essential accessory when two distinct temperature levels must be maintained.
Model: **ATW-2TK-08**



Universal sensor DHW, hydraulic decoupling, Circuit 2, swimming pool, solar (required if the tank is not a Hitachi DHWT).
Model: **ATW-WTS-02Y**

Options



Reversible kit AirH2O 800 H COMBI
equipment required for cooling mode operation.
Model: **ATW-CKSC-02**

airH2O 800 H COMBI

R290 REFRIGERANT

Model	Unit	4 kW	6 kW	8 kW	10 kW	12 kW	14 kW
Performance, heating							
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	2/4/6	2.4/6/8	2.4/8/10	4.5/10/12	4.5/12/14	4.5/14/16
Capacity/max. heating (-7°C outside / 35°C water)	kW	4 / 4.5	6 / 6	8 / 8	10 / 10	12 / 12	13 / 13.5
Capacity/max. heating (-7°C outside / 55°C water)	kW	4 / 4.5	6 / 6	7.5 / 7.5	10 / 10	12 / 12	13 / 13
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	4.7	4.84	4.62	4.53	4.21	4.2
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.5 / 3.25	4.67 / 3.37	4.67 / 3.44	4.53 / 3.65	4.53 / 3.55	4.54 / 3.35
Seasonal heating energy efficiency ηs (35°C) Single/Tri [1]	%	177	184			178	179
Seasonal heating energy efficiency ηs (55°C) Single/Tri [1]	%	127	132	135	143	139	131
Energy rating 35°C/55°C	-	A+++/A++					
Temperature range of water outlet (heating mode)	°C	20/75°C					
Max. temperature at the water outlet in thermodynamic-only mode	°C	75°C up to -5°C outside					
DHW performance							
DHW heat pump (220L) in accordance with EN16147	-		3.19			3	
Seasonal energy efficiency nwh 220L L cycle	%		130			123	
DHW energy rating	-	A+					
Temperature range of water outlet (DHW mode)	°C	30/70°C					
Vmax at 40°c acc to EN16147	L	288					
Performance in Cooling mode (optional)							
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	4 / 4.5	6 / 6.5	7 / 7.5	10 / 10	11 / 11	12 / 12
Absorbed capacity cooling (35°C ext/7°C water)	kW	-					
EER (reversible model)	-	2.78	2.91	2.84	3.13	2.94	2.66

Hydraulic modules			HWD-W2E-220S
Auxiliary electric resistance heating as standard / Three-stage		kW	6 (2 + 2 + 2)
DHW auxiliary electric resistance as standard		kW	2.7
Net weight (220L)		kg	113
Dimensions (HxLxD)		mm	1793 x 595 x 590
Sound pressure level		dB(A)	30
Volume of DHW tank/Material of DHW tank		L	220 L / Stainless steel
Remote control		-	included PC-ARFH3E
Hydraulic features			
Expansion vessel		L	6
Water flow rate (min/nom/max)		m^3/h	0.6/0.7/2 | 0.6/1/2 | 0.6/1.4/2 | 0.6/1.7/3 | 0.6/2.1/3 | 0.6/2.4/3
Hydraulic connections for heating		inches	1"
Hydraulic connections for DHW		inches	3/4"
Bottle volume from disconnection		L	15
Min. system water capacity		L	13 | 45
Electrical features			
Power supply		-	230V/1Ph/50 Hz | 230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz
SINGLE-PHASE 230V	Intensity max with auxiliary resistance + resistance tank H COMBI	A	38.7
	Cable section (mm^2) / max. length (m) [2]	-	3 x 10/30
3-PHASE 400V compressor	Intensity max with auxiliary resistance + resistance tank H COMBI	A	18
	Cable section (mm^2) / max. length (m) [2]	-	5 x4 / 20

Outdoor units (for Hydrosplit or Monobloc versions)			RASM-2VTW2E	RASM-3VTW2E	RASM-3.5VTW2E	RASM-4(V)TW2E	RASM-5(V)TW2E	RASM-6(V)TW2E
Pressure level at 5m / Sound power in hot mode [3]		dB(A)	29 / 55	29 / 56	29 / 57	27 / 53	28 / 53	
Dimensions (HxLxD)		mm		800 x 1220 x 430			1140 x 1220 x 430	
Net weight		kg	113					
Operating ranges in Cooling/Heating/DHW mode		°C	'+10~+46 // -25~+25 // -25~+43					
Hydraulic features								
Diameter of the hydraulic connections (female / female)		inches	1"					
Refrigerant / Refrigerant charge		- / kg		R290 / 0.9			R290 / 1.2	
Compressor		-	ROTARY DC INVERTER					
Electrical features								
Power supply		-		230V/1Ph/50 Hz			230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz	
SINGLE-PHASE 230V	Max. current	A	14.2	17.7	20.7		29.2	
	Cable section (mm^2) / max. length (m) [2]	-	3 x 2.5/28	3 x 4/24	3 x 6/21		3 x 6/30	
3-PHASE 400V	Max. current	A		-			16.7	
	Cable section (mm^2) / max. length (m) [2]	-		-			5 x 4/16	
Indoor/Outdoor connection (protected)		mm^2	2 x 0.75					

Retail price per unit excluding taxes

Hydraulic modules (Remote control included)	HWD-W2E-220S						
Premium outdoor units Single-phase units	RASM-2VTW2E	RASM-3VTW2E	RASM-3.5VTW2E	RASM-4VTW2E	RASM-5VTW2E	RASM-6VTW2E	
Premium outdoor units Three-phase	-			RASM-4TW2E	RASM-5TW2E	RASM-6TW2E	
Price for the whole set Single-phase Hydraulic module + outdoor unit							
Price for the whole set Three-phase Hydraulic module + outdoor unit	-						
Reversible kit (Optional)	ATW-CKSC-02						

(V) = Single

[1] Seasonal energy efficiency without regulation, Keymark certification, in accordance with Regulation (EU) No. 813/2013 of the Commission of August 2, 2013, and standard EN14825.

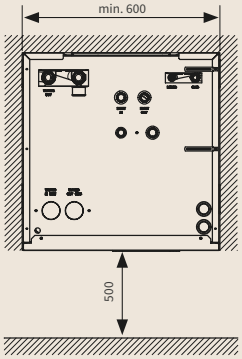
[2] Sections given for reference purposes only. Compliant with the applicable electrical standards.

[3] Pressure to 5m in night mode - In accordance with EN12102-1 / ErP

Prepare your construction site airH2O 800 H Combi

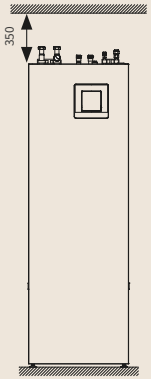
1. How much space do I need for my hydraulic module?

Models 4 to 14 kW



View from above
Units in mm

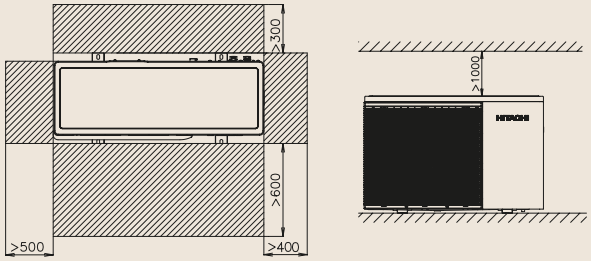
Models 4 to 14 kW



View from front
Units in mm

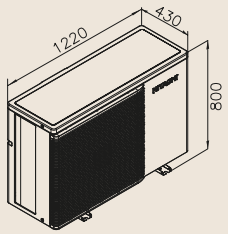
2. How much space do I need for my outdoor unit?

Models 4 to 14 kW

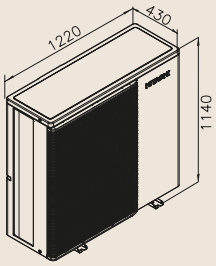


Units in mm

Models 4 to 8 kW



Models 10 to 14 kW

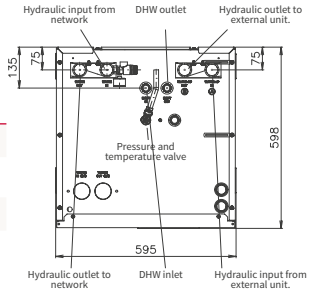


Units in mm

Regarding the installation rules for R290 units, please consult the documentation and comply with local regulations in force.

3. Which hydraulic connections are needed?

Hydraulic features	Unit	4 to 14 kW
Diameters of hydraulic connections on the module side (valves supplied male/male)	inches	G 1" (female)
Diameters of hydraulic connections on the external unit side (male/male valves supplied)	inches	1" (female)
Heating diameters (male/male valves supplied)	inches	G 1" (female)
DHW diameters	inches	G 3/4" (male)



4. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element and do not wish to use a backup heater, please refer to the technical catalog. Data provided as a guide, please refer to the applicable electrical standard.

	Power supply				Bus
Outdoor units	**Intensity 230 / 400 V**	**Protection 230 / 400 V**	**Cable section 230 / 400 V**	**Max. cable length 230 / 400 V**	Liycy shielded cable 2 x 0.75 mm²
	Max A	**A/curve**	**mm²**	**m**	
RASM-2VTW2E	14.2/-	16 / - / D / -	3G2.5 / -	30/-	
RASM-3VTW2E	17.7/-	20 / - / D / -	3G4 / -		
RASM-3.5VTW2E	20.7/-	25 / - / D / -	3G6 / -		
RASM-4VTW2E/TW2E	29.2 / 16.7	32 / 20 / D	3G6/5G4	30 / 16	
RASM-5VTW2E/TW2E					
RASM-6VTW2E/TW2E					

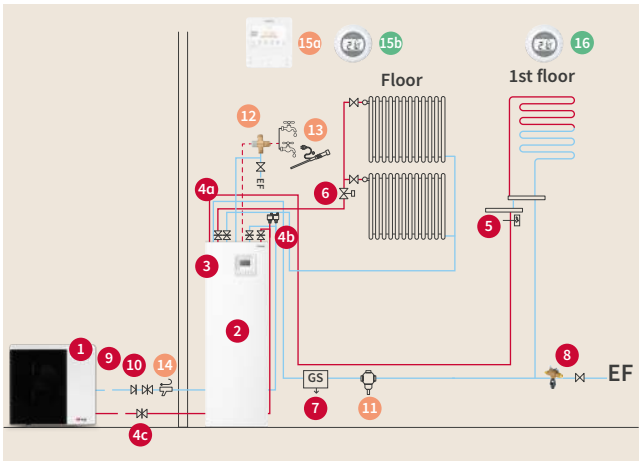
Hydraulic modules	**Intensity 230 / 400 V**	**Protection 230 / 400 V**	**Cable section 230 / 400 V**	**Max. cable length 230 / 400 V**
	Max A	**A/curve**	**mm²**	**m**
HWD-W2E-220S	38.7 / 18	32 / 16 / C	3G6/5G4	28 / 20

Hydraulic setups airH2O 800 H Combi

Your diagrams in just a few clicks
at yutaki-applications.com

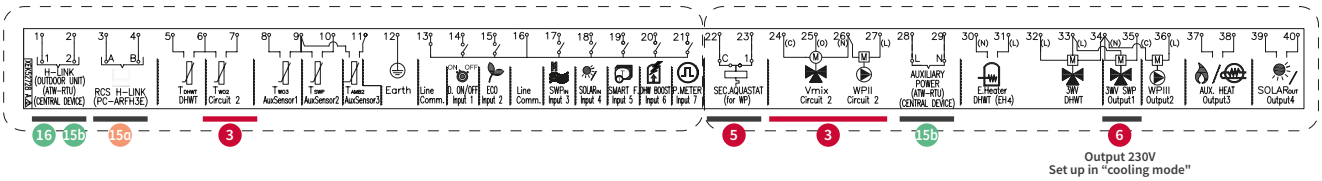
Provide high-temperature antifreeze valves and filter screens.

2 control zones - radiators and floors disconnected (included) (reversible)



1	Outdoor unit	**Mandatory**	Hitachi supplied
2	Hydraulic module (expansion tank and decoupling bottle included)	**Mandatory**	Hitachi supplied
3	Integrated 2-zone kit with mixing valve, balancing valve, circulator, universal temperature sensor	**Mandatory**	Hitachi option (ATW-2TK-08)
4a	Heating isolation valves for zone 1 and hydraulic connections module	**Mandatory**	Hitachi supplied (to be provided on site for 2nd zone)
4b	DHW isolation valves	**Mandatory**	Not supplied
4c	Isolation valves for hydraulic connections	**Mandatory**	Not supplied
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Motorized valve	**Mandatory (if refresh)**	Not supplied
7	DNW safety unit	**Mandatory**	Not supplied
8	Disconnector	**Mandatory**	Not supplied
9	Anti-freeze valves	**Mandatory**	Not supplied
10	R290 safety valve	**Mandatory**	Hitachi supplied
11	Dirt separator	**Recommended (Required if floor)**	Not supplied
12	Thermostatic mixer	**Recommended**	Not supplied
13	Active Titanium Anode	**Recommended**	Option (ATW-CP-05)
14	Magnetic filter for heat exchanger	**Recommended**	Not supplied
15a	Wired compensation thermostat zone 1: Offset PC-ARFH3E	**Recommended**	Hitachi supplied (with module)
15b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
16	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Also ensure that the included secondary pump is sufficient for the network.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



air H2O 800 M

Monobloc Air/Water heat pump, 75°C, without internal module
4 to 14 kW (R290)



PERFORMANCE RATINGS

- The AirH2O 800 M range offers exceptional performance even in cold weather and power ratings suitable for all types of projects. **new & renovation**
- Its **Constant Power** technology enables it to maintain its power rating throughout the year in 100% thermodynamic mode.
- Its **Constant Water** technology enables it to reach and maintain a constant water outlet temperature from **75°C.**

PRACTICAL FOR PROFESSIONALS

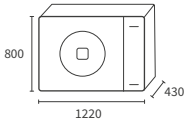
- **Fully-inclusive management:** All standard features (2-zone control, boiler backup, remote DHW management, SmartGrid-ready, solar thermal, fan coil units).
- **100% plug and play:** No handling of refrigerant and no opening of the outdoor unit for installation or setup.
- **CSNET Home PRO includes the following as standard:** View the status of your devices remotely and adjust their settings in real time.
- **NFC function:** Create / copy / paste / duplicate a configuration directly from your smartphone.

EASY TO CONTROL

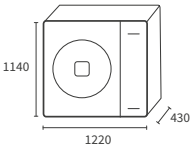
- **Controller:** A modern, stylish LCD screen combined with ease of use for both home users and professionals.
- **CSNet Home included as standard:** Control your comfort from a distance at no extra charge.

Outdoor units



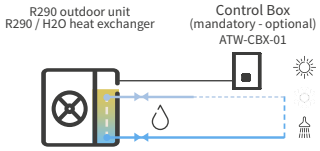


RASM-2VTW2E
RASM-3VTW2E
RASM-3.5VTW2E



RASM-4(V)TW2E
RASM-5(V)TW2E
RASM-6(V)TW2E

The monobloc concept



Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH3E**



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**



Control Box
Part no.: **ATW-CBX-01**
Mandatory



Black wired remote control
Model: **PC-ARFH3EB**
Option

Hydraulic accessories



2-zone kit with 3-way valve and wall-mounted circulator
Model: **ATW-2TK-07**



3-way directional inversion valve
Model: **ATW-3WV-01**



Universal sensor
Model: **ATW-WTS-02Y**

Options



Domestic Hot Water Storage Tank
Stainless steel tank

200 L:
(H x D) 1270 x 595 mm
Model: **DHWT-200S-3.0H2E**

300 L:
(H x D) 1750 x 595 mm
Model: **DHWT-300S-3.0H2E**

airH2O 800 M

R290 REFRIGERANT

Model	Unit	4 kW	6 kW	8 kW	10 kW	12 kW	14 kW
Performance, heating							
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	2/4/6	2.4/6/8	2.4/8/10	4.5/10/12	4.5/12/14	4.5/14/16
Capacity/max. heating (-7°C outside / 35°C water)	kW	4 / 4.5	6 / 6	8 / 8	10 / 10	12 / 12	13 / 13.5
Capacity/max. heating (-7°C outside / 55°C water)	kW	4 / 4.5	6 / 6	7.5 / 7.5	10 / 10	12 / 12	13 / 13
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	4.7	4.84	4.62	4.53	4.21	4.2
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.5 / 3.25	4.67 / 3.37	4.67 / 3.44	4.53 / 3.65	4.53 / 3.55	4.54 / 3.35
Seasonal heating energy efficiency ηs (35°C) Single/Tri [1]	%	177	184		178		179
Seasonal heating energy efficiency ηs (55°C) Single/Tri [1]	%	127	132	135	143	139	131
Energy rating 35°C/55°C	-	A+++/A++					
Temperature range of water outlet (heating mode)	°C	20/75°C					
Max. temperature at the water outlet in thermodynamic-only mode	°C	75°C up to -5°C outside					
Performance in Cooling mode (optional)							
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	4 / 4.5	6 / 6.5	7 / 7.5	10 / 10	11 / 11	12 / 12
Absorbed capacity cooling (35°C ext/7°C water)	kW	-					
EER (reversible model)	-	2.78	2.91	2.84	3.13	2.94	2.66

Outdoor units		RASM-2VTW2E	RASM-3VTW2E	RASM-3.5VTW2E	RASM-4(V)TW2E	RASM-5(V)TW2E	RASM-6(V)TW2E
Pressure level at 5m / Sound power in hot mode [3]	dB(A)	29 / 55	29 / 56	29 / 57	27 / 53	28 / 53	
Dimensions (HxLxD)	mm	800 x 1220 x 430			1140 x 1220 x 430		
Net weight	kg	90			130		
Operating ranges in Cooling/Heating/DHW mode	°C	'+10~+46 // -25~+25 // -25~+43					
M remote control only - Required and not included		Control Box ATW-CBX-01 (accessory/mandatory) including PC-ARFH3E					
Hydraulic features							
Expansion vessel	L	Not included					
Water flow rate (min / max)	m^3/h	0.8 / 2		1 / 2	1 / 3	1.1 / 3	1.2 / 3
Hydraulic connections for heating (male/male valves supplied)	inches	1"					
Min. system water capacity	L	28			55		
Cooling properties							
Refrigerant / Refrigerant charge	- / kg	R290 / 0.9			R290 / 1.2		
Compressor	-	ROTARY DC INVERTER					
Electrical features							
Power supply	-	230V/1Ph/50 Hz			230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE-PHASE 230V — Max. current	A	14.2	17.7	20.7	29.2		
SINGLE-PHASE 230V — Cable section (mm^2) / max. length (m) [2]	-	3 x 2.5/28	3 x 4/24	3 x 6/21	3 x 6/30		
3-PHASE 400V — Max. current	A	-			16.7		
3-PHASE 400V — Cable section (mm^2) / max. length (m) [2]	-	-			5 x 4/16		
Indoor/Outdoor connection (protected)	mm^2	2 x 0.75					

Retail price per unit excluding taxes

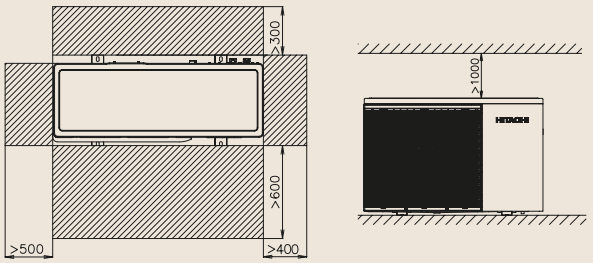
	RASM-2VTW2E	RASM-3VTW2E	RASM-3.5VTW2E	RASM-4VTW2E	RASM-5VTW2E	RASM-6VTW2E
Monobloc units (remote control NOT included) Single-phase units						
Monobloc units (remote control NOT included) Three-phase	-			RASM-4TW2E	RASM-5TW2E	RASM-6TW2E
Control Box (NOT included, required)	ATW-CBX-01 (Control box) without PC-ARFH3E					
Price for the whole set Single-phase Monobloc unit + Control Box						
Price for the whole set Three-phase Monobloc unit + Control Box	-					

[V] = Single
[1] Seasonal energy efficiency without regulation, Keymark certification, in accordance with Regulation (EU) No. 813/2013 of the Commission of August 2, 2013, and standard EN14825.
[2] Sections given for reference purposes only. Compliant with the applicable electrical standards.
[3] Pressure to 5m in night mode - In accordance with EN12102-1 / ErP

Prepare your construction site airH2O 800 M

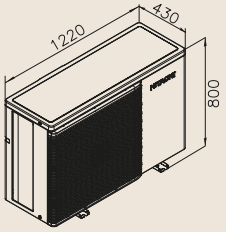
1. How much space do I need for my outdoor unit?

Models 4 to 14 kW

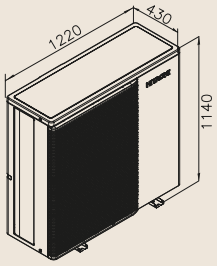


Units in mm

Models 4 to 8 kW



Models 10 to 14 kW



Units in mm

Regarding the installation rules for R290 units, please consult the documentation and comply with local regulations in force.

2. Which hydraulic connections are needed?

Hydraulic features	Unit	4.3 and 8 kW	4 to 14 kW
Water heating connections (valves not supplied)	inches	1"	

3. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element or wish to use a backup heating element, please refer to the technical catalog. Data provided as a guide, please refer to the applicable electrical standard.

	Power supply				Bus
Outdoor units	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	
	Max A	A/curve	mm²	m	
RASM-2VTW2E	14.2/-	16 / - / D / -	3G2.5 / -	30/-	Liycy shielded cable 2 x 0.75 mm²
RASM-3VTW2E	17.7/-	20 / - / D / -	3G4 / -		
RASM-3.5VTW2E	20.7/-	25 / - / D / -	3G6 / -		
RASM-4VTW2E/TW2E	29.2 / 16.7	32 / 20 / D	3G6/5G4	30 / 16	
RASM-5VTW2E/TW2E					
RASM-6VTW2E/TW2E					

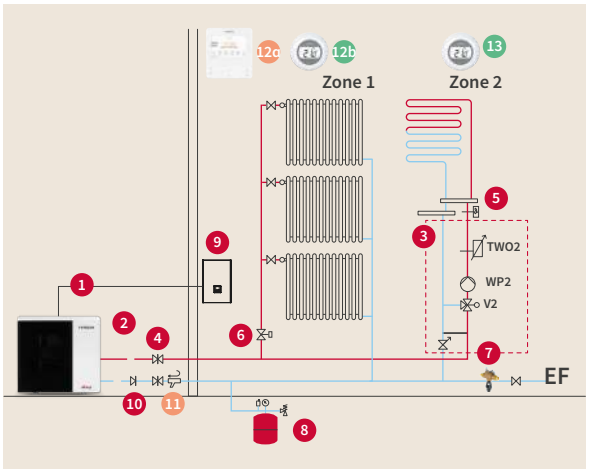
Control Box	Intensity 230 V	Protection 230 V	Cable section 230 V	Max. cable length 230 V
	Max A	A/curve	mm²	m
ATW-CBX-01	5 / 19 with tank DHW optional	5 / 20 with tank DHW optional	3G0.75 / 3G4 with optional DHW tank	28

Hydraulic setups airH2O 800 M

Provide high-temperature antifreeze valves and filter screens.

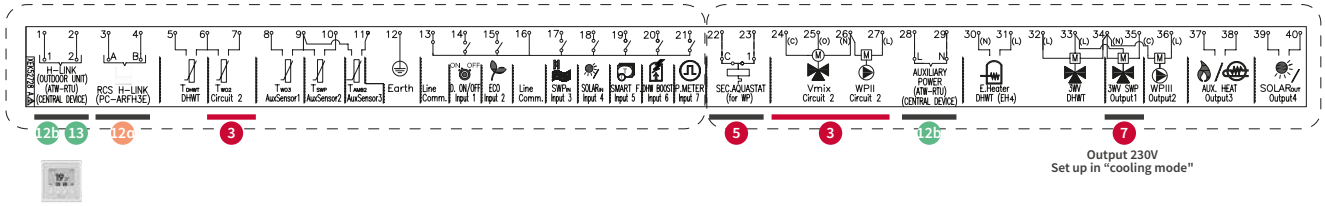
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2 control zones: direct radiators - mixed flooring (standard mode - reversible)

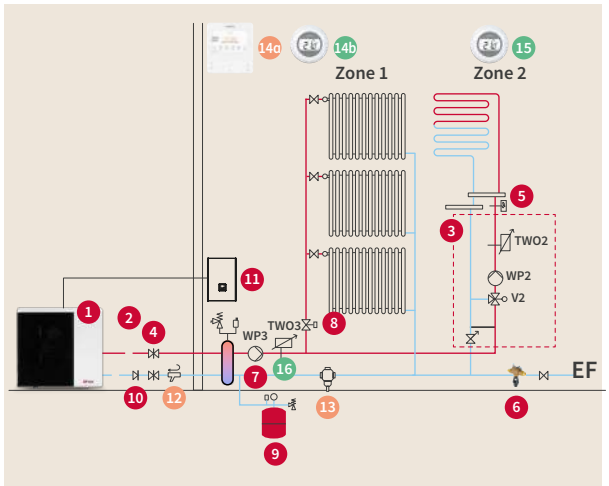


1	Outdoor unit *(Please note: Control Box required as an option (ATW-CBX-01)*	**Mandatory**	Hitachi supplied
2	Anti-freeze valves (x 2)	**Mandatory**	Not supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Not supplied
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Motorized valve	**Mandatory (if refresh)**	Not supplied
7	Disconnector	**Mandatory**	Not supplied
8	Expansion tank kit	**Mandatory**	Not supplied
9	Control box with PC-ARFH3E	**Mandatory**	Hitachi accessory (ATW-CBX-01)
10	R290 safety valve	**Mandatory**	Hitachi supplied
11	Magnetic filter for heat exchanger	**Recommended**	Not supplied
12a	Wired compensation thermostat zone 1: Offset PC-ARFH3E	**Recommended**	Hitachi option PC-ARFH3E
12b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
13	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**

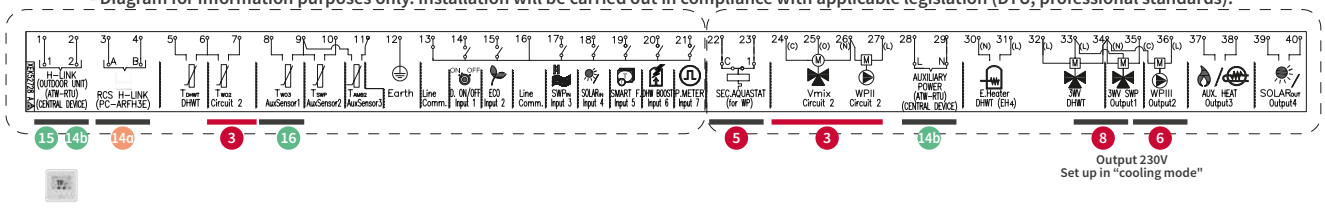


2 control zones: Decoupling of radiators and mixed flooring (standard mode - reversible)



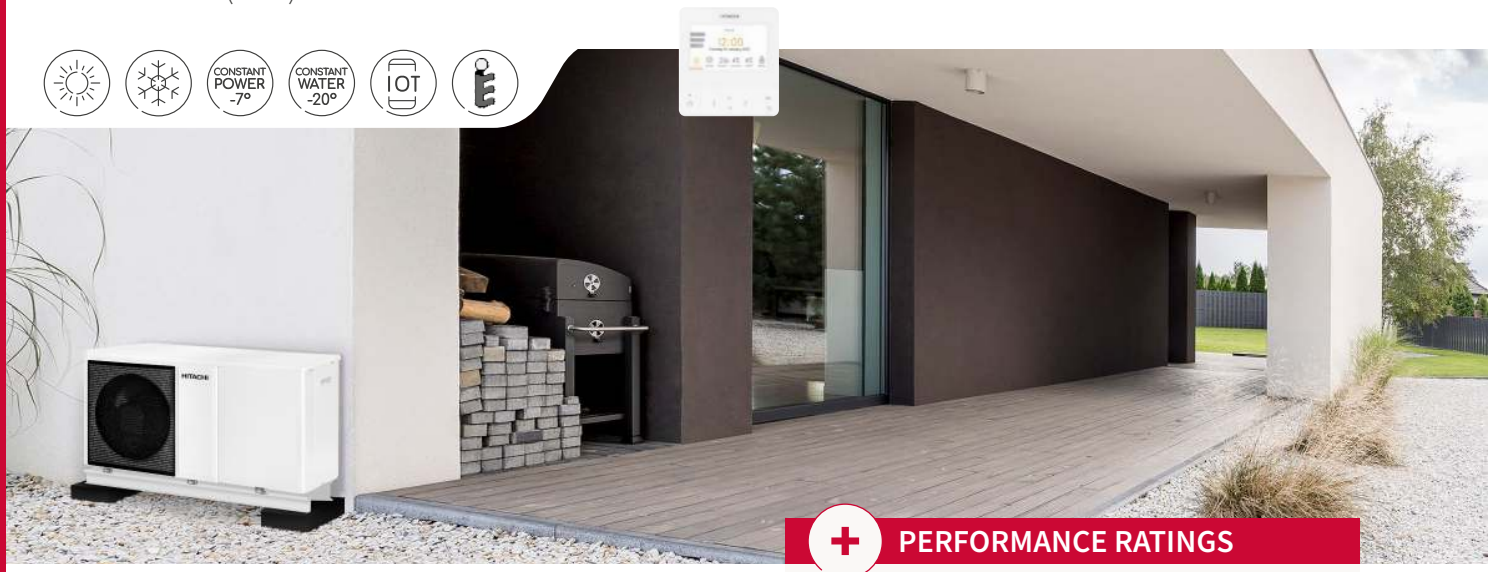
1	Outdoor unit *(Please note: Control Box required as an option (ATW-CBX-01)*	**Mandatory**	Hitachi supplied
2	Anti-freeze valves (x 2)	**Mandatory**	Not supplied
3	2-zone kit with mixing valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Not supplied
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Disconnector	**Mandatory**	Not supplied
7	Secondary circulator	**Mandatory**	Not supplied
8	Motorized valve	**Mandatory (if refresh)**	Not supplied
9	Expansion tank kit	**Mandatory**	Not supplied
10	R290 safety valve	**Mandatory**	Hitachi supplied
11	Control box with PC-ARFH3E	**Mandatory**	Hitachi accessory (ATW-CBX-01)
12	Magnetic filter for heat exchanger	**Recommended**	Not supplied
13	Dirt separator	**Recommended**	Not supplied
14a	Wired compensation thermostat zone 1: offset PC-ARFH1E or PC-ARFH2E	**Recommended**	Hitachi option PC-ARFH3E
14b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
15	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1
16	Universal temperature sensor	**Option**	Hitachi option (ATW-WTS-02Y)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



Yutaki M

Monobloc Air/Water heat pump, 60°C, without internal module
4.3 to 16 kW (R32)



PERFORMANCE RATINGS

- The Yutaki M range offers exceptional performance even in cold weather and power ratings suitable for all types of projects. **new & renovation**
- Its **Constant Power** technology enables it to maintain its power all year round down to -7°C outside in 100% thermodynamic mode (up to 55°C water temperature)*
- Its **Constant Water** technology enables it to reach and maintain a constant water outlet temperature from 60°C to -10°C ext, and 55°C to -20°C ext.*

**only models from 11 to 16kW.*

PRACTICAL FOR PROFESSIONALS

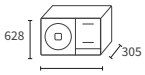
- **Fully-inclusive management:** All standard features (2-zone control, boiler backup, remote DHW management, SmartGrid-ready, solar thermal, fan coil units).
- **Without any handling of refrigerant:** A fully hydraulic connection.
- **CSNET Home PRO:** View the status of your fleet remotely and adjust its settings in real time.

EASY TO CONTROL

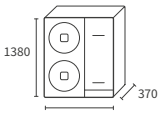
- **Controller:** A modern, stylish LCD screen combined with ease of use for both home users and professionals.

Outdoor units



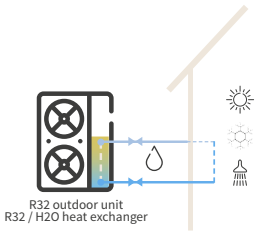


RASM-2VR2E
RASM-3VR2E



RASM-4(V)R1E
RASM-5(V)R1E
RASM-6(V)R1E
RASM-7R1E

The monobloc concept



Compatible controls and accessories

Controls and connectivity



Wired remote control
Model: **PC-ARFH2E**



CSNET Home gateway connectivity
Model: **ATW-IOT-01**



Wireless remote control for ambient compensation 1st circuit.
Model: **ATW-RTU-07**

Hydraulic accessories



2-zone kit with 3-way valve and wall-mounted circulator
Model: **ATW-2TK-07**



3-way directional inversion valve
Model: **ATW-3WV-01**



Universal sensor
Model: **ATW-WTS-02Y**

Options



Domestic Hot Water Storage Tank
Stainless steel tank

200 L:
(H x D) 1270 x 595 mm
Model: **DHWT-200S-3.0H2E**

300 L:
(H x D) 1750 x 595 mm
Model: **DHWT-300S-3.0H2E**



Reversible kit
Equipment required for Cooling mode operation
Model: **ATW-CKM-01**



Control cabinet
Combines the electrical connections and the remote control.
Model: **ATW-YMM-02**

Yutaki M

Model	Unit	Yutaki M 4.3 kW	Yutaki M 8 kW	Yutaki M 11 kW	Yutaki M 12 kW	Yutaki M 13 kW	Yutaki M 16 kW
Performance, heating							
Min./rated/max. heating capacity (7°C outside./35°C water)	kW	1.85/4.30/6.50	2.10/ 8.00 / 11.00	4.30/11.00/14.00	4.80/12.00/15.00	5.50/13.00/16.00	6.00/16.00/18.00
Capacity/max. heating (-7°C outside / 35°C water)	kW	4.5 / 5.5	5.8 / 7.5	11.0 / 11.0	12.0 / 12.5	13.0 / 14.0	16.0 / 16.0
Capacity/max. heating (-7°C outside / 55°C water)	kW	4.0 / 4.77	5.0 / 5.5	11.0 / 11.0	12.0 / 12.0	13.0 / 13.0	16.0 / 16.0
Capacity Heating (7°C outside/35°C water)	kW	0.86	1.74	2.34	2.66	2.88	3.62
Heat pump (7°C outside/35°C water) in accordance with EN14511	-	5.00	4.60	4.70	4.50	4.50	4.42
SCOP average climate 35°C/55°C in accordance with EN14825	-	4.44 / 3.19	4.44 / 3.20	4.22 / 3.21	4.13 / 3.26	4.15 / 3.28	3.97 / 3.21
Seasonal energy efficiency Heating ηs (35°C) Single/Tri[1]	%	**175**	**175**	**175/166**	**175 / 162**	**175 / 163**	**-/156**
Seasonal heating energy efficiency ηs (55°C) Single/Tri[1]	%	**125**	**125**	**132 / 125**	**133 / 127**	**133 / 128**	**-/125**
Energy rating 35°C / 55°C	-	A+++/A++			A+++/A++		A++
Temperature range of water outlet (heating mode)	°C	20 / 60°C					
Max. temperature at the water outlet in thermodynamic-only mode	°C	60°C up to -5°C ext		60°C up to -10 °C ext / 55°C up to -20°C ext			
Performance in Cooling mode (optional)							
Capacity/max. cooling mode (35°C outside/7°C water) (reversible)	kW	4.00 / 5.12	6.50 / 7.00	11.00 / 12.00	12.00 / 13.00	13.00 / 14.70	14.00 / 16.00
Absorbed capacity cooling (35°C ext/7°C water)	kW	1.05	1.94	3.26	3.64	4.04	4.46
EER (reversible model)	-	3.82	3.35	4.80	4.74	4.67	4.61

Monobloc unit	Unit	RASM-2VR2E	RASM-3VR2E	RASM-4(V)R1E	RASM-5(V)R1E	RASM-6(V)R1E	RASM-7R1E
Additional electrical heating element (optional)	kW	6 (2 + 2 + 2)	6 (2 + 2 + 2)	6 (2 + 2 + 2)			
Net weight	kg	71	73	130	138	138	138
Dimensions (HxLxD)	mm	628 x 1264 x 305		1380 x 1252 x 370			
Sound pressure level up to 5m / sound power [3]	dB(A)	30 / 50	30 / 51	41 / 61	43 / 63	43 / 63	45 / 65
Air flow rate	m³/h	2526	2982	7920	8280	8280	8640
Operating ranges in Cooling/Heating/DHW mode	°C	+10~+46 // -25~+25 // -25~+35					
Remote control	-	Not included					
Hydraulic features							
Expansion vessel	L	6					
Water flow (min/rated/max)	m³/h	0.50/0.8/1.90	0.60/1.3/2.10	1 / 1.89 / 2.80	1.10 / 2.06 / 3	1.20 / 2.24 / 3	1.20/2.75/3
Min. system water capacity	L	28		50	55	55	65
Diameter of hydraulic connections	inches	1"		1-1/4"			
Maximum total length of hydraulic piping (up to V3V and/or DHW tank)	m	-	-	10			
Electrical features							
Power supply		230V/1Ph/50 Hz		230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz			400V/3Ph/50 Hz
SINGLE-PHASE 230V — Max. current	A	12.8	16.8	28.8	28.8	28.8	-
SINGLE-PHASE 230V — Cable section (mm²)/max. length (m)[2]	-	3 x 2.5/14	3 x 4/16	3 x 6/30			
SINGLE-PHASE 230V — Maximum intensity with auxiliary heating element + tank heating element / Yutaki M Option	A	23.1	28.5	41.3	41.3	41.3	-
SINGLE-PHASE 230V — Cable section (mm²)/max. length (m)[2]	-	3 x 6/28		3 x10 / 20			
3-PHASE 400V — Max. current with additional resistance	-	-	-	16.3	16.3	16.3	16.3
3-PHASE 400V — Cable section (mm²)/max. length (m)[2]	-	-	-	5 x 4/16			
3-PHASE 400V — Maximum intensity with auxiliary resistance + tank resistance / Yutaki M Option	-	-	-	28.8			
3-PHASE 400V — Cable section (mm²)/max. length (m)[2]	-	-	-	5 x 6/18			
Indoor/Outdoor connection (protected)	mm²	-	-	2 x 0.75 mm			
Cooling properties							
Change of refrigerant	kg	1.1	1.2	2.6	3.0	3.0	3.0
Refrigerant	-	R32					
Compressor	-	ROTARY					

Retail price per unit excluding taxes

Monobloc units (remote control NOT included) Single-phase units	**RASM-2VR2E**	**RASM-3VR2E**	**RASM-4VR1E**	**RASM-5VR1E**	**RASM-6VR1E**	-
						-
Monobloc units (remote control NOT included) Three-phase	-		**RASM-4R1E**	**RASM-5R1E**	**RASM-6R1E**	**RASM-7R1E**
Remote control (NOT included, required)	**PC-ARFH2E**		**PC-ARFH2E**			
Price for the whole set Single-phase Monobloc unit + remote control						-
Price for the whole set Three-phase Single block unit + remote control	-					
Reversible kit (Optional)	**ATW-CKM-01**		**ATW-CKM-01**			
Control cabinet (Optional)	**ATW-YMM-01**		**ATW-YMM-02**			

[1] Non-regulated seasonal energy efficiency, Keymark-certified.
[2] Sections given for reference purposes only. Compliant with the applicable electrical standards. (V) = single.
[3] Pressure to 5m in night mode / In accordance with EN12102-1

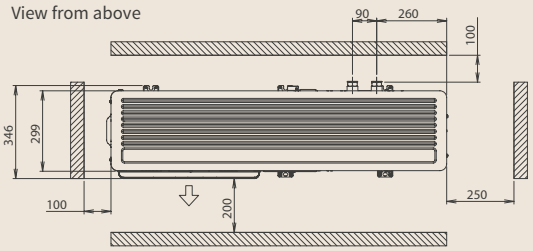
Prepare your construction site Yutaki M

1. How much space do I need for my outdoor unit?

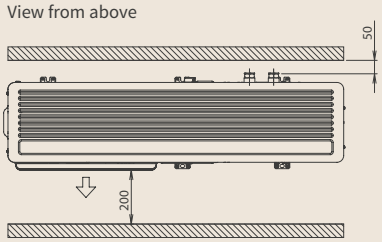
Models 4 to 8 kW

Units in mm

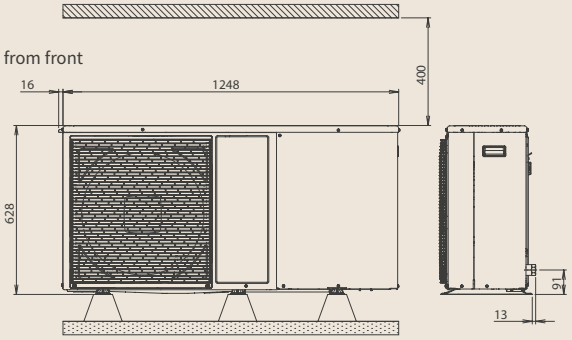
View from above



View from above



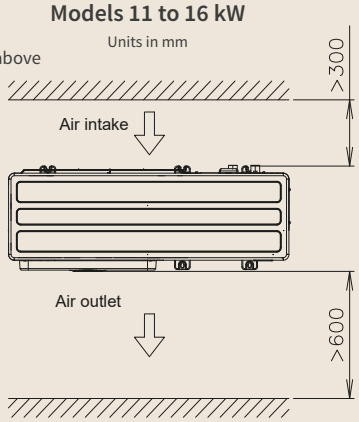
View from front



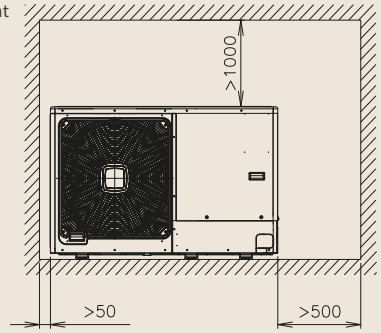
Models 11 to 16 kW

Units in mm

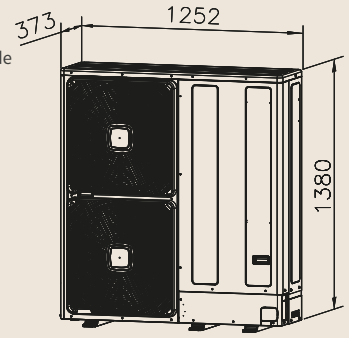
View from above



View from front



View from side



2. Which hydraulic connections are needed?

Hydraulic features	Unit	4.3 and 8 kW	11 to 16 KW
Water heating connections (valves not supplied)	inches	1"	1"1/4 (female)

3. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. If you have a remote DHW tank with a heating element or wish to use a backup heating element, please refer to the technical catalog. Data provided as a guide, please refer to the applicable electrical standard.

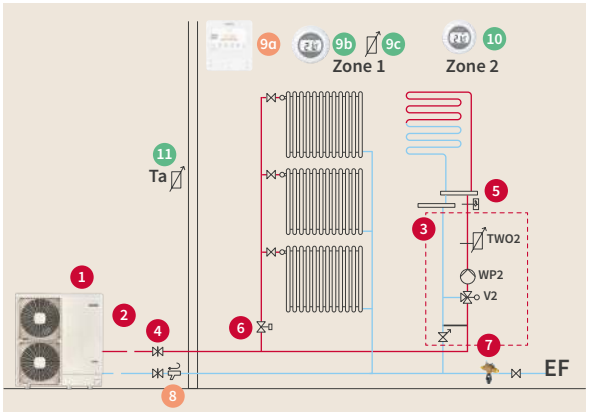
Outdoor units	Power supply				Bus
	Intensity	Protection	Cable section	Max. cable length	Liycy shielded cable 2 x 0.75 mm2
	Max A	A/curve	mm²	m	
RASM-2VR2E	12.8	16 / D	3G2. 5	28	
RASM-3VR2E	16.8	20 / D	3G4	24	

Outdoor units	Power supply				Bus
	Intensity 230 / 400 V	Protection 230 / 400 V	Cable section 230 / 400 V	Max. cable length 230 / 400 V	Liycy shielded cable 2 x 0.75 mm2
	Max A	A/curve	mm²	m	
RASM-4VR1E/R1E	28.8 / 16.3	32 / 20 - D	3G6/5G4	30 / 16	
RASM-5VR1E/R1E	28.8 / 16.3	32 / 20 - D	3G6/5G4	30 / 16	
RASM-6VR1E/R1E	28.8 / 16.3	32 / 20 - D	3G6/5G4	30 / 16	
RASM-7R1E	-/16.3	-/ 20- D	- / 5G4	-/16	

Hydraulic diagrams for Yutaki M

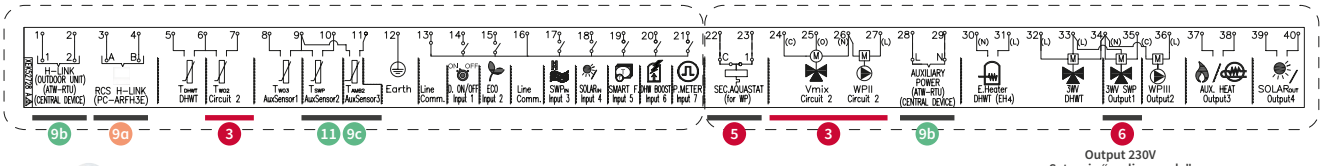
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2 control zones: Radiators directly - mixed flooring (standard mode - reversible)



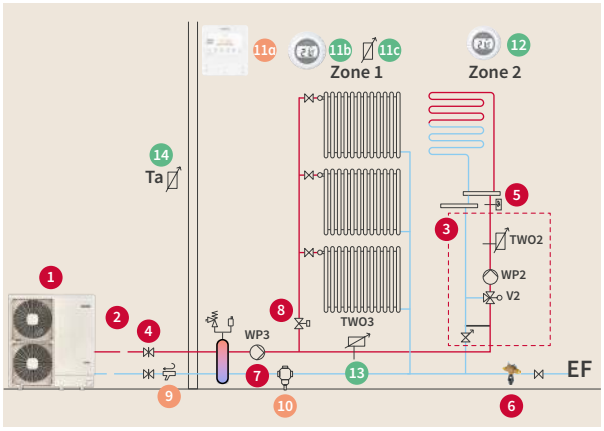
1	Outdoor unit *(Please note: Optional mandatory controller (PC-ARFH1E)*	**Mandatory**	Hitachi supplied
2	Anti-freeze valves (x 2)	**Mandatory**	Not supplied
3	2 zones kit with mixer valve, balancing valve, circulator, universal temperature sensor	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Not supplied
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Motorized valve	**Mandatory (if refresh)**	Not supplied
7	Disconnector	**Mandatory**	Not supplied
8	Magnetic filter for heat exchanger	**Recommended**	Not supplied
9a	Wired compensation thermostat zone 1: offset PC-ARFH1E or PC-ARFH2E	**Recommended**	Hitachi option PC-ARFH1E or PC-ARFH2E
9b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
9c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
10	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1
11	Outdoor sensor	**Option**	Hitachi option (ATW-2OS-02)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



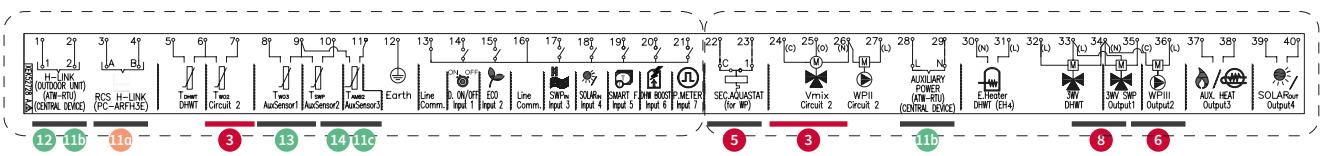
Yutaki R32 terminal block, for R410A see technical manual

2 control zones - direct radiator decoupling and mixed floor heating (standard mode - reversible)

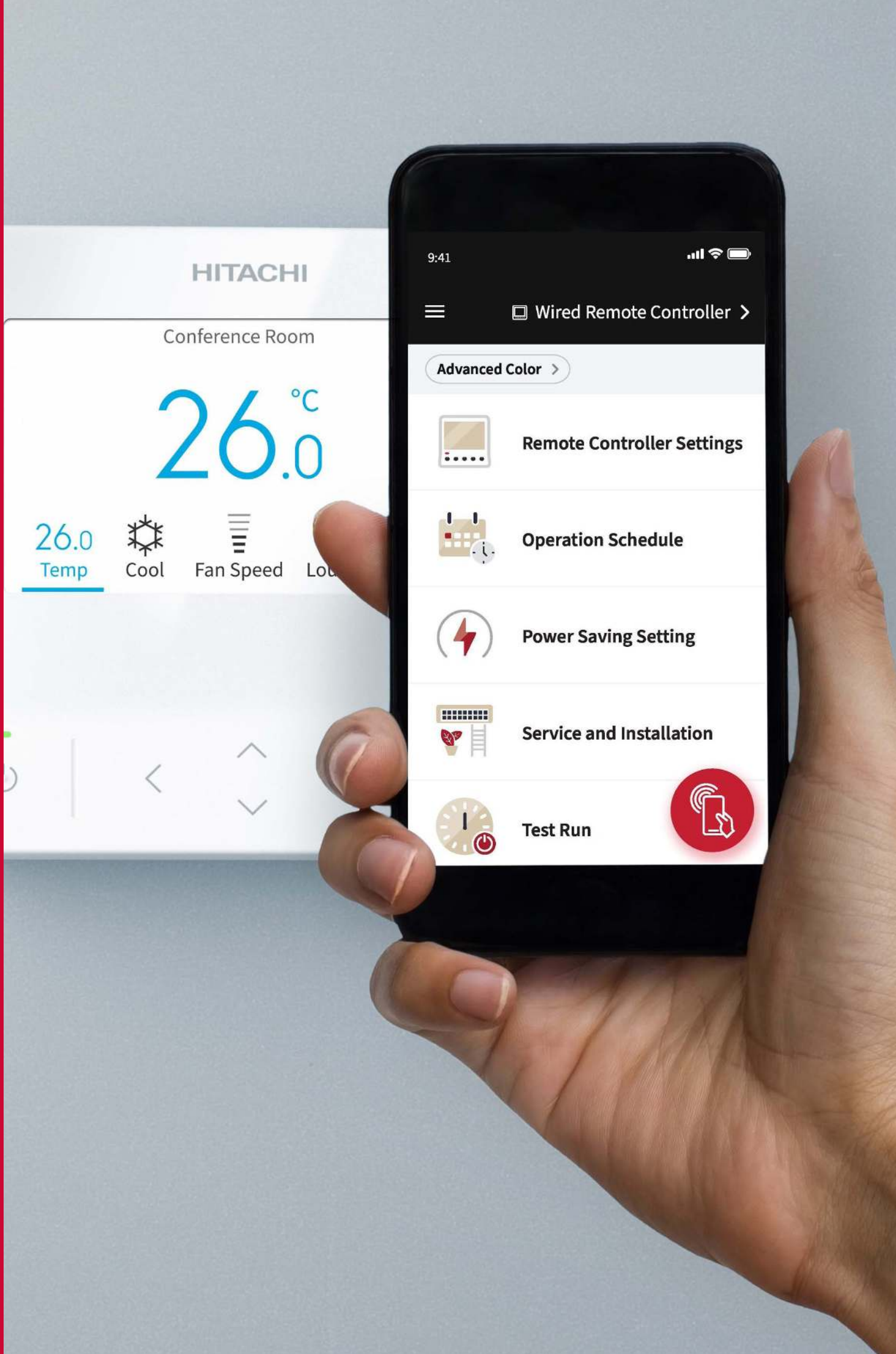


1	Outdoor unit *(Please note: Optional mandatory controller (PC-ARFH1E)*	**Mandatory**	Hitachi supplied
2	Anti-freeze valves (x 2)	**Mandatory**	Not supplied
3	2-zone kit with mixing valve, balancing valve, circulator, universal temperature sensor, bypass	**Mandatory**	Hitachi option (ATW-2TK-07)
4	Isolating valve	**Mandatory**	Not supplied
5	Safety aquastat for underfloor heating	**Mandatory**	Hitachi option (ATW-AQT-01)
6	Disconnector	**Mandatory**	Not supplied
7	Secondary circulator	**Mandatory**	Not supplied
8	Motorized valve	**Mandatory (if refresh)**	Not supplied
9	Magnetic filter for heat exchanger	**Recommended**	Not supplied
10	Dirt separator	**Recommended**	Not supplied
11a	Wired compensation thermostat zone 1: offset PC-ARFH1E or PC-ARFH2E	**Recommended**	Hitachi option PC-ARFH1E or PC-ARFH2E
11b	Wireless compensation thermostat zone 1	**Option**	Hitachi option (ATW-RTU-07)
11c	Wired ambiance sensor	**Option**	Hitachi option (ATW-ITS-01)
12	Compensation thermostat zone 2	**Option**	Hitachi option ATW-RTU-06 if RTU-07 zone 1
13	Universal temperature sensor	**Option**	Hitachi option (ATW-WTS-02Y)
14	Outdoor sensor	**Option**	Hitachi option (ATW-2OS-02)

- Caution: ensure that the heat pump circulator can handle network load losses and manage the nominal flow required by the heat pump. Otherwise, hydraulic decoupling is required.
- Ensure the minimum volume required by the heat pump is sufficient, otherwise add a buffer volume.
- Always flush the heating system before connecting and filling it permanently. Use a compatible inhibitor product, in accordance with the manufacturer's recommendations.
- Check that the expansion tank included in the machine is sufficient for the overall volume of the installation.
- **Diagram for information purposes only. Installation will be carried out in compliance with applicable legislation (DTU, professional standards).**



Yutaki R32 terminal block


HITACHI
Conference Room
26.0 °C
26.0
Temp
Cool
Fan Speed
9:41
Wired Remote Controller
Advanced Color
Remote Controller Settings
Operation Schedule
Power Saving Setting
Service and Installation
Test Run



RESIDENTIAL

1 Air/Water Heat Pump Control and Connectivity Solutions



Controllers and connectivity by Hitachi

2 Air / Water Heat Pump Accessories











With the CSNET Home application,

CSNET Home



Télécharger dans l'App Store

DISPONIBLE SUR Google Play

Your comfort and savings at your fingertips!

Control your comfort remotely with the new smartphone and web app.

Quick and easy installation/pairing via the WIZARD assistant

End user





Intuitive heating zone management



Vacation Mode



Easy weekly programming thanks to the WIZARD assistant



Energy consumption data

How do I connect my installations to my PRO equipment?





For Yutaki ranges not equipped with a PC-ARFH3E controller, the optional ATW-IOT-01 gateway is required.

CSNET Home
End user



1. **Create a CSNet Home account and have the PRO feature activated by your HITACHI sales representative (provide company name and account email address).**
2. **Access request sent after adding the installation code* provided by the end customer to its maintainer on the PRO interface.**
   **(End-user interface / Installation settings menu / Remote access code)*
3. **Effective access after validation by the end customer (activate viewing + control option).**

CSNET Home PRO
maintainers



**With all modules equipped with a PC-ARFH3E controller.*

For older models starting with the 2016 Yutaki or Yutampo ball, the optional ATW-IOT-01 gateway is required and not included.

Take control anywhere, anytime!

CSNET Home PRO

Analyze your equipment and take control remotely!

Track your equipment and intervene remotely with new smartphone and web applications.



maintainers







Real-time remote visualization and monitoring of the installed equipment



Operating data over 3 months and more than 80 parameters



Fault code and description + troubleshooting procedure



Order history



Remote controls: Temperature, stop/start, water management (fixed and compensated).*

Advanced features to take support and monitoring even further

- Remote control of **all types of water management** (including compensated).*
- Log of **orders.**
- Remote changes to **system parameters.***
- Reading of and changes to **user configuration** (weekly programming, vacation mode, power consumption).
- Export of data **in Excel format** (command log, operational data history).

An **easy to install** gateway and better **remote supervision of equipment** to achieve better **quality of service and to minimize the need for on-site visits.**

CSNET Home is compatible with all Yutaki models since 2016.* and with Yutampo

(with optional ATW-IOT-01 gateway + addition of ATW-HCD-01 card).

* A machine update may be necessary; consult your Hitachi representative.

List of accessories and compatible combinations

Accessory reference	Description	AIRH2O 600 S	AIRH2O 600 S COMBI	YUTAKI S 2.0	YUTAKI S80	YUTAKI S80 COMBI	AIRH2O 800 H	AIRH2O 800 H COMBI	AIRH2O 800 M	YUTAKI M 4.3 AND 8 KW R32	YUTAKI M 11 TO 16 KW R32	YUTAMPO R32
Control accessories												
PC-ARFH1E	Wired remote control			•	•							
PC-ARFH2E	Wired remote control									•	•	
PC-ARFH3E	Wired remote control	•	•	•			•	•	•			
ATW-RTU-07	Ambience compensation remote thermostat 1st circuit	•	•	•	•	•	•	•	•	•	•	
ATW-RTU-06	Ambience compensation remote thermostat 2nd circuit	•	•	•	•	•	•	•	•	•	•	
ATW-RTU-04	Thermostat ON/OFF radio	•	•	•	•	•	•	•	•	•	•	
ATW-IOT-01	CSNET Home gateway				•	•				•	•	•
ATW-HCD-01	H-LINK adapter for wireless thermostats and central devices such as Modbus/KNX/ATW-IOT-01											•
ATW-CBX-01	Control Box								•			
ATW-YMM-02	Control cabinet (controller optional)									•	•	
ATW-YCC-01	Cascade control cabinet				•	•						
ATW-YCC-03	Cascade control cabinet									•	•	
ATW-YCC-04	Cascade control cabinet	•	•	•			•	•	•			
ATW-AOS-02	4-port auxiliary output box	•	•	•	•	•	•	•	•	•	•	
ATW-OFC-02	Configurable input/output connecting cables											•
ATW-FCP-01	Seal cover					•						
ATW-FCP-03	Yutaki 2.0 and H shut-off cover	•	•	•			•	•	•			
ATW-KNX-02	KNX communication interface	•	•	•	•	•	•	•	•	•	•	•
ATW-MBS-02	Modbus Single communication interface	•	•	•	•	•	•	•	•	•	•	•
HC-A16MB	MODBUS gateway for multiple YUTAKI systems (up to 8 units, with or without cascade controller, 16 indoor unit heat pump)	•	•	•	•	•	•	•	•	•	•	•
HC-A64MB	MODBUS gateway for multiple YUTAKI systems (up to 8 units, with or without cascade controller, 64 IU VRF)	•	•	•	•	•	•	•	•	•	•	•
ATW-EC-01	10m extension cable for ATW-IOT-02 Wi-Fi gateway (standard on AirH2O 600 & 800)	•	•	•			•	•	•			

Accessory reference	Description	AIRH2O 600 S	AIRH2O 600 S COMBI	YUTAKI S 2.0	YUTAKI S80	YUTAKI S80 COMBI	AIRH2O 800 H	AIRH2O 800 H COMBI	AIRH2O 800 M	YUTAKI M 4.3 AND 8 KW R32	YUTAKI M 11 TO 16 KW R32	YUTAMPO R32
Hydraulic accessories												
ATW-2TK-08	2 zones kit (integrated on 220L model only)		•					•				
ATW-2TK-07	2 zones kit (not integrated) wall version	•	•	•	•	•	•	•	•	•	•	
ATW-AQT-01	Max. safety aquastat, floor-mounted	•	•	•	•	•	•	•	•	•	•	
Contact us	Hydraulic decoupling canister for heat pump	•	•	•	•	•	•	•	•	•	•	
ATW-WCV-01	Anti-return water valve	•	•	•	•	•	•	•	•	•	•	•
ATW-DPOV-01	Differential discharge valve	•	•	•	•	•	•	•	•	•	•	
Domestic hot water accessories												
ATW-CP-05	Titanium active anode		•					•				
DHWT-200S-3.0H2E	200-liter DHW storage tank – stainless steel	•		•	•		•		•	•	•	
DHWT-300S-3.0H2E	300-liter DHW storage tank – stainless steel	•		•	•		•		•	•	•	
DHWS200S-2.7H2E	200-liter DHW storage tank – stainless steel					•						
DHWS260S-2.7H2E	260-liter DHW storage tank – stainless steel					•						
ATW-FWP-02	Kit to install the Yutaki S80 Combi remote tank (DHW tank next to indoor unit)					•						
ATW3WV-01	3-way directional inversion valve – application; DHW, swimming pool	•	•	•	•	•	•	•	•	•	•	
Accessories: sensors												
ATW-ITS-01	Wired ambiance sensor	•	•	•	•	•	•	•	•	•	•	
ATW-WTS-02Y	Universal sensor for hot water, hydraulic decoupling, 2nd circuit, swimming pool, solar, DHW tank if not DHWT Hitachi	•	•	•	•	•	•	•	•	•	•	
Accessories cooling mode												
ATW-CKS-01	Reversible AirH2O 600 S kit, 4.3 to 8 kW	•										
ATW-CKS-02	Reversible AirH2O 600 S kit, 8.5 to 14 kW	•										
ATW-CKS-03	Yutaki S 2.0 reversible kit 20 to 24kW	•										
ATW-CKS-04	Reversible AirH2O 800 H kit						•					
ATW-CKM-01	Yutaki M reversible kit									•	•	
ATW-CKSC-02	Reversible AirH2O 600 S COMBI and 800 H combi kits - Insulation + jumper		•					•				
ATW-CKSC-03	Reversible AirH2O 600 S COMBI and 800 H combi kits - Insulation + jumper + drain pump		•					•				
Accessories for outdoor units												
WEH 6E	Connected heater				•	•			•	•	•	

List of accessories and outdoor unit compatibilities

Accessory reference	Description	RAS-(1.5-3) WHVRP2E	RAS-(4-6) WH(V)NPE	RAS-(8-10) WHNPE	RAS-(3.5-6) WH(V)RP2E	RASM-(2-3) VR2E	RASM-(4-7) (V) R1E	RASM-(2-6) (V) TW2E
Miscellaneous								
DH-SP63A	Condensate tray resistance	•						
DH-SP280A	Condensate tray resistance		•			•	•	
ATW-DH0-01	Condensate tray resistance				•			•
DBS-12L	Condensate evacuation connection	•				•		
DBS-26	Condensate evacuation connection		•	•	•		•	•

Control accessories



Wired remote control

Model: PC-ARFH1E

Only compatible with Yutaki S80 & S80 Combi.

Included except for Yutaki S80.



Wired remote control

Model: PC-ARFH2E

Included except for Yutaki M.



Wired NFC remote control

Only compatible with AirH2O 600 & 800 & Yutaki 20 to 24kW with 3E series indoor module.
Version (B) = black

Model: PC-ARFH3E(B)



Ambience compensation remote thermostat

1st circuit.

Model: ATW-RTU-07



Ambience compensation remote thermostat

2nd circuit.

Model: ATW-RTU-06



Thermostat ON/OFF radio

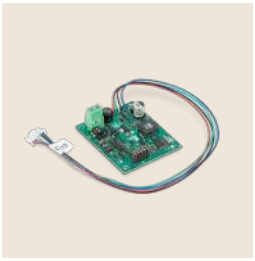
Model: ATW-RTU-04



CSNET Home gateway

Communication gateway. Integration of Hitachi IoT environment for Yutaki model.

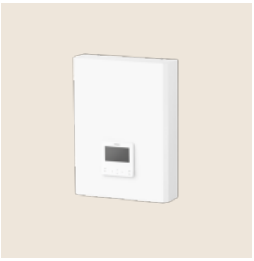
Model: ATW-IOT-01



HLINK adapter

For connecting a Yutampo tank to the ATW-IOT-01 / ModBus / KNX centralized system

Model: ATW-HCD-01 or 02



Control cabinet

Onlyfor Yutaki M 4 models to 16 kW R32. Combines the electrical connections and the remote control.

Model: ATW-YMM-02



AirH2O 800 M Control Box

Control cabinet and wiring, mandatory, for AirH2O 800 M models only.

Model: ATW-CBX-01



Cascade control cabinet

Management of a cascade of up to 8 Yutaki pumps from the same range and with the same power (single-phase or three-phase). Only compatible with Yutaki S80 & S80 Combi.

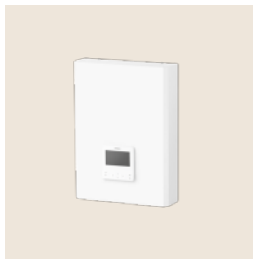
Model: ATW-YCC-01



Cascade control cabinet

Management of a cascade of up to 8 Yutaki pumps from the same range and with the same power (single-phase or three-phase). Only compatible with Yutaki M R32

Model: ATW-YCC-03



Cascade control cabinet

Management of a cascade of up to 8 AirH2O 600 or 800 units, from the same range and with the same power. Integrated Wi-Fi / CSNet Home. Not compatible with Yutaki or AirH2O 400.

Model: ATW-YCC-04



Yutampo R32 cable connectors

Configurable for inputs/outputs

Model: ATW-OFC-02



Auxiliary output box

4 ports available: operation, alarm, cooling, thermo-OFF.

Model: ATW-AOS-02



Front cover*Yutaki S80 Combi

Use if moving the remote control in the environment.

Model: ATW-FCP-01

*Non-contractual visual



Front cover* AirH2O 600 / 800 / Yutaki

Use if moving the remote control in the environment.

Model: ATW-FCP-03

*Non-contractual visual



KNX® communication interface

Communication interface.KNX® environment integration.

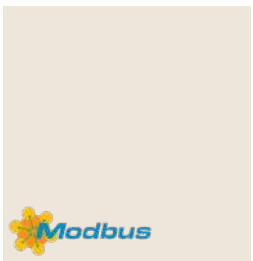
Model: ATW-KNX-02



Modbus communication interface

Communication interface.Modbus® environment integration.

Model: ATW-MBS-02



Modbus gateway for multiple systems

(Up to 8 units, with or without cascade controller).

Refs. : HC-A16MB
HC-A64MB

Control accessories

AirH2O 600 & 800 WiFi gateway extension cable

For offset of the ATW-IOT-02 gateway included as standard.
Length 10m

Model: ATW-EC-01

Hydraulic accessories



2-zone integrated kit

This accessory is essential if you want to maintain 2 distinct temperature settings.

Model: ATW-2TK-08 (for AirH2O S COMBI and H COMBI 220L only).



2-zone kit with 3-way valve and wall-mounted circulator

This accessory is essential if you want to maintain 2 distinct temperature settings.

Model: ATW-2TK-07



Max. safety aquastat, floor-mounted

This accessory is essential for floor-mounted heaters (DTU 65-14).

Model: ATW-AQT-01

Anti-return water valve

Model: ATW-WCV-01



Differential discharge valve

This accessory ensures a constant flow through the heat pump condenser.

Model: ATW-DPOV-01

Domestic hot water accessories



Titanium active anode

Model: ATW-CP-05
Anode compatible with AirH2O S and H COMBI and Yutampo R32.



DHW storage tank

Stainless steel tank.

Refs. :
200 L: DHWT-200S-3.0H2E
(H x D) 1270 x 595 mm

300 L: DHWT-300S-3.0H2E
(H x D) 1750 x 595 mm



DHW storage tank

Stainless steel tank for Yutaki S80 COMBI.

Refs. :
200 L: DHWS200S-2.7H2E

260 L: DHWS260S-2.7H2E

Kit for installation with a separate tank

Kit for installing the DHW tank on the side of the indoor unit for Yutaki S80 COMBI.

Model: ATW-FWP-02



3-way directional inversion valve

DHW and swiming pool applications.

Model: ATW-3WV-01

Accessories: sensors



Wired ambiance sensor

Model: ATW-ITS-01

Universal sensor

DHW, hydraulic decoupling, Circuit 2, swimming pool, solar (required if the tank is not a Hitachi DHWT).

Model: ATW-WTS-02Y

Accessories cooling mode



Reversible AirH2O 600 S and Yutaki S kits

Equipment required for cooling operation.

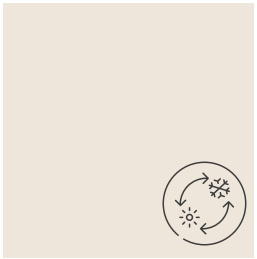
Refs. : ATW-CKS-01
(AirH2O 600 S - 3,5 to 8 kW)
ATW-CKS-02
(AirH2O 600 S - 8,5 to 14 kW)
ATW-CKS-03
(Yutaki S 2.0 - 20 to 24 kW)



Reversible AirH2O 600 S COMBI & 800 H COMBI kits

Equipment required to run in cooling mode.

Refs. : ATW-CKSC-02
ATW-CKSC-03 (with condensate pump)



Reversible AirH2O 800 H kit

Equipment required to run in cooling mode.

Refs. : ATW-CKS-04



Reversible Yutaki M R32 kit

Equipment required to run in cooling mode.

Model: ATW-CKM-01

Accessories for outdoor units



Connected heater
Model: WEH-6E

Condensate tray resistance
Model: DH-SP63A



Condensate tray resistance
Model: DH-SP280A



Condensate tray resistance
Model: ATW-DH0-01

Condensate evacuation connection
Model: DBS-12L
Compatible AirH2O 600 from 3.5 to 8 kW



Condensate evacuation connection
Model: DBS-26
Compatible AirH2O 600 from 8.5 to 14 kW and AirH2O 800 from 4 to 14 kW


HITACHI


HITACHI

RESIDENTIAL

Individual Production Solution

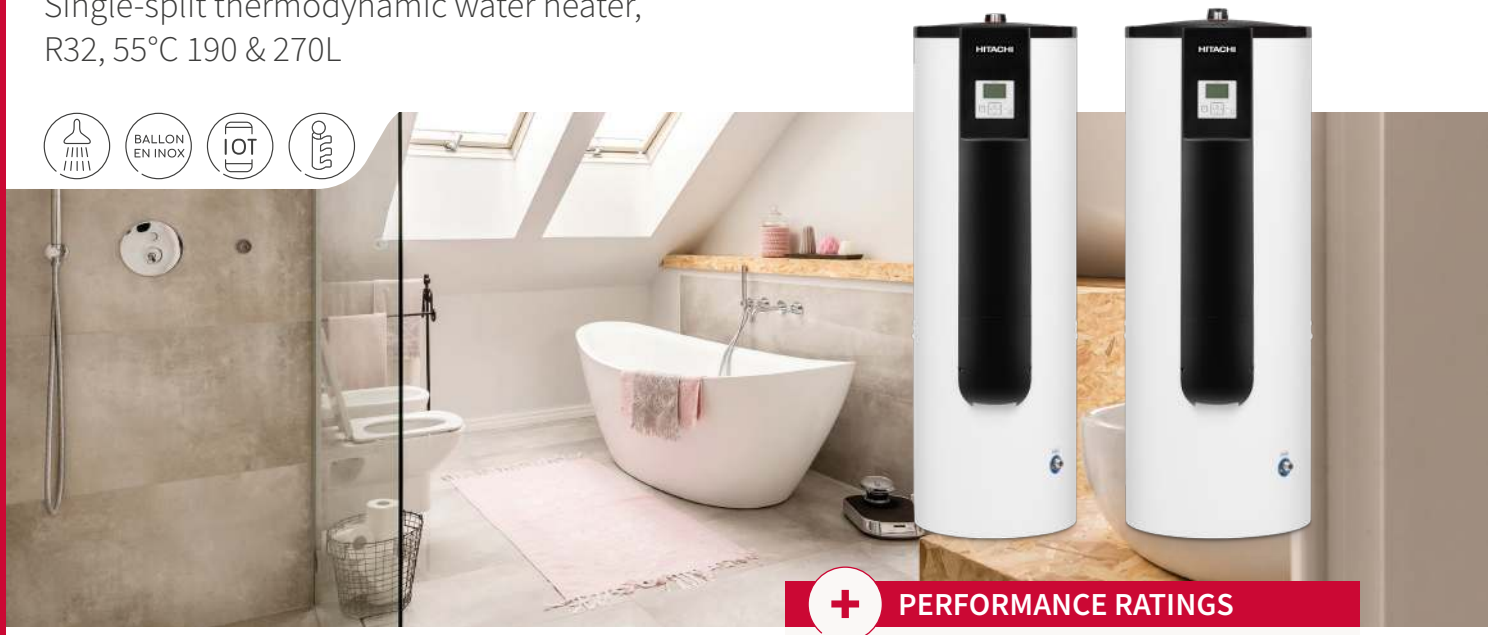
Split thermodynamic water heater
DHW standalone

Yutampo R32 : up to 270L

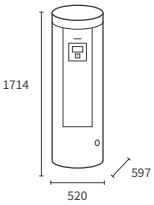


Yutampo R32

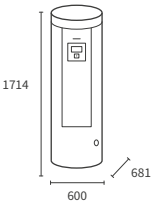
Single-split thermodynamic water heater,
R32, 55°C 190 & 270L



Indoor units



TAW-190RHC



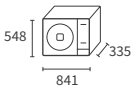
TAW-270RHC



TITANIUM ACTIVE ANODE
Option

Outdoor units





RAW-35RHC

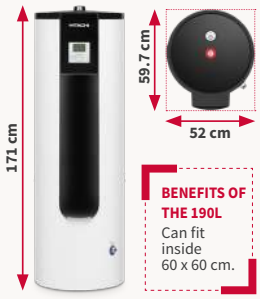
PERFORMANCE RATINGS

	COP	HEATING TIME	VOLUME OF DHW AT 40°C
190 L	3.1	3H00	256L
270 L	3.2	3H30	360L

COMPACTNESS

Fits in any cupboard or kitchen!

190-liter version



BENEFITS OF THE 190L
Can fit inside 60 x 60 cm.

LONGEVITY

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

Compatible controls and accessories

Controls



CSNET Home gateway connectivity
Model: **ATW-IOT-01**



KNX communication interface
Model: **ATW-KNX-02**



H-Link adapter (for connection to Hitachi IoT, Modbus, KNX, etc.)
Model: **ATW-HCD-01**



Input/output connector cables
Model: **ATW-OFC-02**

Hydraulic accessory



Titanium active anode
Model: **ATW-CP-05**

Yutampo R32

Model	Unit	190-liter version	270-liter version
Performance			
Heat pump DHW in accordance with EN16147 (190L; L cycle/270L; XL cycle)	-	3.1	3.2
Seasonal energy efficiency nwh (190L; L cycle/270L; XL cycle)	%	**125**	**129**
DHW energy rating	-	A+	A+
DHW temperature without electrical resistance/with electrical resistance	°C	55 / 75	
Heating temperature in accordance with EN16147	h:mn	3h00	3h30
Max. usable volume of water at 40°C in acc. with EN16147 / V40td	L	256 / 286	360 / 408
Filling profile in acc. with EN16147	-	L	XL

Tank	Unit	TAW-190RHC	TAW-270RHC
Capacity	L	190	270
DHW connections	Inches	3/4" M	
FLARE cooler connections	Inches	1/4" - 3/8"	
Tank material	-	Stainless steel	
Electrical element	kW	1.64	
Tank dimensions (H × Ø × D)	mm	1714 x 520 x 597	1714 x 600 x 681
Weight	kg	53	62
Pes/UA	W/W/K	20.00 / 1.77	23.00 / 1.92

Outdoor unit	Unit	RAW-35RHC
Operating range	°C	-15~+37
Average recovered heating capacity	kW	3.5
Min./max. fridge length/max. drop	m	5 - 20/10
Max. current	A	7.9
Pressure level at 1m/Acoustic pressure	dB(A)	-/63
Dimensions (HxLxD)	mm	548 x 841 x 335
Weight	kg	32.5
Quantity of refrigerant	kg	1
Refrigerant	-	R32

Electrical connections		3 options		
Power supply	-	By the tank	By the unit	Shared tank + power unit
Max. current	A	7.4	7.9	15.4
Cable section (mm^2)/max. length (m) *	-	3 x 1.5/20	3 x 1.5/20	3 x 2.5/20
Indoor/Outdoor connection (protected)	mm^2	3 x 0.75	3 x 0.75	3 x 0.75

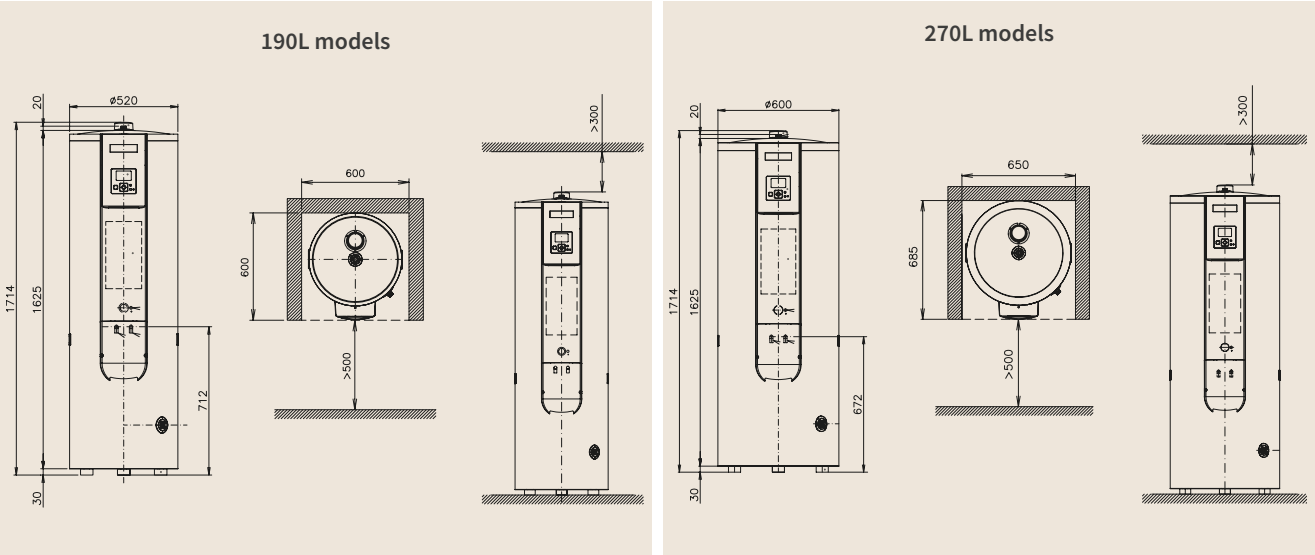
Retail price per unit excluding taxes

190/270l tank	**TAW-190RHC**	**TAW-270RHC**
Outdoor unit	**RAW-35RHC**	
Total price for the tank + outdoor unit		

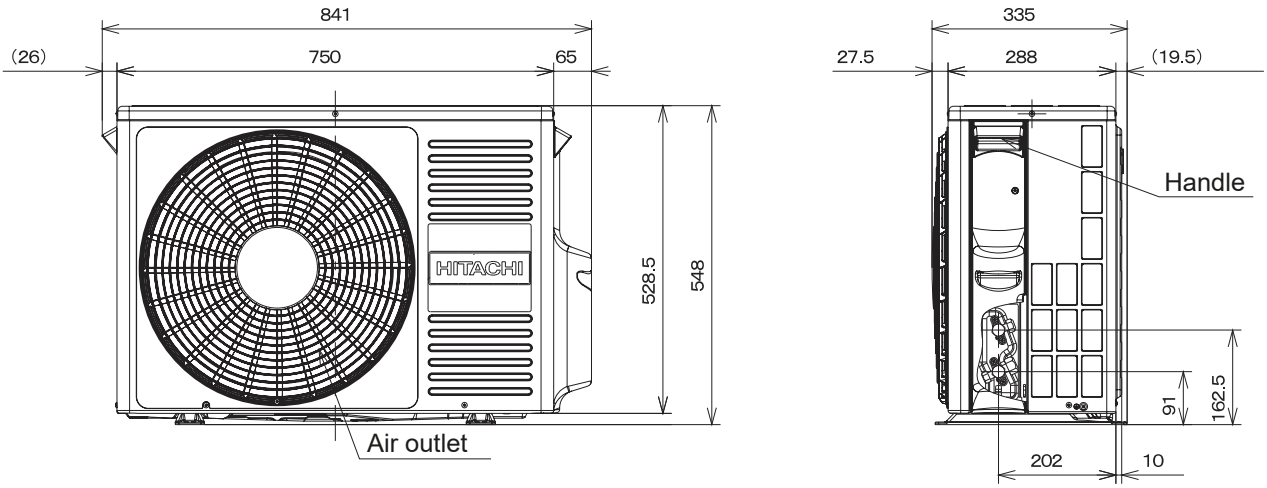
* Sections given for reference purposes only. Compliant with the applicable electrical standards.

Yutampo R32 - Prepare your construction site

1. How much space do I need for my tank?



2. How much space do I need for my outdoor unit?



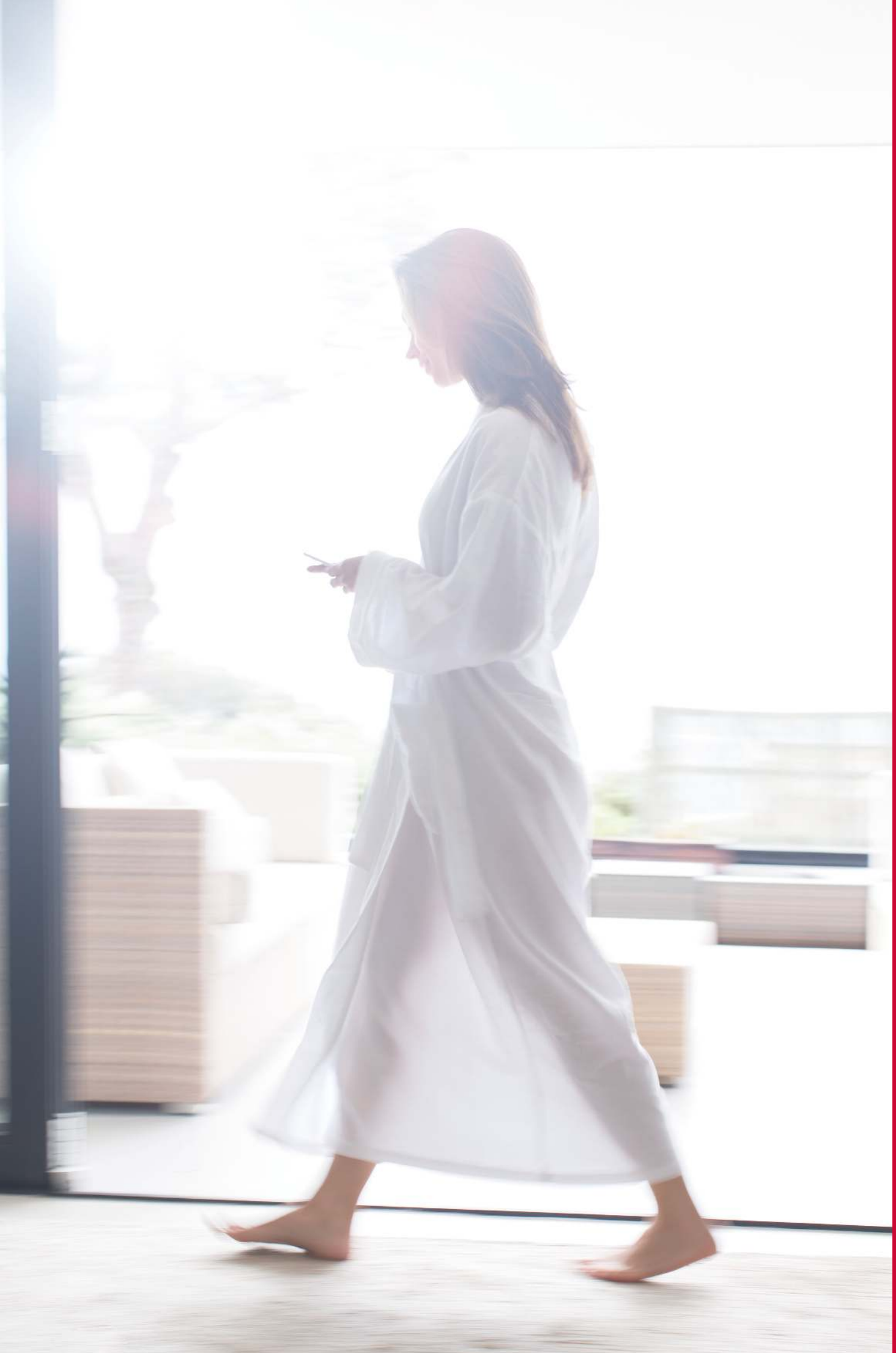
3. Which hydraulic and cooling connections are required?

Hydraulic features	Unit	
DHW connections	inches	3/4" M
Cooling properties		
FLARE cooler connections	inches	1/4" - 3/8"

4. Which electrical connection should I provide?

Please note that these sections and guards are provided for intensities with electrical resistances. Data provided as a guide, please refer to the applicable electrical standard.

Electrical connections	Unit	3 options		
Power supply	-	By the tank	By the unit	Shared tank + power unit
Max. current	A	7.4	7.9	15.4
Cable section (mm²) / max. length (m)	-	3G1.5 / 20	3G1.5 / 20	3G4 / 20
Indoor/Outdoor connection (protected)	mm²	3 x 0.75	3 x 0.75	3 x 0.75
Protection	A	10	10	20





Quick selection table

airHome Triple C

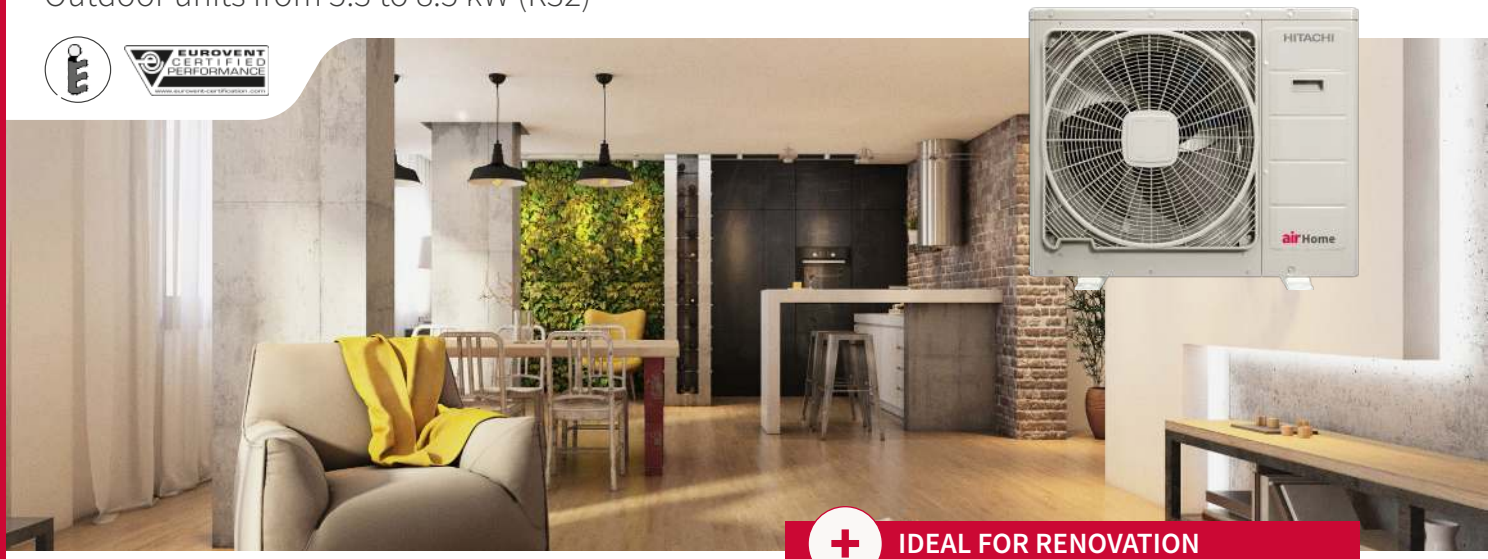
Outdoor units	RAM-Y53N3HAE	RAM-Y70N4HAE	RAM-Y85N5HAE
			
Nominal cooling capacity	5.3 kW	7.0 kW	8.5 kW
Energy class (D to A+++; Cooling/Heating)	**A++/A++**	**A++/A++**	**A++/A+**
Number of outputs	3 = 2 indoor units + 1 tank	4 = 3 indoor units + 1 tank	5 = 4 indoor units + 1 tank
Max. length of pipework	L1 + L2 + L3 = 60 m	L1 + L2 + L3 + L4 = 60 m	L1 + L2 + L3 + L4 + L5 = 75 m

Compatible thermodynamic tanks	Triple C R32 190 L	Triple C R32 270 L
	 TAW-190RHD	 TAW-270RHD
Capacity	190 L	270 L
Heating time (minimum)	2h10	2h45
Footprint	59.7 x 52 cm **Can fit inside 60 x 60 cm.**	68.1 x 60 cm

	Wall units			Console	Ducted units				Cassette
	airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted		airHome Ducted Slim		airHome Cassette
					Low pressure up to 90 Pa	High pressure up to 150 Pa	Low pressure up to 50 Pa	High pressure up to 150 Pa	
			NEW	NEW			NEW	NEW	NEW
									
Compatible indoor units	RAK-DJ-QHAE ; RAK-DJ-RHAE	RAK-VJ-QHAE ; RAK-VJ-RHAE	RAK-XJ-QHBE(G) ; RAK-XJ-RHBE(G)	RAF-XJ-RHAE	RAD-DJ-QHAE	RAD-DJ-QHAE	RAD-VJ-QHAE ; RAD-VJ-RHAE	RAD-VJ-RHAE	RAI-VJ-RHAE
1.5 kW	•	•	-	-	-	-	-	-	-
1.8 kW	-	-	•	-	•	-	•	-	-
2.0 kW	•	•	-	-	-	-	-	-	-
2.5 kW	•	•	•	•	•	-	•	-	•
3.5 kW	•	•	•	•	•	-	•	-	•
4.2 kW	-	•	-	-	-	-	-	-	-
5.0 kW	•	•	•	•	-	•	-	•	•
6.0 kW	•	•	-	-	-	•	-	•	•
7.0 kW	•	•	-	-	-	•	-	•	-

airHome Triple C : Thermodynamic Multi-Splitswater heater

Outdoor units from 5.3 to 8.5 kW (R32)



IDEAL FOR RENOVATION

Offer an air-to-air heat pump with DHW and a single outdoor unit.

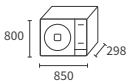
- For your all-electric renovation projects
- For social landlords

FOR ENERGY COST SAVINGS

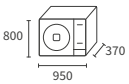
- Programming of the thermodynamic tank
- Programming of air-to-air units via the airCloud Go app or via infrared or wired remote controls
- Energy-saving mode and presence detector on certain models of air-to-air units

Outdoor units





RAM-Y53N3HAE
RAM-Y70N4HAE



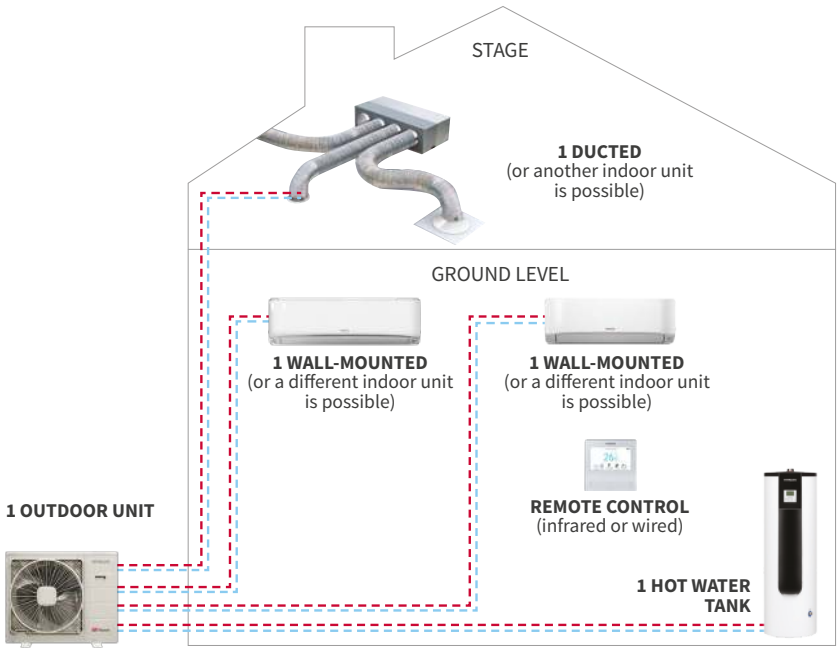
RAM-Y85N5HAE

Compatible accessory



H-Link outdoor unit control box
Model: **SPX-RAMHLK**

A unique concept on the market



Example of installation

airHome Triple C: Outdoor units

Outdoor units	Unit	RAM-Y53N3HAE	RAM-Y70N4HAE	RAM-Y85N5HAE
Performance, cooling				
Nominal power (min. - max.)	kW	5.30 (1.50 - 6.60)	7.00 (1.50 - 8.80)	8.50 (1.50 - 9.50)
Nominal power consumption (min. - max.)	kW	1.29 (0.46 - 2.96)	2.05 (0.46 - 3.20)	2.56 (0.50 - 3.85)
EER	-	4.10	3.41	3.31
Energy class (D to A+++)	-	A++		A+
SEER (average climate)	-	**7.60**	**7.40**	**7.30**
Operating range	°C	-10°C /+ 46°C		
Performance, heating				
Nominal power (min. - max.)	kW	6.80 (1.50 - 7.20)	8.50 (1.50 - 9.50)	10.00 (1.50 - 11.50)
Nominal power consumption (min. - max.)	kW	1.61 (0.43 - 2.60)	2.02 (0.48 - 3.12)	2.56 (0.50 - 3.85)
Capacity at full load at -7°C [1]	kW	5.50	6.50	7.80
COP	-	4.20		3.90
Energy class (D to A+++)	-	A++		A+
SCOP (average climate)	-	**4.60**		**4.30**
Operating range	°C	-15°C/+24°C		
Technical characteristics				
Number of connectible indoor units (excluding tanks) (min. - max.)	-	1 - 2	2 - 3	2 - 4
Sound pressure (Cooling / Heating)[2]	dB(A)	50 / 53		52 / 56
Sound power	dB(A)	61	63	66
Airflow (Cooling/Heating)	m^3/h	2340 / 2100		3900 / 3900
Dimensions (HxLxD)	mm	800 x 850 (957)[3] x 298		800 x 950 x 370
Net weight	kg	56	57	76
Compressor	-	2-cylinder rotary		
Cooling properties				
Diameter of pipes (Liq - Gas)	inches	(1/4"x3) - (3/8"x3)	(1/4"x4) - (3/8"x3 + 1/2"x1)	(1/4"x5) - (3/8"x3 + 1/2"x2)
Initial refrigerant fill	kg	2.00		2.10
Preloaded for	m	30		35
Minimum length of refrigerated connections.	m	3		
Maximum length of refrigerated links. / Refrigerant refill	m / g/m	60/20		75 / 15
Max. drop	m	20 (indoor units) / 10 (tank)		
Refrigerant	-	R32		
Electrical features				
Power supply	V / Ph / Hz	220-230V/1Ph/50 Hz		
Operating current (Cooling/Heating)	A	11.30 / 12.50	12.70 / 12.90	15.10 / 15.80
Cable section	mm^2	2.50 x 2 + GROUND		
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND		

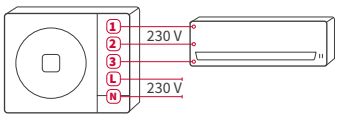
Data for certified models is listed in the Eurovent Directory.
[1] Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.
* DHW = Domestic Hot Water

Retail price per unit excluding taxes

Outdoor units	RAM-Y53N3HAE	RAM-Y70N4HAE	RAM-Y85N5HAE

Caution
The power recovered from each indoor unit depends on the outdoor unit, the selected combination, the piping length, and the outside temperature.
The total power cannot exceed the power of the unit: Refer to the combination table. To make a well-informed selection, refer to our technical documentation.

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



Stainless steel thermodynamic tank Triple C

190 L or 270 L (R32)



FAST HEATING

Hot water available in the time it takes to watch a movie.

	190 L	270 L
COP	3.1	3.2
HEATING TIME	2H10	2H45

COMPACTNESS

Fits in any cupboard or kitchen unit.

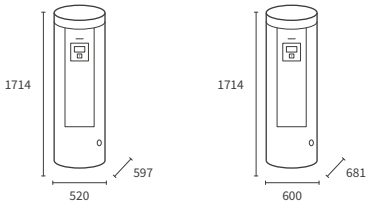


THE + OF 190 L
Can fit inside 60 x 60 cm.

CONNECTIVITY

- Optional Wi-Fi connection available via the SPX-WFG05 gateway, with connection cable included, for remote control via the airCloud Go app.

Tanks



TAW-190RHD TAW-270RHD

Compatible controls and accessories

Controls



airCloud Go gateway
Model: **SPX-WFG05**
Available in early 2026
NEW



CSNET Home gateway
Model: **ATW-IOT-01**



Modbus communication interface
Model: **ATW-MBS-02**



KNX communication interface
Model: **ATW-KNX-02**



Input/output connector cables
Model: **ATW-OFC-02**



H-Link adapter (for connection to Modbus, KNX)
Model: **ATW-HCD-01**

Hydraulic accessory



Titanium active anode
Model: **ATW-CP-05**

Triple C R32 tanks	Unit	TAW-190RHD	TAW-270RHD
Capacity	l	190	270
Declared load profile	-	L	XL
ECS* connections	Inches	3/4 M	
Refrigerant pipe diameter (Liq - Gas)	Inches	1/4" - 3/8"	
DHW temperature* without backup (with backup)	°C	55 (75)	
COPt DHW* [1]	-	3.03 [3] / 2.72 [4]	3.20 [3] / 2.90 [4]
Time required for temperature to rise [1]	-	2h20 [3] / 2h10 [4]	3h10 [3] / 2h45 [4]
Maximum usable hot water volume [1]	l	256 / 286	360 / 408
RES (Reserve Electric Power) [1] [2]	W	26 [3] / 27 [4]	26 [3] / 29 [4]
Seasonal energy efficiency nwh	%	126 [3] / 110 [4]	130 [3] / 117 [4]
Water heating energy efficiency class (F to A+)	-	A+ [3] / A [4]	
Tank dimensions (H x Ø x D)	mm	1714 x 520 x 597	1714 x 600 x 681
Net weight	kg	53	62
Tank material	-	DUPLEX Stainless Steel	

[1] Value obtained with an air temperature of 7°C and a cold water temperature of 10°C, according to standard EN 16147:2017, with a 5 m length of refrigerant piping, without any difference in height.
[2] Power consumption without hot water supply. [3] Combination with a RAM-Y53N3HAE or RAM-Y70N4HAE. [4] Combination with a RAM-Y85N5HAE.
* DHW = Domestic Hot Water

Retail price per unit excluding taxes

Triple C R32 Tanks (Controller included)	TAW-190RHD	TAW-270RHD

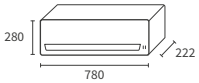
Wall units

airHome 400

1.5 to 7.1 kW (R32)

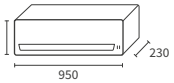


Indoor units



RAK-DJ15QHAE
RAK-DJ18RHAE
RAK-DJ25RHAE

RAK-DJ35RHAE
RAK-DJ50RHAE



RAK-DJ60RHAE
RAK-DJ70RHAE

Indoor units	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)
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [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 in Heating mode (very low/low/medium/high/very high speed) [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	dB(A)	51		54	57	60		62
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	204/255/384/431/545		204/255/394/513/620	204/302/446/608/653	265/360/528/608/663	360/510/700/940/1000	
Dehumidification	l/h	1.2		1.4	1.6	2.0	2.8	4.8
Dimensions (HxLxD)	mm	280 x 780 x 222					294 x 950 x 230	
Net weight	kg	7.7				8.4	10.5	
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"					1/4" - 1/2"	1/4" - 5/8"
Condensate pipe diameter (out)	mm	16						
Power supply	V	220-230V						
Cable section	mm^2	1.50 x 3 + GROUND						
Infrared remote control	-	RC-AGU1EA0G (included)						

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

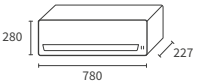
Retail price per unit excluding taxes	RAK-DJ15QHAE	RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE	RAK-DJ60RHAE	RAK-DJ70RHAE
Indoor unit Infrared remote control included							

airHome 600

1.5 to 7.0 kW (R32)

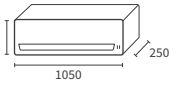


Indoor units



RAK-VJ15QHAE
RAK-VJ18RHAE
RAK-VJ25RHAE

RAK-VJ35RHAE
RAK-VJ42RHAE
RAK-VJ50RHAE



RAK-VJ60RHAE
RAK-VJ70RHAE

Indoor units	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)
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [1]	dB(A)	21/24/33/35/37		22/24/33/38/40	25/26/36/41/43	25/28/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [1]	dB(A)	19/22/33/36/38		20/23/34/39/41	26/27/36/42/44	27/31/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound power	dB(A)	51		54	57	60			63
Airflow in Cooling mode (very low/low/medium/high speed)	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	2.0	2.8	4.8
Dimensions (HxLxD)	mm	280 x 780 x 227						294 x 1050 x 250	
Net weight	kg	8.6				8.8		12.5	
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"				1/4" - 1/2"			1/4" - 5/8"
Condensate pipe diameter (out)	mm	16							
Power supply	V	220-230V							
Cable section	mm^2	1.50 x 3 + GROUND							
Infrared remote control	-	RC-AGS1EA0E (included)							

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

Retail price per unit excluding taxes	RAK-VJ15QHAE	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE
Indoor unit Infrared remote control included								

Compatible controls and accessories

Infrared controls



Standard infrared remote control
Model: **RC-AGU1EA0G**
Included for the airHome 400



Standard infrared remote control
Model: **RC-AGS1EA0E**
Included for the airHome 600

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



Multi-indoor unit control box
Refs. : **SPX-DST1 + SPX-WDST8M**

5 m shielded standard cable
Model: **SPX-WKT5MS**

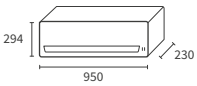
airHome 800

1.8 to 5.0 kW (R32)

NEW



Indoor units



RAK-XJ18QHBE(G)
RAK-XJ25RHBE(G)
RAK-XJ35RHBE(G)
RAK-XJ50RHBE(G)

Compatible controls and accessories

Infrared control



Standard infrared remote control
Model: **RC-BGH1FA0G**
Included

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Indoor units	White / Gray	Unit	RAK-XJ18QHBE / RAK-XJ18QHBEG	RAK-XJ25RHBE / RAK-XJ25RHBEG	RAK-XJ35RHBE / RAK-XJ35RHBEG	RAK-XJ50RHBE / RAK-XJ50RHBEG
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)
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [1]		dB(A)	21/27/33/40/43		21/29/34/41/44	25/31/38/43/46
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [1]		dB(A)	21/28/34/40/44		21/29/35/41/45	25/31/39/44/48
Sound power		dB(A)	57		58	60
Airflow in Cooling mode (very low/low/medium/high speed)		m^3/h	230/300/420/590/680		230/325/485/650/720	260/350/510/680/740
Dehumidification		l/h	-	1.4	1.6	2.0
Dimensions (HxLxD)		mm	294 x 950 x 244			
Net weight		kg	11.5			
Diameter of pipes (Liq - Gas)		inches	1/4" - 3/8"			1/4" - 1/2"
Condensate pipe diameter (out)		mm	16			
Power supply		V	220-230V			
Cable section		mm^2	1.50 x 3 + GROUND			
Infrared remote control		-	RC-BGH1FA0G (included)			

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

Retail price per unit excluding taxes	RAK-XJ18QHBE(G)	RAK-XJ25RHBE(G)	RAK-XJ35RHBE(G)	RAK-XJ50RHBE(G)
Indoor unit Infrared remote control included				

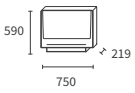
airHome Floor

2.5 to 5.0 kW (R32)

NEW



Indoor units



RAF-XJ25RHAE
RAF-XJ35RHAE
RAF-XJ50RHAE

Compatible controls and accessories

Infrared control



Standard infrared remote control
Model: **RC-BGH1FA0E**
Included

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1**+ Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Leakage sensor

Leakage sensor
Model: **RAF-FJ07QHAA012**

Indoor units	Unit	RAF-XJ25RHAE	RAF-XJ35RHAE	RAF-XJ50RHAE
Nominal Cooling capacity (min. - max.)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Nominal Heating capacity (min. - max.)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) [1]	dB(A)	20/26/31/36/38	20/26/31/37/39	24/29/36/41/43
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) [1]	dB(A)	20/26/31/36/38	20/26/31/37/39	27/29/36/42/44
Sound power	dB(A)	52	53	57
Airflow in Cooling mode (very low/low/medium/ high speed)	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 (HxLxD)	mm	590 x 750 x 219		
Net weight	kg	15		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"
Condensate pipe diameter (out)	mm	16		
Power supply	V	220-230V		
Cable section	mm^2	1.50 x 3 + GROUND		
Infrared remote control	-	RC-BGH1FA0E (included)		

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

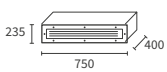
Retail price per unit excluding taxes	RAF-XJ25RHAE	RAF-XJ35RHAE	RAF-XJ50RHAE
Indoor unit (Infrared remote control included)			

airHome Ducted

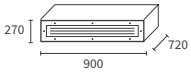
1.8 to 7.0 kW (R32)



Indoor units



RAD-DJ18QHAE
RAD-DJ25QHAE
RAD-DJ35QHAE



RAD-DJ50QHAE
RAD-DJ60QHAE
RAD-DJ70QHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKD800**



airCloud Go gateway
Model: **SPX-WFG03**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



1-1 KNX gateway
Model: **AZAI6KNXHT2**

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Other accessories

Remote sensor
Model: **SPX-RTH2**

Plenums
Please contact your sales representative or Airzone distributor.

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)	7.00 (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)	8.00 (1.50 - 8.50)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) [1]	dB(A)	30/33/37/39/41			29/32/35/37/39		
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) [1]	dB(A)	30/34/38/40/42			29/32/35/38/40		
Sound power	dB(A)	57			55		57
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	330/390/450/480/510			350/540/800/970/1140		
Static pressure (low/medium/high speed)	Pa	-/-/90			50/100/150		
Dehumidification	l/h	-	1.4	1.6	2.8		4.8
Dimensions (HxLxD)	mm	235 x 750 x 400 (525) [2]			270 x 900 (995) [2] x 720		
Net weight	kg	16			35		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	16					
Condensate pump	-	Included					
Power supply	V	220-230V					
Cable section	mm^2	1.50 x 3 + GROUND					
Wired remote control	-	SPX-URFG1					

[1] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[2] Dimensions with refrigeration connection.

Retail price per unit excluding taxes	RAD-DJ18QHAE	RAD-DJ25QHAE	RAD-DJ35QHAE	RAD-DJ50QHAE	RAD-DJ60QHAE	RAD-DJ70QHAE
Indoor unit (Remote control NOT included)						
Wired remote control SPX-URFG1						
Price for whole set Indoor unit + wired remote control						

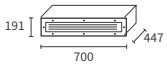
airHome Ducted Slim

NEW

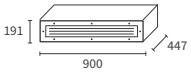
1.8 to 7.0 kW (R32)



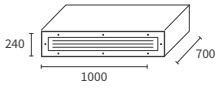
Indoor units



RAD-VJ18QHAE
RAD-VJ25RHAE



RAD-VJ35RHAE



RAD-VJ50RHAE
RAD-VJ60RHAE
RAD-VJ70RHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKD800**



airCloud Go gateway
Model: **SPX-WFG03**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



1-1 KNX gateway
Model: **AZAI6KNXHT2**

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Other accessories

Remote sensor
Model: **SPX-RTH2**

Plenums
Please contact your sales representative or Airzone distributor.

Indoor units	Unit	RAD-VJ18QHAE	RAD-VJ25RHAE	RAD-VJ35RHAE	RAD-VJ50RHAE	RAD-VJ60RHAE	RAD-VJ70RHAE
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 (1.90 - 5.80)	6.00 (1.90 - 6.50)	7.00 (1.90 - 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 (1.90 - 6.80)	7.00 (1.90 - 7.50)	8.00 (1.90 - 8.50)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) [1]	dB(A)	28/32/35/37/40	28/32/35/37/40	28/32/35/38/40	29/32/35/37/39	29/32/35/37/39	29/32/35/37/39
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) [1]	dB(A)	28/32/35/37/40	28/32/35/37/40	28/32/35/38/41	29/32/35/38/40	29/32/35/38/40	29/32/35/38/40
Sound power	dB(A)	54			55		57
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	380/450/510/550/670		430/510/610/690/820	540/720/840/960/1200		
Static pressure (low/medium/high speed)	Pa	25 / 50			50/100/150		
Dehumidification	l/h	2.8					4.8
Dimensions (HxLxD)	mm	191 × 700 (730) [2] × 447		191 × 910 (940) [2] × 447	240 x 1000 (1036) [2] x 700		
Net weight	kg	16		19	35		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	37					
Condensate pump	-	Included					
Power supply	V	220-230V					
Cable section	mm^2	1.50 x 3 + GROUND					
Wired remote control	-	SPX-URFG1					

[1] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[2] Dimensions with refrigeration connection.

Retail price per unit excluding taxes	RAD-VJ18QHAE	RAD-VJ25RHAE	RAD-VJ35RHAE	RAD-VJ50RHAE	RAD-VJ60RHAE	RAD-VJ70RHAE
Indoor unit (Remote control NOT included)						
Wired remote control SPX-URFG1						
Price for whole set Indoor unit + wired remote control						

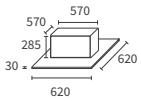
air Home Cassette

NEW

600 x 600
2.5 to 6.0 kW (R32)



Indoor units



RAI-VJ25RHAE
RAI-VJ35RHAE
RAI-VJ50RHAE
RAI-VJ60RHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKC800**



airCloud Go gateway
Model: **SPX-WFG03**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



1-1 KNX gateway
Model: **AZAI6KNXHT2**

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Indoor units	Unit	RAI-VJ25RHAE	RAI-VJ35RHAE	RAI-VJ50RHAE	RAI-VJ60RHAE
Nominal Cooling capacity (min. - max.)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.80)	6.00 (1.90 - 6.50)
Nominal Heating capacity (min. - max.)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.90 - 6.80)	7.00 (1.90 - 8.00)
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [1]	dB(A)	27/31/34/36/38	27/33/36/38/40	29/35/39/43/44	29/35/39/44/45
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [1]	dB(A)	27/32/34/36/38	27/33/37/39/41	30/36/40/45/47	30/36/42/45/47
Sound power	dB(A)	51	54	56	58
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	330/420/460/500/540	330/420/490/540/600	430/550/640/730/780	430/600/700/860/910
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (HxLxD)	mm	285 x 570 x 570			
Panel dimensions (HxLxD)		30 x 620 x 620			
Net weight of box	kg	17			
Panel net weight	kg	2.8			
Panel reference	-	P-AP56NAMS			
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"	
Condensate pipe diameter (out)	mm	32			
Condensate pump	-	Included			
Power supply	V	220-230V			
Cable section	mm^2	1.50 x 3 + GROUND			
Wired remote control	-	SPX-URFG1			

[1] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).

Retail price per unit excluding taxes

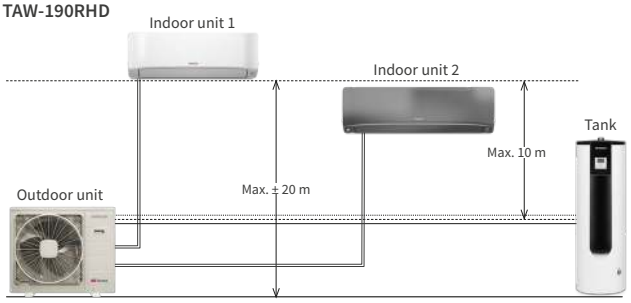
	RAI-VJ25RHAE	RAI-VJ35RHAE	RAI-VJ50RHAE	RAI-VJ60RHAE
Indoor unit (Remote control NOT included)				
Cassette panel	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
Wired remote control SPX-URFG1				
Price for whole set Indoor unit + facade + wired remote control				

RAM-Y53N3HAE - Prepare your construction site

Length & height difference RAM-Y53N3HAE

Indoor unit 1 + Indoor unit 2 + Tank =
Max. 60 m

Example of configuration: RAM-Y53N3HAE + RAK-DJ15QHAE + RAK-XJ35RHBEG + TAW-190RHD



Specific installation requirements for the RAM-Y53N3HAE outdoor unit

- Preloaded for **30 m**.
- Provide an additional **20 g/m** from 30 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.
- Connection diameter for refrigeration pipework: **1/4'' x3 / 3/8'' x3**

Specific features of air-to-air heat pump installation

- Maximum pipe length between a unit and the OU: **25 m**
- Maximum pipe height difference between a unit and the OU: **20 m**
- Maximum pipework height between the highest unit and the tank: **10 m***

Specific features of tank installation

- Maximum pipework length between the tank and the OU: **20 m**
- Maximum pipework height difference between the tank and the OU: **10 m**
- The tank connections are 0.6 m above the ground.
- Maximum pipework height between the highest unit and the tank: **10 m***

Air-to-air indoor unit combinations

			COOLING MODE					HEATING MODE				
	Combinations		Power of the unit (kW)		Total power (kW)	Total power input (W)	EER	Power of the unit (kW)		Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)	15	-	1.50	-	1.50 (1.50 - 1.70)	430 (460 - 480)	3.49	2.00	-	2.00 (1.50 - 2.20)	550 (430 - 850)	3.64
	18	-	2.00	-	1.80 (1.70 - 2.00)	495 (460 - 500)	3.64	2.50	-	2.50 (2.00 - 3.00)	680 (430 - 1100)	3.68
	25	-	2.50	-	2.50 (1.70 - 2.80)	700 (460 - 720)	3.57	3.40	-	3.40 (2.00 - 4.00)	1070 (430 - 1600)	3.18
	35	-	3.50	-	3.50 (1.70 - 3.90)	1030 (460 - 1130)	3.40	4.30	-	4.30 (2.00 - 5.20)	1420 (430 - 1820)	3.03
	42 (1)	-	4.20	-	4.20 (1.70 - 4.60)	1295 (460 - 1660)	3.24	5.20	-	5.20 (2.00 - 6.50)	1510 (430 - 2010)	3.44
	50 (1)	-	5.00	-	5.00 (1.70 - 5.50)	1480 (460 - 1660)	3.38	6.50	-	6.50 (2.00 - 7.20)	2010 (430 - 2010)	3.23
	60 (1)	-	6.00	-	5.30 (1.70 - 6.60)	1550 (460 - 1660)	3.42	7.50	-	6.80 (2.00 - 7.20)	2010 (430 - 2010)	3.38
2 indoor units (air/air)	15	15	1.50	1.50	3.00 (2.40 - 3.50)	870 (460 - 980)	3.45	2.00	2.00	4.00 (2.70 - 4.50)	1030 (500 - 1140)	3.88
	15	18	1.50	1.80	3.30 (2.40 - 3.80)	950 (460 - 1000)	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)	1230 (460 - 1300)	3.25	2.00	3.40	5.40 (2.70 - 5.90)	1430 (500 - 1584)	3.78
	15	35	1.50	3.50	5.00 (2.40 - 5.50)	1450 (460 - 1450)	3.45	2.00	4.30	6.30 (2.70 - 6.80)	1670 (500 - 1860)	3.77
	15	42 (1)	1.40	4.10	5.30 (2.40 - 7.00)	1580 (460 - 1660)	3.35	1.90	4.90	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	15	50 (1)	1.30	4.20	5.30 (2.40 - 6.60)	1635 (460 - 1660)	3.24	1.60	5.20	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	18	18	1.80	1.80	3.60 (2.40 - 4.00)	1020 (460 - 1020)	3.53	2.50	2.50	5.00 (2.70 - 6.90)	1300 (500 - 1710)	3.85
	18	25	1.80	2.50	4.30 (2.40 - 4.70)	1200 (460 - 1360)	3.58	2.50	3.40	5.90 (2.70 - 7.20)	1530 (500 - 1990)	3.86
	18	35	1.80	3.50	5.30 (2.40 - 5.80)	1290 (460 - 1660)	4.08	2.50	4.30	6.80 (2.70 - 7.20)	1800 (500 - 2010)	3.78
	18	42 (1)	1.70	3.90	5.30 (2.40 - 5.80)	1620 (460 - 1660)	3.27	2.20	4.60	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	25	25	2.50	2.50	5.00 (2.40 - 5.50)	1480 (460 - 1660)	3.38	3.40	3.40	6.80 (2.70 - 7.20)	1800 (500 - 2010)	3.78
	25	35	2.30	3.20	5.30 (2.40 - 6.60)	1635 (460 - 1660)	3.24	3.00	3.80	6.80 (2.70 - 7.20)	1800 (500 - 2010)	3.78

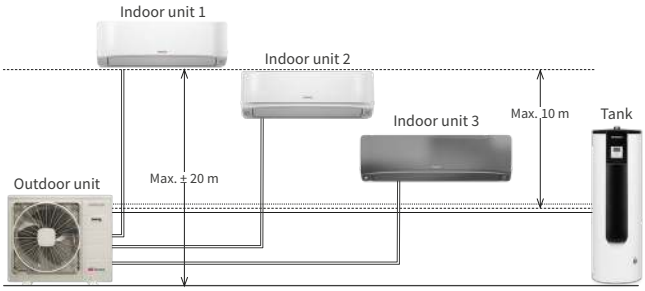
The total nominal cooling capacity must not exceed 8.5 kW.
(1) For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.
* For optimum performance of the outdoor unit, it is recommended to keep the height difference at or below 5 meters.

RAM-Y70N4HAE - Prepare your construction site

Length & height difference RAM-Y70N4HAE

Indoor unit 1 + Indoor unit 2 + Indoor unit 3 + Tank =
Max. 60 m

Example of configuration: RAM-Y70N4HAE + RAK-DJ15QHAE + RAK-VJ15QHAE + RAK-XJ35RHBEG + TAW-190RHD



Specific installation requirements for the RAM-Y70N4HAE outdoor unit

- Preloaded for **30 m**.
- Provide an additional **20 g/m** from 30 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.
- Connection diameter for refrigeration pipework: **1/4'' x4 / 3/8'' x3 + 1/2'' x1**

Specific features of air-to-air heat pump installation

- Maximum pipe length between a unit and the OU: **25 m**
- Maximum pipe height difference between a unit and the OU: **20 m**
- Maximum pipework height between the highest unit and the tank: **10 m***

Specific features of tank installation

- Maximum pipework length between the tank and the OU: **20 m**
- Maximum pipework height difference between the tank and the OU: **10 m**
- The tank connections are 0.6 m above the ground.
- Maximum pipework height between the highest unit and the tank: **10 m***

Air-to-air indoor unit combinations

	Combinations			COOLING MODE						HEATING MODE					
				Power of the unit (kW)			Total power (kW)	Total power input (W)	EER	Power of the unit (kW)			Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)	
2 indoor units (air/air)	15	15	-	1.50	1.50	-	3.00 (2.40 - 3.50)	908 (500 - 1400)	3.30	2.00	2.00	-	4.00 (2.70 - 4.50)	1060.5 (500 - 1140)	3.77
	15	18	-	1.50	1.80	-	3.30 (2.40 - 3.80)	991 (500 - 1600)	3.33	2.00	2.50	-	4.50 (2.70 - 5.00)	1191.8 (500 - 1416)	3.78
	15	25	-	1.50	2.50	-	4.00 (2.40 - 4.50)	1283 (500 - 1650)	3.12	2.00	3.40	-	5.40 (2.70 - 5.90)	1444.3 (500 - 1584)	3.74
	15	35	-	1.50	3.50	-	5.00 (2.40 - 5.50)	1513 (500 - 1660)	3.30	2.00	4.30	-	6.30 (2.70 - 6.80)	1686.7 (500 - 1860)	3.74
	15	42 (1)	-	1.50	4.20	-	5.70 (2.40 - 7.00)	1648 (500 - 2300)	3.46	2.00	5.20	-	7.20 (2.70 - 8.00)	1838.2 (500 - 2560)	3.92
	15	50 (1)	-	1.50	5.00	-	6.50 (2.40 - 7.00)	1732 (500 - 2300)	3.75	2.00	6.50	-	8.50 (2.70 - 9.00)	2121 (500 - 2760)	4.01
	15	60 (1)	-	1.40	5.60	-	7.00 (2.40 - 7.00)	1826 (500 - 2300)	3.83	1.80	6.70	-	8.50 (2.70 - 10.00)	2171.5 (500 - 2760)	3.91
	15	70 (1)	-	1.20	5.80	-	7.00 (2.40 - 7.00)	2000 (500 - 2300)	3.50	1.70	6.80	-	8.50 (2.70 - 10.00)	2280 (500 - 2760)	3.73
	18	18	-	1.80	1.80	-	3.60 (2.40 - 4.00)	1064 (500 - 1660)	3.38	2.50	2.50	-	5.00 (2.70 - 6.90)	1313 (500 - 1710)	3.81
	18	25	-	1.80	2.50	-	4.30 (2.40 - 4.70)	1252 (500 - 1660)	3.43	2.50	3.40	-	5.90 (2.70 - 7.70)	1747.3 (500 - 1990)	3.38
	18	35	-	1.80	3.50	-	5.30 (2.40 - 5.80)	1530 (500 - 1660)	3.46	2.50	4.30	-	6.80 (2.70 - 8.50)	1818 (500 - 2320)	3.74
	18	42 (1)	-	1.80	4.20	-	6.00 (2.40 - 5.80)	1690 (500 - 2300)	3.55	2.50	5.20	-	7.70 (2.70 - 9.50)	1868.5 (500 - 2880)	4.12
	18	50 (1)	-	1.80	5.00	-	6.80 (2.40 - 7.50)	1830 (500 - 2300)	3.72	2.40	6.10	-	8.50 (2.70 - 9.50)	2121 (500 - 2880)	4.01
	18	60 (1)	-	1.60	5.40	-	7.00 (2.40 - 8.50)	2080 (500 - 2300)	3.37	2.10	6.40	-	8.50 (2.70 - 9.50)	2171.5 (500 - 2880)	3.91
	18	70 (1)	-	1.40	5.60	-	7.00 (2.40 - 8.50)	2000 (500 - 2300)	3.50	2.00	6.50	-	8.50 (2.70 - 9.50)	2280 (500 - 2880)	3.73
	25	25	-	2.50	2.50	-	5.00 (2.40 - 5.50)	1544 (500 - 2300)	3.24	3.40	3.40	-	6.80 (2.70 - 8.50)	1818 (500 - 2250)	3.74
	25	35	-	2.50	3.50	-	6.00 (2.40 - 6.60)	1711 (500 - 2300)	3.51	3.40	4.30	-	7.70 (2.70 - 9.20)	1949.3 (500 - 2590)	3.95
	25	42 (1)	-	2.50	4.20	-	6.70 (2.40 - 6.60)	2050 (500 - 2300)	3.27	3.40	5.10	-	8.50 (2.70 - 9.20)	1949.3 (500 - 3110)	4.36
	25	50 (1)	-	2.30	4.70	-	7.00 (2.40 - 7.00)	2050 (500 - 2300)	3.41	2.90	5.60	-	8.50 (2.70 - 9.50)	2121 (500 - 3110)	4.01
	25	60 (1)	-	2.10	4.90	-	7.00 (2.40 - 8.80)	2080 (500 - 2300)	3.37	2.70	5.80	-	8.50 (2.70 - 9.50)	2171.5 (500 - 3110)	3.91
	35	35	-	3.50	3.50	-	7.00 (2.40 - 7.70)	2055 (500 - 2300)	3.41	4.30	4.30	-	8.50 (2.70 - 9.50)	2020 (500 - 2860)	4.21
	35	42 (1)	-	3.20	3.80	-	7.00 (2.40 - 7.70)	2055 (500 - 2300)	3.41	3.80	4.70	-	8.50 (2.70 - 9.50)	1949.3 (500 - 3120)	4.36
	42 (1)	42 (1)	-	3.50	3.50	-	7.00 (2.40 - 8.80)	2055 (500 - 3200)	3.41	4.30	4.30	-	8.50 (2.70 - 9.50)	2121 (500 - 3120)	4.01

At least two indoor units must be connected. The total nominal cooling capacity must not exceed 11 kW.
(1) For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.
* For optimum performance of the outdoor unit, it is recommended to keep the height difference at or below 5 meters.

	Combinations			COOLING MODE						HEATING MODE					
				Power of the unit (kW)			Total power (kW)	Total power input (W)	EER	Power of the unit (kW)			Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	15	15	15	1.50	1.50	1.50	4.50 (2.70 - 5.00)	1460 (5100 - 2300)	3.08	2.00	2.00	2.00	6.00 (2.90 - 6.50)	1807.9 (520 - 1848)	3.32
	15	15	18	1.50	1.50	1.80	4.80 (2.70 - 5.30)	1544 (5100 - 2300)	3.11	2.00	2.00	2.50	6.50 (2.90 - 7.00)	1818 (520 - 2160)	3.58
	15	15	25	1.50	1.50	2.50	5.50 (2.70 - 6.00)	1732 (5100 - 2300)	3.18	2.00	2.00	3.40	7.40 (2.90 - 7.90)	1949.3 (520 - 2412)	3.80
	15	15	35	1.50	1.50	3.50	6.50 (2.70 - 7.00)	1732 (510 - 2678)	3.75	2.00	2.00	4.30	8.30 (2.90 - 8.80)	1999.8 (520 - 2904)	4.15
	15	15	42 [1]	1.50	1.50	4.10	7.00 (2.70 - 8.50)	2032 (510 - 2676)	3.44	1.80	1.80	4.80	8.50 (2.90 - 9.50)	2030.1 (520 - 1848)	4.19
	15	15	50 [1]	1.30	1.30	4.40	7.00 (2.70 - 8.50)	2060 (510 - 2950)	3.40	1.60	1.60	5.30	8.50 (2.90 - 9.50)	2171.5 (520 - 1848)	3.91
	15	18	18	1.50	1.80	1.80	5.10 (2.70 - 5.60)	1565 (510 - 2560)	3.26	2.00	2.50	2.50	7.00 (2.90 - 7.50)	1818 (520 - 2280)	3.85
	15	18	25	1.50	1.80	2.50	5.80 (2.70 - 6.30)	1659 (510 - 2560)	3.50	2.00	2.50	3.40	7.90 (2.90 - 8.40)	1969.5 (520 - 2616)	4.01
	15	18	35	1.50	1.80	3.50	6.80 (2.70 - 7.30)	2050 (510 - 2560)	3.32	1.90	2.40	4.20	8.50 (2.90 - 9.30)	1999.8 (520 - 1848)	4.25
	15	18	42 [1]	1.40	1.70	3.90	7.00 (2.40 - 7.00)	2060 (510 - 2560)	3.40	1.80	2.20	4.60	8.50 (2.90 - 9.50)	1999.8 (520 - 3120)	4.25
	15	18	50 [1]	1.30	1.50	4.20	7.00 (2.70 - 8.80)	2060 (510 - 2880)	3.40	1.50	1.90	5.00	8.50 (2.90 - 9.50)	2171.5 (520 - 3120)	3.91
	15	25	25	1.50	2.50	2.50	6.50 (2.70 - 7.00)	2060 (510 - 2560)	3.16	1.90	3.30	3.30	8.50 (2.90 - 9.30)	2250 (520 - 1848)	3.78
	15	25	35	1.40	2.30	3.30	7.00 (2.40 - 7.00)	2060 (510 - 2880)	3.40	1.80	3.00	3.80	8.50 (2.90 - 9.50)	2250 (520 - 1848)	3.78
	15	25	42 [1]	1.30	2.10	3.60	7.00 (2.70 - 8.80)	2060 (510 - 2880)	3.40	1.60	2.70	4.20	8.50 (2.90 - 9.50)	2250 (520 - 1848)	3.78
	15	35	35	1.20	2.90	2.90	7.00 (2.70 - 8.80)	2060 (510 - 2880)	3.40	1.60	3.40	3.40	8.50 (2.90 - 9.50)	2250 (520 - 3120)	3.78
	18	18	18	1.80	1.80	1.80	5.40 (2.70 - 8.80)	2060 (510 - 1780)	2.62	2.50	2.50	2.50	7.50 (2.90 - 9.10)	2250 (520 - 2440)	3.33
	18	18	25	1.80	1.80	2.50	6.10 (2.70 - 6.70)	2060 (510 - 2150)	2.96	2.50	2.50	3.40	8.40 (2.90 - 9.50)	2250 (520 - 2620)	3.73
	18	18	35	1.80	1.80	3.50	7.00 (2.70 - 7.80)	2060 (510 - 2310)	3.40	2.30	2.30	3.90	8.50 (2.90 - 9.50)	2250 (520 - 2740)	3.78
	18	18	42 [1]	1.60	1.60	3.80	7.00 (2.70 - 7.80)	2060 (510 - 3200)	3.40	2.10	2.10	4.30	8.50 (2.90 - 9.50)	2250 (520 - 3060)	3.78
	18	18	50 [1]	1.50	1.50	4.10	7.00 (2.70 - 8.80)	2060 (510 - 3200)	3.40	1.80	1.80	4.80	8.50 (2.90 - 9.50)	2250 (520 - 3060)	3.78
	18	25	25	1.80	2.50	2.50	6.80 (2.70 - 7.50)	2040 (510 - 2260)	3.33	2.30	3.10	3.10	8.50 (2.90 - 9.50)	2250 (520 - 2760)	3.78
	18	25	35	1.60	2.20	3.10	7.00 (2.70 - 8.60)	2060 (510 - 2660)	3.40	2.10	2.80	3.60	8.50 (2.90 - 9.50)	2250 (520 - 2880)	3.78
	18	25	42 [1]	1.50	2.10	3.50	7.00 (2.70 - 8.60)	2060 (510 - 3200)	3.40	1.90	2.60	4.00	8.50 (2.90 - 11.00)	2250 (520 - 3120)	3.78
	18	25	50 [1]	1.40	1.90	3.80	7.00 (2.70 - 8.80)	2060 (510 - 3200)	3.40	1.70	2.30	4.50	8.50 (2.90 - 9.50)	2250 (520 - 3120)	3.78
	18	25	60 [1]	1.20	1.70	4.10	7.00 (2.70 - 8.80)	2060 (510 - 3200)	3.40	1.60	2.20	4.80	8.50 (2.90 - 9.50)	2250 (520 - 3120)	3.78
	18	35	35	1.40	2.80	2.80	7.00 (2.70 - 8.80)	2060 (510 - 3200)	3.40	1.90	3.30	3.30	8.50 (2.90 - 9.50)	2250 (520 - 3060)	3.78
	25	25	25	2.30	2.30	2.30	7.00 (2.40 - 7.00)	2050 (510 - 3200)	3.41	2.80	2.80	2.80	8.50 (2.90 - 9.50)	2250 (520 - 2920)	3.78
	25	25	35	2.10	2.10	2.90	7.00 (2.70 - 8.80)	2060 (510 - 3200)	3.40	2.60	2.60	3.30	8.50 (2.90 - 9.50)	2250 (520 - 3070)	3.78

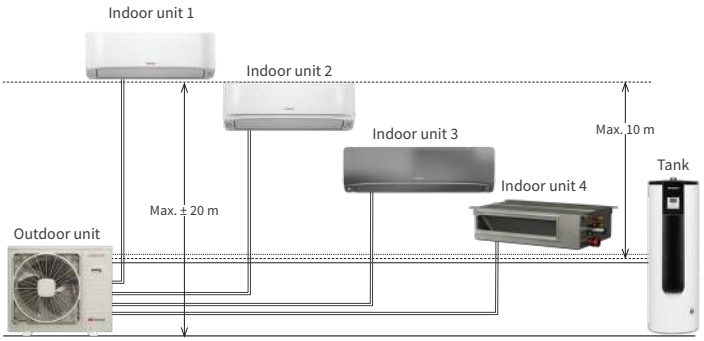
The total nominal cooling capacity must not exceed 11 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

RAM-Y85N5HAE - Prepare your construction site

Length & height difference RAM-Y85N5HAE

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

Example of configuration: RAM-Y85N5HAE + RAK-DJ15QHAE + RAK-VJ15QHAE + RAK-XJ25RHBEG + RAD-VJ50RHAE + TAW-190RHD



Specific installation requirements for the RAM-Y85N5HAE outdoor unit

- Preloaded for **35 m**.
- Provide an additional **15 g/m** from 35 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.
- Connection diameter for refrigeration pipework: **1/4'' x5 / 3/8'' x3 + 1/2'' x2**

Specific features of air-to-air heat pump installation

- Maximum pipe length between a unit and the OU: **25 m**
- Maximum pipe height difference between a unit and the OU: **20 m**
- Maximum pipework height between the highest unit and the tank: **10 m***

Specific features of tank installation

- Maximum pipework length between the tank and the OU: **20 m**
- Maximum pipework height difference between the tank and the OU: **10 m**
- The tank connections are 0.6 m above the ground.
- Maximum pipework height between the highest unit and the tank: **10 m***

Air-to-air indoor unit combinations

	Combinations				COOLING MODE							HEATING MODE						
					Power of the unit (kW)				Total power (kW)	Total power input (W)	EER	Power of the unit (kW)				Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)	
2 indoor units (air/air)	15	15	-	-	1.50	1.50	-	-	3.00 (2.40 - 3.50)	1300 (500 - 1000)	2.31	2.00	2.00	-	-	4.00 (2.70 - 4.50)	1100 (500 - 1140)	3.64
	15	18	-	-	1.50	1.80	-	-	3.30 (2.40 - 3.80)	1400 (500 - 1300)	2.36	2.00	2.50	-	-	4.50 (2.70 - 5.00)	1250 (500 - 1416)	3.60
	15	25	-	-	1.50	2.50	-	-	4.00 (2.40 - 4.50)	1400 (500 - 1250)	2.86	2.00	3.40	-	-	5.40 (2.70 - 5.90)	1400 (500 - 1584)	3.86
	15	35	-	-	1.50	3.50	-	-	5.00 (2.40 - 5.50)	1550 (500 - 1660)	3.23	2.00	4.30	-	-	6.30 (2.70 - 6.80)	1600 (500 - 1860)	3.94
	15	42[1]	-	-	1.50	4.20	-	-	5.70 (2.40 - 7.00)	1550 (500 - 1660)	3.68	2.00	5.20	-	-	7.20 (2.70 - 8.00)	1850 (500 - 2560)	3.89
	15	50[1]	-	-	1.50	5.00	-	-	6.50 (2.40 - 7.00)	1550 (500 - 1660)	4.19	2.00	6.50	-	-	8.50 (2.70 - 9.00)	2300 (500 - 2760)	3.70
	15	60[1]	-	-	1.50	6.00	-	-	7.50 (2.40 - 7.00)	2580 (500 - 1660)	2.91	2.00	7.50	-	-	9.50 (2.70 - 10.00)	2650 (500 - 2760)	3.58
	15	70[1]	-	-	1.50	7.00	-	-	8.50 (2.40 - 7.00)	2630 (500 - 1660)	3.23	2.00	8.00	-	-	10.00 (2.70 - 10.00)	2680 (500 - 2760)	3.73
	18	18	-	-	1.80	1.80	-	-	3.60 (2.40 - 4.00)	1400 (500 - 1300)	2.57	2.50	2.50	-	-	5.00 (2.70 - 6.90)	1560 (500 - 1710)	3.21
	18	25	-	-	1.80	2.50	-	-	4.30 (2.40 - 4.70)	1450 (500 - 1450)	2.97	2.50	3.40	-	-	5.90 (2.70 - 7.70)	1600 (500 - 1990)	3.69
	18	35	-	-	1.80	3.50	-	-	5.30 (2.40 - 5.80)	1550 (500 - 1660)	3.42	2.50	4.30	-	-	6.80 (2.70 - 8.50)	1860 (500 - 2320)	3.66
	18	42[1]	-	-	1.80	4.20	-	-	6.00 (2.40 - 5.80)	2050 (500 - 1660)	2.93	2.50	5.20	-	-	7.70 (2.70 - 10.00)	1900 (500 - 2880)	4.05
	18	50[1]	-	-	1.80	5.00	-	-	6.80 (2.40 - 7.50)	2050 (500 - 1660)	3.32	2.50	6.50	-	-	9.00 (2.70 - 10.00)	2010 (500 - 2880)	4.48
	18	60[1]	-	-	1.80	6.00	-	-	7.80 (2.40 - 8.50)	2580 (500 - 1660)	3.02	2.50	7.50	-	-	10.00 (2.70 - 10.00)	2650 (500 - 2880)	3.77
	18	70[1]	-	-	1.70	6.80	-	-	8.50 (2.40 - 8.50)	2630 (500 - 1660)	3.23	2.30	7.70	-	-	10.00 (2.70 - 10.00)	2650 (500 - 2880)	3.77
	25	25	-	-	2.50	2.50	-	-	5.00 (2.40 - 5.50)	1550 (500 - 1660)	3.23	3.40	3.40	-	-	6.80 (2.70 - 8.50)	1800 (500 - 2250)	3.78
	25	35	-	-	2.50	3.50	-	-	6.00 (2.40 - 6.60)	2050 (500 - 1660)	2.93	3.40	4.30	-	-	7.70 (2.70 - 9.20)	1900 (500 - 2590)	4.05
	25	42[1]	-	-	2.50	4.20	-	-	6.70 (2.40 - 6.60)	2050 (500 - 1660)	3.27	3.40	5.20	-	-	8.60 (2.70 - 9.20)	1980 (500 - 3110)	4.34
	25	50[1]	-	-	2.50	5.00	-	-	7.50 (2.40 - 7.00)	2580 (500 - 1660)	2.91	3.40	6.50	-	-	9.90 (2.70 - 10.50)	2560 (500 - 3110)	3.87
	25	60[1]	-	-	2.50	6.00	-	-	8.50 (2.40 - 8.80)	2630 (500 - 1660)	3.23	3.10	6.90	-	-	10.00 (2.70 - 11.00)	2540 (500 - 3110)	3.94
	25	70[1]	-	-	2.20	6.30	-	-	8.50 (2.40 - 8.80)	2630 (500 - 1660)	3.23	2.90	7.10	-	-	10.00 (2.70 - 11.00)	2540 (500 - 3110)	3.94
	35	35	-	-	3.50	3.50	-	-	7.00 (2.40 - 7.70)	2280 (500 - 1660)	3.07	4.30	4.30	-	-	8.60 (2.70 - 10.00)	1850 (500 - 2860)	4.65
	35	42[1]	-	-	3.50	4.20	-	-	7.70 (2.40 - 7.70)	2580 (500 - 1660)	2.98	4.30	5.20	-	-	9.50 (2.70 - 11.00)	2300 (500 - 3320)	4.13

At least two indoor units must be connected. The total nominal cooling capacity must not exceed 11 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.
* For optimum performance of the outdoor unit, it is recommended to keep the height difference at or below 5 meters.

	Combinations				COOLING MODE							HEATING MODE						
					Power of the unit (kW)				Total power (kW)	Total power input (W)	EER	Power of the unit (kW)				Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)	
2 indoor units (air/air)	35	50(1)	-	-	3.50	5.00	-	-	8.50 (2.40 - 8.80)	2565 (500 - 1660)	3.31	4.00	6.00	-	-	10.00 (2.70 - 11.00)	2560 (500 - 3320)	3.90
	35	60(1)	-	-	3.10	5.40	-	-	8.50 (2.40 - 9.10)	2630 (500 - 1660)	3.23	3.60	6.40	-	-	10.00 (2.70 - 11.40)	2540 (500 - 3320)	3.94
	35	70(1)	-	-	2.80	5.70	-	-	8.50 (2.40 - 9.10)	2630 (500 - 1660)	3.23	3.40	6.60	-	-	10.00 (2.70 - 11.40)	2680 (500 - 3320)	3.73
	42(1)	42(1)	-	-	4.20	4.20	-	-	8.40 (2.40 - 8.80)	2630 (500 - 3270)	3.19	4.30	4.30	-	-	8.60 (2.70 - 11.00)	2540 (500 - 3500)	3.39
	42(1)	50(1)	-	-	3.90	4.60	-	-	8.50 (2.40 - 8.80)	2630 (500 - 3270)	3.23	4.30	5.20	-	-	9.50 (2.70 - 11.00)	2540 (500 - 3500)	3.74
	42(1)	60(1)	-	-	3.50	5.00	-	-	8.50 (2.40 - 9.10)	2630 (500 - 3420)	3.23	3.60	6.40	-	-	10.00 (2.70 - 11.40)	2680 (500 - 3500)	3.73
	50(1)	50(1)	-	-	4.30	4.30	-	-	8.50 (2.40 - 9.20)	2630 (500 - 3460)	3.23	5.00	5.00	-	-	10.00 (2.70 - 11.40)	2680 (500 - 3500)	3.73
3 indoor units (air/air)	15	18	35	-	1.50	1.80	3.50	-	6.80 (2.70 - 7.30)	2000 (510 - 1500)	3.40	2.00	2.50	4.30	-	8.80 (2.90 - 9.30)	1800 (520 - 1848)	4.89
	15	18	42(1)	-	1.50	1.80	4.20	-	7.50 (2.40 - 7.00)	2100 (510 - 1500)	3.57	2.00	2.50	5.20	-	9.70 (2.90 - 11.00)	2300 (520 - 3360)	4.22
	15	18	50(1)	-	1.50	1.80	5.00	-	8.30 (2.70 - 8.80)	2580 (510 - 1500)	3.22	1.80	2.30	5.90	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	18	60(1)	-	1.40	1.60	5.50	-	8.50 (2.70 - 8.80)	2630 (510 - 1500)	3.23	1.70	2.10	6.30	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	18	70(1)	-	1.20	1.50	5.80	-	8.50 (2.70 - 8.80)	2630 (510 - 1500)	3.23	1.60	2.00	6.50	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	25	25	-	1.50	2.50	2.50	-	6.50 (2.70 - 7.00)	1980 (510 - 2520)	3.28	2.00	3.40	3.40	-	8.80 (2.90 - 9.30)	1750 (520 - 1848)	5.03
	15	25	35	-	1.50	2.50	3.50	-	7.50 (2.40 - 7.00)	2400 (510 - 3096)	3.13	2.00	3.40	4.30	-	9.70 (2.90 - 10.20)	2300 (520 - 1848)	4.22
	15	25	42(1)	-	1.50	2.50	4.20	-	8.20 (2.70 - 9.50)	2580 (510 - 1500)	3.18	1.90	3.20	4.90	-	10.00 (2.70 - 11.00)	2680 (520 - 1848)	3.73
	15	25	50(1)	-	1.40	2.40	4.70	-	8.50 (2.70 - 9.50)	2580 (510 - 1500)	3.29	1.70	2.90	5.50	-	10.00 (2.70 - 11.50)	2680 (520 - 3360)	3.73
	15	25	60(1)	-	1.30	2.10	5.10	-	8.50 (2.70 - 9.50)	2630 (510 - 1500)	3.23	1.60	2.60	5.80	-	10.00 (2.70 - 11.50)	2680 (520 - 3360)	3.73
	15	35	35	-	1.50	3.50	3.50	-	8.50 (2.70 - 9.00)	2580 (510 - 3360)	3.29	1.90	4.10	4.10	-	10.00 (2.90 - 11.10)	2680 (520 - 3360)	3.73
	15	35	42(1)	-	1.40	3.20	3.90	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.70	3.70	4.50	-	10.00 (2.90 - 11.10)	2680 (520 - 3360)	3.73
	15	35	50(1)	-	1.30	3.00	4.30	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.60	3.40	5.10	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	35	60(1)	-	1.20	2.70	4.60	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.40	3.10	5.40	-	10.00 (2.90 - 11.50)	2670 (520 - 3360)	3.75
	15	42(1)	42(1)	-	1.30	3.60	3.60	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.60	4.20	4.20	-	10.00 (2.90 - 11.10)	2680 (520 - 3360)	3.73
	15	42(1)	50(1)	-	1.20	3.30	4.00	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.50	3.80	4.70	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	18	18	18	-	1.80	1.80	1.80	-	5.40 (2.70 - 5.90)	1600 (510 - 1780)	3.38	2.50	2.50	2.50	-	7.50 (2.90 - 9.10)	1600 (520 - 2440)	4.69
	18	18	25	-	1.80	1.80	2.50	-	6.10 (2.70 - 6.70)	2000 (510 - 2150)	3.05	2.50	2.50	3.40	-	8.40 (2.90 - 9.50)	1750 (520 - 2620)	4.80
	18	18	35	-	1.80	1.80	3.50	-	7.10 (2.70 - 7.80)	2280 (510 - 2310)	3.11	2.50	2.50	4.30	-	9.30 (2.90 - 10.20)	2300 (520 - 2740)	4.04
	18	18	42(1)	-	1.80	1.80	4.20	-	7.80 (2.70 - 7.80)	2680 (510 - 3260)	2.91	2.50	2.50	5.10	-	10.00 (2.90 - 10.20)	2610 (520 - 3060)	3.83
	18	18	50(1)	-	1.80	1.80	4.90	-	8.50 (2.70 - 9.50)	2580 (510 - 3260)	3.29	2.20	2.20	5.60	-	10.00 (2.90 - 11.30)	2680 (520 - 3060)	3.73
	18	18	60(1)	-	1.60	1.60	5.30	-	8.50 (2.70 - 9.50)	2630 (510 - 3270)	3.23	2.00	2.00	6.00	-	10.00 (2.90 - 11.50)	2680 (520 - 3060)	3.73
	18	18	70(1)	-	1.40	1.40	5.60	-	8.50 (2.70 - 9.50)	2630 (510 - 3270)	3.23	2.00	2.00	6.00	-	10.00 (2.90 - 11.50)	2680 (520 - 3060)	3.73
	18	25	25	-	1.80	2.50	2.50	-	6.80 (2.70 - 7.50)	2000 (510 - 2260)	3.40	2.50	3.40	3.40	-	9.30 (2.90 - 10.00)	1800 (520 - 2760)	5.17
	18	25	35	-	1.80	2.50	3.50	-	7.80 (2.70 - 8.60)	2680 (510 - 2660)	2.91	2.50	3.30	4.20	-	10.00 (2.90 - 10.70)	2610 (520 - 2880)	3.83
	18	25	42(1)	-	1.80	2.50	4.20	-	8.50 (2.70 - 8.60)	2580 (510 - 3270)	3.29	2.30	3.10	4.70	-	10.00 (2.90 - 11.00)	2680 (520 - 3220)	3.73
	18	25	50(1)	-	1.70	2.30	4.60	-	8.50 (2.70 - 9.50)	2630 (510 - 3270)	3.23	2.00	2.70	5.20	-	10.00 (2.90 - 11.50)	2680 (520 - 3220)	3.73
	18	25	60(1)	-	1.50	2.00	5.00	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	1.90	2.50	5.60	-	10.00 (2.90 - 11.50)	2680 (520 - 3220)	3.73
	18	25	70(1)	-	1.40	1.90	5.30	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	1.90	2.50	5.60	-	10.00 (2.90 - 11.50)	2670 (520 - 3220)	3.75
	18	35	35	-	1.70	3.40	3.40	-	8.50 (2.70 - 9.50)	2580 (510 - 3260)	3.29	2.30	3.90	3.90	-	10.00 (2.90 - 11.50)	2680 (520 - 3060)	3.73
	18	35	42(1)	-	1.60	3.10	3.80	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	2.10	3.60	4.30	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	18	35	50(1)	-	1.50	2.90	4.20	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	1.90	3.20	4.90	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	18	35	60(1)	-	1.30	2.60	4.50	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	1.70	3.00	5.30	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75
	18	42(1)	42(1)	-	1.50	3.50	3.50	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	2.30	3.90	3.90	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	18	42(1)	50(1)	-	1.40	3.20	3.90	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	2.10	3.60	4.30	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75

The total nominal cooling capacity must not exceed 11 kW.

(1) For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations				COOLING MODE							HEATING MODE						
					Power of the unit (kW)				Total power (kW)	Total power input (W)	EER	Power of the unit (kW)				Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	25	25	25	-	2.50	2.50	2.50	-	7.50 (2.40 - 7.00)	2300 (510 - 2580)	3.26	3.30	3.30	3.30	-	10.00 (2.90 - 10.40)	2610 (520 - 2920)	3.83
	25	25	35	-	2.50	2.50	3.50	-	8.50 (2.70 - 9.40)	2580 (510 - 3110)	3.29	3.10	3.10	3.90	-	10.00 (2.90 - 11.20)	2680 (520 - 3070)	3.73
	25	25	42[1]	-	2.30	2.30	3.90	-	8.50 (2.70 - 9.40)	2630 (510 - 3360)	3.23	2.80	2.80	4.30	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	25	25	50[1]	-	2.10	2.10	4.30	-	8.50 (2.70 - 9.50)	2630 (510 - 3360)	3.23	2.60	2.60	4.90	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	25	25	60[1]	-	1.90	1.90	4.60	-	8.50 (2.70 - 9.50)	2630 (510 - 3360)	3.23	2.40	2.40	5.20	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75
	25	35	35	-	2.20	3.10	3.10	-	8.50 (2.70 - 9.50)	2630 (510 - 3330)	3.23	2.80	3.60	3.60	-	10.00 (2.90 - 11.50)	2680 (520 - 3220)	3.73
	25	35	42[1]	-	2.10	2.90	3.50	-	8.50 (2.70 - 9.50)	2630 (510 - 3350)	3.23	2.60	3.30	4.00	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	25	35	50[1]	-	1.90	2.70	3.90	-	8.50 (2.70 - 9.50)	2630 (510 - 3350)	3.23	2.40	3.00	4.60	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75
	25	42[1]	42[1]	-	1.90	3.30	3.30	-	8.50 (2.70 - 9.50)	2630 (510 - 3360)	3.23	2.80	3.60	3.60	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	35	35	35	-	2.80	2.80	2.80	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	3.30	3.30	3.30	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
4 indoor units (air/air)	15	15	15	15	1.50	1.50	1.50	1.50	6.00 (2.90 - 6.50)	1600 (550 - 1620)	3.75	2.00	2.00	2.00	2.00	8.00 (3.00 - 8.50)	1750 (540 - 2652)	4.57
	15	15	15	18	1.50	1.50	1.50	1.80	6.30 (2.90 - 6.50)	2000 (550 - 1776)	3.15	2.00	2.00	2.00	2.50	8.50 (3.00 - 9.00)	1750 (540 - 2760)	4.86
	15	15	15	25	1.50	1.50	1.50	2.50	7.00 (2.90 - 7.50)	2000 (550 - 2136)	3.50	2.00	2.00	2.00	3.40	9.40 (3.00 - 9.90)	1800 (540 - 3036)	5.22
	15	15	15	35	1.50	1.50	1.50	3.50	8.00 (2.90 - 8.50)	2630 (550 - 2292)	3.04	1.90	1.90	1.90	4.20	10.00 (3.00 - 10.80)	2650 (540 - 3468)	3.77
	15	15	15	42[1]	1.50	1.50	1.50	4.10	8.50 (2.90 - 8.50)	2630 (550 - 2292)	3.23	1.80	1.80	1.80	4.60	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	15	50[1]	1.30	1.30	1.30	4.50	8.50 (2.90 - 8.50)	2630 (550 - 3180)	3.23	1.60	1.60	1.60	5.20	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	15	60[1]	1.20	1.20	1.20	4.90	8.50 (2.90 - 8.50)	2630 (550 - 3180)	3.23	1.50	1.50	1.50	5.60	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	15	18	18	1.50	1.50	1.80	1.80	6.60 (2.90 - 7.10)	2000 (550 - 2100)	3.30	2.00	2.00	2.50	2.50	9.00 (3.00 - 9.50)	1750 (540 - 3048)	5.14
	15	15	18	25	1.50	1.50	1.80	2.50	7.30 (2.90 - 7.80)	2680 (550 - 2220)	2.72	2.00	2.00	2.50	3.40	9.90 (3.00 - 10.40)	2610 (540 - 3144)	3.79
	15	15	18	35	1.50	1.50	1.80	3.50	8.30 (2.90 - 8.80)	2630 (550 - 2616)	3.16	1.90	1.90	2.30	4.00	10.00 (3.00 - 11.30)	2650 (540 - 3468)	3.77
	15	15	18	42[1]	1.40	1.40	1.70	4.00	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.70	1.70	2.10	4.40	10.00 (3.00 - 11.30)	2650 (540 - 3360)	3.77
	15	15	18	50[1]	1.30	1.30	1.60	4.30	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.50	1.90	5.00	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	18	60[1]	1.20	1.20	1.40	4.70	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.40	1.80	5.40	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	15	25	25	1.50	1.50	2.50	2.50	8.00 (2.90 - 8.50)	2630 (550 - 2580)	3.04	1.90	1.90	3.10	3.10	10.00 (3.00 - 11.30)	2650 (540 - 3420)	3.77
	15	15	25	35	1.40	1.40	2.40	3.30	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.70	1.70	2.90	3.70	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	25	42[1]	1.30	1.30	2.20	3.70	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.60	1.60	2.70	4.10	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	25	50[1]	1.20	1.20	2.00	4.00	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.40	2.40	4.70	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	15	35	35	1.30	1.30	3.00	3.00	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.60	1.60	3.40	3.40	10.00 (3.00 - 11.30)	2630 (540 - 3480)	3.80
	15	15	35	42[1]	1.20	1.20	2.80	3.30	8.50 (2.90 - 8.50)	2630 (550 - 3210)	3.23	1.50	1.50	3.20	3.90	10.00 (3.00 - 11.30)	2630 (540 - 3360)	3.80
	15	15	35	50[1]	1.10	1.10	2.60	3.70	8.50 (2.90 - 8.50)	2630 (550 - 3210)	3.23	1.40	1.40	2.90	4.40	10.00 (3.00 - 11.30)	2600 (540 - 3360)	3.85
	15	15	42[1]	42[1]	1.10	1.10	3.10	3.10	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.60	1.60	3.40	3.40	10.00 (3.00 - 11.30)	2600 (540 - 3360)	3.85
	15	18	18	18	1.50	1.80	1.80	1.80	6.90 (2.50 - 7.40)	2000 (550 - 2244)	3.45	2.00	2.50	2.50	2.50	9.50 (3.00 - 10.00)	1800 (540 - 3144)	5.28
	15	18	18	25	1.50	1.80	1.80	2.50	7.60 (2.50 - 8.10)	2680 (550 - 2568)	2.84	1.90	2.40	2.40	3.30	10.00 (3.00 - 10.90)	2610 (540 - 3468)	3.83
	15	18	18	35	1.50	1.80	1.80	3.50	8.50 (2.50 - 8.50)	2630 (550 - 3060)	3.23	1.80	2.20	2.20	3.80	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	18	42[1]	1.40	1.60	1.60	3.80	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.60	2.00	2.00	4.30	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	18	50[1]	1.30	1.50	1.50	4.20	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	1.90	4.80	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	25	25	1.50	1.80	2.50	2.50	8.30 (2.50 - 8.30)	2630 (550 - 3288)	3.16	1.80	2.20	3.00	3.00	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	25	35	1.40	1.60	2.30	3.20	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.60	2.00	2.80	3.50	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	25	42[1]	1.30	1.50	2.10	3.60	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	2.60	4.00	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	25	50[1]	1.20	1.40	2.00	3.90	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.70	2.40	4.50	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	35	35	1.20	1.50	2.90	2.90	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	3.30	3.30	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	35	42[1]	1.20	1.40	2.70	3.20	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.80	3.10	3.70	10.00 (3.00 - 11.50)	2600 (540 - 3360)	3.85

The total nominal cooling capacity must not exceed 11 kW.

[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations				COOLING MODE							HEATING MODE						
					Power of the unit (kW)				Total power (kW)	Total power input (W)	EER	Power of the unit (kW)				Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)	
4 indoor units (air/air)	15	18	42[1]	42[1]	1.10	1.30	3.10	3.10	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	3.30	3.30	10.00 (3.00 - 10.50)	2600 (540 - 3360)	3.85
	15	25	25	25	1.40	2.40	2.40	2.40	8.50 (2.50 - 8.50)	2630 (550 - 3132)	3.23	1.60	2.80	2.80	2.80	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	25	25	35	1.30	2.10	2.10	3.00	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	2.60	2.60	3.30	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	25	25	42[1]	1.20	2.00	2.00	3.30	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	2.40	2.40	3.70	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	25	35	35	1.20	1.90	2.70	2.70	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	2.40	3.10	3.10	10.00 (3.00 - 11.50)	2600 (540 - 3360)	3.85
	18	18	18	18	1.80	1.80	1.80	1.80	7.20 (2.90 - 7.90)	2680 (550 - 2292)	2.69	2.50	2.50	2.50	2.50	10.00 (3.00 - 10.90)	2610 (540 - 2720)	3.83
	18	18	18	25	1.80	1.80	1.80	2.50	7.90 (2.90 - 8.70)	2680 (550 - 3120)	2.95	2.30	2.30	2.30	3.10	10.00 (3.00 - 11.10)	2610 (540 - 3650)	3.83
	18	18	18	35	1.70	1.70	1.70	3.30	8.50 (2.90 - 9.50)	2630 (550 - 3120)	3.23	2.10	2.10	2.10	3.60	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	18	18	42[1]	1.60	1.60	1.60	3.70	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	2.00	2.00	2.00	4.10	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	18	18	50[1]	1.50	1.50	1.50	4.10	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	1.80	1.80	4.70	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	18	25	25	1.80	1.80	2.50	2.50	8.50 (2.90 - 9.50)	2630 (550 - 3040)	3.23	2.10	2.10	2.90	2.90	10.00 (3.00 - 11.20)	2650 (540 - 3650)	3.77
	18	18	25	35	1.60	1.60	2.20	3.10	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	2.00	2.00	2.70	3.40	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	18	25	42[1]	1.50	1.50	2.10	3.50	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	1.80	2.50	3.80	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	18	25	50[1]	1.40	1.40	1.90	3.90	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	1.70	2.30	4.40	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	18	18	35	35	1.40	1.40	2.80	2.80	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	1.80	3.20	3.20	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	18	35	42[1]	1.40	1.40	2.60	3.20	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	1.70	3.00	3.60	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	18	25	25	25	1.70	2.30	2.30	2.30	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	2.00	2.70	2.70	2.60	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	25	25	35	1.50	2.10	2.10	2.80	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	2.50	2.50	3.10	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	25	25	42[1]	1.40	1.90	1.90	3.20	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	2.30	2.30	3.60	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	18	25	35	35	1.30	1.90	2.60	2.60	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	2.40	3.00	3.00	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	25	25	25	25	2.10	2.10	2.10	2.10	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	2.50	2.50	2.50	2.50	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	25	25	25	35	1.90	1.90	1.90	2.70	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	2.30	2.30	2.30	3.00	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85

The total nominal cooling capacity must not exceed 11 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.


HITACHI
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Quick selection table

airHome Multi Pro

Outdoor units	RAM-G36N2HCE	RAM-G43N2HCE	RAM-G55N2HCE	RAM-G55N3HCE	RAM-G68N3HCE	RAM-G70N4HCE	RAM-G85N5HCE	RAM-G110N5HCE
	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
								
	R32	R32	R32	R32	R32	R32	R32	R32
Nominal cooling capacity	3.6 kW	4.3 kW	5.5 kW	5.5 kW	6.8 kW	7.0 kW	8.5 kW	10.0 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 (D to A+++; Cooling/ Heating)	**A+++/A++**	**A+++/A++**	**A+++/A++**	**A+++/A++**	**A++/A++**	**A++/A++**	**A++/A+**	**A++/A+**
Number of outputs	2			3		4	5	
Max. length of pipework	L1 + L2 = 35 m			L1 + L2 + L3 = 50 m	L1 + L2 + L3 = 60 m	L1 + L2 + L3 + L4 = 60 m	L1 + L2 + L3 + L4 + L5 = 75 m	

	Wall units			Console	Ducted units				Cassette
	airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted		airHome Ducted Slim		airHome Cassette
					Low pressure up to 90 Pa	High pressure up to 150 Pa	Low pressure up to 50 Pa	High pressure up to 150 Pa	
			NEW	NEW			NEW	NEW	NEW
									
Compatible indoor units	RAK-DJ-QHAE ; RAK-DJ-RHAE	RAK-VJ-QHAE ; RAK-VJ-RHAE	RAK-XJ-QHBE(G) ; RAK-XJ-RHBE(G)	RAF-XJ-RHAE	RAD-DJ-QHAE	RAD-DJ-QHAE	RAD-VJ-QHAE ; RAD-VJ-RHAE	RAD-VJ-RHAE	RAI-VJ-RHAE
1.5 kW	●	●	-	-	-	-	-	-	-
1.8 kW	-	-	●	-	●	-	●	-	-
2.0 kW	●	●	-	-	-	-	-	-	-
2.5 kW	●	●	●	●	●	-	●	-	●
3.5 kW	●	●	●	●	●	-	●	-	●
4.2 kW	-	●	-	-	-	-	-	-	-
5.0 kW	●	●	●	●	-	●	-	●	●
6.0 kW	●	●	-	-	-	●	-	●	●
7.0 kW	●	●	-	-	-	●	-	●	-

airHome Multi Pro

New generations RAM-G-N-HCE

3.6 to 10.0 kW (R32)

NEW



FOR COMFORT ALL YEAR ROUND

- **Highly capable units** in Cooling mode: SEER : up to **A+++**
- Higher power ratings **to -7°C** up to **10.0 kW** (1)
- **FrostWash technology** Compatible with all indoor units.

DESIGN

Wide range of compatible indoor units

Wall-mounted, console, ducted, and cassette airHome units(2).



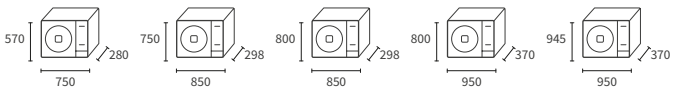
CONNECTIVITY

Wall-mounted units and airHome consoles connected as standard

Wi-Fi built directly into the unit, no additional accessories required.



Outdoor units



RAM-G36N2HCE
RAM-G43N2HCE

RAM-G55N2HCE

RAM-G55N3HCE
RAM-G68N3HCE
RAM-G70N4HCE

RAM-G85N5HCE

RAM-G110N5HCE

Compatible controls and accessories for outdoor units



H-Link outdoor unit control box
Model: **SPX-RAMHLK**

Compatible controls and accessories for indoor units

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

(1) Not including defrosting.
(2) Except for airHome 200.

Outdoor units	Unit	RAM-G36N2HCE	RAM-G43N2HCE	RAM-G55N2HCE	RAM-G55N3HCE	RAM-G68N3HCE	RAM-G70N4HCE	RAM-G85N5HCE	RAM-G110N5HCE
Performance, cooling									
Nominal power (min. - max.)	kW	3.60 (1.50 - 4.20)	4.30 (1.50 - 4.60)	5.50 (1.50 - 6.60)	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 power consumption (min. - max.)	kW	0.85 (0.30 - 1.20)	1.02 (0.30 - 1.30)	1.30 (0.35 - 2.30)	1.30 (0.46 - 1.68)	1.83 (0.46 - 2.96)	1.89 (0.46 - 3.20)	2.50 (0.50 - 3.85)	2.97 (0.50 - 4.50)
EER	-	4.20				3.70		3.40	3.37
Energy class (D to A+++)	-	A+++				A++			
SEER (average climate)	-	**8.50**				**8.10**	**8.20**	**7.90**	**6.87**
Operating range	°C	-10°C/+46°C							
Performance, heating									
Nominal power (min. - max.)	kW	4.40 (1.50 - 5.00)	5.20 (1.50 - 5.50)	6.80 (1.50 - 7.20)	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 power consumption (min. - max.)	kW	1.00 (0.50 - 1.40)	1.18 (0.50 - 1.50)	1.61 (0.35 - 2.70)	1.61 (0.43 - 2.01)	2.12 (0.43 - 2.60)	2.02 (0.48 - 3.12)	2.56 (0.50 - 3.85)	2.78 (0.50 - 5.00)
Full load capacity at -7°C without defrosting [1]	kW	3.70	3.90	5.00	6.00	6.60	6.60	8.40	10.00
Full load capacity at -7°C with defrosting [1]	kW	3.40	3.40	4.50	5.50	6.50	6.50	7.80	8.60
COP	-	4.40		4.20		4.00	4.20	3.90	4.32
Energy class (D to A+++)	-	A++						A+	
SCOP (average climate)	-	**4.60**						**4.30**	**4.42**
Operating range	°C	-15°C/+24°C							
Technical characteristics									
Number of connectible indoor units (min/max)	-	2 / 2			2 / 3		2 / 4	2 / 5	
Sound pressure (Cooling / Heating)[2]	dB(A)	48 / 50	49 / 51	50 / 51	50 / 53	50 / 53	50 / 53	52 / 56	56 / 56
Sound power	dB(A)	60		61		63		66	70
Airflow (Cooling/Heating)	m³/h	1620 / 1620		2160 / 2160		2340 / 2100		3900 / 3900	4000 / 4000
Dimensions (HxLxD)	mm	570 x 750 (852)[3] x 280		750 x 850 (957)[3] x 298	800 x 850 (957)[3] x 298			800 x 950 (957)[3] x 370	945 x 950 (962)[3] x 370
Net weight	kg	40		51	57		58	72	81
Compressor	-	Rotary 1 cylinder		2-cylinder rotary					
Cooling properties									
Diameter of pipes (Liq - Gas)	inches	(1/4"x2) - (3/8"x2)			(1/4"x3) - (3/8"x3)		(1/4"x 4) - (3/8"x 3 + 1/2" x 1)	(1/4" x 5) - (3/8" x 3 + 1/2" x 2)	
Initial refrigerant fill	kg	1.07		1.80	2.00			2.10	2.72
Preloaded for	m	35				30		35	30
Minimum length of refrigerated connections.	m	3							
Maximum length of refrigerated links. / Refrigerant refill	m / g/m	35/-			50 / 20	60 / 20		75 / 22	75 / 13
Max. drop	m	10		20					
Refrigerant	-	R32							
Electrical features									
Power supply	-	220-230V/1Ph/50 Hz							
Operating current (Cooling/Heating)	A	5.49 / 6.41	5.95 / 6.86	7.60 / 10.53	11.30 / 12.50	12.70 / 12.90	12.70 / 12.90	15.10 / 15.80	19.60 / 21.70
Cable section	mm^2	2.50 x 2 + GROUND							
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND							

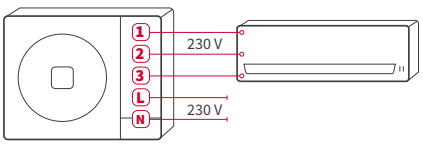
Data for certified models is listed in the Eurovent Directory.
[1] To find the data corresponding to your project, use our technical catalogs.
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Retail price per unit excluding taxes	RAM-G36N2HCE	RAM-G43N2HCE	RAM-G55N2HCE	RAM-G55N3HCE	RAM-G68N3HCE	RAM-G70N4HCE	RAM-G85N5HCE	RAM-G110N5HCE
Outdoor unit								

Caution

The power recovered from each indoor unit depends on the outdoor unit, the selected combination, the piping length, and the outside temperature. The length of piping used to determine the above values is 10 m. Total power must not exceed the power of the unit: refer to the combinations table. To make a well-informed selection, refer to our technical documentation.

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



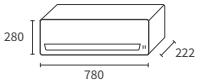
Wall units

airHome 400

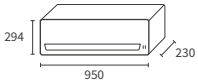
1.5 to 7.1 kW (R32)



Indoor units



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



RAK-DJ60RHAE
RAK-DJ70RHAE

Indoor units	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)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) (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 in Heating mode (very low/low/ medium/high/very high speed) (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	dB(A)	51		54	57	60		62
Airflow in Cooling mode (very low/low/medium/ high speed)	m³/h	204/255/384/431/545		204/255/394/513/620	204/302/446/608/653	265/360/528/608/663	360/510/700/940/1000	
Dehumidification	l/h	1.2		1.4	1.6	2.0	2.8	4.8
Dimensions (HxLxD)	mm	280 x 780 x 222					294 x 950 x 230	
Net weight	kg	7.7				8.4	10.5	
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"					1/4" - 1/2"	1/4" - 5/8"
Condensate pipe diameter (out)	mm	16						
Power supply	V	220-230V						
Cable section	mm²	1.50 x 3 + GROUND						
Infrared remote control	-	RC-AGU1EA0G (included)						

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

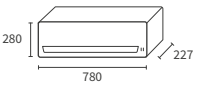
Retail price per unit excluding taxes	RAK-DJ15QHAE	RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE	RAK-DJ60RHAE	RAK-DJ70RHAE
Indoor unit Infrared remote control included							

airHome 600

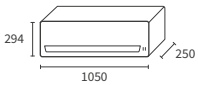
1.5 to 7.0 kW (R32)



Indoor units



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



RAK-VJ60RHAE
RAK-VJ70RHAE

Indoor units	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)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) (1)	dB(A)	21/24/33/35/37		22/24/33/38/40	25/26/36/41/43	25/28/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) (1)	dB(A)	19/22/33/36/38		20/23/34/39/41	26/27/36/42/44	27/31/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound power	dB(A)	51		54	57	60			63
Airflow in Cooling mode (very low/low/medium/ high speed)	m³/h	206/240/330/390/500		206/240/340/440/550	210/260/400/500/680	230/300/420/560/720		545/660/800/925/1050	573/690/830/950/1080
Dehumidification	l/h	-	1.2	1.4	1.6	1.8	2.0	2.8	4.8
Dimensions (HxLxD)	mm	280 x 780 x 227						294 x 1050 x 250	
Net weight	kg	8.6				8.8		12.5	
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"				1/4" - 1/2"			1/4" - 5/8"
Condensate pipe diameter (out)	mm	16							
Power supply	V	220-230V							
Cable section	mm²	1.50 x 3 + GROUND							
Infrared remote control	-	RC-AGS1EA0E (included)							

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

Retail price per unit excluding taxes	RAK-VJ15QHAE	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE
Indoor unit Infrared remote control included								

Compatible controls and accessories

Infrared controls



Standard infrared remote control
Model: **RC-AGU1EA0G**
Included for the airHome 400



Standard infrared remote control
Model: **RC-AGU1EA0E**
Included for the airHome 600

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



Multi-indoor unit control box
Refs. : **SPX-DST1 + SPX-WDST8M**

5 m shielded standard cable
Model: **SPX-WKT5MS**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

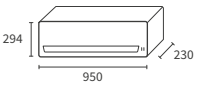
airHome 800

NEW

1.8 to 5.0 kW (R32)



Indoor units



RAK-XJ18QHBE(G)
RAK-XJ25RHBE(G)
RAK-XJ35RHBE(G)
RAK-XJ50RHBE(G)

Compatible controls and accessories

Infrared control



Standard infrared remote control
Model: **RC-BGH1FA0G**
Included

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Indoor units	White	Unit	RAK-XJ18QHBE	RAK-XJ25RHBE	RAK-XJ35RHBE	RAK-XJ50RHBE
	Gray		RAK-XJ18QHBEG	RAK-XJ25RHBEG	RAK-XJ35RHBEG	RAK-XJ50RHBEG
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)
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [1]		dB(A)	21/27/33/40/43		21/29/34/41/44	25/31/38/43/46
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [1]		dB(A)	21/28/34/40/44		21/29/35/41/45	25/31/39/44/48
Sound power		dB(A)	57		58	60
Airflow in Cooling mode (very low/low/medium/high speed)		m^3/h	230/300/420/590/680		230/325/485/650/720	260/350/510/680/740
Dehumidification		l/h	-	1.4	1.6	2.0
Dimensions (HxLxD)		mm	294 x 950 x 244			
Net weight		kg	11.5			
Diameter of pipes (Liq - Gas)		inches	1/4" - 3/8"			1/4" - 1/2"
Condensate pipe diameter (out)		mm	16			
Power supply		V	220-230V			
Cable section		mm^2	1.50 x 3 + GROUND			
Infrared remote control		-	RC-BGH1FA0G (included)			

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

Retail price per unit excluding taxes	RAK-XJ18QHBE(G)	RAK-XJ25RHBE(G)	RAK-XJ35RHBE(G)	RAK-XJ50RHBE(G)
Indoor unit Infrared remote control included				

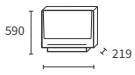
air Home Floor

2.5 to 5.0 kW (R32)

NEW



Indoor units



RAF-XJ25RHAE
RAF-XJ35RHAE
RAF-XJ50RHAE

Compatible controls and accessories

Infrared control



Standard infrared remote control
Model: **RC-BGH1FA0E**
Included

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1**+ Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Leakage sensor

Leakage sensor
Model: **RAF-FJ07QHAA012**

Indoor units	Unit	RAF-XJ25RHAE	RAF-XJ35RHAE	RAF-XJ50RHAE
Nominal Cooling capacity (min. - max.)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Nominal Heating capacity (min. - max.)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) [1]	dB(A)	20/26/31/36/38	20/26/31/37/39	24/29/36/41/43
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) [1]	dB(A)	20/26/31/36/38	20/26/31/37/39	27/29/36/42/44
Sound power	dB(A)	52	53	57
Airflow in Cooling mode (very low/low/medium/ high speed)	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 (HxLxD)	mm	590 x 750 x 219		
Net weight	kg	15		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"
Condensate pipe diameter (out)	mm	16		
Power supply	V	220-230V		
Cable section	mm^2	1.50 x 3 + GROUND		
Infrared remote control	-	RC-BGH1FA0E (included)		

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

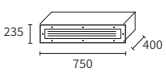
Retail price per unit excluding taxes	RAF-XJ25RHAE	RAF-XJ35RHAE	RAF-XJ50RHAE
Indoor unit (Infrared remote control included)			

airHome Ducted

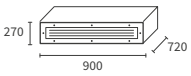
1.8 to 7.0 kW (R32)



Indoor units



RAD-DJ18QHAE
RAD-DJ25QHAE
RAD-DJ35QHAE



RAD-DJ50QHAE
RAD-DJ60QHAE
RAD-DJ70QHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKD800**



airCloud Go gateway
Model: **SPX-WFG03**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



1-1 KNX gateway
Model: **AZAI6KNXHT2**

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Other accessories

Remote sensor
Model: **SPX-RTH2**

Plenums
Please contact your sales representative or Airzone distributor.

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)	7.00 (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)	8.00 (1.50 - 8.50)
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [1]	dB(A)	30/33/37/39/41			29/32/35/37/39		
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [1]	dB(A)	30/34/38/40/42			29/32/35/38/40		
Sound power	dB(A)	57			55		57
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	330/390/450/480/510			350/540/800/970/1140		
Static pressure (low/medium/high speed)	Pa	-/-/90			50/100/150		
Dehumidification	l/h	-	1.4	1.6	2.8		4.8
Dimensions (HxLxD)	mm	235 x 750 x 400 (525) [2]			270 x 900 (995) [2] x 720		
Net weight	kg	16			35		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	16					
Condensate pump	-	Included					
Power supply	V	220-230V					
Cable section	mm^2	1.50 x 3 + GROUND					
Wired remote control	-	SPX-URFG1					

[1] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[2] Dimensions with refrigeration connection.

Retail price per unit excluding taxes	RAD-DJ18QHAE	RAD-DJ25QHAE	RAD-DJ35QHAE	RAD-DJ50QHAE	RAD-DJ60QHAE	RAD-DJ70QHAE
Indoor unit (Remote control NOT included)						
Wired remote control SPX-URFG1						
Price for whole set Indoor unit + wired remote control						

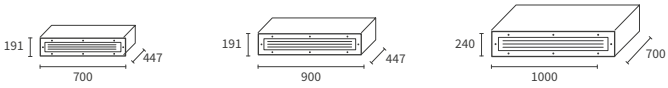
airHome Ducted Slim

NEW

1.8 to 7.0 kW (R32)



Indoor units



RAD-VJ18QHAE
RAD-VJ25RHAE

RAD-VJ35RHAE

RAD-VJ50RHAE
RAD-VJ60RHAE
RAD-VJ70RHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKD800**



airCloud Go gateway
Model: **SPX-WFG03**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



1-1 KNX gateway
Model: **AZAI6KNXHT2**

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Other accessories

Remote sensor
Model: **SPX-RTH2**

Plenums
Please contact your sales representative or Airzone distributor.

Indoor units	Unit	RAD-VJ18QHAE	RAD-VJ25RHAE	RAD-VJ35RHAE	RAD-VJ50RHAE	RAD-VJ60RHAE	RAD-VJ70RHAE
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 (1.90 - 5.80)	6.00 (1.90 - 6.50)	7.00 (1.90 - 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 (1.90 - 6.80)	7.00 (1.90 - 7.50)	8.00 (1.90 - 8.50)
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) [1]	dB(A)	28/32/35/37/40	28/32/35/37/40	28/32/35/38/40	29/32/35/37/39	29/32/35/37/39	29/32/35/37/39
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) [1]	dB(A)	28/32/35/37/40	28/32/35/37/40	28/32/35/38/41	29/32/35/38/40	29/32/35/38/40	29/32/35/38/40
Sound power	dB(A)	54			55		57
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	380/450/510/550/670		430/510/610/690/820	540/720/840/960/1200		
Static pressure (low/medium/high speed)	Pa	25 / 50			50/100/150		
Dehumidification	l/h	2.8					4.8
Dimensions (HxLxD)	mm	191 × 700 (730) [2] × 447		191 × 910 (940) [2] × 447	240 x 1000 (1036) [2] x 700		
Net weight	kg	16		19	35		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	37					
Condensate pump	-	Included					
Power supply	V	220-230V					
Cable section	mm^2	1.50 x 3 + GROUND					
Wired remote control	-	SPX-URFG1					

[1] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[2] Dimensions with refrigeration connection.

Retail price per unit excluding taxes	RAD-VJ18QHAE	RAD-VJ25RHAE	RAD-VJ35RHAE	RAD-VJ50RHAE	RAD-VJ60RHAE	RAD-VJ70RHAE
Indoor unit (Remote control NOT included)						
Wired remote control SPX-URFG1						
Price for whole set Indoor unit + wired remote control						

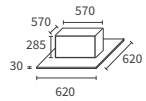
air Home Cassette

NEW

600 x 600
2.5 to 6.0 kW (R32)



Indoor units



RAI-VJ25RHAE
RAI-VJ35RHAE
RAI-VJ50RHAE
RAI-VJ60RHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKC800**



airCloud Go gateway
Model: **SPX-WFG03**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



1-1 KNX gateway
Model: **AZAI6KNXHT2**

Wired controls



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

5 m shielded standard cable
Model: **SPX-WKT5MS**



Multi-indoor unit control box
Model: **SPX-DST1**+ Model: **SPX-WDST8M**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Indoor units	Unit	RAI-VJ25RHAE	RAI-VJ35RHAE	RAI-VJ50RHAE	RAI-VJ60RHAE
Nominal Cooling capacity (min. - max.)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.80)	6.00 (1.90 - 6.50)
Nominal Heating capacity (min. - max.)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.90 - 6.80)	7.00 (1.90 - 8.00)
Sound pressure in Cooling mode (very low/low/medium/ high/very high speed) [1]	dB(A)	27/31/34/36/38	27/33/36/38/40	29/35/39/43/44	29/35/39/44/45
Sound pressure in Heating mode (very low/low/medium/ high/very high speed) [1]	dB(A)	27/32/34/36/38	27/33/37/39/41	30/36/40/45/47	30/36/42/45/47
Sound power	dB(A)	51	54	56	58
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	330/420/460/500/540	330/420/490/540/600	430/550/640/730/780	430/600/700/860/910
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (HxLxD)	mm	285 x 570 x 570			
Panel dimensions (HxLxD)		30 x 620 x 620			
Net weight of box	kg	17			
Panel net weight	kg	2.8			
Panel reference	-	P-AP56NAMS			
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"	
Condensate pipe diameter (out)	mm	32			
Condensate pump	-	Included			
Power supply	V	220-230V			
Cable section	mm^2	1.50 x 3 + GROUND			
Wired remote control	-	SPX-URFG1			

[1] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).

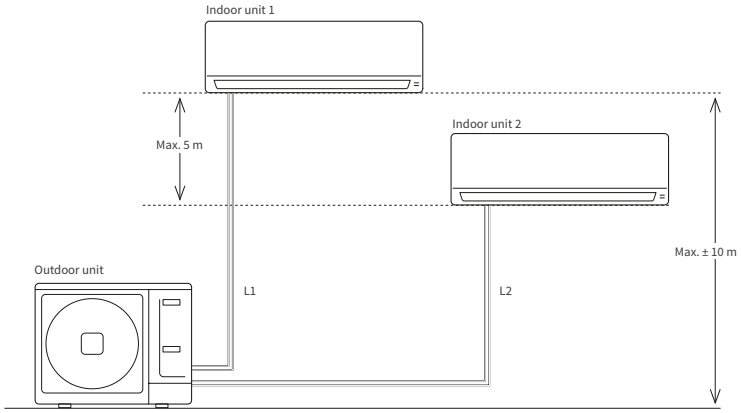
Retail price per unit excluding taxes

Indoor unit (Remote control NOT included)	RAI-VJ25RHAE	RAI-VJ35RHAE	RAI-VJ50RHAE	RAI-VJ60RHAE
Cassette panel	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
Wired remote control SPX-URFG1				
Price for whole set Indoor unit + facade + wired remote control				

RAM-G36N2HCE - Prepare your construction site

RAM-G36N2HCE refrigeration lengths:

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



Specific installation requirements for the RAM-G36N2HCE outdoor unit

- Preloaded for **35 m.**
- Always connect the most powerful indoor unit to the lowest connection. No additional charge necessary.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

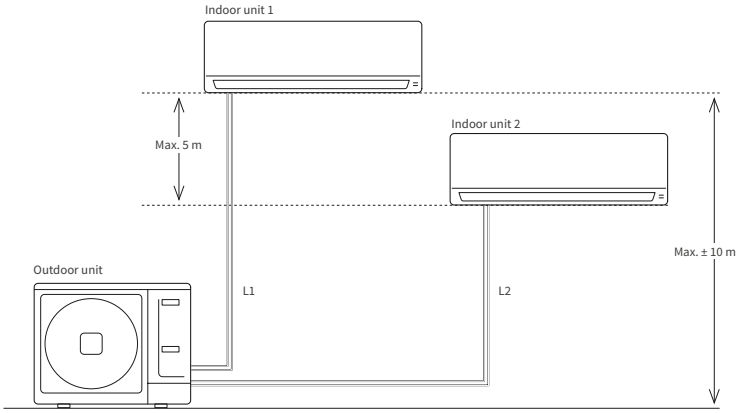
	Combinations		COOLING MODE					HEATING MODE				
			Power of the unit (kW)		Total power (kW)	Total power input (W)	EER	Power of the unit (kW)		Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	1.50	-	1.50 (1.50 - 1.70)	380 (300 - 480)	3.95	2.00	-	2.00 (1.50 - 2.20)	680 (500 - 970)	2.94
	18	-	2.00	-	1.80 (1.70 - 2.00)	485 (300 - 750)	3.71	2.50	-	2.50 (2.00 - 3.00)	730 (500 - 970)	3.42
	25	-	2.50	-	2.50 (1.70 - 2.80)	650 (300 - 880)	3.85	3.40	-	3.40 (2.00 - 4.00)	910 (500 - 1120)	3.74
	35	-	3.50	-	3.50 (1.70 - 3.90)	865 (300 - 1200)	4.05	4.30	-	4.30 (2.00 - 5.00)	1150 (500 - 1300)	3.74
2 indoor units (air/air)	15	15	1.50	1.50	3.00 (2.40 - 3.50)	730 (300 - 780)	4.11	2.00	2.00	4.00 (2.70 - 4.50)	890 (500 - 950)	4.49
	15	18	1.50	1.80	3.30 (2.40 - 3.80)	800 (300 - 1200)	4.13	2.00	2.40	4.40 (2.70 - 5.00)	900 (500 - 1020)	4.89
	15	25	1.40	2.25	3.60 (2.40 - 4.20)	1000 (300 - 1200)	3.60	1.60	2.80	4.40 (2.70 - 5.00)	1080 (500 - 1400)	4.07
	15	35	1.10	2.52	3.60 (2.40 - 4.20)	1100 (300 - 1200)	3.27	1.40	3.00	4.40 (2.70 - 5.00)	1300 (500 - 1400)	3.38
	18	18	1.80	1.80	3.60 (2.40 - 4.00)	1000 (300 - 1200)	3.60	2.20	2.20	4.40 (2.70 - 5.00)	1000 (500 - 1400)	4.40
	18	25	1.50	2.09	3.60 (2.40 - 4.20)	1100 (300 - 1200)	3.27	1.90	2.50	4.40 (2.70 - 5.00)	1250 (500 - 1400)	3.52
	25	25	1.80	1.80	3.60 (2.40 - 4.20)	1180 (300 - 1200)	3.05	2.20	2.20	4.40 (2.70 - 5.00)	1250 (500 - 1400)	3.52

* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.

RAM-G43N2HCE - Prepare your construction site

RAM-G43N2HCE refrigeration lengths:

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



Specific installation requirements for the RAM-G43N2HCE outdoor unit

- Preloaded for **35 m.**
- Always connect the most powerful indoor unit to the lowest connection. No additional charge necessary.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

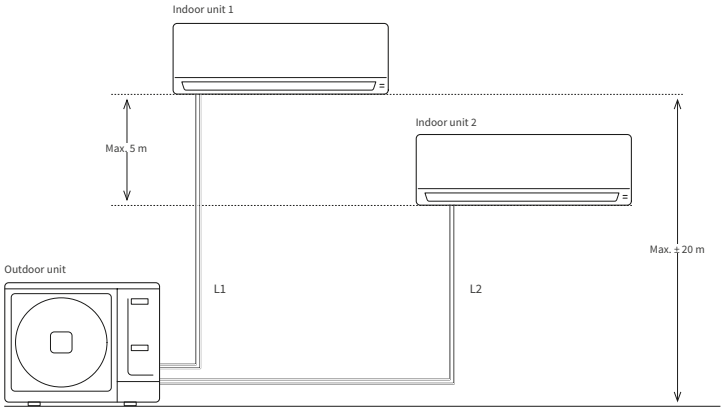
	Combinations		COOLING MODE					HEATING MODE				
			Power of the unit (kW)		Total power (kW)	Total power input (W)	EER	Power of the unit (kW)		Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	1.50	-	1.50 (1.50 - 1.70)	380 (300 - 480)	3.95	2.00	-	2.00 (1.50 - 2.20)	730 (500 - 970)	2.74
	18	-	2.00	-	1.80 (1.70 - 2.00)	485 (300 - 750)	3.71	2.50	-	2.50 (2.00 - 3.00)	750 (500 - 970)	3.33
	25	-	2.50	-	2.50 (1.70 - 2.80)	650 (300 - 880)	3.85	3.40	-	3.40 (2.00 - 4.00)	1050 (500 - 1120)	3.24
	35	-	3.50	-	3.50 (1.70 - 3.90)	865 (300 - 1150)	4.05	4.30	-	4.30 (2.00 - 5.20)	1285 (500 - 1300)	3.35
2 indoor units (air/air)	15	15	1.50	1.50	3.00 (2.40 - 3.50)	700 (300 - 780)	4.29	2.00	2.00	4.00 (2.70 - 4.50)	890 (500 - 950)	4.49
	15	18	1.50	1.80	3.30 (2.40 - 3.80)	800 (300 - 930)	4.13	2.00	2.50	4.50 (2.70 - 5.00)	940 (500 - 1020)	4.79
	15	25	1.50	2.50	4.00 (2.40 - 4.50)	1000 (300 - 1150)	4.00	1.90	3.30	5.20 (2.70 - 5.50)	1080 (500 - 1500)	4.81
	15	35	1.30	3.00	4.30 (2.40 - 5.50)	1100 (300 - 1300)	3.91	1.70	3.50	5.20 (2.70 - 5.50)	1200 (500 - 1500)	4.33
	18	18	1.80	1.80	3.60 (2.40 - 4.00)	1000 (300 - 1050)	3.60	2.50	2.50	5.00 (2.70 - 5.5)	1130 (500 - 1500)	4.42
	18	25	1.80	2.50	4.30 (2.40 - 4.70)	1100 (300 - 1150)	3.91	2.20	3.00	5.20 (2.70 - 5.50)	1210 (500 - 1500)	4.30
	18	35	1.50	2.80	4.30 (2.40 - 5.50)	1150 (300 - 1300)	3.74	1.90	3.30	5.20 (2.70 - 5.50)	1250 (500 - 1500)	4.16
	25	25	2.20	2.20	4.30 (2.40 - 5.50)	1260 (300 - 1300)	3.41	2.60	2.60	5.20 (2.70 - 5.50)	1250 (500 - 1500)	4.16
	25	35	1.80	2.50	4.30 (2.40 - 5.50)	1260 (300 - 1300)	3.41	2.30	2.90	5.20 (2.70 - 5.50)	1320 (500 - 1500)	3.94

* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.

RAM-G55N2HCE - Prepare your construction site

RAM-G55N2HCE refrigeration lengths:

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



Specific installation requirements for the RAM-G55N2HCE outdoor unit

- Preloaded for **35 m.**
- Always connect the most powerful indoor unit to the lowest connection. No additional charge necessary.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

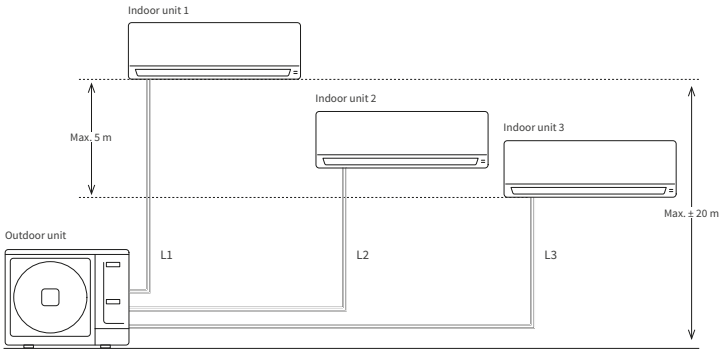
	Combinations		COOLING MODE					HEATING MODE				
			Power of the unit (kW)		Total power (kW)	Total power input (W)	EER	Power of the unit (kW)		Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	1.50	-	1.50 (1.50 - 1.70)	430 (350 - 480)	3.49	2.00	-	2 (1.50 - 2.20)	850 (350 - 850)	2.35
	18	-	2.00	-	1.80 (1.70 - 2.00)	495 (350 - 750)	3.64	2.50	-	2.50 (2.00 - 3.00)	1000 (350 - 1100)	2.50
	25	-	2.50	-	2.50 (1.70 - 2.80)	700 (350 - 980)	3.57	3.40	-	3.40 (2.00 - 4.00)	1350 (350 - 1600)	2.52
	35	-	3.50	-	3.50 (1.70 - 3.90)	1080 (350 - 1280)	3.24	4.30	-	4.30 (2.00 - 5.20)	1680 (350 - 1820)	2.56
	42 (1)	-	4.20	-	4.20 (1.70 - 4.60)	1280 (350 - 1660)	3.28	5.20	-	5.20 (2.00 - 6.50)	2010 (350 - 2010)	2.59
	50 (1)	-	5.00	-	5.00 (1.70 - 5.50)	1510 (350 - 1660)	3.31	6.50	-	6.50 (2.00 - 7.20)	2010 (350 - 2010)	3.23
	60 (1)	-	6.00	-	5.30 (1.70 - 6.60)	1510 (350 - 1660)	3.51	6.80	-	6.80 (2.00 - 7.20)	2010 (350 - 2010)	3.38
2 indoor units (air/air)	15	15	1.50	1.50	3.00 (2.40 - 3.50)	920 (350 - 1000)	3.26	2.00	2.00	4.00 (2.70 - 4.50)	1734 (350 - 1380)	2.31
	15	18	1.50	1.80	3.30 (2.40 - 3.80)	1000 (350 - 1300)	3.30	2.00	2.50	4.50 (2.70 - 5.00)	1380 (350 - 1870)	3.26
	15	25	1.50	2.50	4.00 (2.40 - 4.50)	1210 (350 - 1250)	3.31	2.00	3.40	5.40 (2.70 - 5.90)	1630 (350 - 2010)	3.31
	15	35	1.50	3.50	5.00 (2.40 - 5.50)	1520 (350 - 1660)	3.29	2.00	4.30	6.30 (2.70 - 6.80)	1723 (350 - 2010)	3.66
	15	42 (1)	1.40	4.10	5.50 (2.40 - 6.60)	1610 (350 - 1660)	3.42	1.90	4.90	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	15	50 (1)	1.30	4.20	5.50 (2.40 - 6.60)	1610 (350 - 1660)	3.42	1.60	5.20	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	18	18	1.80	1.80	3.60 (2.40 - 4.00)	1030 (350 - 1300)	3.50	2.50	2.50	5.00 (2.70 - 6.90)	1690 (350 - 1550)	2.96
	18	25	1.80	2.50	4.30 (2.40 - 4.70)	1310 (350 - 1450)	3.28	2.50	3.40	5.90 (2.70 - 7.20)	1780 (350 - 1920)	3.31
	18	35	1.80	3.50	5.30 (2.40 - 5.80)	1600 (350 - 1660)	3.31	2.50	4.30	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	18	42 (1)	1.70	3.90	5.50 (2.40 - 5.80)	1630 (350 - 1660)	3.37	2.20	4.60	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	18	50 (1)	1.50	4.00	5.50 (2.40 - 6.60)	1630 (350 - 1660)	3.37	1.90	4.90	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	25	25	2.50	2.50	5.00 (2.40 - 5.50)	1520 (350 - 1660)	3.29	3.40	3.40	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	25	35	2.30	3.20	5.50 (2.40 - 6.60)	1630 (350 - 1660)	3.37	3.00	3.80	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	25	42 (1)	2.10	3.40	5.50 (2.40 - 6.60)	1630 (350 - 1660)	3.37	2.70	4.10	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74
	25	50 (1)	1.80	3.70	5.50 (2.40 - 6.60)	1630 (350 - 1660)	3.37	2.30	4.50	6.80 (2.70 - 7.20)	1820 (350 - 2010)	3.74

The total nominal cooling capacity must not exceed 8.5 kW.
* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.
(1) For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.

RAM-G55N3HCE - Prepare your construction site

RAM-G55N3HCE refrigeration lengths:

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



Specific installation requirements for the RAM-G55N3HCE outdoor unit

- Preloaded for **35 m.**
- Provide an additional **20 g/m** from 35 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

	Combinations			COOLING MODE						HEATING MODE					
				Power of the unit (kW)			Total power (kW)	Total power input (W)	EER	Power of the unit (kW)			Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	-	1.50	-	-	1.50 (1.50 - 1.70)	430 (460 - 480)	3.49	2.00	-	-	2.00 (1.50 - 2.20)	550 (430 - 850)	3.64
	18	-	-	2.00	-	-	1.80 (1.70 - 2.00)	495 (460 - 500)	3.64	2.50	-	-	2.50 (2.00 - 3.00)	680 (430 - 1100)	3.68
	25	-	-	2.50	-	-	2.50 (1.70 - 2.80)	700 (460 - 720)	3.57	3.40	-	-	3.40 (2.00 - 4.00)	1070 (430 - 1600)	3.18
	35	-	-	3.50	-	-	3.50 (1.70 - 3.90)	1030 (460 - 1130)	3.40	4.30	-	-	4.30 (2.00 - 5.20)	1420 (430 - 1820)	3.03
	42 (1)	-	-	4.20	-	-	4.20 (1.70 - 4.60)	1295 (460 - 1660)	3.24	5.20	-	-	5.20 (2.00 - 6.50)	1510 (430 - 2010)	3.44
	50 (1)	-	-	5.00	-	-	5.00 (1.70 - 5.50)	1480 (460 - 1660)	3.38	6.50	-	-	6.50 (2.00 - 7.20)	2010 (430 - 2010)	3.23
	60 (1)	-	-	6.00	-	-	5.50 (1.70 - 6.60)	1550 (460 - 1660)	3.55	7.50	-	-	6.80 (2.00 - 7.20)	2010 (430 - 010)	3.38
2 indoor units (air/air)	15	15	-	1.50	1.50	-	3.00 (2.40 - 3.50)	870 (460 - 980)	3.45	2.00	2.00	-	4.00 (2.70 - 4.50)	1030 (500 - 1140)	3.88
	15	18	-	1.50	1.80	-	3.30 (2.40 - 3.80)	950 (460 - 1000)	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)	1230 (460 - 1300)	3.25	2.00	3.40	-	5.40 (2.70 - 5.90)	1430 (500 - 1584)	3.78
	15	35	-	1.50	3.50	-	5.00 (2.40 - 5.50)	1450 (460 - 1450)	3.45	2.00	4.30	-	6.30 (2.70 - 6.80)	1670 (500 - 1860)	3.77
	15	42 (1)	-	1.40	4.10	-	5.50 (2.40 - 7.00)	1580 (460 - 1660)	3.48	1.90	4.90	-	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	15	50 (1)	-	1.30	4.20	-	5.50 (2.40 - 6.60)	1660 (460 - 1660)	3.31	1.60	5.20	-	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	18	18	-	1.80	1.80	-	3.60 (2.40 - 4.00)	1020 (460 - 1020)	3.53	2.50	2.50	-	5.00 (2.70 - 6.90)	1300 (500 - 1710)	3.85
	18	25	-	1.80	2.50	-	4.30 (2.40 - 4.70)	1200 (460 - 1360)	3.58	2.50	3.40	-	5.90 (2.70 - 7.20)	1530 (500 - 1990)	3.86
	18	35	-	1.80	3.50	-	5.30 (2.40 - 5.80)	1300 (460 - 1660)	4.08	2.50	4.30	-	6.80 (2.70 - 7.20)	1800 (500 - 2010)	3.78
	18	42 (1)	-	1.70	3.90	-	5.50 (2.40 - 5.80)	1620 (460 - 1660)	3.40	2.20	4.60	-	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	18	50 (1)	-	1.50	4.00	-	5.50 (2.40 - 6.60)	1660 (460 - 1660)	3.31	1.90	4.90	-	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74
	25	25	-	2.50	2.50	-	5.00 (2.40 - 5.50)	1480 (460 - 1660)	3.38	3.40	3.40	-	6.80 (2.70 - 7.20)	1800 (500 - 2010)	3.78
	25	35	-	2.30	3.20	-	5.50 (2.40 - 6.60)	1640 (460 - 1660)	3.35	3.00	3.80	-	6.80 (2.70 - 7.20)	1800 (500 - 2010)	3.78
	25	42 (1)	-	2.10	3.40	-	5.50 (2.40 - 6.60)	1640 (460 - 1660)	3.35	2.70	4.10	-	6.80 (2.70 - 7.20)	1820 (500 - 2010)	3.74

The total nominal cooling capacity must not exceed 8.8 kW.
* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.
(1) For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.

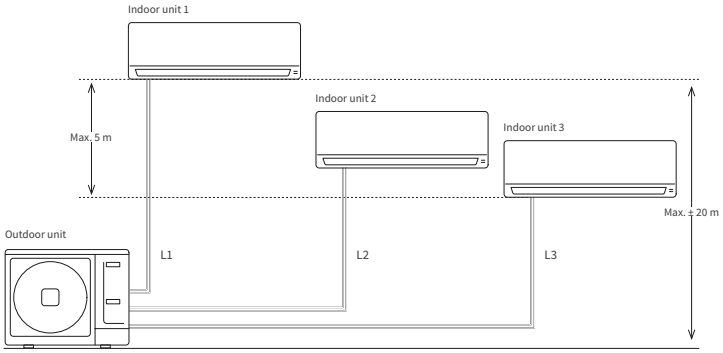
	Combinations			COOLING MODE						HEATING MODE					
				Power of the unit (kW)			Total power (kW)	Total power input (W)	EER	Power of the unit (kW)			Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	15	15	15	1.50	1.50	1.50	4.50 (2.70 - 5.00)	1400 (460 - 1680)	3.21	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)	1480 (460 - 1660)	3.24	2.00	2.00	2.50	6.50 (2.90 - 7.00)	1800 (520 - 2010)	3.61
	15	15	25	1.50	1.50	2.50	5.50 (2.70 - 6.00)	1660 (460 - 1660)	3.31	1.80	1.80	3.10	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	15	15	35	1.30	1.30	3.00	5.50 (2.70 - 6.60)	1660 (460 - 1660)	3.31	1.60	1.60	3.50	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	15	15	42 [1]	1.10	1.10	3.20	5.50 (2.70 - 6.60)	1660 (460 - 1660)	3.31	1.50	1.50	3.80	6.80 (2.90 - 7.20)	1800 (520 - 1848)	3.78
	15	18	18	1.50	1.80	1.80	5.10 (2.70 - 5.60)	1500 (460 - 1660)	3.40	1.90	2.40	2.40	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	15	18	25	1.40	1.70	2.40	5.50 (2.70 - 6.30)	1590 (460 - 1660)	3.46	1.70	2.20	2.90	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	15	18	35	1.20	1.50	2.80	5.50 (2.70 - 6.60)	1680 (460 - 1660)	3.27	1.50	1.90	3.30	6.80 (2.90 - 7.20)	1800 (520 - 1848)	3.78
	15	25	25	1.30	2.10	2.10	5.50 (2.70 - 6.60)	1660 (460 - 1660)	3.31	1.50	2.60	2.60	6.80 (2.90 - 7.20)	1800 (520 - 1848)	3.78
	15	25	35	1.10	1.80	2.60	5.50 (2.40 - 6.60)	1660 (460 - 1660)	3.31	1.40	2.40	3.00	6.80 (2.90 - 7.20)	1800 (520 - 1848)	3.78
	15	35	35	1.00	2.30	2.30	5.50 (2.70 - 6.60)	1660 (460 - 1660)	3.31	1.30	2.80	2.80	6.80 (2.90 - 7.20)	1930 (520 - 2010)	3.52
	18	18	18	1.80	1.80	1.80	5.40 (2.70 - 5.90)	1500 (460 - 1660)	3.60	2.30	2.30	2.30	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	18	18	25	1.60	1.60	2.30	5.50 (2.70 - 6.60)	1610 (460 - 1660)	3.42	2.00	2.00	2.80	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	18	18	35	1.40	1.40	2.70	5.50 (2.70 - 6.60)	1660 (460 - 1660)	3.31	1.80	1.80	3.10	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78
	18	25	25	1.50	2.00	2.00	5.50 (2.70 - 6.60)	1660 (460 - 1660)	3.31	1.80	2.50	2.50	6.80 (2.90 - 7.20)	1800 (520 - 2010)	3.78

The total nominal cooling capacity must not exceed 8.8 kW.
[1] For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.

RAM-G68N3HCE - Prepare your construction site

RAM-G68N3HCE refrigeration lengths:

Indoor unit 1 + Indoor unit 2 + Indoor unit 3 =
Max. 60 m



Specific installation requirements for the RAM-G68N3HCE outdoor unit

- Preloaded for **30 m.**
- Provide an additional **20 g/m** from 30 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

	Combinations			COOLING MODE						HEATING MODE					
				Power of the unit (kW)			Total power (kW)	Total power input (W)	EER	Power of the unit (kW)			Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	-	1.50	-	-	1.50 (1.50 - 1.70)	460 (460 - 500)	3.26	2.00	-	-	2.00 (1.50 - 2.20)	550 (430 - 850)	3.64
	18	-	-	2.00	-	-	1.80 (1.70 - 2.00)	495 (460 - 520)	3.64	2.50	-	-	2.50 (2.00 - 3.00)	680 (430 - 1130)	3.68
	25	-	-	2.50	-	-	2.50 (1.70 - 2.80)	700 (460 - 720)	3.57	3.40	-	-	3.40 (2.00 - 4.00)	1070 (430 - 1480)	3.18
	35	-	-	3.50	-	-	3.50 (1.70 - 3.90)	1030 (460 - 1130)	3.40	4.30	-	-	4.30 (2.00 - 5.20)	1420 (430 - 1950)	3.03
	42 (1)	-	-	4.20	-	-	4.20 (1.70 - 4.60)	1295 (460 - 1800)	3.24	5.20	-	-	5.20 (2.00 - 6.50)	1510 (430 - 2530)	3.44
	50 (1)	-	-	5.00	-	-	5.00 (1.70 - 5.50)	1480 (460 - 1800)	3.38	6.50	-	-	6.50 (2.00 - 7.30)	2010 (430 - 2530)	3.23
	60 (1)	-	-	6.00	-	-	6.00 (1.70 - 6.60)	1550 (460 - 2290)	3.87	7.50	-	-	7.50 (2.00 - 8.20)	2010 (430 - 2860)	3.73
2 indoor units (air/air)	15	15	-	1.50	1.50	-	3.00 (2.40 - 3.50)	908 (460 - 980)	3.31	2.00	2.00	-	4.00 (2.70 - 4.50)	1060.5 (430 - 1100)	3.77
	15	18	-	1.50	1.80	-	3.30 (2.40 - 3.80)	991 (460 - 1000)	3.33	2.00	2.50	-	4.50 (2.70 - 5.00)	1191.8 (430 - 1300)	3.78
	15	25	-	1.50	2.50	-	4.00 (2.40 - 4.50)	1283 (460 - 1300)	3.12	2.00	3.40	-	5.40 (2.70 - 5.90)	1444.3 (430 - 1780)	3.74
	15	35	-	1.50	3.50	-	5.00 (2.40 - 5.50)	1513 (460 - 1450)	3.31	2.00	4.30	-	6.30 (2.70 - 6.80)	1686.7 (430 - 2010)	3.74
	15	42 (1)	-	1.50	4.20	-	5.70 (2.40 - 7.00)	1648 (460 - 2380)	3.46	2.00	5.20	-	7.20 (2.70 - 8.00)	1838.2 (430 - 3120)	3.92
	15	50 (1)	-	1.50	5.00	-	6.50 (2.40 - 7.00)	1732 (460 - 2380)	3.75	2.00	6.50	-	8.50 (2.70 - 9.00)	2121 (430 - 3120)	4.01
	15	60 (1)	-	1.40	5.40	-	6.80 (2.40 - 7.00)	1826 (460 - 2580)	3.72	1.80	6.70	-	8.50 (2.70 - 9.50)	2171.5 (430 - 3120)	3.91
	18	18	-	1.80	1.80	-	3.60 (2.40 - 4.00)	1064 (460 - 1020)	3.38	2.50	2.50	-	5.00 (2.70 - 6.90)	1313 (430 - 2750)	3.81
	18	25	-	1.80	2.50	-	4.30 (2.40 - 4.70)	1252 (460 - 1360)	3.43	2.50	3.40	-	5.90 (2.70 - 7.70)	1747.3 (430 - 3000)	3.38
	18	35	-	1.80	3.50	-	5.30 (2.40 - 5.80)	1356 (460 - 1950)	3.91	2.50	4.30	-	6.80 (2.70 - 8.50)	1818 (430 - 3120)	3.74
	18	42 (1)	-	1.80	4.20	-	6.00 (2.40 - 5.80)	1690 (460 - 2820)	3.55	2.50	5.20	-	7.70 (2.70 - 9.50)	1868.5 (430 - 3120)	4.12
	18	50 (1)	-	1.80	5.00	-	6.80 (2.40 - 7.50)	1732 (460 - 2820)	3.93	2.40	6.10	-	8.50 (2.70 - 9.50)	2121 (430 - 3120)	4.01
	18	60 (1)	-	1.60	5.20	-	6.80 (2.40 - 8.00)	1732 (460 - 2960)	3.93	2.10	6.40	-	8.50 (2.70 - 9.50)	2171.5 (450 - 3120)	3.91
	25	25	-	2.50	2.50	-	5.00 (2.40 - 5.50)	1544 (460 - 1720)	3.24	3.40	3.40	-	6.80 (2.70 - 8.50)	1818 (430 - 3120)	3.74
	25	35	-	2.50	3.50	-	6.00 (2.40 - 6.60)	1711 (460 - 2380)	3.51	3.40	4.30	-	7.70 (2.70 - 9.20)	1949.3 (430 - 3120)	3.95
	25	42 (1)	-	2.50	4.20	-	6.70 (2.40 - 6.60)	1711 (460 - 2960)	3.92	3.40	5.10	-	8.50 (2.70 - 9.20)	1949.3 (430 - 3120)	4.36
	25	50 (1)	-	2.30	4.50	-	6.80 (2.40 - 7.00)	1680 (460 - 2960)	4.05	2.90	5.60	-	8.50 (2.70 - 9.50)	2121 (480 - 3120)	4.01
	25	60 (1)	-	2.00	4.80	-	6.80 (2.40 - 8.00)	1732 (460 - 2960)	3.93	2.70	5.80	-	8.50 (2.70 - 9.50)	2171.5 (500 - 3120)	3.91
	35	35	-	3.40	3.40	-	6.80 (2.40 - 7.70)	1732 (460 - 2940)	3.93	4.30	4.30	-	8.50 (2.70 - 9.50)	1949.3 (450 - 3120)	4.36
	35	42 (1)	-	3.10	3.70	-	6.80 (2.40 - 7.70)	1732 (460 - 2890)	3.93	3.80	4.70	-	8.50 (2.70 - 9.50)	1949.3 (450 - 3120)	4.36
	35	50 (1)	-	2.80	4.00	-	6.80 (2.40 - 8.00)	1732 (460 - 2890)	3.93	3.40	5.10	-	8.50 (2.70 - 9.50)	2121 (500 - 3120)	4.01

The total nominal cooling capacity must not exceed 11 kW.
* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.
(1) For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.

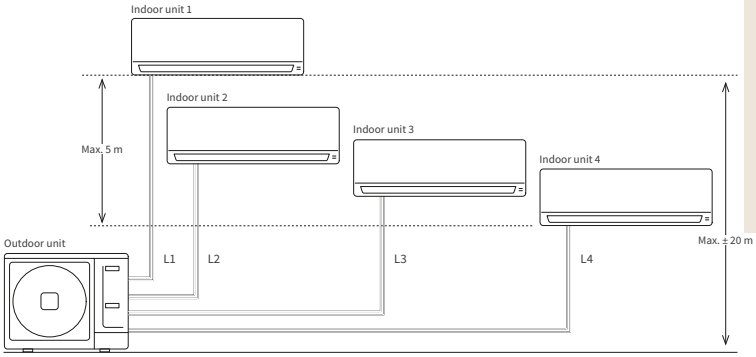
	Combinations			COOLING MODE						HEATING MODE					
				Power of the unit (kW)			Total power (kW)	Total power input (W)	EER	Power of the unit (kW)			Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	15	15	15	1.50	1.50	1.50	4.50 (2.70 - 5.00)	1460 (420 - 1680)	3.08	2.00	2.00	2.00	6.00 (2.90 - 6.50)	1807.9 (430 - 1850)	3.32
	15	15	18	1.50	1.50	1.80	4.80 (2.70 - 5.30)	1544 (240 - 1880)	3.11	2.00	2.00	2.50	6.50 (2.90 - 7.00)	1818 (430 - 2100)	3.58
	15	15	25	1.50	1.50	2.50	5.50 (2.70 - 6.00)	1732 (420 - 2280)	3.18	2.00	2.00	3.40	7.40 (2.90 - 7.90)	1949.3 (430 - 2200)	3.80
	15	15	35	1.50	1.50	3.50	6.50 (2.70 - 7.00)	1732 (420 - 2480)	3.75	2.00	2.00	4.30	8.30 (2.90 - 8.80)	1999.8 (430 - 2500)	4.15
	15	15	42 [1]	1.40	1.40	4.00	6.80 (2.70 - 8.00)	1805 (420 - 2890)	3.77	1.80	1.80	4.80	8.50 (2.70 - 9.50)	2030.1 (430 - 2600)	4.19
	15	15	50 [1]	1.30	1.30	4.30	6.80 (2.70 - 8.00)	1857 (420 - 2890)	3.66	1.60	1.60	5.30	8.50 (2.70 - 9.50)	2171.5 (430 - 2600)	3.91
	15	18	18	1.50	1.80	1.80	5.10 (2.70 - 5.60)	1565 (420 - 2280)	3.26	2.00	2.50	2.50	7.00 (2.90 - 7.50)	1818 (430 - 2400)	3.85
	15	18	25	1.50	1.80	2.50	5.80 (2.70 - 6.30)	1659 (420 - 2480)	3.50	2.00	2.50	3.40	7.90 (2.90 - 8.40)	1969.5 (430 - 2600)	4.01
	15	18	35	1.50	1.80	3.50	6.80 (2.70 - 7.30)	1805 (420 - 2480)	3.77	1.90	2.40	4.20	8.50 (2.90 - 9.30)	1999.8 (430 - 2600)	4.25
	15	18	42 [1]	1.40	1.60	3.80	6.80 (2.40 - 7.00)	1878 (420 - 2890)	3.62	1.80	2.20	4.60	8.50 (2.70 - 9.50)	1999.8 (430 - 2600)	4.25
	15	18	50 [1]	1.20	1.50	4.10	6.80 (2.70 - 8.00)	1888 (420 - 2890)	3.60	1.50	1.90	5.00	8.50 (2.70 - 9.50)	2171.5 (430 - 2600)	3.91
	15	25	25	1.50	2.50	2.50	6.50 (2.70 - 7.00)	1732 (420 - 2480)	3.75	1.90	3.30	3.30	8.50 (2.90 - 9.30)	2009.9 (430 - 2600)	4.23
	15	25	35	1.40	2.30	3.20	6.80 (2.40 - 7.00)	1805 (420 - 2890)	3.77	1.80	3.00	3.80	8.50 (2.70 - 9.50)	2030.1 (430 - 2600)	4.19
	15	25	42 [1]	1.20	2.10	3.50	6.80 (2.70 - 8.00)	1857 (420 - 2960)	3.66	1.60	2.70	4.20	8.50 (2.70 - 11.00)	1949.3 (430 - 2600)	4.36
	15	35	35	1.20	2.80	2.80	6.80 (2.70 - 8.00)	1805 (420 - 2890)	3.77	1.60	3.40	3.40	8.50 (2.70 - 9.50)	1949.3 (430 - 2600)	4.36
	18	18	18	1.80	1.80	1.80	5.40 (2.70 - 5.90)	1565 (460 - 2190)	3.45	2.50	2.50	2.50	7.50 (2.9 - 9.10)	1949.3 (430 - 2600)	3.85
	18	18	25	1.80	1.80	2.50	6.10 (2.70 - 6.70)	1680 (460 - 2480)	3.63	2.50	2.50	3.40	8.40 (2.9 - 9.50)	1999.8 (430 - 2600)	4.20
	18	18	35	1.70	1.70	3.40	6.80 (2.70 - 7.80)	1805 (460 - 2890)	3.77	2.30	2.30	3.90	8.50 (2.70 - 9.50)	2030.1 (430 - 2600)	4.19
	18	18	42 [1]	1.60	1.60	3.70	6.80 (2.70 - 7.80)	1857 (460 - 2960)	3.66	2.10	2.10	4.30	8.50 (2.70 - 9.50)	2030.1 (430 - 2600)	4.19
	18	18	50 [1]	1.40	1.40	4.00	6.80 (2.70 - 8.00)	1878 (460 - 2960)	3.62	1.80	1.80	4.80	8.50 (2.70 - 9.50)	2171.5 (430 - 2600)	3.91
	18	25	25	1.80	2.50	2.50	6.80 (2.70 - 7.50)	1805 (460 - 2780)	3.77	2.30	3.10	3.10	8.50 (2.70 - 9.50)	1818 (430 - 2600)	4.68
	18	25	35	1.60	2.20	3.10	6.80 (2.70 - 8.00)	1805 (460 - 2960)	3.77	2.10	2.80	3.60	8.50 (2.70 - 9.50)	1838.2 (430 - 2600)	4.62
	18	25	42 [1]	1.40	2.00	3.40	6.80 (2.70 - 8.00)	1857 (460 - 2770)	3.66	1.90	2.60	4.00	8.50 (2.70 - 9.50)	2020 (430 - 2600)	4.21
	18	35	35	1.40	2.70	2.70	6.80 (2.70 - 8.00)	1773 (460 - 2960)	3.83	1.90	3.30	3.30	8.50 (2.70 - 9.50)	2121 (430 - 2600)	4.01
	25	25	25	2.30	2.30	2.30	6.80 (2.40 - 7.00)	1805 (460 - 2890)	3.77	2.80	2.80	2.80	8.50 (2.70 - 9.50)	2272.5 (430 - 2600)	3.74
	25	25	35	2.00	2.00	2.80	6.80 (2.70 - 8.00)	1805 (460 - 2960)	3.77	2.60	2.60	3.30	8.50 (2.70 - 9.50)	2272.5 (430 - 2600)	3.74

The total nominal cooling capacity must not exceed 11 kW.
[1] For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.

RAM-G70N4HCE - Prepare your construction site

RAM-G70N4HCE refrigeration lengths:

Indoor unit 1 + Indoor unit 2 + Indoor unit 3 + Indoor unit 4 =
Max. 60 m



Specific installation requirements for the RAM-G70N4HCE outdoor unit

- Preloaded for **30 m.**
- Provide an additional **20 g/m** from 30 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

	Combinations				COOLING MODE							HEATING MODE						
					Power of the unit (kW)				Total power (kW)	Total power input (W)	EER	Power of the unit (kW)				Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	-	-	1.50	-	-	-	1.50 (1.50 - 1.70)	460 (320 - 480)	3.26	2.00	-	-	-	2.00 (1.50 - 2.20)	550 (360 - 850)	3.64
	18	-	-	-	2.00	-	-	-	1.80 (1.70 - 2.00)	495 (320 - 610)	3.64	2.50	-	-	-	2.50 (2.00 - 3.00)	680 (360 - 1100)	3.68
	25	-	-	-	2.50	-	-	-	2.50 (1.70 - 2.80)	700 (320 - 860)	3.57	3.40	-	-	-	3.40 (2.00 - 4.00)	1070 (360 - 1600)	3.18
	35	-	-	-	3.50	-	-	-	3.50 (1.70 - 3.90)	1030 (320 - 1270)	3.40	4.30	-	-	-	4.30 (2.00 - 5.20)	1420 (360 - 1820)	3.03
	42(1)	-	-	-	4.20	-	-	-	4.20 (1.70 - 4.60)	1295 (320 - 1560)	3.24	5.20	-	-	-	5.20 (2.00 - 6.50)	1510 (360 - 2240)	3.44
	50(1)	-	-	-	5.00	-	-	-	5.00 (1.70 - 5.50)	1480 (320 - 1860)	3.38	6.50	-	-	-	6.50 (2.00 - 7.30)	2010 (360 - 2580)	3.23
	60(1)	-	-	-	6.00	-	-	-	6.00 (1.70 - 6.60)	1550 (320 - 2100)	3.87	7.50	-	-	-	7.50 (2.00 - 8.20)	2010 (360 - 2950)	3.73
	70(1)	-	-	-	7.00	-	-	-	7.00 (1.70 - 7.70)	1830 (320 - 2100)	3.83	8.20	-	-	-	8.20 (2.00 - 9.00)	2200 (360 - 2950)	3.73
2 indoor units (air/air)	15	15	-	-	1.50	1.50	-	-	3.00 (2.40 - 3.50)	908 (500 - 1400)	3.31	2.00	2.00	-	-	4.00 (2.70 - 4.50)	1060.5 (500 - 1140)	3.77
	15	18	-	-	1.50	1.80	-	-	3.30 (2.40 - 3.80)	991 (500 - 1600)	3.33	2.00	2.50	-	-	4.50 (2.70 - 5.00)	1191.8 (500 - 1416)	3.78
	15	25	-	-	1.50	2.50	-	-	4.00 (2.40 - 4.50)	1283 (500 - 1650)	3.12	2.00	3.40	-	-	5.40 (2.70 - 5.90)	1444.3 (500 - 1584)	3.74
	15	35	-	-	1.50	3.50	-	-	5.00 (2.40 - 5.50)	1513 (500 - 1660)	3.31	2.00	4.30	-	-	6.30 (2.70 - 6.80)	1686.7 (500 - 1860)	3.74
	15	42(1)	-	-	1.50	4.20	-	-	5.70 (2.40 - 7.00)	1648 (500 - 2300)	3.46	2.00	5.20	-	-	7.20 (2.70 - 8.00)	1838.2 (500 - 2560)	3.92
	15	50(1)	-	-	1.50	5.00	-	-	6.50 (2.40 - 7.00)	1732 (500 - 2300)	3.75	2.00	6.50	-	-	8.50 (2.70 - 9.00)	2121 (500 - 2760)	4.01
	15	60(1)	-	-	1.40	5.60	-	-	7.00 (2.40 - 7.00)	1826 (500 - 2300)	3.83	1.80	6.70	-	-	8.50 (2.70 - 10.00)	2171.5 (500 - 2760)	3.91
	15	70(1)	-	-	1.20	5.80	-	-	7.00 (2.40 - 7.00)	2000 (500 - 2300)	3.50	1.70	6.80	-	-	8.50 (2.70 - 10.00)	2280 (500 - 2760)	3.73
	18	18	-	-	1.80	1.80	-	-	3.60 (2.40 - 4.00)	1064 (500 - 1660)	3.38	2.50	2.50	-	-	5.00 (2.70 - 6.90)	1313 (500 - 1710)	3.81
	18	25	-	-	1.80	2.50	-	-	4.30 (2.40 - 4.70)	1252 (500 - 1660)	3.43	2.50	3.40	-	-	5.90 (2.70 - 7.70)	1747.3 (500 - 1990)	3.38
	18	35	-	-	1.80	3.50	-	-	5.30 (2.40 - 5.80)	1356 (500 - 1660)	3.91	2.50	4.30	-	-	6.80 (2.70 - 8.50)	1818 (500 - 2320)	3.74
	18	42(1)	-	-	1.80	4.20	-	-	6.00 (2.40 - 5.80)	1690 (500 - 2300)	3.55	2.50	5.20	-	-	7.70 (2.70 - 9.50)	1868.5 (500 - 2880)	4.12
	18	50(1)	-	-	1.80	5.00	-	-	6.80 (2.40 - 7.50)	1732 (500 - 2300)	3.93	2.40	6.10	-	-	8.50 (2.70 - 9.50)	2121 (500 - 2880)	4.01
	18	60(1)	-	-	1.60	5.40	-	-	7.00 (2.40 - 8.50)	1732 (500 - 2300)	4.04	2.10	6.40	-	-	8.50 (2.70 - 9.50)	2171.5 (500 - 2880)	3.91
	18	70(1)	-	-	1.40	5.60	-	-	7.00 (2.40 - 8.50)	2000 (500 - 2300)	3.50	2.00	6.50	-	-	8.50 (2.70 - 9.50)	2280 (500 - 2880)	3.73
	25	25	-	-	2.50	2.50	-	-	5.00 (2.40 - 5.50)	1544 (500 - 2300)	3.24	3.40	3.40	-	-	6.80 (2.70 - 8.50)	1818 (500 - 2250)	3.74
	25	35	-	-	2.50	3.50	-	-	6.00 (2.40 - 6.60)	1711 (500 - 2300)	3.51	3.40	4.30	-	-	7.70 (2.70 - 9.20)	1949.3 (500 - 2590)	3.95
	25	42(1)	-	-	2.50	4.20	-	-	6.70 (2.40 - 6.60)	1711 (500 - 2300)	3.92	3.40	5.10	-	-	8.50 (2.70 - 9.20)	1949.3 (500 - 3110)	4.36
	25	50(1)	-	-	2.30	4.70	-	-	7.00 (2.40 - 7.00)	1680 (500 - 2300)	4.17	2.90	5.60	-	-	8.50 (2.70 - 9.50)	2121 (500 - 3110)	4.01
	25	60(1)	-	-	2.10	4.90	-	-	7.00 (2.40 - 8.80)	1732 (500 - 2300)	4.04	2.70	5.80	-	-	8.50 (2.70 - 9.50)	2171.5 (500 - 3110)	3.91
	25	70(1)	-	-	1.80	5.20	-	-	7.00 (2.40 - 8.80)	2000 (500 - 2300)	3.50	2.50	6.00	-	-	8.50 (2.70 - 9.50)	2280 (500 - 3110)	3.73
	35	35	-	-	3.50	3.50	-	-	7.00 (2.40 - 7.70)	1732 (500 - 2300)	4.04	4.30	4.30	-	-	8.50 (2.70 - 9.50)	1949.3 (500 - 2860)	4.36
	35	42(1)	-	-	3.20	3.80	-	-	7.00 (2.40 - 7.70)	1732 (500 - 2300)	4.04	3.80	4.70	-	-	8.50 (2.70 - 9.50)	1949.3 (500 - 3120)	4.36
	35	50(1)	-	-	2.90	4.10	-	-	7.00 (2.40 - 8.80)	1732 (500 - 2300)	4.04	3.40	5.10	-	-	8.50 (2.70 - 9.50)	2121 (500 - 3120)	4.01
	42(1)	42(1)	-	-	3.50	3.50	-	-	7.00 (2.40 - 8.80)	1805 (500 - 3200)	3.88	4.30	4.30	-	-	8.50 (2.70 - 9.50)	2121 (500 - 3120)	4.01

The total nominal cooling capacity must not exceed 11 kW.
* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.
(1) For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations				COOLING MODE							HEATING MODE						
					Power of the unit (kW)				Total power (kW)	Total power input (W)	EER	Power of the unit (kW)				Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	15	15	15	-	1.50	1.50	1.50	-	4.50 (2.70 - 5.00)	1460 (510 - 2300)	3.08	2.00	2.00	2.00	-	6.00 (2.90 - 6.50)	1807.9 (520 - 1848)	3.32
	15	15	18	-	1.50	1.50	1.80	-	4.80 (2.70 - 5.30)	1544 (510 - 2300)	3.11	2.00	2.00	2.50	-	6.50 (2.90 - 7.00)	1818 (520 - 2160)	3.58
	15	15	25	-	1.50	1.50	2.50	-	5.50 (2.70 - 6.00)	1732 (510 - 2300)	3.18	2.00	2.00	3.40	-	7.40 (2.90 - 7.90)	1949.3 (520 - 2412)	3.80
	15	15	35	-	1.50	1.50	3.50	-	6.50 (2.70 - 7.00)	1732 (510 - 2678)	3.75	2.00	2.00	4.30	-	8.30 (2.90 - 8.80)	1999.8 (520 - 2904)	4.15
	15	15	42[1]	-	1.50	1.50	4.10	-	7.00 (2.70 - 8.50)	1805 (510 - 2676)	3.88	1.80	1.80	4.80	-	8.50 (2.90 - 9.50)	2030.1 (520 - 1848)	4.19
	15	15	50[1]	-	1.30	1.30	4.40	-	7.00 (2.70 - 8.50)	1857 (510 - 2950)	3.77	1.60	1.60	5.30	-	8.50 (2.90 - 9.50)	2171.5 (520 - 1848)	3.91
	15	15	60[1]	-	1.20	1.20	4.70	-	7.00 (2.70 - 8.50)	1930 (510 - 2950)	3.63	1.50	1.50	5.50	-	8.50 (2.90 - 9.50)	2211.9 (520 - 1848)	3.84
	15	18	18	-	1.50	1.80	1.80	-	5.10 (2.70 - 5.60)	1565 (510 - 2560)	3.26	2.00	2.50	2.50	-	7.00 (2.90 - 7.50)	1818 (520 - 2280)	3.85
	15	18	25	-	1.50	1.80	2.50	-	5.80 (2.70 - 6.30)	1659 (510 - 2560)	3.50	2.00	2.50	3.40	-	7.90 (2.90 - 8.40)	1969.5 (520 - 2616)	4.01
	15	18	35	-	1.50	1.80	3.50	-	6.80 (2.70 - 7.30)	1805 (510 - 2560)	3.77	1.90	2.40	4.20	-	8.50 (2.90 - 9.30)	1999.8 (520 - 1848)	4.25
	15	18	42[1]	-	1.40	1.70	3.90	-	7.00 (2.40 - 7.00)	1878 (510 - 2560)	3.73	1.80	2.20	4.60	-	8.50 (2.90 - 9.50)	1999.8 (520 - 3120)	4.25
	15	18	50[1]	-	1.30	1.50	4.20	-	7.00 (2.70 - 8.80)	1888 (510 - 2880)	3.71	1.50	1.90	5.00	-	8.50 (2.90 - 9.50)	2171.5 (520 - 3120)	3.91
	15	18	60[1]	-	1.10	1.40	4.50	-	7.00 (2.70 - 8.80)	1930 (510 - 2880)	3.63	1.40	1.80	5.30	-	8.50 (2.90 - 9.50)	2171.5 (520 - 3120)	3.91
	15	25	25	-	1.50	2.50	2.50	-	6.50 (2.70 - 7.00)	1732 (510 - 2560)	3.75	1.90	3.30	3.30	-	8.50 (2.90 - 9.30)	2009.9 (520 - 1848)	4.23
	15	25	35	-	1.40	2.30	3.30	-	7.00 (2.40 - 7.00)	1805 (510 - 2880)	3.88	1.80	3.00	3.80	-	8.50 (2.90 - 9.50)	2030.1 (520 - 1848)	4.19
	15	25	42[1]	-	1.30	2.10	3.60	-	7.00 (2.70 - 8.80)	1857 (510 - 2880)	3.77	1.60	2.70	4.20	-	8.50 (2.90 - 9.50)	1949.3 (520 - 1848)	4.36
	15	35	35	-	1.20	2.90	2.90	-	7.00 (2.70 - 8.80)	1805 (510 - 2880)	3.88	1.60	3.40	3.40	-	8.50 (2.90 - 9.50)	1949.3 (520 - 3120)	4.36
	18	18	18	-	1.80	1.80	1.80	-	5.40 (2.70 - 8.80)	1565 (510 - 1780)	3.45	2.50	2.50	2.50	-	7.50 (2.90 - 9.10)	1949.3 (520 - 2440)	3.85
	18	18	25	-	1.80	1.80	2.50	-	6.10 (2.70 - 6.70)	1680 (510 - 2150)	3.63	2.50	2.50	3.40	-	8.40 (2.90 - 9.50)	1999.8 (520 - 2620)	4.20
	18	18	35	-	1.80	1.80	3.50	-	7.00 (2.70 - 8.80)	1805 (510 - 2310)	3.88	2.30	2.30	3.90	-	8.50 (2.90 - 9.50)	2030.1 (520 - 2740)	4.19
	18	18	42[1]	-	1.60	1.60	3.80	-	7.00 (2.70 - 8.80)	1857 (510 - 3200)	3.77	2.10	2.10	4.30	-	8.50 (2.90 - 9.50)	2030.1 (520 - 3060)	4.19
	18	18	50[1]	-	1.50	1.50	4.10	-	7.00 (2.70 - 8.80)	1878 (510 - 3200)	3.73	1.80	1.80	4.80	-	8.50 (2.90 - 9.50)	2171.5 (520 - 3060)	3.91
	18	25	25	-	1.80	2.50	2.50	-	6.80 (2.70 - 7.50)	1805 (510 - 2260)	3.77	2.30	3.10	3.10	-	8.50 (2.90 - 9.50)	1818 (520 - 2760)	4.68
	18	25	35	-	1.60	2.20	3.10	-	7.00 (2.70 - 8.60)	1805 (510 - 2660)	3.88	2.10	2.80	3.60	-	8.50 (2.90 - 9.50)	1838.2 (520 - 2880)	4.62
	18	25	42[1]	-	1.50	2.10	3.50	-	7.00 (2.70 - 8.60)	1857 (510 - 3200)	3.77	1.90	2.60	4.00	-	8.50 (2.90 - 11.00)	2020 (520 - 3120)	4.21
	18	35	35	-	1.40	2.80	2.80	-	7.00 (2.70 - 8.80)	1773 (510 - 3200)	3.95	1.90	3.30	3.30	-	8.50 (2.90 - 9.50)	2121 (520 - 3060)	4.01
	25	25	25	-	2.30	2.30	2.30	-	7.00 (2.40 - 7.00)	1805 (510 - 3200)	3.88	2.80	2.80	2.80	-	8.50 (2.90 - 9.50)	2272.5 (520 - 2920)	3.74
	25	25	35	-	2.10	2.10	2.90	-	7.00 (2.70 - 8.80)	1805 (510 - 3200)	3.88	2.60	2.60	3.30	-	8.50 (2.90 - 9.50)	2272.5 (520 - 3070)	3.74
4 indoor units (air/air)	15	15	15	15	1.50	1.50	1.50	1.50	6.00 (2.70 - 6.50)	1732 (550 - 2530)	3.46	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 (2.40 - 3.50)	1732 (550 - 2530)	3.64	2.00	2.00	2.00	2.50	8.50 (3.00 - 9.00)	2000 (540 - 2760)	4.25
	15	15	15	25	1.50	1.50	1.50	2.50	7.00 (2.40 - 3.50)	1804 (550 - 2530)	3.88	1.80	1.80	1.80	3.10	8.50 (3.00 - 9.50)	2030 (540 - 3036)	4.19
	15	15	15	35	1.30	1.30	1.30	3.10	7.00 (2.40 - 3.50)	1865 (550 - 2792)	3.75	1.70	1.70	1.70	3.50	8.50 (3.00 - 9.50)	2040 (540 - 3120)	4.17
	15	15	15	42[1]	1.20	1.20	1.20	3.40	7.00 (2.40 - 3.50)	1880 (550 - 2792)	3.72	1.50	1.50	1.50	3.90	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	15	18	18	1.50	1.50	1.80	1.80	6.60 (2.40 - 3.50)	1790 (550 - 2700)	3.69	1.90	1.90	2.40	2.40	8.50 (3.00 - 9.50)	2280 (540 - 3048)	3.73
	15	15	18	25	1.40	1.40	1.70	2.40	7.00 (2.40 - 3.50)	1840 (550 - 2720)	3.80	1.70	1.70	2.10	2.90	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	15	18	35	1.30	1.30	1.50	3.00	7.00 (2.40 - 3.50)	1880 (550 - 2816)	3.72	1.60	1.60	2.00	3.40	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	15	18	42[1]	1.20	1.20	1.40	3.30	7.00 (2.40 - 3.50)	1910 (550 - 3120)	3.66	1.50	1.50	1.80	3.80	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	15	25	25	1.30	1.30	2.20	2.20	7.00 (2.40 - 3.50)	1865 (550 - 2580)	3.75	1.60	1.60	2.70	2.70	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	15	25	35	1.20	1.20	1.90	2.70	7.00 (2.40 - 3.50)	1910 (550 - 3120)	3.66	1.50	1.50	2.50	3.10	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	18	18	18	1.50	1.80	1.80	1.80	6.90 (2.40 - 3.80)	1860 (550 - 2244)	3.71	1.80	2.20	2.20	2.20	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	18	18	25	1.40	1.70	1.70	2.30	7.00 (2.40 - 3.80)	1880 (550 - 2568)	3.72	1.60	2.00	2.00	2.80	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	18	18	35	1.20	1.50	1.50	2.80	7.00 (2.40 - 3.80)	1770 (550 - 3060)	3.95	1.50	1.90	1.90	3.20	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	15	18	25	25	1.30	1.50	2.10	2.10	7.00 (2.40 - 3.80)	1900 (550 - 3200)	3.68	1.50	1.90	2.60	2.60	8.50 (3.00 - 9.50)	2200 (540 - 3120)	3.86
	15	25	25	25	1.20	1.90	1.90	1.90	7.00 (2.40 - 4.50)	1980 (550 - 3132)	3.54	1.40	2.40	2.40	2.40	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	18	18	18	18	1.80	1.80	1.80	1.80	7.00 (2.70 - 8.80)	1830 (550 - 2292)	3.83	2.10	2.10	2.10	2.10	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	18	18	18	25	1.60	1.60	1.60	2.20	7.00 (2.70 - 8.80)	1830 (550 - 3120)	3.83	1.90	1.90	1.90	2.70	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	18	18	18	35	1.40	1.40	1.40	2.80	7.00 (2.70 - 8.80)	1880 (550 - 3120)	3.72	1.80	1.80	1.80	3.10	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	18	18	25	25	1.50	1.50	2.00	2.00	7.00 (2.90 - 8.80)	1930 (550 - 3200)	3.63	1.80	1.80	2.40	2.40	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73
	18	18	25	35	1.30	1.30	1.80	2.60	7.00 (2.90 - 8.80)	1980 (550 - 3200)	3.54	1.70	1.70	2.30	2.90	8.50 (3.00 - 9.50)	2280 (540 - 3120)	3.73

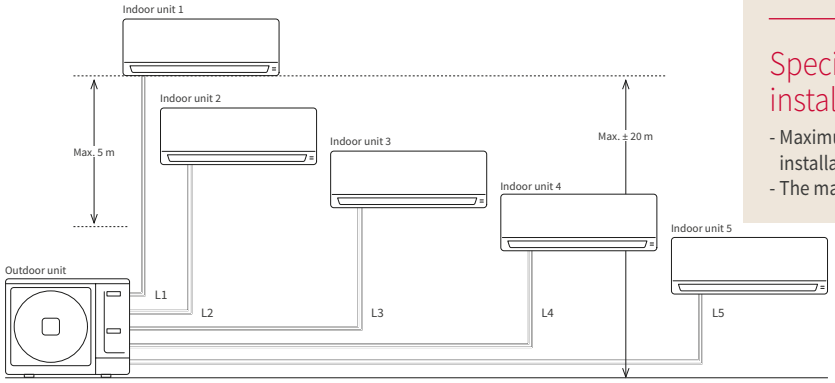
The total nominal cooling capacity must not exceed 11 kW.

[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

RAM-G85N5HCE - Prepare your construction site

RAM-G85N5HCE refrigeration lengths:

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



Specific installation requirements for the RAM-G85N5HCE outdoor unit

- Preloaded for **35 m.**
- Provide an additional **22 g/m** from 35 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	-	-	-	1.50	-	-	-	-	1.50 (1.50 - 1.70)	460 (320 - 480)	3.26	2.00	-	-	-	-	2.00 (1.50 - 2.20)	610 (360 - 850)	3.28
	18	-	-	-	-	2.00	-	-	-	-	1.80 (1.70 - 2.00)	560 (320 - 610)	3.21	2.50	-	-	-	-	2.50 (2.00 - 3.00)	750 (360 - 1100)	3.33
	25	-	-	-	-	2.50	-	-	-	-	2.50 (1.70 - 2.80)	750 (320 - 860)	3.33	3.40	-	-	-	-	3.40 (2.00 - 4.00)	1020 (360 - 1600)	3.33
	35	-	-	-	-	3.50	-	-	-	-	3.50 (1.70 - 3.90)	1020 (320 - 1270)	3.43	4.30	-	-	-	-	4.30 (2.00 - 5.20)	1360 (360 - 1820)	3.16
	42 (1)	-	-	-	-	4.20	-	-	-	-	4.20 (1.70 - 4.60)	1230 (320 - 1560)	3.41	5.20	-	-	-	-	5.20 (2.00 - 6.50)	1600 (360 - 2240)	3.25
	50 (1)	-	-	-	-	5.00	-	-	-	-	5.00 (1.70 - 5.50)	1480 (320 - 1860)	3.38	6.50	-	-	-	-	6.50 (2.00 - 7.30)	1600 (360 - 2580)	4.06
	60 (1)	-	-	-	-	6.00	-	-	-	-	6.00 (1.70 - 6.60)	1900 (320 - 2100)	3.16	7.50	-	-	-	-	7.50 (2.00 - 8.20)	1900 (360 - 2950)	3.95
	70 (1)	-	-	-	-	7.00	-	-	-	-	7.00 (1.70 - 7.70)	2300 (320 - 2100)	3.04	8.20	-	-	-	-	8.20 (2.00 - 9.00)	2630 (360 - 2950)	3.12
2 indoor units (air/air)	15	15	-	-	-	1.50	1.50	-	-	-	3.00 (2.40 - 3.50)	1300 (500 - 1000)	2.31	2.00	2.00	-	-	-	4.00 (2.70 - 4.50)	1100 (500 - 1140)	3.64
	15	18	-	-	-	1.50	1.80	-	-	-	3.30 (2.40 - 3.80)	1400 (500 - 1300)	2.36	2.00	2.50	-	-	-	4.50 (2.70 - 5.00)	1250 (500 - 1416)	3.60
	15	25	-	-	-	1.50	2.50	-	-	-	4.00 (2.40 - 4.50)	1400 (500 - 1250)	2.86	2.00	3.40	-	-	-	5.40 (2.70 - 5.90)	1400 (500 - 1584)	3.86
	15	35	-	-	-	1.50	3.50	-	-	-	5.00 (2.40 - 5.50)	1550 (500 - 1660)	3.23	2.00	4.30	-	-	-	6.30 (2.70 - 6.80)	1600 (500 - 1860)	3.94
	15	42 (1)	-	-	-	1.50	4.20	-	-	-	5.70 (2.40 - 7.00)	1550 (500 - 1660)	3.68	2.00	5.20	-	-	-	7.20 (2.70 - 8.00)	1850 (500 - 2560)	3.89
	15	50 (1)	-	-	-	1.50	5.00	-	-	-	6.50 (2.40 - 7.00)	1550 (500 - 1660)	4.19	2.00	6.50	-	-	-	8.50 (2.70 - 9.00)	2300 (500 - 2760)	3.70
	15	60 (1)	-	-	-	1.50	6.00	-	-	-	7.50 (2.40 - 7.00)	2580 (500 - 1660)	2.91	2.00	7.50	-	-	-	9.50 (2.70 - 10.00)	2650 (500 - 2760)	3.58
	15	70 (1)	-	-	-	1.50	7.00	-	-	-	8.50 (2.40 - 7.00)	2630 (500 - 1660)	3.23	2.00	8.00	-	-	-	10.00 (2.70 - 10.00)	2680 (500 - 2760)	3.73
	18	18	-	-	-	1.80	1.80	-	-	-	3.60 (2.40 - 4.00)	1400 (500 - 1300)	2.57	2.50	2.50	-	-	-	5.00 (2.70 - 6.90)	1560 (500 - 1710)	3.21
	18	25	-	-	-	1.80	2.50	-	-	-	4.30 (2.40 - 4.70)	1450 (500 - 1450)	2.97	2.50	3.40	-	-	-	5.90 (2.70 - 7.70)	1600 (500 - 1990)	3.69
	18	35	-	-	-	1.80	3.50	-	-	-	5.30 (2.40 - 5.80)	1550 (500 - 1660)	3.42	2.50	4.30	-	-	-	6.80 (2.70 - 8.50)	1860 (500 - 2320)	3.66
	18	42 (1)	-	-	-	1.80	4.20	-	-	-	6.00 (2.40 - 5.80)	2050 (500 - 1660)	2.93	2.50	5.20	-	-	-	7.70 (2.70 - 10.00)	1900 (500 - 2880)	4.05
	18	50 (1)	-	-	-	1.80	5.00	-	-	-	6.80 (2.40 - 7.50)	2050 (500 - 1660)	3.32	2.50	6.50	-	-	-	9.00 (2.70 - 10.00)	2010 (500 - 2880)	4.48
	18	60 (1)	-	-	-	1.80	6.00	-	-	-	7.80 (2.40 - 8.50)	2580 (500 - 1660)	3.02	2.50	7.50	-	-	-	10.00 (2.70 - 10.00)	2650 (500 - 2880)	3.77
	18	70 (1)	-	-	-	1.70	6.80	-	-	-	8.50 (2.40 - 8.50)	2630 (500 - 1660)	3.23	2.30	7.70	-	-	-	10.00 (2.70 - 10.00)	2650 (500 - 2880)	3.77
	25	25	-	-	-	2.50	2.50	-	-	-	5.00 (2.40 - 5.50)	1550 (500 - 1660)	3.23	3.40	3.40	-	-	-	6.80 (2.70 - 8.50)	1800 (500 - 2250)	3.78
	25	35	-	-	-	2.50	3.50	-	-	-	6.00 (2.40 - 6.60)	2050 (500 - 1660)	2.93	3.40	4.30	-	-	-	7.70 (2.70 - 9.20)	1900 (500 - 2590)	4.05
	25	42 (1)	-	-	-	2.50	4.20	-	-	-	6.70 (2.40 - 6.60)	2050 (500 - 1660)	3.27	3.40	5.20	-	-	-	8.60 (2.70 - 9.20)	1980 (500 - 3110)	4.34
	25	50 (1)	-	-	-	2.50	5.00	-	-	-	7.50 (2.40 - 7.00)	2580 (500 - 1660)	2.91	3.40	6.50	-	-	-	9.90 (2.70 - 10.50)	2560 (500 - 3110)	3.87
	25	60 (1)	-	-	-	2.50	6.00	-	-	-	8.50 (2.40 - 8.80)	2630 (500 - 1660)	3.23	3.10	6.90	-	-	-	10.00 (2.70 - 11.00)	2540 (500 - 3110)	3.94
	25	70 (1)	-	-	-	2.20	6.30	-	-	-	8.50 (2.40 - 8.80)	2630 (500 - 1660)	3.23	2.90	7.10	-	-	-	10.00 (2.70 - 11.00)	2540 (500 - 3110)	3.94
	35	35	-	-	-	3.50	3.50	-	-	-	7.00 (2.40 - 7.70)	2280 (500 - 1660)	3.07	4.30	4.30	-	-	-	8.60 (2.70 - 10.00)	1850 (500 - 2860)	4.65
	35	42 (1)	-	-	-	3.50	4.20	-	-	-	7.70 (2.40 - 7.70)	2580 (500 - 1660)	2.98	4.30	5.20	-	-	-	9.50 (2.70 - 11.00)	2300 (500 - 3320)	4.13
	35	50 (1)	-	-	-	3.50	5.00	-	-	-	8.50 (2.40 - 8.80)	2500 (500 - 1660)	3.40	4.00	6.00	-	-	-	10.00 (2.70 - 11.00)	2560 (500 - 3320)	3.90
	35	60 (1)	-	-	-	3.10	5.40	-	-	-	8.50 (2.40 - 9.10)	2630 (500 - 1660)	3.23	3.60	6.40	-	-	-	10.00 (2.70 - 11.40)	2540 (500 - 3320)	3.94
	35	70 (1)	-	-	-	2.80	5.70	-	-	-	8.50 (2.40 - 9.10)	2630 (500 - 1660)	3.23	3.40	6.60	-	-	-	10.00 (2.70 - 11.40)	2680 (500 - 3320)	3.73
	42 (1)	42 (1)	-	-	-	4.20	4.20	-	-	-	8.40 (2.40 - 8.80)	2630 (500 - 3270)	3.19	4.30	4.30	-	-	-	8.60 (2.70 - 11.00)	2540 (500 - 3500)	3.39
	42 (1)	50 (1)	-	-	-	3.90	4.60	-	-	-	8.50 (2.40 - 8.80)	2630 (500 - 3270)	3.23	4.30	5.20	-	-	-	9.50 (2.70 - 11.00)	2540 (500 - 3500)	3.74
	50 (1)	50 (1)	-	-	-	4.30	4.30	-	-	-	8.50 (2.40 - 9.20)	2630 (500 - 3460)	3.23	5.00	5.00	-	-	-	10.00 (2.70 - 11.40)	2680 (500 - 3500)	3.73

The total nominal cooling capacity must not exceed 15.5 kW.
* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.
(1) For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	15	15	15	-	-	1.50	1.50	1.50	-	-	4.50 (2.70 - 5.00)	1450 (510 - 1500)	3.10	2.00	2.00	2.00	-	-	6.00 (2.90 - 6.50)	1600 (520 - 1848)	3.75
	15	15	18	-	-	1.50	1.50	1.80	-	-	4.80 (2.70 - 5.30)	1600 (510 - 1620)	3.00	2.00	2.00	2.50	-	-	6.50 (2.90 - 7.00)	1600 (520 - 2160)	4.06
	15	15	25	-	-	1.50	1.50	2.50	-	-	5.50 (2.70 - 6.00)	1600 (510 - 1788)	3.44	2.00	2.00	3.40	-	-	7.40 (2.90 - 7.90)	1600 (520 - 2412)	4.63
	15	15	35	-	-	1.50	1.50	3.50	-	-	6.50 (2.70 - 7.00)	2050 (510 - 2678)	3.17	2.00	2.00	4.30	-	-	8.30 (2.90 - 8.80)	1750 (520 - 2904)	4.74
	15	15	42 [1]	-	-	1.50	1.50	4.20	-	-	7.20 (2.70 - 8.50)	2580 (510 - 2676)	2.79	2.00	2.00	5.20	-	-	9.20 (2.90 - 11.00)	2300 (520 - 1848)	4.00
	15	15	50 [1]	-	-	1.50	1.50	5.00	-	-	8.00 (2.70 - 8.50)	2080 (510 - 2676)	3.85	1.90	1.90	6.20	-	-	10.00 (2.90 - 11.00)	2680 (520 - 1848)	3.73
	15	15	60 [1]	-	-	1.40	1.40	5.70	-	-	8.50 (2.70 - 8.50)	2580 (510 - 2676)	3.29	1.70	1.70	6.50	-	-	10.00 (2.90 - 11.50)	2680 (520 - 1848)	3.73
	15	15	70 [1]	-	-	1.30	1.30	6.00	-	-	8.50 (2.70 - 8.50)	2630 (510 - 2676)	3.23	1.60	1.60	6.70	-	-	10.00 (2.90 - 11.50)	2680 (520 - 1848)	3.73
	15	18	18	-	-	1.50	1.80	1.80	-	-	5.10 (2.70 - 5.60)	1550 (510 - 1500)	3.29	2.00	2.50	2.50	-	-	7.00 (2.90 - 7.50)	1600 (520 - 2280)	4.38
	15	18	25	-	-	1.50	1.80	2.50	-	-	5.80 (2.70 - 6.30)	2000 (510 - 2844)	2.90	2.00	2.50	3.40	-	-	7.90 (2.90 - 8.40)	1700 (520 - 2616)	4.65
	15	18	35	-	-	1.50	1.80	3.50	-	-	6.80 (2.70 - 7.30)	2000 (510 - 1500)	3.40	2.00	2.50	4.30	-	-	8.80 (2.90 - 9.30)	1800 (520 - 1848)	4.89
	15	18	42 [1]	-	-	1.50	1.80	4.20	-	-	7.50 (2.40 - 7.00)	2100 (510 - 1500)	3.57	2.00	2.50	5.20	-	-	9.70 (2.90 - 11.00)	2300 (520 - 3360)	4.22
	15	18	50 [1]	-	-	1.50	1.80	5.00	-	-	8.30 (2.70 - 8.80)	2580 (510 - 1500)	3.22	1.80	2.30	5.90	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	18	60 [1]	-	-	1.40	1.60	5.50	-	-	8.50 (2.70 - 8.80)	2630 (510 - 1500)	3.23	1.70	2.10	6.30	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	18	70 [1]	-	-	1.20	1.50	5.80	-	-	8.50 (2.70 - 8.80)	2630 (510 - 1500)	3.23	1.60	2.00	6.50	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	25	25	-	-	1.50	2.50	2.50	-	-	6.50 (2.70 - 7.00)	1980 (510 - 2520)	3.28	2.00	3.40	3.40	-	-	8.80 (2.90 - 9.30)	1750 (520 - 1848)	5.03
	15	25	35	-	-	1.50	2.50	3.50	-	-	7.50 (2.40 - 7.00)	2400 (510 - 3096)	3.13	2.00	3.40	4.30	-	-	9.70 (2.90 - 10.20)	2300 (520 - 1848)	4.22
	15	25	42 [1]	-	-	1.50	2.50	4.20	-	-	8.20 (2.70 - 9.50)	2580 (510 - 1500)	3.18	1.90	3.20	4.90	-	-	10.00 (2.70 - 11.00)	2680 (520 - 1848)	3.73
	15	25	50 [1]	-	-	1.40	2.40	4.70	-	-	8.50 (2.70 - 9.50)	2580 (510 - 1500)	3.29	1.70	2.90	5.50	-	-	10.00 (2.70 - 11.50)	2680 (520 - 3360)	3.73
	15	25	60 [1]	-	-	1.30	2.10	5.10	-	-	8.50 (2.70 - 9.50)	2630 (510 - 1500)	3.23	1.60	2.60	5.80	-	-	10.00 (2.70 - 11.50)	2680 (520 - 3360)	3.73
	15	25	70 [1]	-	-	1.20	1.90	5.40	-	-	8.50 (2.70 - 9.50)	2630 (510 - 1500)	3.23	1.50	2.50	6.00	-	-	10.00 (2.70 - 11.50)	2670 (520 - 3360)	3.75
	15	35	35	-	-	1.50	3.50	3.50	-	-	8.50 (2.70 - 9.00)	2580 (510 - 3360)	3.29	1.90	4.10	4.10	-	-	10.00 (2.90 - 11.10)	2680 (520 - 3360)	3.73
	15	35	42 [1]	-	-	1.40	3.20	3.90	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.70	3.70	4.50	-	-	10.00 (2.90 - 11.10)	2680 (520 - 3360)	3.73
	15	35	50 [1]	-	-	1.30	3.00	4.30	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.60	3.40	5.10	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	15	42 [1]	42 [1]	-	-	1.30	3.60	3.60	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.60	4.20	4.20	-	-	10.00 (2.90 - 11.10)	2680 (520 - 3360)	3.73
	15	42 [1]	50 [1]	-	-	1.20	3.30	4.00	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3216)	3.23	1.50	3.80	4.70	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3360)	3.73
	18	18	18	-	-	1.80	1.80	1.80	-	-	5.40 (2.70 - 5.90)	1600 (510 - 1780)	3.38	2.50	2.50	2.50	-	-	7.50 (2.90 - 9.10)	1600 (520 - 2440)	4.69
	18	18	25	-	-	1.80	1.80	2.50	-	-	6.10 (2.70 - 6.70)	2000 (510 - 2150)	3.05	2.50	2.50	3.40	-	-	8.40 (2.90 - 9.50)	1750 (520 - 2620)	4.80
	18	18	35	-	-	1.80	1.80	3.50	-	-	7.10 (2.70 - 7.80)	2280 (510 - 2310)	3.11	2.50	2.50	4.30	-	-	9.30 (2.90 - 10.20)	2300 (520 - 2740)	4.04
	18	18	42 [1]	-	-	1.80	1.80	4.20	-	-	7.80 (2.70 - 7.80)	2680 (510 - 3260)	2.91	2.50	2.50	5.10	-	-	10.00 (2.90 - 10.20)	2610 (520 - 3060)	3.83
	18	18	50 [1]	-	-	1.80	1.80	4.90	-	-	8.50 (2.70 - 9.50)	2580 (510 - 3260)	3.29	2.20	2.20	5.60	-	-	10.00 (2.90 - 11.30)	2680 (520 - 3060)	3.73
	18	18	60 [1]	-	-	1.60	1.60	5.30	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3270)	3.23	2.00	2.00	6.00	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3060)	3.73
	18	18	70 [1]	-	-	1.40	1.40	5.60	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3270)	3.23	2.00	2.00	6.00	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3060)	3.73
	18	25	25	-	-	1.80	2.50	2.50	-	-	6.80 (2.70 - 7.50)	2000 (510 - 2260)	3.40	2.50	3.40	3.40	-	-	9.30 (2.90 - 10.00)	1800 (520 - 2760)	5.17
	18	25	35	-	-	1.80	2.50	3.50	-	-	7.80 (2.70 - 8.60)	2680 (510 - 2660)	2.91	2.50	3.30	4.20	-	-	10.00 (2.90 - 10.70)	2610 (520 - 2880)	3.83
	18	25	42 [1]	-	-	1.80	2.50	4.20	-	-	8.50 (2.70 - 8.60)	2580 (510 - 3270)	3.29	2.30	3.10	4.70	-	-	10.00 (2.90 - 11.00)	2680 (520 - 3220)	3.73
	18	25	50 [1]	-	-	1.70	2.30	4.60	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3270)	3.23	2.00	2.70	5.20	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3220)	3.73
	18	25	60 [1]	-	-	1.50	2.00	5.00	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	1.90	2.50	5.60	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3220)	3.73
	18	35	35	-	-	1.70	3.40	3.40	-	-	8.50 (2.70 - 9.50)	2580 (510 - 3260)	3.29	2.30	3.90	3.90	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3060)	3.73
	18	35	42 [1]	-	-	1.60	3.10	3.80	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	2.10	3.60	4.30	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	18	35	50 [1]	-	-	1.50	2.90	4.20	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	1.90	3.20	4.90	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	18	42 [1]	42 [1]	-	-	1.50	3.50	3.50	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	2.30	3.90	3.90	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	18	42 [1]	50 [1]	-	-	1.40	3.20	3.90	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	2.10	3.60	4.30	-	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75
	25	25	25	-	-	2.50	2.50	2.50	-	-	7.50 (2.40 - 7.00)	2300 (510 - 2580)	3.26	3.30	3.30	3.30	-	-	10.00 (2.90 - 10.40)	2610 (520 - 2920)	3.83
	25	25	35	-	-	2.50	2.50	3.50	-	-	8.50 (2.70 - 9.40)	2580 (510 - 3110)	3.29	3.10	3.10	3.90	-	-	10.00 (2.90 - 11.20)	2680 (520 - 3070)	3.73
	25	25	42 [1]	-	-	2.30	2.30	3.90	-	-	8.50 (2.70 - 9.40)	2630 (510 - 3360)	3.23	2.80	2.80	4.30	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	25	25	50 [1]	-	-	2.10	2.10	4.30	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3360)	3.23	2.60	2.60	4.90	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	25	25	60 [1]	-	-	1.90	1.90	4.60	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3360)	3.23	2.40	2.40	5.20	-	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75
	25	35	35	-	-	2.20	3.10	3.10	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3330)	3.23	2.80	3.60	3.60	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3220)	3.73
	25	35	42 [1]	-	-	2.10	2.90	3.50	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3350)	3.23	2.60	3.30	4.00	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	25	35	50 [1]	-	-	1.90	2.70	3.90	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3350)	3.23	2.40	3.00	4.60	-	-	10.00 (2.90 - 11.50)	2670 (520 - 3330)	3.75
	25	42 [1]	42 [1]	-	-	1.90	3.30	3.30	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3360)	3.23	2.80	3.60	3.60	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73
	35	35	35	-	-	2.80	2.80	2.80	-	-	8.50 (2.70 - 9.50)	2630 (510 - 3320)	3.23	3.30	3.30	3.30	-	-	10.00 (2.90 - 11.50)	2680 (520 - 3330)	3.73

The total nominal cooling capacity must not exceed 15.5 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
4 indoor units (air/air)	15	15	15	15	-	1.50	1.50	1.50	1.50	-	6.00 (2.90 - 6.50)	1600 (550 - 1620)	3.75	2.00	2.00	2.00	2.00	-	8.00 (3.00 - 8.50)	1750 (540 - 2652)	4.57
	15	15	15	18	-	1.50	1.50	1.50	1.80	-	6.30 (2.90 - 6.50)	2000 (550 - 1776)	3.15	2.00	2.00	2.00	2.50	-	8.50 (3.00 - 9.00)	1750 (540 - 2760)	4.86
	15	15	15	25	-	1.50	1.50	1.50	2.50	-	7.00 (2.90 - 7.50)	2000 (550 - 2136)	3.50	2.00	2.00	2.00	3.40	-	9.40 (3.00 - 9.90)	1800 (540 - 3036)	5.22
	15	15	15	35	-	1.50	1.50	1.50	3.50	-	8.00 (2.90 - 8.50)	2630 (550 - 2292)	3.04	1.90	1.90	1.90	4.20	-	10.00 (3.00 - 10.80)	2650 (540 - 3468)	3.77
	15	15	15	42 [1]	-	1.50	1.50	1.50	4.10	-	8.50 (2.90 - 8.50)	2630 (550 - 2292)	3.23	1.80	1.80	1.80	4.60	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	15	50 [1]	-	1.30	1.30	1.30	4.50	-	8.50 (2.90 - 8.50)	2630 (550 - 3180)	3.23	1.60	1.60	1.60	5.20	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	15	60 [1]	-	1.20	1.20	1.20	4.90	-	8.50 (2.90 - 8.50)	2630 (550 - 3180)	3.23	1.50	1.50	1.50	5.60	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	15	15	70 [1]	-	1.10	1.10	1.10	5.20	-	8.50 (2.90 - 8.50)	2630 (550 - 3180)	3.23	1.50	1.50	1.50	5.60	-	10.00 (3.00 - 11.50)	2600 (540 - 3360)	3.85
	15	15	18	18	-	1.50	1.50	1.80	1.80	-	6.60 (2.90 - 7.10)	2000 (550 - 2100)	3.30	2.00	2.00	2.50	2.50	-	9.00 (3.00 - 9.50)	1750 (540 - 3048)	5.14
	15	15	18	25	-	1.50	1.50	1.80	2.50	-	7.30 (2.90 - 7.80)	2680 (550 - 2220	2.72	2.00	2.00	2.50	3.40	-	9.90 (3.00 - 10.40)	2610 (540 - 3144)	3.79
	15	15	18	35	-	1.50	1.50	1.80	3.50	-	8.30 (2.90 - 8.80)	2630 (550 - 2616)	3.16	1.90	1.90	2.30	4.00	-	10.00 (3.00 - 11.30)	2650 (540 - 3468)	3.77
	15	15	18	42 [1]	-	1.40	1.40	1.70	4.00	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.70	1.70	2.10	4.40	-	10.00 (3.00 - 11.30)	2650 (540 - 3360)	3.77
	15	15	18	50 [1]	-	1.30	1.30	1.60	4.30	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.50	1.90	5.00	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	18	60 [1]	-	1.20	1.20	1.40	4.70	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.40	1.80	5.40	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	15	18	70 [1]	-	1.10	1.10	1.30	5.00	-	8.50 (2.90 - 8.50)	2630 (550 - 2580)	3.23	1.40	1.40	1.80	5.40	-	10.00 (3.00 - 11.30)	2600 (540 - 3420)	3.85
	15	15	25	25	-	1.50	1.50	2.50	2.50	-	8.00 (2.90 - 8.50)	2630 (550 - 2580)	3.04	1.90	1.90	3.10	3.10	-	10.00 (3.00 - 11.30)	2650 (540 - 3420)	3.77
	15	15	25	35	-	1.40	1.40	2.40	3.30	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.70	1.70	2.90	3.70	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	25	42 [1]	-	1.30	1.30	2.20	3.70	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.60	1.60	2.70	4.10	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	15	25	50 [1]	-	1.20	1.20	2.00	4.00	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.40	2.40	4.70	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	15	35	35	-	1.30	1.30	3.00	3.00	-	8.50 (2.90 - 8.50)	2630 (550 - 3120)	3.23	1.60	1.60	3.40	3.40	-	10.00 (3.00 - 11.30)	2630 (540 - 3480)	3.80
	15	15	35	42 [1]	-	1.20	1.20	2.80	3.30	-	8.50 (2.90 - 8.50)	2630 (550 - 3210)	3.23	1.50	1.50	3.20	3.90	-	10.00 (3.00 - 11.30)	2630 (540 - 3360)	3.80
	15	18	18	18	-	1.50	1.80	1.80	1.80	-	6.90 (2.50 - 7.40)	2000 (550 - 2244)	3.45	2.00	2.50	2.50	2.50	-	9.50 (3.00 - 10.00)	1800 (540 - 3144)	5.28
	15	18	18	25	-	1.50	1.80	1.80	2.50	-	7.60 (2.50 - 8.10)	2680 (550 - 2568)	2.84	1.90	2.40	2.40	3.30	-	10.00 (3.00 - 10.90)	2610 (540 - 3468)	3.83
	15	18	18	35	-	1.50	1.80	1.80	3.50	-	8.50 (2.50 - 8.50)	2630 (550 - 3060)	3.23	1.80	2.20	2.20	3.80	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	18	42 [1]	-	1.40	1.60	1.60	3.80	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.60	2.00	2.00	4.30	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	18	50 [1]	-	1.30	1.50	1.50	4.20	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	1.90	4.80	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	25	25	-	1.50	1.80	2.50	2.50	-	8.30 (2.50 - 8.30)	2630 (550 - 3288)	3.16	1.80	2.20	3.00	3.00	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	25	35	-	1.40	1.60	2.30	3.20	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.60	2.00	2.80	3.50	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	18	25	42 [1]	-	1.30	1.50	2.10	3.60	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	2.60	4.00	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	25	50 [1]	-	1.20	1.40	2.00	3.90	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.70	2.40	4.50	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	35	35	-	1.20	1.50	2.90	2.90	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	3.30	3.30	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	18	35	42 [1]	-	1.20	1.40	2.70	3.20	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	1.80	3.10	3.70	-	10.00 (3.00 - 11.50)	2600 (540 - 3360)	3.85
	15	18	35	50 [1]	-	1.10	1.30	2.50	3.60	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.30	1.60	2.80	4.20	-	10.00 (3.00 - 11.50)	2600 (540 - 3360)	3.85
	15	18	42 [1]	42 [1]	-	1.10	1.30	3.10	3.10	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	1.90	3.30	3.30	-	10.00 (3.00 - 10.50)	2600 (540 - 3360)	3.85
	15	25	25	25	-	1.40	2.40	2.40	2.40	-	8.50 (2.50 - 8.50)	2630 (550 - 3132)	3.23	1.60	2.80	2.80	2.80	-	10.00 (3.00 - 11.50)	2650 (540 - 3360)	3.77
	15	25	25	35	-	1.30	2.10	2.10	3.00	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.50	2.60	2.60	3.30	-	10.00 (3.00 - 11.50)	2630 (540 - 3360)	3.80
	15	25	35	35	-	1.20	1.90	2.70	2.70	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.40	2.40	3.10	3.10	-	10.00 (3.00 - 11.50)	2600 (540 - 3360)	3.85
	15	35	35	35	-	1.10	2.50	2.50	2.50	-	8.50 (2.50 - 8.50)	2630 (550 - 3120)	3.23	1.30	2.90	2.90	2.90	-	10.00 (3.00 - 11.50)	2690 (540 - 3360)	3.72
	18	18	18	18	-	1.80	1.80	1.80	1.80	-	7.20 (2.90 - 7.90)	2680 (550 - 2292)	2.69	2.50	2.50	2.50	2.50	-	10.00 (3.00 - 10.90)	2610 (540 - 2720)	3.83
	18	18	18	25	-	1.80	1.80	1.80	2.50	-	7.90 (2.90 - 8.70)	2680 (550 - 3120)	2.95	2.30	2.30	2.30	3.10	-	10.00 (3.00 - 11.10)	2610 (540 - 3650)	3.83
	18	18	18	35	-	1.70	1.70	1.70	3.30	-	8.50 (2.90 - 9.50)	2630 (550 - 3120)	3.23	2.10	2.10	2.10	3.60	-	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	18	18	42 [1]	-	1.60	1.60	1.60	3.70	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	2.00	2.00	2.00	4.10	-	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	18	18	50 [1]	-	1.50	1.50	1.50	4.10	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	1.80	1.80	4.70	-	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	18	18	60 [1]	-	1.30	1.30	1.30	4.50	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	1.70	1.70	5.00	-	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	18	18	18	70 [1]	-	1.20	1.20	1.20	4.80	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	1.70	1.70	5.00	-	10.00 (3.00 - 11.40)	2690 (540 - 3650)	3.72
	18	18	25	25	-	1.80	1.80	2.50	2.50	-	8.50 (2.90 - 9.50)	2630 (550 - 3040)	3.23	2.10	2.10	2.90	2.90	-	10.00 (3.00 - 11.20)	2650 (540 - 3650)	3.77
	18	18	25	35	-	1.60	1.60	2.20	3.10	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	2.00	2.00	2.70	3.40	-	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	18	25	42 [1]	-	1.50	1.50	2.10	3.50	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	1.80	2.50	3.80	-	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	18	35	35	-	1.40	1.40	2.80	2.80	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	1.80	3.20	3.20	-	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	25	25	25	-	1.70	2.30	2.30	2.30	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	2.00	2.70	2.70	2.60	-	10.00 (3.00 - 11.40)	2650 (540 - 3650)	3.77
	18	25	25	35	-	1.50	2.10	2.10	2.80	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.80	2.50	2.50	3.10	-	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	18	25	25	42 [1]	-	1.40	1.90	1.90	3.20	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	2.30	2.30	3.60	-	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	18	25	35	35	-	1.30	1.90	2.60	2.60	-	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.70	2.40	3.00	3.00	-	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85
	25	25	25	25	-	2.10	2.10	2.10	2.10	-	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	2.50	2.50	2.50	2.50	-	10.00 (3.00 - 11.40)	2630 (540 - 3650)	3.80
	25	25	25	35	-	1.90	1.90	1.90	2.70	-	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	2.30	2.30	2.30	3.00	-	10.00 (3.00 - 11.40)	2600 (540 - 3650)	3.85

The total nominal cooling capacity must not exceed 15.5 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

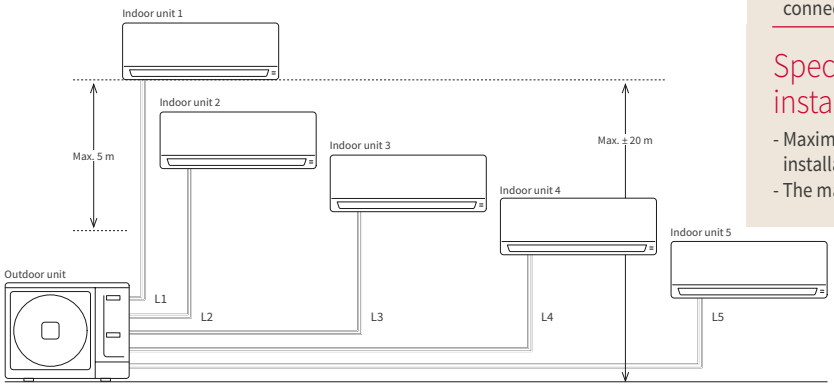
	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
5 indoor units (air/air)	15	15	15	15	15	1.50	1.50	1.50	1.50	1.50	7.50 (2.40 - 7.00)	2680 (500 - 1660)	2.80	2.00	2.00	2.00	2.00	2.00	10.00 (3.40 - 10.50)	2610 (610 - 3850)	3.83
	15	15	15	15	18	1.50	1.50	1.50	1.50	1.80	7.80 (2.70 - 8.60)	2680 (500 - 1680)	2.91	1.90	1.90	1.90	1.90	2.40	10.00 (3.40 - 11.00)	2610 (610 - 3850)	3.83
	15	15	15	15	25	1.50	1.50	1.50	1.50	2.50	8.50 (2.90 - 9.50)	2630 (550 - 2292)	3.23	1.80	1.80	1.80	1.80	3.00	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	15	35	1.30	1.30	1.30	1.30	3.10	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.60	1.60	1.60	1.60	3.50	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	15	42 [1]	1.30	1.30	1.30	1.30	3.50	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.50	1.50	1.50	1.50	3.90	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	15	50 [1]	1.20	1.20	1.20	1.20	3.90	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.40	1.40	1.40	4.50	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	15	15	15	18	18	1.50	1.50	1.50	1.80	1.80	8.10 (2.90 - 9.50)	2630 (550 - 2292)	3.08	1.80	1.80	1.80	2.30	2.30	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	18	25	1.40	1.40	1.40	1.70	2.40	8.50 (2.90 - 9.50)	2630 (550 - 2292)	3.23	1.70	1.70	1.70	2.10	2.90	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	18	42 [1]	1.20	1.20	1.20	1.50	3.40	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.50	1.50	1.50	1.80	3.80	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	25	25	1.30	1.30	1.30	2.20	2.20	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.60	1.60	1.60	2.70	2.70	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	25	35	1.20	1.20	1.20	2.00	2.80	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.50	1.50	1.50	2.50	3.10	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	15	25	42 [1]	1.10	1.10	1.10	1.90	3.20	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.40	1.40	2.30	3.60	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	15	15	15	35	35	1.10	1.10	1.10	2.60	2.60	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.40	1.40	2.90	2.90	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	15	15	18	18	18	1.50	1.50	1.80	1.80	1.80	8.40 (2.90 - 9.50)	2630 (550 - 2292)	3.19	1.70	1.70	2.20	2.20	2.20	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	18	18	25	1.40	1.40	1.70	1.70	2.30	8.50 (2.90 - 9.50)	2630 (550 - 3260)	3.23	1.60	1.60	2.00	2.00	2.70	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	18	18	35	1.30	1.30	1.50	1.50	2.90	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.50	1.50	1.90	1.90	3.20	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	18	18	42 [1]	1.20	1.20	1.40	1.40	3.30	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.40	1.80	1.80	3.70	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	18	25	25	1.30	1.30	1.60	2.20	2.20	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.50	1.50	1.90	2.60	2.60	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	18	25	35	1.20	1.20	1.40	2.00	2.80	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.40	1.80	2.40	3.00	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	25	25	25	1.20	1.20	2.00	2.00	2.00	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.40	2.40	2.40	2.40	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	15	25	25	35	1.10	1.10	1.80	1.80	2.60	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.30	1.30	2.30	2.30	2.80	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	15	18	18	18	18	1.50	1.80	1.80	1.80	1.80	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.70	2.10	2.10	2.10	2.10	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	18	18	18	25	1.40	1.60	1.60	1.60	2.30	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.60	1.90	1.90	1.90	2.60	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	18	18	18	35	1.20	1.50	1.50	1.50	2.90	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.80	1.80	1.80	3.10	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	18	18	18	42 [1]	1.10	1.40	1.40	1.40	3.20	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.70	1.70	1.70	3.50	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	15	18	18	25	25	1.30	1.50	1.50	2.10	2.10	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.80	1.80	2.50	2.50	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	18	18	25	35	1.10	1.40	1.40	1.90	2.70	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.70	1.70	2.30	2.90	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	15	18	25	25	25	1.20	1.40	2.00	2.00	2.00	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.40	1.70	2.30	2.30	2.30	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	15	25	25	25	25	1.10	1.80	1.80	1.80	1.80	8.50 (2.90 - 9.50)	2630 (550 - 3650)	3.23	1.30	2.20	2.20	2.20	2.20	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	18	18	18	18	18	1.70	1.70	1.70	1.70	1.70	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	2.00	2.00	2.00	2.00	2.00	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	18	18	18	18	25	1.60	1.60	1.60	1.60	2.20	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.90	1.90	1.90	1.90	2.50	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	18	18	18	18	35	1.40	1.40	1.40	1.40	2.80	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.70	1.70	1.70	1.70	3.00	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	18	18	18	18	42 [1]	1.30	1.30	1.30	1.30	3.10	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.60	1.60	1.60	1.60	3.40	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	18	18	18	25	25	1.50	1.50	1.50	2.00	2.00	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.70	1.70	1.70	2.40	2.40	10.00 (3.40 - 11.50)	2600 (610 - 3850)	3.85
	18	18	18	25	35	1.30	1.30	1.30	1.90	2.60	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.60	1.60	1.60	2.20	2.80	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	18	18	25	25	25	1.40	1.40	1.90	1.90	1.90	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.60	1.60	2.20	2.20	2.20	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88
	18	18	25	25	35	1.30	1.30	1.80	1.80	2.50	8.50 (2.90 - 9.50)	2630 (600 - 3850)	3.23	1.60	1.60	2.10	2.10	2.70	10.00 (3.40 - 11.50)	2580 (610 - 3850)	3.88

The total nominal cooling capacity must not exceed 15.5 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

RAM-G110N5HCE - Prepare your construction site

RAM-G110N5HCE refrigeration lengths:

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



Specific installation requirements for the RAM-G110N5HCE outdoor unit

- Preloaded for **30 m.**
- Provide an additional **13 g/m** from 30 m onwards.
- Always connect the most powerful indoor unit to the lowest connection.

Specific features of air-to-air heat pump installation

- Maximum length of pipework between a unit and the main installation: **25 m.**
- The maximum difference in height between two indoor units is **5 m.**

Air-to-air indoor unit combinations

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
1 Indoor unit (air/air)*	15	-	-	-	-	1.50	-	-	-	-	1.50 (1.00 - 1.60)	460 (320 - 480)	3.26	2.00	-	-	-	-	2.00 (1.50 - 2.20)	610 (360 - 850)	3.28
	18	-	-	-	-	1.80	-	-	-	-	1.80 (1.70 - 2.00)	560 (320 - 610)	3.21	2.50	-	-	-	-	2.50 (2.00 - 3.00)	1000 (360 - 1100)	2.50
	25	-	-	-	-	2.50	-	-	-	-	2.50 (1.70 - 2.80)	830 (320 - 860)	3.01	3.40	-	-	-	-	3.40 (2.00 - 4.00)	1430 (360 - 1600)	2.38
	35	-	-	-	-	3.50	-	-	-	-	3.50 (1.70 - 3.90)	1200 (320 - 1270)	2.92	4.30	-	-	-	-	4.30 (2.00 - 5.20)	1620 (360 - 1820)	2.65
	42 (1)	-	-	-	-	4.20	-	-	-	-	4.20 (1.70 - 4.60)	1400 (320 - 1560)	3.00	5.20	-	-	-	-	5.20 (2.00 - 6.50)	2000 (360 - 2240)	2.60
	50 (1)	-	-	-	-	5.00	-	-	-	-	5.00 (1.70 - 5.50)	1600 (320 - 1860)	3.13	6.50	-	-	-	-	6.50 (2.00 - 7.30)	2300 (360 - 2580)	2.83
	60 (1)	-	-	-	-	6.00	-	-	-	-	6.00 (1.70 - 6.60)	1850 (320 - 2100)	3.24	7.50	-	-	-	-	7.50 (2.00 - 8.20)	2350 (360 - 2950)	3.19
	70 (1)	-	-	-	-	7.00	-	-	-	-	7.00 (1.70 - 7.70)	1900 (320 - 2100)	3.68	8.20	-	-	-	-	8.20 (2.00 - 9.00)	2400 (360 - 2950)	3.42
2 indoor units (air/air)	15	15	-	-	-	1.50	1.50	-	-	-	3.00 (2.40 - 3.50)	900 (500 - 1020)	3.33	2.00	2.00	-	-	-	4.00 (2.70 - 4.70)	1100 (500 - 1300)	3.64
	15	18	-	-	-	1.50	1.80	-	-	-	3.30 (2.40 - 3.80)	980 (500 - 1140)	3.37	2.00	2.50	-	-	-	4.50 (2.70 - 5.20)	1350 (500 - 1550)	3.33
	15	25	-	-	-	1.50	2.50	-	-	-	4.00 (2.40 - 4.50)	1200 (500 - 1500)	3.33	2.00	3.40	-	-	-	5.40 (2.70 - 6.10)	1500 (500 - 1700)	3.60
	15	35	-	-	-	1.50	3.50	-	-	-	5.00 (2.40 - 5.50)	1600 (500 - 1860)	3.13	2.00	4.30	-	-	-	6.30 (2.70 - 7.00)	1750 (500 - 2060)	3.60
	15	42 (1)	-	-	-	1.50	4.20	-	-	-	5.70 (2.40 - 6.20)	1950 (500 - 2050)	2.92	2.00	5.20	-	-	-	7.20 (2.70 - 7.90)	2050 (500 - 2560)	3.51
	15	50 (1)	-	-	-	1.50	5.00	-	-	-	6.50 (2.40 - 7.00)	2250 (500 - 2520)	2.89	2.00	6.50	-	-	-	8.50 (2.70 - 9.20)	2800 (500 - 3000)	3.04
	15	60 (1)	-	-	-	1.50	6.00	-	-	-	7.50 (2.40 - 8.00)	2400 (500 - 2520)	3.13	2.00	7.50	-	-	-	9.50 (2.70 - 10.20)	2800 (500 - 3000)	3.39
	15	70 (1)	-	-	-	1.50	7.00	-	-	-	8.50 (2.40 - 9.00)	2400 (500 - 2520)	3.54	2.00	8.20	-	-	-	10.20 (2.70 - 10.90)	2800 (500 - 3000)	3.64
	18	18	-	-	-	1.80	1.80	-	-	-	3.60 (2.40 - 4.00)	1050 (500 - 1160)	3.43	2.50	2.50	-	-	-	5.00 (2.70 - 5.70)	1500 (500 - 1710)	3.33
	18	25	-	-	-	1.80	2.50	-	-	-	4.30 (2.40 - 4.70)	1290 (500 - 1590)	3.33	2.50	3.40	-	-	-	5.90 (2.70 - 6.60)	1615 (500 - 1990)	3.65
	18	35	-	-	-	1.80	3.50	-	-	-	5.30 (2.40 - 5.80)	1650 (500 - 1900)	3.21	2.50	4.30	-	-	-	6.80 (2.70 - 7.50)	1980 (500 - 2320)	3.43
	18	42 (1)	-	-	-	1.59	3.71	-	-	-	6.00 (2.40 - 6.50)	1980 (500 - 2100)	3.03	2.50	5.20	-	-	-	7.70 (2.70 - 8.40)	2150 (500 - 2880)	3.58
	18	50 (1)	-	-	-	1.80	5.00	-	-	-	6.80 (2.40 - 7.50)	2350 (500 - 2970)	2.89	2.50	6.50	-	-	-	9.00 (2.70 - 9.70)	2500 (500 - 3400)	3.60
	18	60 (1)	-	-	-	1.80	6.00	-	-	-	7.80 (2.40 - 8.20)	2470 (500 - 3120)	3.16	2.50	7.50	-	-	-	10.00 (2.70 - 10.70)	2700 (500 - 3400)	3.70
	18	70 (1)	-	-	-	1.80	7.00	-	-	-	8.80 (2.40 - 9.20)	2470 (500 - 3120)	3.56	2.50	8.20	-	-	-	10.70 (2.70 - 11.40)	3050 (500 - 3400)	3.51
	25	25	-	-	-	2.50	2.50	-	-	-	5.00 (2.40 - 5.50)	1440 (500 - 1640)	3.47	3.40	3.40	-	-	-	6.80 (2.70 - 7.50)	1900 (500 - 2250)	3.58
	25	35	-	-	-	2.50	3.50	-	-	-	6.00 (2.40 - 6.60)	1930 (500 - 2400)	3.11	3.40	4.30	-	-	-	7.70 (2.70 - 8.40)	2150 (500 - 2590)	3.58
	25	42 (1)	-	-	-	2.50	4.20	-	-	-	6.70 (2.40 - 7.00)	2280 (500 - 2400)	2.94	3.40	5.20	-	-	-	8.60 (2.70 - 9.30)	2330 (500 - 3110)	3.69
	25	50 (1)	-	-	-	2.50	5.00	-	-	-	7.50 (2.40 - 8.00)	2580 (500 - 3270)	2.91	3.40	6.50	-	-	-	9.90 (2.70 - 10.60)	3180 (500 - 3400)	3.11
	25	60 (1)	-	-	-	2.50	6.00	-	-	-	8.50 (2.40 - 9.00)	2650 (500 - 3270)	3.21	3.40	7.50	-	-	-	10.90 (2.70 - 11.60)	3220 (500 - 3400)	3.39
	25	70 (1)	-	-	-	2.50	7.00	-	-	-	9.50 (2.40 - 10.00)	2780 (500 - 3270)	3.42	3.40	8.60	-	-	-	11.60 (2.70 - 12.30)	3350 (500 - 3600)	3.46
	35	35	-	-	-	3.50	3.50	-	-	-	7.00 (2.40 - 7.80)	2300 (450 - 2990)	3.04	4.30	4.30	-	-	-	8.60 (2.70 - 9.30)	2400 (500 - 2860)	3.58
	35	42 (1)	-	-	-	3.50	4.20	-	-	-	7.70 (2.40 - 8.10)	2600 (500 - 2990)	2.96	4.30	5.20	-	-	-	9.50 (2.70 - 10.20)	2650 (500 - 3320)	3.58
	35	50 (1)	-	-	-	3.50	5.00	-	-	-	8.50 (2.40 - 8.80)	2700 (500 - 3270)	3.15	4.30	6.50	-	-	-	10.80 (2.70 - 11.50)	3220 (500 - 3600)	3.35
	35	60 (1)	-	-	-	3.50	6.00	-	-	-	9.50 (2.40 - 10.10)	2850 (500 - 3270)	3.33	4.30	7.50	-	-	-	11.80 (2.70 - 12.50)	3280 (500 - 3600)	3.60
	35	70 (1)	-	-	-	3.33	6.67	-	-	-	10.00 (2.40 - 11.00)	2900 (500 - 3270)	3.45	4.13	7.87	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3600)	3.48
	42 (1)	42 (1)	-	-	-	4.20	4.20	-	-	-	8.40 (2.40 - 8.80)	2680 (500 - 3270)	3.13	5.20	5.20	-	-	-	10.40 (2.70 - 11.10)	2890 (500 - 3260)	3.60

The total nominal cooling capacity must not exceed 16.6 kW.
* For information: these are the performance figures when a single unit is in operation. However, at least 2 units must be connected to the outside unit.
(1) For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
2 indoor units (air/air)	42 [1]	50 [1]	-	-	-	4.20	5.00	-	-	-	9.20 (2.40 - 9.70)	3100 (500 - 3470)	2.97	5.20	6.50	-	-	-	11.70 (2.70 - 12.40)	3170 (500 - 3800)	3.69
	42 [1]	60 [1]	-	-	-	3.99	5.70	-	-	-	10.00 (2.40 - 11.00)	3300 (500 - 3470)	3.03	4.91	7.09	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	42 [1]	70 [1]	-	-	-	3.75	6.25	-	-	-	10.00 (2.40 - 11.00)	3400 (500 - 3470)	2.94	4.66	7.34	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	50 [1]	50 [1]	-	-	-	5.00	5.00	-	-	-	10.00 (2.40 - 11.00)	3300 (500 - 3670)	3.03	6.00	6.00	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	50 [1]	60 [1]	-	-	-	4.55	5.45	-	-	-	10.00 (2.40 - 11.00)	3300 (500 - 3780)	3.03	5.57	6.43	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	50 [1]	70 [1]	-	-	-	4.17	5.83	-	-	-	10.00 (2.40 - 11.00)	3500 (500 - 3780)	2.86	5.31	6.69	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	60 [1]	60 [1]	-	-	-	5.00	5.00	-	-	-	10.00 (2.40 - 11.00)	3500 (500 - 3870)	2.86	6.00	6.00	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	60 [1]	70 [1]	-	-	-	5.00	5.00	-	-	-	10.00 (2.40 - 11.00)	3600 (500 - 3870)	2.78	5.73	6.27	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
	70 [1]	70 [1]	-	-	-	5.00	5.00	-	-	-	10.00 (2.40 - 11.00)	3700 (500 - 3870)	2.70	5.93	6.07	-	-	-	12.00 (2.70 - 12.70)	3450 (500 - 3800)	3.48
3 indoor units (air/air)	15	15	15	-	-	1.50	1.50	1.50	-	-	4.50 (2.70 - 5.00)	1300 (510 - 1500)	3.46	2.00	2.00	2.00	-	-	6.00 (2.90 - 6.70)	1500 (520 - 1850)	4.00
	15	15	18	-	-	1.50	1.50	1.80	-	-	4.80 (2.70 - 5.30)	1340 (510 - 1620)	3.58	2.00	2.00	2.50	-	-	6.50 (2.90 - 7.20)	1600 (520 - 2160)	4.06
	15	15	25	-	-	1.50	1.50	2.50	-	-	5.50 (2.70 - 6.00)	1450 (510 - 1980)	3.79	2.00	2.00	3.40	-	-	7.40 (2.90 - 8.10)	1840 (520 - 2400)	4.02
	15	15	35	-	-	1.50	1.50	3.50	-	-	6.50 (2.70 - 7.00)	1700 (510 - 2670)	3.82	2.00	2.00	4.30	-	-	8.30 (2.90 - 9.00)	2230 (520 - 2900)	3.72
	15	15	42 [1]	-	-	1.50	1.50	4.20	-	-	7.20 (2.70 - 7.80)	1980 (510 - 2670)	3.64	2.00	2.00	5.20	-	-	9.20 (2.90 - 9.90)	2540 (520 - 2900)	3.62
	15	15	50 [1]	-	-	1.50	1.50	5.00	-	-	8.00 (2.70 - 8.50)	2370 (510 - 2870)	3.38	2.00	2.00	6.50	-	-	10.50 (2.90 - 11.20)	2850 (520 - 3450)	3.68
	15	15	60 [1]	-	-	1.50	1.50	6.00	-	-	9.00 (2.70 - 9.50)	2900 (510 - 3470)	3.10	2.00	2.00	7.50	-	-	11.50 (2.90 - 12.20)	3170 (520 - 3450)	3.63
	15	15	70 [1]	-	-	1.50	1.50	7.00	-	-	10.00 (2.70 - 10.50)	3450 (510 - 3670)	2.90	1.89	2.36	7.75	-	-	12.00 (2.90 - 12.70)	3170 (520 - 3450)	3.79
	15	18	18	-	-	1.50	1.80	1.80	-	-	5.10 (2.70 - 5.60)	1380 (510 - 1620)	3.70	2.00	2.50	2.50	-	-	7.00 (2.90 - 7.70)	1700 (520 - 2280)	4.12
	15	18	25	-	-	1.50	1.80	2.50	-	-	5.80 (2.70 - 6.30)	1470 (510 - 1820)	3.95	2.00	2.50	3.40	-	-	7.90 (2.90 - 8.60)	1930 (520 - 2600)	4.09
	15	18	35	-	-	1.50	1.80	3.50	-	-	6.80 (2.70 - 7.30)	1820 (510 - 2900)	3.74	2.00	2.50	4.30	-	-	8.80 (2.90 - 9.50)	2360 (520 - 3030)	3.73
	15	18	42 [1]	-	-	1.50	1.80	4.20	-	-	7.50 (2.70 - 8.00)	2100 (510 - 2900)	3.57	2.00	2.50	5.20	-	-	9.70 (2.90 - 10.40)	2680 (520 - 3030)	3.62
	15	18	50 [1]	-	-	1.50	1.80	5.00	-	-	8.30 (2.70 - 9.10)	2500 (510 - 2900)	3.32	2.00	2.50	6.50	-	-	11.00 (2.90 - 11.70)	2940 (520 - 3690)	3.74
	15	18	60 [1]	-	-	1.50	1.80	6.00	-	-	9.30 (2.70 - 10.20)	3050 (510 - 3450)	3.05	2.00	2.50	7.50	-	-	12.00 (2.90 - 12.70)	3270 (520 - 3690)	3.67
	15	18	70 [1]	-	-	1.46	1.75	6.79	-	-	10.00 (2.70 - 10.97)	3450 (510 - 3450)	2.90	1.89	2.36	7.75	-	-	12.00 (2.90 - 12.70)	3270 (520 - 3690)	3.67
	15	25	25	-	-	1.50	2.50	2.50	-	-	6.50 (2.70 - 7.00)	1700 (510 - 2520)	3.82	2.00	3.40	3.40	-	-	8.80 (2.90 - 9.50)	2230 (520 - 3030)	3.95
	15	25	35	-	-	1.50	2.50	3.50	-	-	7.50 (2.70 - 8.30)	2100 (510 - 3090)	3.57	2.00	3.40	4.30	-	-	9.70 (2.90 - 10.40)	2680 (520 - 3030)	3.62
	15	25	42 [1]	-	-	1.50	2.50	4.20	-	-	8.20 (2.70 - 8.70)	2480 (510 - 3360)	3.31	2.00	3.40	5.20	-	-	10.60 (2.90 - 11.30)	2910 (520 - 3030)	3.64
	15	25	50 [1]	-	-	1.50	2.50	5.00	-	-	9.00 (2.70 - 9.90)	2900 (510 - 3360)	3.10	2.00	3.40	6.50	-	-	11.90 (2.90 - 12.60)	3170 (520 - 3690)	3.75
	15	25	60 [1]	-	-	1.50	2.50	6.00	-	-	10.00 (2.70 - 11.00)	3450 (510 - 3600)	2.90	1.86	3.16	6.98	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	25	70 [1]	-	-	1.36	2.27	6.37	-	-	10.00 (2.70 - 11.00)	3550 (510 - 3600)	2.82	1.76	3.00	7.24	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	35	35	-	-	1.50	3.50	3.50	-	-	8.50 (2.70 - 9.40)	2640 (510 - 3600)	3.22	2.00	4.30	4.30	-	-	10.60 (2.90 - 11.30)	3000 (520 - 3360)	3.53
	15	35	42 [1]	-	-	1.50	3.50	4.20	-	-	9.20 (2.70 - 10.10)	3000 (510 - 3600)	3.07	2.00	4.30	5.20	-	-	11.50 (2.90 - 12.20)	3240 (520 - 3360)	3.55
	15	35	50 [1]	-	-	1.50	3.50	5.00	-	-	10.00 (2.70 - 11.00)	3450 (510 - 3600)	2.90	1.88	4.03	6.09	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	35	60 [1]	-	-	1.36	3.18	5.45	-	-	10.00 (2.70 - 11.00)	3550 (510 - 3700)	2.82	1.74	3.74	6.52	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	35	70 [1]	-	-	1.25	2.92	5.83	-	-	10.00 (2.70 - 12.50)	3600 (510 - 3800)	2.78	1.66	3.56	6.79	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	42 [1]	42 [1]	-	-	1.50	4.20	4.20	-	-	9.90 (2.70 - 10.50)	3400 (510 - 3600)	2.91	1.94	5.03	5.03	-	-	12.00 (2.90 - 12.70)	3470 (520 - 3690)	3.46
	15	42 [1]	50 [1]	-	-	1.50	4.20	5.00	-	-	10.00 (2.70 - 10.56)	3500 (510 - 3650)	2.86	1.75	4.55	5.69	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	42 [1]	60 [1]	-	-	1.28	3.59	5.13	-	-	10.00 (2.70 - 10.60)	3580 (510 - 3800)	2.79	1.63	4.24	6.12	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	42 [1]	70 [1]	-	-	1.18	3.31	7.00	-	-	10.00 (2.70 - 10.70)	3650 (510 - 3800)	2.74	1.56	4.05	6.39	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	15	50 [1]	50 [1]	-	-	1.30	4.35	4.35	-	-	10.00 (2.70 - 10.80)	3550 (510 - 3800)	2.82	1.60	5.20	5.20	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	15	50 [1]	60 [1]	-	-	1.20	4.00	4.80	-	-	10.00 (2.70 - 10.96)	3600 (510 - 3800)	2.78	1.50	4.88	5.63	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	15	50 [1]	70 [1]	-	-	1.11	3.70	5.19	-	-	10.00 (2.70 - 11.10)	3600 (510 - 3800)	2.78	1.44	4.67	5.89	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	15	60 [1]	60 [1]	-	-	1.11	4.44	4.44	-	-	10.00 (2.70 - 11.10)	3600 (510 - 3800)	2.78	1.41	5.29	5.29	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	18	18	18	-	-	1.80	1.80	1.80	-	-	5.40 (2.70 - 6.00)	1500 (510 - 1780)	3.60	2.50	2.50	2.50	-	-	7.50 (2.90 - 8.20)	1800 (520 - 2860)	4.17
	18	18	25	-	-	1.80	1.80	2.50	-	-	6.10 (2.70 - 6.80)	1540 (510 - 2150)	3.96	2.50	2.50	3.40	-	-	8.40 (2.90 - 9.10)	2050 (520 - 3060)	4.10
	18	18	35	-	-	1.80	1.80	3.50	-	-	7.10 (2.70 - 7.90)	1940 (510 - 2310)	3.66	2.50	2.50	4.30	-	-	9.30 (2.90 - 10.00)	2500 (520 - 3060)	3.72
	18	18	42 [1]	-	-	1.80	1.80	4.20	-	-	7.80 (2.70 - 8.60)	2250 (510 - 3460)	3.47	2.50	2.50	5.20	-	-	10.20 (2.90 - 10.90)	2815 (520 - 3060)	3.62
	18	18	50 [1]	-	-	1.80	1.80	5.00	-	-	8.60 (2.70 - 9.50)	2700 (510 - 3460)	3.19	2.50	2.50	6.50	-	-	11.50 (2.90 - 12.20)	3040 (520 - 3690)	3.78
	18	18	60 [1]	-	-	1.80	1.80	6.00	-	-	9.60 (2.70 - 10.60)	3200 (510 - 3460)	3.00	2.40	2.40	7.20	-	-	12.00 (2.90 - 12.70)	3370 (520 - 3690)	3.56
	18	18	70 [1]	-	-	1.70	1.70	6.60	-	-	10.00 (2.70 - 11.04)	3480 (510 - 3700)	2.87	2.27	2.27	7.45	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	25	25	-	-	1.80	2.50	2.50	-	-	6.80 (2.70 - 7.60)	1820 (510 - 2260)	3.74	2.50	3.40	3.40	-	-	9.30 (2.90 - 10.00)	2370 (520 - 2760)	3.92
	18	25	35	-	-	1.80	2.50	3.50	-	-	7.80 (2.70 - 8.70)	2250 (510 - 3270)	3.47	2.50	3.40	4.30	-	-	10.20 (2.90 - 10.90)	2780 (520 - 3080)	3.67
	18	25	42 [1]	-	-	1.80	2.50	4.20	-	-	8.50 (2.70 - 9.40)	2640 (510 - 3270)	3.22	2.50	3.40	5.20	-	-	11.10 (2.90 - 11.80)	3000 (520 - 3220)	3.70
	18	25	50 [1]	-	-	1.80	2.50	5.00	-	-	9.30 (2.70 - 10.30)	3050 (510 - 3270)	3.05	2.42	3.29	6.29	-	-	12.00 (2.90 - 12.70)	3270 (520 - 3690)	3.67
	18	25	60 [1]	-	-	1.75	2.43	5.83	-	-	10.00 (2.70 - 10.80)	3460 (510 - 3600)	2.89	2.24	3.04	6.72	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	25	70 [1]	-	-	1.59	2.21	6.19	-	-	10.00 (2.70 - 10.80)	3460 (510 - 3600)	2.89	2.13	2.89	6.98	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	35	35	-	-	1.80	3.50	3.50	-	-	8.80 (2.70 - 9.80)	2800 (510 - 3600)	3.14	2.50	4.30	4.30	-	-	11.10 (2.90 - 11.80)	3100 (520 - 3330)	3.58
	18	35	42 [1]	-	-	1.80	3.50	4.20	-	-	9.50 (2.70 - 10.10)	3180 (510 - 3600)	2.99	2.50	4.30	5.20	-	-	12.00 (2.90 - 12.70)	3340 (520 - 3430)	3.59
	18	35	50 [1]	-	-	1.75	3.40	4.85	-	-	10.00 (2.70 - 10.80)	3460 (510 - 3600)	2.89	2.26	3.88	5.86	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	35	60 [1]	-	-	1.59	3.10	5.31	-	-	10.00 (2.70 - 11.06)	3520 (510 - 3700)	2.84	2.10	3.61	6.29	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	35	70 [1]	-	-	1.46	2.85	5.69	-	-	10.00 (2.70 - 12.50)	3600 (510 - 3800)	2.78	2.00	3.44	6.56	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43

The total nominal cooling capacity must not exceed 16.6 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
3 indoor units (air/air)	18	42 [1]	42 [1]	-	-	1.76	4.12	4.12	-	-	10.00 (2.70 - 10.98)	3440 (510 - 3600)	2.91	2.33	4.84	4.84	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	42 [1]	50 [1]	-	-	1.64	3.82	4.55	-	-	10.00 (2.70 - 11.00)	3550 (510 - 3700)	2.82	2.11	4.39	5.49	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	42 [1]	60 [1]	-	-	1.50	3.50	5.00	-	-	10.00 (2.70 - 12.50)	3600 (510 - 4000)	2.78	1.97	4.11	5.92	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	42 [1]	70 [1]	-	-	1.38	3.23	5.38	-	-	10.00 (2.70 - 12.50)	3600 (510 - 4000)	2.78	1.89	3.92	6.19	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	18	50 [1]	50 [1]	-	-	1.53	4.24	4.24	-	-	10.00 (2.70 - 12.50)	3580 (510 - 4000)	2.79	1.94	5.03	5.03	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	18	50 [1]	60 [1]	-	-	1.41	3.91	4.69	-	-	10.00 (2.70 - 12.50)	3600 (510 - 4000)	2.78	1.82	4.73	5.45	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	18	60 [1]	60 [1]	-	-	1.30	4.35	4.35	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4000)	2.72	1.71	5.14	5.14	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	25	25	25	-	-	2.50	2.50	2.50	-	-	7.50 (2.70 - 8.40)	2100 (510 - 2580)	3.57	3.40	3.40	3.40	-	-	10.20 (2.90 - 10.90)	2680 (520 - 2920)	3.81
	25	25	35	-	-	2.50	2.50	3.50	-	-	8.50 (2.70 - 9.50)	2640 (510 - 3110)	3.22	3.40	3.40	4.30	-	-	11.10 (2.90 - 11.80)	3000 (520 - 3250)	3.70
	25	25	42 [1]	-	-	2.50	2.50	4.20	-	-	9.20 (2.70 - 9.80)	3000 (510 - 3360)	3.07	3.40	3.40	5.20	-	-	12.00 (2.90 - 12.70)	3220 (520 - 3330)	3.73
	25	25	50 [1]	-	-	2.50	2.50	5.00	-	-	10.00 (2.70 - 11.10)	3450 (510 - 3600)	2.90	3.07	3.07	5.86	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3560)	3.43
	25	25	60 [1]	-	-	2.27	2.27	5.45	-	-	10.00 (2.70 - 11.09)	3550 (510 - 3700)	2.82	2.85	2.85	6.29	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3560)	3.43
	25	25	70 [1]	-	-	2.08	2.08	5.83	-	-	10.00 (2.70 - 12.50)	3600 (510 - 3700)	2.78	2.72	2.72	6.56	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	35	35	-	-	2.50	3.50	3.50	-	-	9.50 (2.70 - 10.60)	3180 (510 - 3500)	2.99	3.40	4.30	4.30	-	-	12.00 (2.90 - 12.70)	3320 (520 - 3690)	3.61
	25	35	42 [1]	-	-	2.45	3.43	4.12	-	-	10.00 (2.70 - 10.69)	3470 (510 - 3650)	2.88	3.16	4.00	4.84	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	35	50 [1]	-	-	2.27	3.18	4.55	-	-	10.00 (2.70 - 11.09)	3550 (510 - 3800)	2.82	2.87	3.63	5.49	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	35	60 [1]	-	-	2.08	2.92	5.00	-	-	10.00 (2.70 - 11.50)	3600 (510 - 3800)	2.78	2.68	3.39	5.92	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	35	70 [1]	-	-	1.92	2.69	5.38	-	-	10.00 (2.70 - 12.50)	3600 (510 - 3800)	2.78	2.57	3.25	6.19	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	42 [1]	42 [1]	-	-	2.29	3.85	3.85	-	-	10.00 (2.70 - 11.01)	3540 (510 - 3800)	2.82	2.96	4.52	4.52	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	42 [1]	50 [1]	-	-	2.14	3.59	4.27	-	-	10.00 (2.70 - 12.50)	3600 (510 - 3800)	2.78	2.70	4.13	5.17	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	25	42 [1]	60 [1]	-	-	1.97	3.31	4.72	-	-	10.00 (2.70 - 12.00)	3600 (510 - 4000)	2.78	2.53	3.88	5.59	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	25	42 [1]	70 [1]	-	-	1.82	3.07	5.11	-	-	10.00 (2.70 - 12.50)	3600 (510 - 4000)	2.78	2.43	3.71	5.86	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	25	50 [1]	50 [1]	-	-	2.00	4.00	4.00	-	-	10.00 (2.70 - 11.60)	3600 (510 - 4000)	2.78	2.49	4.76	4.76	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	25	50 [1]	60 [1]	-	-	1.85	3.70	4.44	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4000)	2.72	2.34	4.48	5.17	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	25	50 [1]	70 [1]	-	-	1.72	3.45	4.83	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4000)	2.72	2.25	4.31	5.44	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	35	35	35	-	-	3.33	3.33	3.33	-	-	10.00 (2.70 - 11.14)	3480 (510 - 4000)	2.87	4.00	4.00	4.00	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	35	35	42 [1]	-	-	3.13	3.13	3.75	-	-	10.00 (2.70 - 11.07)	3560 (510 - 4000)	2.81	3.74	3.74	4.52	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	35	35	50 [1]	-	-	2.92	2.92	4.17	-	-	10.00 (2.70 - 12.00)	3600 (510 - 4200)	2.78	3.42	3.42	5.17	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	35	35	60 [1]	-	-	2.69	2.69	4.62	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4200)	2.72	3.20	3.20	5.59	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	35	35	70 [1]	-	-	2.50	2.50	5.00	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4200)	2.72	3.07	3.07	5.86	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	35	42 [1]	42 [1]	-	-	2.94	3.53	3.53	-	-	10.00 (2.70 - 12.50)	3590 (510 - 4200)	2.79	3.51	4.24	4.24	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3690)	3.43
	35	42 [1]	50 [1]	-	-	2.76	3.31	3.94	-	-	10.00 (2.70 - 12.50)	3600 (510 - 4200)	2.78	3.23	3.90	4.88	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	35	42 [1]	60 [1]	-	-	2.55	3.07	4.38	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4200)	2.72	3.04	3.67	5.29	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	35	42 [1]	70 [1]	-	-	2.38	2.86	4.76	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4200)	2.72	2.92	3.53	5.56	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
	35	50 [1]	50 [1]	-	-	2.59	3.70	3.70	-	-	10.00 (2.70 - 12.50)	3680 (510 - 4300)	2.72	2.98	4.51	4.51	-	-	12.00 (2.90 - 12.70)	3500 (520 - 3890)	3.43
4 indoor units (air/air)	15	15	15	15	-	1.50	1.50	1.50	1.50	-	6.00 (2.90 - 6.40)	1600 (550 - 2000)	3.75	2.00	2.00	2.00	2.00	-	8.00 (3.00 - 8.70)	2000 (540 - 2650)	4.00
	15	15	15	18	-	1.50	1.50	1.50	1.80	-	6.30 (2.90 - 6.80)	1700 (550 - 2000)	3.71	2.00	2.00	2.00	2.50	-	8.50 (3.00 - 9.20)	2090 (540 - 2760)	4.07
	15	15	15	25	-	1.50	1.50	1.50	2.50	-	7.00 (2.90 - 7.60)	1900 (550 - 2200)	3.68	2.00	2.00	2.00	3.40	-	9.40 (3.00 - 10.10)	2290 (540 - 3030)	4.10
	15	15	15	35	-	1.50	1.50	1.50	3.50	-	8.00 (2.90 - 8.70)	2330 (550 - 3500)	3.43	2.00	2.00	2.00	4.30	-	10.30 (3.00 - 11.00)	2580 (540 - 3460)	3.99
	15	15	18	18	-	1.50	1.50	1.80	1.80	-	6.60 (2.90 - 7.20)	1800 (550 - 2100)	3.67	2.00	2.00	2.50	2.50	-	9.00 (3.00 - 9.70)	2170 (540 - 4000)	4.15
	15	15	18	25	-	1.50	1.50	1.80	2.50	-	7.30 (2.90 - 8.00)	2030 (550 - 2220	3.60	2.00	2.00	2.50	3.40	-	9.90 (3.00 - 10.60)	2370 (540 - 4000)	4.18
	15	15	18	35	-	1.50	1.50	1.80	3.50	-	8.30 (2.90 - 9.10)	2470 (550 - 3120)	3.36	2.00	2.00	2.50	4.30	-	10.80 (3.00 - 11.50)	2660 (540 - 4000)	4.06
	15	15	18	42 [1]	-	1.50	1.50	1.80	4.20	-	9.00 (2.90 - 9.80)	2790 (550 - 3120)	3.23	2.00	2.00	2.50	5.20	-	11.70 (3.00 - 12.40)	2860 (540 - 4000)	4.09
	15	15	18	50 [1]	-	1.50	1.50	1.80	5.00	-	9.80 (2.90 - 10.70)	3150 (550 - 3510)	3.11	1.85	1.85	2.31	6.00	-	12.00 (3.00 - 12.70)	3090 (540 - 4000)	3.88
	15	15	18	60 [1]	-	1.39	1.39	1.67	5.56	-	10.00 (2.90 - 10.93)	3310 (550 - 3510)	3.02	1.71	1.71	2.14	6.43	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	15	15	18	70 [1]	-	1.27	1.27	1.53	5.93	-	10.00 (2.90 - 12.50)	3390 (550 - 3510)	2.95	1.63	1.63	2.04	6.69	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	15	15	25	25	-	1.50	1.50	2.50	2.50	-	8.00 (2.90 - 8.80)	2330 (550 - 2580)	3.43	2.00	2.00	3.40	3.40	-	10.80 (3.00 - 11.50)	2580 (540 - 4000)	4.19
	15	15	25	35	-	1.50	1.50	2.50	3.50	-	9.00 (2.90 - 9.90)	2790 (550 - 3120)	3.23	2.00	2.00	3.40	4.30	-	11.70 (3.00 - 12.40)	2860 (540 - 4000)	4.09
	15	15	25	42 [1]	-	1.50	1.50	2.50	4.20	-	9.70 (2.90 - 10.60)	3110 (550 - 3510)	3.12	1.90	1.90	3.24	4.95	-	12.00 (3.00 - 12.70)	3060 (540 - 4000)	3.92
	15	15	25	50 [1]	-	1.43	1.43	2.38	4.76	-	10.00 (2.90 - 10.56)	3290 (550 - 3510)	3.04	1.73	1.73	2.94	5.61	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	15	15	25	60 [1]	-	1.30	1.30	2.17	5.22	-	10.00 (2.90 - 12.50)	3360 (550 - 3510)	2.98	1.61	1.61	2.74	6.04	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	15	15	25	70 [1]	-	1.20	1.20	2.00	5.60	-	10.00 (2.90 - 12.50)	3440 (550 - 3610)	2.91	1.54	1.54	2.62	6.31	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	15	15	35	35	-	1.50	1.50	3.50	3.50	-	10.00 (2.90 - 10.56)	3250 (550 - 3510)	3.08	1.90	1.90	4.10	4.10	-	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	15	15	35	42 [1]	-	1.40	1.40	3.27	3.93	-	10.00 (2.90 - 10.93)	3300 (550 - 3510)	3.03	1.78	1.78	3.82	4.62	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	15	35	50 [1]	-	1.30	1.30	3.04	4.35	-	10.00 (2.90 - 12.50)	3360 (550 - 3710)	2.98	1.62	1.62	3.49	5.27	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	15	35	60 [1]	-	1.20	1.20	2.80	4.80	-	10.00 (2.90 - 12.50)	3440 (550 - 3710)	2.91	1.52	1.52	3.27	5.70	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	15	35	70 [1]	-	1.11	1.11	2.59	5.19	-	10.00 (2.90 - 12.50)	3510 (550 - 3710)	2.85	1.45	1.45	3.13	5.96	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	15	42 [1]	42 [1]	-	1.32	1.32	3.68	3.68	-	10.00 (2.90 - 10.96)	3360 (550 - 4000)	2.98	1.67	1.67	4.33	4.33	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	15	42 [1]	50 [1]	-	1.23	1.23	3.44	4.10	-	10.00 (2.90 - 11.56)	3420 (550 - 4000)	2.92	1.53	1.53	3.97	4.97	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	15	15	42 [1]	60 [1]	-	1.14	1.14	3.18	4.55	-	10.00 (2.90 - 11.56)	3490 (550 - 4000)	2.87	1.44	1.44	3.74	5.39	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	15	15	50 [1]	50 [1]	-	1.15	1.15	3.85	3.85	-	10.00 (2.90 - 12.00)	3475 (550 - 4000)	2.88	1.41	1.41	4.59	4.59	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64

The total nominal cooling capacity must not exceed 16.6 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
4 indoor units (air/air)	15	15	50 (1)	60 (1)	-	1.07	1.07	3.57	4.29	-	10.00 (2.90 - 12.50)	3550 (550 - 4000)	2.82	1.33	1.33	4.33	5.00	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	15	18	18	18	-	1.50	1.80	1.80	1.80	-	6.90 (2.90 - 7.60)	1900 (550 - 2560)	3.63	2.00	2.50	2.50	2.50	-	9.50 (3.00 - 10.20)	2260 (540 - 4000)	4.20
	15	18	18	25	-	1.50	1.80	1.80	2.50	-	7.60 (2.90 - 8.40)	2150 (550 - 2560)	3.53	2.00	2.50	2.50	3.40	-	10.40 (3.00 - 11.10)	2460 (540 - 4000)	4.23
	15	18	18	35	-	1.50	1.80	1.80	3.50	-	8.60 (2.90 - 9.50)	2600 (550 - 3060)	3.31	2.00	2.50	2.50	4.30	-	11.30 (3.00 - 12.00)	2750 (540 - 4000)	4.11
	15	18	18	42 (1)	-	1.50	1.80	1.80	4.20	-	9.30 (2.90 - 10.20)	2930 (550 - 3120)	3.17	1.97	2.46	2.46	5.11	-	12.00 (3.00 - 12.70)	2950 (540 - 4000)	4.07
	15	18	18	50 (1)	-	1.49	1.78	1.78	4.95	-	10.00 (2.90 - 10.99)	3260 (550 - 3500)	3.07	1.78	2.22	2.22	5.78	-	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	15	18	18	60 (1)	-	1.35	1.62	1.62	5.41	-	10.00 (2.90 - 10.99)	3330 (550 - 3600)	3.00	1.66	2.07	2.07	6.21	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	18	18	70 (1)	-	1.24	1.49	1.49	5.79	-	10.00 (2.90 - 12.50)	3410 (550 - 3700)	2.93	1.58	1.97	1.97	6.47	-	12.00 (3.00 - 12.70)	3200 (540 - 4000)	3.75
	15	18	25	25	-	1.50	1.80	2.50	2.50	-	8.30 (2.90 - 9.20)	2470 (550 - 3120)	3.36	2.00	2.50	3.40	3.40	-	11.30 (3.00 - 12.00)	2660 (540 - 4000)	4.25
	15	18	25	35	-	1.50	1.80	2.50	3.50	-	9.30 (2.90 - 10.30)	2930 (550 - 3120)	3.17	1.97	2.46	3.34	4.23	-	12.00 (3.00 - 12.70)	2950 (540 - 4000)	4.07
	15	18	25	42 (1)	-	1.50	1.80	2.50	4.20	-	10.00 (2.90 - 11.00)	3250 (550 - 3500)	3.08	1.83	2.29	3.11	4.76	-	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	15	18	25	50 (1)	-	1.39	1.67	2.31	4.63	-	10.00 (2.90 - 10.56)	3310 (550 - 3600)	3.02	1.67	2.08	2.83	5.42	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	15	18	25	60 (1)	-	1.27	1.53	2.12	5.08	-	10.00 (2.90 - 10.80)	3390 (550 - 3700)	2.95	1.56	1.95	2.65	5.84	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	15	18	25	70 (1)	-	1.17	1.41	1.95	5.47	-	10.00 (2.90 - 10.80)	3460 (550 - 3700)	2.89	1.49	1.86	2.53	6.11	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	15	18	35	35	-	1.46	1.75	3.40	3.40	-	10.00 (2.90 - 10.60)	3270 (550 - 3700)	3.06	1.83	2.29	3.94	3.94	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	15	18	35	42 (1)	-	1.36	1.64	3.18	3.82	-	10.00 (2.90 - 11.00)	3330 (550 - 3700)	3.00	1.71	2.14	3.69	4.46	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	35	50 (1)	-	1.27	1.53	2.97	4.24	-	10.00 (2.90 - 10.90)	3390 (550 - 4000)	2.95	1.57	1.96	3.37	5.10	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	35	60 (1)	-	1.17	1.41	2.73	4.69	-	10.00 (2.90 - 11.00)	3460 (550 - 4000)	2.89	1.47	1.84	3.17	5.52	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	35	70 (1)	-	1.09	1.30	2.54	5.07	-	10.00 (2.90 - 11.00)	3540 (550 - 4000)	2.82	1.41	1.76	3.04	5.79	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	42 (1)	42 (1)	-	1.28	1.54	3.59	3.59	-	10.00 (2.90 - 10.90)	3380 (550 - 4000)	2.96	1.61	2.01	4.19	4.19	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	42 (1)	50 (1)	-	1.20	1.44	3.36	4.00	-	10.00 (2.90 - 11.30)	3440 (550 - 4000)	2.91	1.48	1.85	3.85	4.81	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	42 (1)	60 (1)	-	1.11	1.33	3.11	4.44	-	10.00 (2.90 - 11.50)	3510 (550 - 4000)	2.85	1.40	1.74	3.63	5.23	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	50 (1)	50 (1)	-	1.13	1.35	3.76	3.76	-	10.00 (2.90 - 11.30)	3500 (550 - 4000)	2.86	1.37	1.71	4.46	4.46	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	18	50 (1)	60 (1)	-	1.05	1.26	3.50	4.20	-	10.00 (2.90 - 12.50)	3570 (550 - 4300)	2.80	1.30	1.62	4.22	4.86	-	12.00 (3.00 - 12.70)	3400 (540 - 4400)	3.53
	15	25	25	25	-	1.50	2.50	2.50	2.50	-	9.00 (2.90 - 10.00)	2790 (550 - 3130)	3.23	1.97	3.34	3.34	3.34	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	15	25	25	35	-	1.50	2.50	2.50	3.50	-	10.00 (2.90 - 11.10)	3250 (550 - 3500)	3.08	1.83	3.11	3.11	3.94	-	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	15	25	25	42 (1)	-	1.40	2.34	2.34	3.93	-	10.00 (2.90 - 11.03)	3300 (550 - 3500)	3.03	1.71	2.91	2.91	4.46	-	12.00 (3.00 - 12.70)	3200 (540 - 4400)	3.75
	15	25	25	50 (1)	-	1.30	2.17	2.17	4.35	-	10.00 (2.90 - 10.80)	3360 (550 - 3500)	2.98	1.57	2.67	2.67	5.10	-	12.00 (3.00 - 12.70)	3400 (540 - 4400)	3.53
	15	25	25	60 (1)	-	1.20	2.00	2.00	4.80	-	10.00 (2.90 - 10.90)	3440 (550 - 3700)	2.91	1.47	2.50	2.50	5.52	-	12.00 (3.00 - 12.70)	3400 (540 - 4400)	3.53
	15	25	25	70 (1)	-	1.11	1.85	1.85	5.19	-	10.00 (2.90 - 10.90)	3510 (550 - 3700)	2.85	1.41	2.40	2.40	5.79	-	12.00 (3.00 - 12.70)	3400 (540 - 4400)	3.53
	15	25	35	35	-	1.36	2.27	3.18	3.18	-	10.00 (2.90 - 10.50)	3330 (550 - 3700)	3.00	1.71	2.91	3.69	3.69	-	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	15	25	35	42 (1)	-	1.28	2.14	2.99	3.59	-	10.00 (2.90 - 12.50)	3380 (550 - 3700)	2.96	1.61	2.74	3.46	4.19	-	12.00 (3.00 - 12.70)	3250 (540 - 4000)	3.69
	15	25	35	50 (1)	-	1.20	2.00	2.80	4.00	-	10.00 (2.90 - 10.80)	3440 (550 - 3700)	2.91	1.48	2.52	3.19	4.81	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	15	25	35	60 (1)	-	1.11	1.85	2.59	4.44	-	10.00 (2.90 - 10.90)	3510 (550 - 3700)	2.85	1.40	2.37	3.00	5.23	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	15	25	42 (1)	42 (1)	-	1.21	2.02	3.39	3.39	-	10.00 (2.90 - 10.63)	3430 (550 - 3700)	2.92	1.52	2.58	3.95	3.95	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	15	25	42 (1)	50 (1)	-	1.14	1.89	3.18	3.79	-	10.00 (2.90 - 10.90)	3490 (550 - 4000)	2.87	1.40	2.39	3.65	4.56	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	15	35	35	35	-	1.25	2.92	2.92	2.92	-	10.00 (2.90 - 12.50)	3400 (550 - 3700)	2.94	1.61	3.46	3.46	3.46	-	12.00 (3.00 - 12.70)	3220 (540 - 4000)	3.73
	15	35	35	42 (1)	-	1.18	2.76	2.76	3.31	-	10.00 (2.90 - 12.50)	3450 (550 - 3700)	2.90	1.52	3.27	3.27	3.95	-	12.00 (3.00 - 12.70)	3450 (540 - 4000)	3.48
	15	35	35	50 (1)	-	1.11	2.59	2.59	3.70	-	10.00 (2.90 - 12.50)	3510 (550 - 4300)	2.85	1.40	3.02	3.02	4.56	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	15	35	42 (1)	42 (1)	-	1.12	2.61	3.13	3.13	-	10.00 (2.90 - 12.50)	3500 (550 - 4300)	2.86	1.44	3.09	3.74	3.74	-	12.00 (3.00 - 12.70)	3600 (540 - 4400)	3.33
	15	35	42 (1)	50 (1)	-	1.06	2.46	2.96	3.52	-	10.00 (2.90 - 12.50)	3570 (550 - 4300)	2.80	1.33	2.87	3.47	4.33	-	12.00 (3.00 - 12.70)	3600 (540 - 4400)	3.33
	15	42 (1)	42 (1)	42 (1)	-	1.06	2.98	2.98	2.98	-	10.00 (2.90 - 12.50)	3560 (550 - 4300)	2.81	1.36	3.55	3.55	3.55	-	12.00 (3.00 - 12.70)	3600 (540 - 4400)	3.33
	18	18	18	18	-	1.80	1.80	1.80	1.80	-	7.20 (2.90 - 8.00)	2000 (550 - 3120)	3.60	2.50	2.50	2.50	2.50	-	10.00 (3.00 - 10.70)	2350 (540 - 4000)	4.26
	18	18	18	25	-	1.80	1.80	1.80	2.50	-	7.90 (2.90 - 8.80)	2280 (550 - 3120)	3.46	2.50	2.50	2.50	3.40	-	10.90 (3.00 - 11.60)	2550 (540 - 4000)	4.27
	18	18	18	35	-	1.80	1.80	1.80	3.50	-	8.90 (2.90 - 9.90)	2740 (550 - 3120)	3.25	2.50	2.50	2.50	4.30	-	11.80 (3.00 - 12.50)	2840 (540 - 4000)	4.15
	18	18	18	42 (1)	-	1.80	1.80	1.80	4.20	-	9.60 (2.90 - 10.60)	3070 (550 - 3460)	3.13	2.36	2.36	2.36	4.91	-	12.00 (3.00 - 12.70)	3040 (540 - 4000)	3.95
	18	18	18	50 (1)	-	1.73	1.73	1.73	4.81	-	10.00 (2.90 - 11.06)	3280 (550 - 3460)	3.05	2.14	2.14	2.14	5.57	-	12.00 (3.00 - 12.70)	3250 (540 - 4000)	3.69
	18	18	18	60 (1)	-	1.58	1.58	1.58	5.26	-	10.00 (2.90 - 12.50)	3355 (550 - 3600)	2.98	2.00	2.00	2.00	6.00	-	12.00 (3.00 - 12.70)	3250 (540 - 4000)	3.69
	18	18	18	70 (1)	-	1.45	1.45	1.45	5.65	-	10.00 (2.90 - 4.84)	3430 (550 - 3700)	2.92	1.91	1.91	1.91	6.27	-	12.00 (3.00 - 12.70)	3250 (540 - 4000)	3.69
	18	18	25	25	-	1.80	1.80	2.50	2.50	-	8.60 (2.90 - 9.60)	2600 (550 - 3040)	3.31	2.50	2.50	3.40	3.40	-	11.80 (3.00 - 12.50)	2750 (540 - 4000)	4.29
	18	18	25	35	-	1.80	1.80	2.50	3.50	-	9.60 (2.90 - 10.10)	3070 (550 - 3460)	3.13	2.36	2.36	3.21	4.06	-	12.00 (3.00 - 12.70)	3040 (540 - 4000)	3.95
	18	18	25	42 (1)	-	1.75	1.75	2.43	4.08	-	10.00 (2.90 - 10.68)	3270 (550 - 3460)	3.06	2.21	2.21	3.00	4.59	-	12.00 (3.00 - 12.70)	3170 (540 - 4000)	3.79
	18	18	25	50 (1)	-	1.62	1.62	2.25	4.50	-	10.00 (2.90 - 11.15)	3330 (550 - 3600)	3.00	2.01	2.01	2.74	5.23	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	18	18	25	60 (1)	-	1.49	1.49	2.07	4.96	-	10.00 (2.90 - 11.60)	3400 (550 - 3700)	2.94	1.89	1.89	2.57	5.66	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	18	18	25	70 (1)	-	1.37	1.37	1.91	5.34	-	10.00 (2.90 - 11.60)	3480 (550 - 3700)	2.87	1.81	1.81	2.46	5.93	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	18	18	35	35	-	1.70	1.70	3.30	3.30	-	10.00 (2.90 - 10.60)	3300 (550 - 3460)	3.03	2.21	2.21	3.79	3.79	-	12.00 (3.00 - 12.70)	3190 (540 - 4000)	3.76
	18	18	35	42 (1)	-	1.59	1.59	3.10	3.72	-	10.00 (2.90 - 10.99)	3350 (550 - 3600)	2.99	2.07	2.07	3.56	4.30	-	12.00 (3.00 - 12.70)	3240 (540 - 4000)	3.70
	18	18	35	50 (1)	-	1.49	1.49	2.89	4.13	-	10.00 (2.90 - 11.50)	3400 (550 - 3700)	2.94	1.90	1.90	3.27	4.94	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	18	18	35	60 (1)	-	1.37	1.37	2.67	4.58	-	10.00 (2.90 - 12.00)	3480 (550 - 3700)	2.87	1.79	1.79	3.07	5.36	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	18	18	35	70 (1)	-	1.28	1.28	2.48	4.96	-	10.00 (2.90 - 12.00)	3560 (550 - 3700)	2.81	1.71	1.71	2.95	5.62	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	18	18	42 (1)	42 (1)	-	1.50	1.50	3.50	3.50	-	10.00 (2.90 - 12.50)	3400 (550 - 3700)	2.94	1.95	1.95	4.05	4.05	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48

The total nominal cooling capacity must not exceed 16.6 kW.
(1) For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
4 indoor units (air/air)	18	18	42 [1]	50 [1]	-	1.41	1.41	3.28	3.91	-	10.00 (2.90 - 10.80)	3460 (550 - 4000)	2.89	1.80	1.80	3.74	4.67	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	18	18	50 [1]	50 [1]	-	1.32	1.32	3.68	3.68	-	10.00 (2.90 - 11.20)	3520 (550 - 4000)	2.84	1.67	1.67	4.33	4.33	-	12.00 (3.00 - 12.70)	3550 (540 - 4400)	3.38
	18	25	25	25	-	1.80	2.50	2.50	2.50	-	9.30 (2.90 - 10.40)	2930 (550 - 3460)	3.17	2.36	3.21	3.21	3.21	-	12.00 (3.00 - 12.70)	2950 (540 - 4000)	4.07
	18	25	25	35	-	1.75	2.43	2.43	3.40	-	10.00 (2.90 - 10.99)	3270 (550 - 3460)	3.06	2.21	3.00	3.00	3.79	-	12.00 (3.00 - 12.70)	3170 (540 - 4000)	3.79
	18	25	25	42 [1]	-	1.64	2.27	2.27	3.82	-	10.00 (2.90 - 11.30)	3325 (550 - 3600)	3.01	2.07	2.81	2.81	4.30	-	12.00 (3.00 - 12.70)	3190 (540 - 4000)	3.76
	18	25	25	50 [1]	-	1.53	2.12	2.12	4.24	-	10.00 (2.90 - 11.80)	3385 (550 - 3700)	2.95	1.90	2.58	2.58	4.94	-	12.00 (3.00 - 12.70)	3320 (540 - 4000)	3.61
	18	25	25	60 [1]	-	1.41	1.95	1.95	4.69	-	10.00 (2.90 - 12.30)	3460 (550 - 3700)	2.89	1.79	2.43	2.43	5.36	-	12.00 (3.00 - 12.70)	3320 (540 - 4000)	3.61
	18	25	25	70 [1]	-	1.30	1.81	1.81	5.07	-	10.00 (2.90 - 12.30)	3100 (550 - 3700)	3.23	1.71	2.33	2.33	5.62	-	12.00 (3.00 - 12.70)	3320 (540 - 4000)	3.61
	18	25	35	35	-	1.59	2.21	3.10	3.10	-	10.00 (2.90 - 10.99)	3350 (550 - 3600)	2.99	2.07	2.81	3.56	3.56	-	12.00 (3.00 - 12.70)	3180 (540 - 4000)	3.77
	18	25	35	42 [1]	-	1.50	2.08	2.92	3.50	-	10.00 (2.90 - 11.30)	3400 (550 - 3700)	2.94	1.95	2.65	3.35	4.05	-	12.00 (3.00 - 12.70)	3220 (540 - 4000)	3.73
	18	25	35	50 [1]	-	1.41	1.95	2.73	3.91	-	10.00 (2.90 - 11.80)	3460 (550 - 4000)	2.89	1.80	2.44	3.09	4.67	-	12.00 (3.00 - 12.70)	3550 (540 - 4500)	3.38
	18	25	35	60 [1]	-	1.30	1.81	2.54	4.35	-	10.00 (2.90 - 12.30)	3535 (550 - 4000)	2.83	1.69	2.31	2.92	5.08	-	12.00 (3.00 - 12.70)	3550 (540 - 4400)	3.38
	18	25	42 [1]	42 [1]	-	1.42	1.97	3.31	3.31	-	10.00 (2.90 - 11.30)	3450 (550 - 3860)	2.90	1.84	2.50	3.83	3.83	-	12.00 (3.00 - 12.70)	3300 (540 - 4400)	3.64
	18	25	42 [1]	50 [1]	-	1.33	1.85	3.11	3.70	-	10.00 (2.90 - 11.80)	3510 (550 - 4000)	2.85	1.70	2.32	3.55	4.43	-	12.00 (3.00 - 12.70)	3300 (540 - 4400)	3.64
	18	35	35	35	-	1.46	2.85	2.85	2.85	-	10.00 (2.90 - 10.90)	3420 (550 - 4000)	2.92	1.95	3.35	3.35	3.35	-	12.00 (3.00 - 12.70)	3230 (540 - 4000)	3.72
	18	35	35	42 [1]	-	1.38	2.69	2.69	3.23	-	10.00 (2.90 - 11.20)	3475 (550 - 4300)	2.88	1.84	3.17	3.17	3.83	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	18	35	35	50 [1]	-	1.30	2.54	2.54	3.62	-	10.00 (2.90 - 11.70)	3535 (550 - 4300)	2.83	1.70	2.93	2.93	4.43	-	12.00 (3.00 - 12.70)	3600 (540 - 4000)	3.33
	18	35	42 [1]	42 [1]	-	1.31	2.55	3.07	3.07	-	10.00 (2.90 - 11.50)	3530 (550 - 4300)	2.83	1.74	3.00	3.63	3.63	-	12.00 (3.00 - 12.70)	3400 (540 - 4000)	3.53
	18	35	42 [1]	50 [1]	-	1.24	2.41	2.90	3.45	-	10.00 (2.90 - 12.00)	3590 (550 - 4300)	2.79	1.62	2.79	3.37	4.22	-	12.00 (3.00 - 12.70)	3600 (540 - 4400)	3.33
	25	25	25	25	-	2.50	2.50	2.50	2.50	-	10.00 (2.90 - 11.20)	3150 (550 - 3460)	3.17	3.00	3.00	3.00	3.00	-	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	25	25	25	35	-	2.27	2.27	2.27	3.18	-	10.00 (2.90 - 11.50)	3325 (550 - 3700)	3.01	2.81	2.81	2.81	3.56	-	12.00 (3.00 - 12.70)	3300 (540 - 4000)	3.64
	25	25	25	42 [1]	-	2.14	2.14	2.14	3.59	-	10.00 (2.90 - 11.80)	3380 (550 - 3700)	2.96	2.65	2.65	2.65	4.05	-	12.00 (3.00 - 12.70)	3450 (540 - 4400)	3.48
	25	25	25	50 [1]	-	2.00	2.00	2.00	4.00	-	10.00 (2.90 - 12.30)	3440 (550 - 4000)	2.91	2.44	2.44	2.44	4.67	-	12.00 (3.00 - 12.70)	3550 (540 - 4400)	3.38
	25	25	25	60 [1]	-	1.85	1.85	1.85	4.44	-	10.00 (2.90 - 12.50)	3510 (550 - 4000)	2.85	2.31	2.31	2.31	5.08	-	12.00 (3.00 - 12.70)	3550 (540 - 4400)	3.38
	25	25	35	35	-	2.08	2.08	2.92	2.92	-	10.00 (2.90 - 11.90)	3400 (550 - 3700)	2.94	2.65	2.65	3.35	3.35	-	12.00 (3.00 - 12.70)	3490 (540 - 4400)	3.44
	25	25	35	42 [1]	-	1.97	1.97	2.76	3.31	-	10.00 (2.90 - 12.20)	3450 (550 - 4000)	2.90	2.50	2.50	3.17	3.83	-	12.00 (3.00 - 12.70)	3600 (540 - 4400)	3.33
	25	25	35	50 [1]	-	1.85	1.85	2.59	3.70	-	10.00 (2.90 - 12.60)	3500 (550 - 4500)	2.86	2.32	2.32	2.93	4.43	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
	25	25	42 [1]	42 [1]	-	1.87	1.87	3.13	3.13	-	10.00 (2.90 - 12.50)	3550 (550 - 4300)	2.82	2.37	2.37	3.63	3.63	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
	25	35	35	35	-	1.92	2.69	2.69	2.69	-	10.00 (2.90 - 12.23)	3475 (550 - 4300)	2.88	2.50	3.17	3.17	3.17	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
	25	35	35	42 [1]	-	1.82	2.55	2.55	3.07	-	10.00 (2.90 - 12.50)	3530 (550 - 4300)	2.83	2.37	3.00	3.00	3.63	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
	25	35	35	50 [1]	-	1.72	2.41	2.41	3.45	-	10.00 (2.90 - 12.50)	3590 (550 - 4300)	2.79	2.21	2.79	2.79	4.22	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
	25	35	35	60 [1]	-	1.61	2.26	2.26	3.87	-	10.00 (2.90 - 12.50)	3660 (550 - 4300)	2.73	2.09	2.65	2.65	4.62	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
	35	35	35	35	-	2.50	2.50	2.50	2.50	-	10.00 (2.90 - 12.50)	3550 (550 - 4300)	2.82	3.00	3.00	3.00	3.00	-	12.00 (3.00 - 12.70)	3700 (540 - 4400)	3.24
5 indoor units (air/air)	15	15	15	15	15	1.50	1.50	1.50	1.50	1.50	7.50 (2.40 - 8.00)	2100 (550 - 2800)	3.57	2.00	2.00	2.00	2.00	2.00	10.00 (3.40 - 10.70)	2430 (610 - 2720)	4.12
	15	15	15	15	18	1.50	1.50	1.50	1.50	1.80	7.80 (2.70 - 8.40)	2238 (550 - 2800)	3.49	2.00	2.00	2.00	2.00	2.50	10.50 (3.40 - 11.20)	2520 (610 - 2830)	4.17
	15	15	15	15	25	1.50	1.50	1.50	1.50	2.50	8.50 (2.90 - 9.20)	2560 (550 - 2800)	3.32	2.00	2.00	2.00	2.00	3.40	11.40 (3.40 - 12.10)	2720 (610 - 2880)	4.19
	15	15	15	15	35	1.50	1.50	1.50	1.50	3.50	9.50 (2.90 - 10.30)	3020 (550 - 3460)	3.15	1.95	1.95	1.95	1.95	4.20	12.00 (3.40 - 12.70)	3000 (610 - 4000)	4.00
	15	15	15	15	42 [1]	1.47	1.47	1.47	1.47	4.12	10.00 (2.90 - 10.78)	3268 (550 - 3460)	3.06	1.82	1.82	1.82	1.82	4.73	12.00 (3.40 - 12.70)	3150 (610 - 4000)	3.81
	15	15	15	15	50 [1]	1.36	1.36	1.36	1.36	4.55	10.00 (2.90 - 10.82)	3342 (550 - 3460)	2.99	1.66	1.66	1.66	1.66	5.38	12.00 (3.40 - 12.70)	3300 (610 - 4000)	3.64
	15	15	15	15	60 [1]	1.25	1.25	1.25	1.25	5.00	10.00 (2.90 - 11.30)	3433 (550 - 3600)	2.91	1.55	1.55	1.55	1.55	5.81	12.00 (3.40 - 12.70)	3300 (610 - 4000)	3.64
	15	15	15	15	70 [1]	1.15	1.15	1.15	1.15	5.38	10.00 (2.90 - 11.30)	3525 (550 - 3700)	2.84	1.48	1.48	1.48	1.48	6.07	12.00 (3.40 - 12.70)	3300 (610 - 4000)	3.64
	15	15	15	18	18	1.50	1.50	1.50	1.80	1.80	8.10 (2.90 - 8.80)	2376 (550 - 2500)	3.41	2.00	2.00	2.00	2.50	2.50	11.00 (3.40 - 11.70)	2600 (610 - 4000)	4.23
	15	15	15	18	25	1.50	1.50	1.50	1.80	2.50	8.80 (2.90 - 9.60)	2698 (550 - 3460)	3.26	2.00	2.00	2.00	2.50	3.40	11.90 (3.40 - 12.60)	2800 (610 - 4000)	4.25
	15	15	15	18	35	1.50	1.50	1.50	1.80	3.50	9.80 (2.90 - 10.70)	3158 (550 - 3460)	3.10	1.88	1.88	1.88	2.34	4.03	12.00 (3.40 - 12.70)	3090 (610 - 4000)	3.88
	15	15	15	18	42 [1]	1.43	1.43	1.43	1.71	4.00	10.00 (2.90 - 11.00)	3296 (550 - 3600)	3.03	1.75	1.75	1.75	2.19	4.55	12.00 (3.40 - 12.70)	3180 (610 - 4000)	3.77
	15	15	15	18	50 [1]	1.33	1.33	1.33	1.59	4.42	10.00 (2.90 - 11.30)	3369 (550 - 3700)	2.97	1.60	1.60	1.60	2.00	5.20	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	15	15	15	18	60 [1]	1.22	1.22	1.22	1.46	4.88	10.00 (2.90 - 11.60)	3461 (550 - 3700)	2.89	1.50	1.50	1.50	1.88	5.63	12.00 (3.40 - 12.70)	3400 (610 - 4000)	3.53
	15	15	15	18	70 [1]	1.13	1.13	1.13	1.35	5.26	10.00 (2.90 - 11.60)	3553 (550 - 3700)	2.81	1.44	1.44	1.44	1.80	5.89	12.00 (3.40 - 12.70)	3400 (610 - 4000)	3.53
	15	15	15	25	25	1.50	1.50	1.50	2.50	2.50	9.50 (2.90 - 9.90)	3020 (550 - 3460)	3.15	1.88	1.88	1.88	3.19	3.19	12.00 (3.40 - 12.70)	3000 (610 - 4000)	4.00
	15	15	15	25	35	1.43	1.43	1.43	2.38	3.33	10.00 (2.90 - 10.30)	3296 (550 - 3460)	3.03	1.75	1.75	1.75	2.98	3.77	12.00 (3.40 - 12.70)	3180 (610 - 4000)	3.77
	15	15	15	25	42 [1]	1.34	1.34	1.34	2.23	3.75	10.00 (2.90 - 10.80)	3360 (550 - 3700)	2.98	1.64	1.64	1.64	2.79	4.27	12.00 (3.40 - 12.70)	3320 (610 - 4000)	3.61
	15	15	15	25	50 [1]	1.25	1.25	1.25	2.08	4.17	10.00 (2.90 - 11.30)	3433 (550 - 4000)	2.91	1.51	1.51	1.51	2.57	4.91	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	15	15	25	60 [1]	1.15	1.15	1.15	1.92	4.62	10.00 (2.90 - 11.80)	3525 (550 - 4000)	2.84	1.42	1.42	1.42	2.41	5.33	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	15	15	25	70 [1]	1.07	1.07	1.07	1.79	5.00	10.00 (2.90 - 11.80)	3617 (550 - 4000)	2.76	1.36	1.36	1.36	2.32	5.59	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	15	15	35	35	1.30	1.30	1.30	3.04	3.04	10.00 (2.90 - 12.50)	3388 (550 - 4000)	2.95	1.64	1.64	1.64	3.53	3.53	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	15	15	15	35	42 [1]	1.23	1.23	1.23	2.87	3.44	10.00 (2.90 - 11.50)	3452 (550 - 4000)	2.90	1.55	1.55	1.55	3.33	4.03	12.00 (3.40 - 12.70)	3480 (610 - 4000)	3.45
	15	15	15	35	50 [1]	1.15	1.15	1.15	2.69	3.85	10.00 (2.90 - 12.00)	3525 (550 - 4300)	2.84	1.43	1.43	1.43	3.07	4.64	12.00 (3.40 - 12.70)	3600 (610 - 4400)	3.33
	15	15	15	42 [1]	42 [1]	1.16	1.16	1.16	3.26	3.26	10.00 (2.90 - 11.80)	3516 (550 - 4300)	2.84	1.46	1.46	1.46	3.80	3.80	12.00 (3.40 - 12.70)	3550 (610 - 4400)	3.38
	15	15	15	42 [1]	50 [1]	1.09	1.09	1.09	3.07	3.65	10.00 (2.90 - 12.10)	3589 (550 - 4300)	2.79	1.36	1.36	1.36	3.53	4.41	12.00 (3.40 - 12.70)	3680 (610 - 4400)	3.26
	15	15	18	18	18	1.50	1.50	1.80	1.80	1.80	8.40 (2.90 - 9.20)	2514 (550 - 2700)	3.34	2.00	2.00	2.50	2.50	2.50	11.50 (3.40 - 12.20)	2690 (610 - 4000)	4.28

The total nominal cooling capacity must not exceed 16.6 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
5 indoor units (air/air)	15	15	18	18	25	1.50	1.50	1.80	1.80	2.50	9.10 (2.90 - 9.70)	2836 (550 - 3460)	3.21	1.94	1.94	2.42	2.42	3.29	12.00 (3.40 - 12.70)	2890 (610 - 4000)	4.15
	15	15	18	18	35	1.49	1.49	1.78	1.78	3.47	10.00 (2.90 - 10.30)	3259 (550 - 3460)	3.07	1.80	1.80	2.26	2.26	3.88	12.00 (3.40 - 12.70)	3160 (610 - 4000)	3.80
	15	15	18	18	42 [1]	1.39	1.39	1.67	1.67	3.89	10.00 (2.90 - 10.93)	3323 (550 - 3700)	3.01	1.69	1.69	2.11	2.11	4.39	12.00 (3.40 - 12.70)	3300 (610 - 4000)	3.64
	15	15	18	18	50 [1]	1.29	1.29	1.55	1.55	4.31	10.00 (2.90 - 12.50)	3397 (550 - 3700)	2.94	1.55	1.55	1.94	1.94	5.03	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	15	18	18	60 [1]	1.19	1.19	1.43	1.43	4.76	10.00 (2.90 - 11.50)	3488 (550 - 3700)	2.87	1.45	1.45	1.82	1.82	5.45	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	15	18	18	70 [1]	1.10	1.10	1.32	1.32	5.15	10.00 (2.90 - 11.50)	3580 (550 - 3700)	2.79	1.40	1.40	1.74	1.74	5.72	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	15	18	25	25	1.50	1.50	1.80	2.50	2.50	9.80 (2.90 - 10.30)	3235 (550 - 3460)	3.03	1.80	1.80	2.26	3.07	3.07	12.00 (3.40 - 12.70)	3100 (610 - 4000)	3.87
	15	15	18	25	35	1.39	1.39	1.67	2.31	3.24	10.00 (2.90 - 10.80)	3323 (550 - 3700)	3.01	1.69	1.69	2.11	2.87	3.63	12.00 (3.40 - 12.70)	3300 (610 - 4000)	3.64
	15	15	18	25	42 [1]	1.30	1.30	1.57	2.17	3.65	10.00 (2.90 - 11.10)	3388 (550 - 3700)	2.95	1.59	1.59	1.99	2.70	4.13	12.00 (3.40 - 12.70)	3380 (610 - 4000)	3.55
	15	15	18	25	50 [1]	1.22	1.22	1.46	2.03	4.07	10.00 (2.90 - 11.60)	3461 (550 - 4000)	2.89	1.46	1.46	1.83	2.49	4.76	12.00 (3.40 - 12.70)	3550 (610 - 4000)	3.38
	15	15	18	25	60 [1]	1.13	1.13	1.35	1.88	4.51	10.00 (2.90 - 12.10)	3553 (550 - 4000)	2.81	1.38	1.38	1.72	2.34	5.17	12.00 (3.40 - 12.70)	3550 (610 - 4000)	3.38
	15	15	18	25	70 [1]	1.05	1.05	1.26	1.75	4.90	10.00 (2.90 - 12.10)	3644 (550 - 4000)	2.74	1.33	1.33	1.66	2.25	5.44	12.00 (3.40 - 12.70)	3550 (610 - 4000)	3.38
	15	15	18	35	35	1.27	1.27	1.53	2.97	2.97	10.00 (2.90 - 12.50)	3415 (550 - 4000)	2.93	1.59	1.59	1.99	3.42	3.42	12.00 (3.40 - 12.70)	3200 (610 - 4000)	3.75
	15	15	18	35	42 [1]	1.20	1.20	1.44	2.80	3.36	10.00 (2.90 - 12.50)	3479 (550 - 4000)	2.87	1.50	1.50	1.88	3.23	3.90	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	15	15	18	35	50 [1]	1.13	1.13	1.35	2.63	3.76	10.00 (2.90 - 12.50)	3553 (550 - 4300)	2.81	1.39	1.39	1.73	2.98	4.51	12.00 (3.40 - 12.70)	3650 (610 - 4400)	3.29
	15	15	18	42 [1]	42 [1]	1.14	1.14	1.36	3.18	3.18	10.00 (2.90 - 11.60)	3543 (550 - 4300)	2.82	1.42	1.42	1.78	3.69	3.69	12.00 (3.40 - 12.70)	3650 (610 - 4400)	3.29
	15	15	25	25	25	1.43	1.43	2.38	2.38	2.38	10.00 (2.90 - 11.05)	3296 (550 - 3600)	3.03	1.69	1.69	2.87	2.87	2.87	12.00 (3.40 - 12.70)	3180 (610 - 4000)	3.77
	15	15	25	25	35	1.30	1.30	2.17	2.17	3.04	10.00 (2.90 - 11.50)	3388 (550 - 3700)	2.95	1.59	1.59	2.70	2.70	3.42	12.00 (3.40 - 12.70)	3270 (610 - 4000)	3.67
	15	15	25	25	42 [1]	1.23	1.23	2.05	2.05	3.44	10.00 (2.90 - 11.80)	3452 (550 - 3800)	2.90	1.50	1.50	2.55	2.55	3.90	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	15	15	25	25	50 [1]	1.15	1.15	1.92	1.92	3.85	10.00 (2.90 - 12.10)	3525 (550 - 4000)	2.84	1.39	1.39	2.36	2.36	4.51	12.00 (3.40 - 12.70)	3600 (610 - 4000)	3.33
	15	15	25	25	60 [1]	1.07	1.07	1.79	1.79	4.29	10.00 (2.90 - 12.50)	3617 (550 - 4000)	2.76	1.31	1.31	2.23	2.23	4.92	12.00 (3.40 - 12.70)	3600 (610 - 4000)	3.33
	15	15	25	35	42 [1]	1.14	1.14	1.89	2.65	3.18	10.00 (2.90 - 12.50)	3543 (550 - 4000)	2.82	1.42	1.42	2.41	3.05	3.69	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	15	15	25	42 [1]	42 [1]	1.08	1.08	1.80	3.02	3.02	10.00 (2.90 - 12.50)	3608 (550 - 4000)	2.77	1.35	1.35	2.29	3.51	3.51	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16
	15	15	35	35	35	1.11	1.11	2.59	2.59	2.59	10.00 (2.90 - 12.50)	3571 (550 - 4000)	2.80	1.42	1.42	3.05	3.05	3.05	12.00 (3.40 - 12.70)	3500 (610 - 4000)	3.43
	15	18	18	18	18	1.50	1.80	1.80	1.80	1.80	8.70 (2.90 - 9.60)	2652 (550 - 3460)	3.28	2.00	2.50	2.50	2.50	2.50	12.00 (3.40 - 12.70)	2780 (610 - 4000)	4.32
	15	18	18	18	25	1.50	1.80	1.80	1.80	2.50	9.40 (2.90 - 10.10)	2974 (550 - 3460)	3.16	1.86	2.33	2.33	2.33	3.16	12.00 (3.40 - 12.70)	2980 (610 - 4000)	4.03
	15	18	18	18	35	1.44	1.73	1.73	1.73	3.37	10.00 (2.90 - 10.60)	3287 (550 - 3460)	3.04	1.74	2.17	2.17	2.17	3.74	12.00 (3.40 - 12.70)	3170 (610 - 4000)	3.79
	15	18	18	18	42 [1]	1.35	1.62	1.62	1.62	3.78	10.00 (2.90 - 10.90)	3351 (550 - 3700)	2.98	1.63	2.04	2.04	2.04	4.24	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	15	18	18	18	50 [1]	1.26	1.51	1.51	1.51	4.20	10.00 (2.90 - 11.40)	3424 (550 - 3700)	2.92	1.50	1.88	1.88	1.88	4.88	12.00 (3.40 - 12.70)	3550 (610 - 4000)	3.38
	15	18	18	18	60 [1]	1.16	1.40	1.40	1.40	4.65	10.00 (2.90 - 12.00)	3516 (550 - 3700)	2.84	1.41	1.76	1.76	1.76	5.29	12.00 (3.40 - 12.70)	3600 (610 - 4000)	3.33
	15	18	18	18	70 [1]	1.08	1.29	1.29	1.29	5.04	10.00 (2.90 - 12.00)	3608 (550 - 3700)	2.77	1.36	1.69	1.69	1.69	5.56	12.00 (3.40 - 12.70)	3600 (610 - 4000)	3.33
	15	18	18	25	25	1.49	1.78	1.78	2.48	2.48	10.00 (2.90 - 10.60)	3259 (550 - 3460)	3.07	1.74	2.17	2.17	2.96	2.96	12.00 (3.40 - 12.70)	3150 (610 - 4000)	3.81
	15	18	18	25	35	1.35	1.62	1.62	2.25	3.15	10.00 (2.90 - 11.08)	3351 (550 - 3700)	2.98	1.63	2.04	2.04	2.78	3.51	12.00 (3.40 - 12.70)	3250 (610 - 4000)	3.69
	15	18	18	25	42 [1]	1.27	1.53	1.53	2.12	3.56	10.00 (2.90 - 11.40)	3415 (550 - 3800)	2.93	1.54	1.92	1.92	2.62	4.00	12.00 (3.40 - 12.70)	3340 (610 - 4000)	3.59
	15	18	18	25	50 [1]	1.19	1.43	1.43	1.98	3.97	10.00 (2.90 - 11.70)	3488 (550 - 3800)	2.87	1.42	1.78	1.78	2.41	4.62	12.00 (3.40 - 12.70)	3650 (610 - 4400)	3.29
	15	18	18	35	35	1.24	1.49	1.49	2.89	2.89	10.00 (2.90 - 12.50)	3443 (550 - 4000)	2.90	1.54	1.92	1.92	3.31	3.31	12.00 (3.40 - 12.70)	3270 (610 - 4000)	3.67
	15	18	18	35	42 [1]	1.17	1.41	1.41	2.73	3.28	10.00 (2.90 - 12.50)	3507 (550 - 4000)	2.85	1.45	1.82	1.82	3.13	3.78	12.00 (3.40 - 12.70)	3380 (610 - 4000)	3.55
	15	18	18	35	50 [1]	1.10	1.32	1.32	2.57	3.68	10.00 (2.90 - 12.50)	3580 (550 - 4300)	2.79	1.35	1.69	1.69	2.90	4.38	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16
	15	18	18	42 [1]	42 [1]	1.11	1.33	1.33	3.11	3.11	10.00 (2.90 - 12.50)	3571 (550 - 4300)	2.80	1.38	1.72	1.72	3.59	3.59	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16
	15	18	25	25	25	1.39	1.67	2.31	2.31	2.31	10.00 (2.90 - 11.11)	3323 (550 - 3460)	3.01	1.63	2.04	2.78	2.78	2.78	12.00 (3.40 - 12.70)	3160 (610 - 4000)	3.80
	15	18	25	25	35	1.27	1.53	2.12	2.12	2.97	10.00 (2.90 - 12.50)	3415 (550 - 3700)	2.93	1.54	1.92	2.62	2.62	3.31	12.00 (3.40 - 12.70)	3400 (610 - 4000)	3.53
	15	18	25	25	42 [1]	1.20	1.44	2.00	2.00	3.36	10.00 (2.90 - 12.50)	3479 (550 - 3800)	2.87	1.45	1.82	2.47	2.47	3.78	12.00 (3.40 - 12.70)	3580 (610 - 4000)	3.35
	15	18	25	25	50 [1]	1.13	1.35	1.88	1.88	3.76	10.00 (2.90 - 12.50)	3553 (550 - 4000)	2.81	1.35	1.69	2.29	2.29	4.38	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16
	15	18	25	35	35	1.17	1.41	1.95	2.73	2.73	10.00 (2.90 - 12.50)	3507 (550 - 4000)	2.85	1.45	1.82	2.47	3.13	3.13	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	18	25	35	42 [1]	1.11	1.33	1.85	2.59	3.11	10.00 (2.90 - 12.50)	3571 (550 - 4000)	2.80	1.38	1.72	2.34	2.97	3.59	12.00 (3.40 - 12.70)	3650 (610 - 4000)	3.29
	15	18	25	35	50 [1]	1.05	1.26	1.75	2.45	3.50	10.00 (2.90 - 12.50)	3644 (550 - 4300)	2.74	1.28	1.60	2.18	2.76	4.17	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	15	18	35	35	35	1.09	1.30	2.54	2.54	2.54	10.00 (2.90 - 12.50)	3598 (550 - 4300)	2.78	1.38	1.72	2.97	2.97	2.97	12.00 (3.40 - 12.70)	3500 (610 - 4000)	3.43
	15	25	25	25	25	1.30	2.17	2.17	2.17	2.17	10.00 (2.90 - 12.50)	3388 (550 - 3460)	2.95	1.54	2.62	2.62	2.62	2.62	12.00 (3.40 - 12.70)	3320 (610 - 4000)	3.61
	15	25	25	25	35	1.20	2.00	2.00	2.00	2.80	10.00 (2.90 - 12.50)	3479 (550 - 3700)	2.87	1.45	2.47	2.47	2.47	3.13	12.00 (3.40 - 12.70)	3540 (610 - 4000)	3.39
	15	25	25	25	42 [1]	1.14	1.89	1.89	1.89	3.18	10.00 (2.90 - 12.50)	3543 (550 - 3800)	2.82	1.38	2.34	2.34	2.34	3.59	12.00 (3.40 - 12.70)	3660 (610 - 4000)	3.28
	15	25	25	25	50 [1]	1.07	1.79	1.79	1.79	3.57	10.00 (2.90 - 12.50)	3617 (550 - 4000)	2.76	1.28	2.18	2.18	2.18	4.17	12.00 (3.40 - 12.70)	3850 (610 - 4000)	3.12
	15	25	25	35	35	1.11	1.85	1.85	2.59	2.59	10.00 (2.90 - 12.50)	3571 (550 - 4000)	2.80	1.38	2.34	2.34	2.97	2.97	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	15	25	25	35	42 [1]	1.06	1.76	1.76	2.46	2.96	10.00 (2.90 - 12.50)	3635 (550 - 4000)	2.75	1.31	2.23	2.23	2.82	3.41	12.00 (3.40 - 12.70)	3700 (610 - 4000)	3.24
	15	25	35	35	35	1.03	1.72	2.41	2.41	2.41	10.00 (2.90 - 12.50)	3663 (550 - 4300)	2.73	1.31	2.23	2.82	2.82	2.82	12.00 (3.40 - 12.70)	3540 (610 - 4000)	3.39
	18	18	18	18	18	1.80	1.80	1.80	1.80	1.80	9.00 (2.90 - 10.00)	2790 (600 - 3040)	3.23	2.40	2.40	2.40	2.40	2.40	12.00 (3.40 - 12.70)	2860 (610 - 4000)	4.20
	18	18	18	18	25	1.80	1.80	1.80	1.80	2.50	9.70 (2.90 - 10.80)	3112 (600 - 3240)	3.12	2.24	2.24	2.24	2.24	3.04	12.00 (3.40 - 12.70)	3130 (610 - 4000)	3.83
	18	18	18	18	35	1.68	1.68	1.68	1.68	3.27	10.00 (2.90 - 11.12)	3314 (600 - 3500)	3.02	2.10	2.10	2.10	2.10	3.61	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58
	18	18	18	18	42 [1]	1.58	1.58	1.58	1.58	3.68	10.00 (2.90 - 11.50)	3378 (600 - 3700)	2.96	1.97	1.97	1.97	1.97	4.11	12.00 (3.40 - 12.70)	3560 (610 - 4000)	3.37
	18	18	18	18	50 [1]	1.48	1.48	1.48	1.48	4.10	10.00 (2.90 - 11.90)	3452 (600 - 3700)	2.90	1.82	1.82	1.82	1.82	4.73	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16
	18	18	18	18	60 [1]	1.36	1.36	1.36	1.36	4.55	10.00 (2.90 - 12.40)	3543 (600 - 3700)	2.82	1.71	1.71	1.71	1.71	5.14	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16
	18	18	18	18	70 [1]	1.27	1.27	1.27	1.27	4.93	10.00 (2.90 - 12.40)	3635 (600 - 3700)	2.75	1.65	1.65	1.65	1.65	5.41	12.00 (3.40 - 12.70)	3800 (610 - 4400)	3.16

The total nominal cooling capacity must not exceed 16.6 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.

	Combinations					COOLING MODE								HEATING MODE							
						Power of the unit (kW)					Total power (kW)	Total power input (W)	EER	Power of the unit (kW)					Total power (kW)	Total power input (W)	COP
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Nom. (min. - max.)	Nom. (min. - max.)	
5 indoor units (air/air)	18	18	18	25	25	1.73	1.73	1.73	2.40	2.40	10.00 (2.90 - 11.15)	3287 (600 - 3040)	3.04	2.10	2.10	2.10	2.85	2.85	12.00 (3.40 - 12.70)	3160 (610 - 4000)	3.80
	18	18	18	25	35	1.58	1.58	1.58	2.19	3.07	10.00 (2.90 - 11.60)	3378 (600 - 3700)	2.96	1.97	1.97	1.97	2.68	3.39	12.00 (3.40 - 12.70)	3360 (610 - 4000)	3.57
	18	18	18	25	42 [1]	1.49	1.49	1.49	2.07	3.47	10.00 (2.90 - 11.90)	3443 (600 - 3700)	2.90	1.86	1.86	1.86	2.53	3.88	12.00 (3.40 - 12.70)	3540 (610 - 4000)	3.39
	18	18	18	25	50 [1]	1.40	1.40	1.40	1.94	3.88	10.00 (2.90 - 12.30)	3516 (600 - 3700)	2.84	1.72	1.72	1.72	2.34	4.48	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	25	60 [1]	1.29	1.29	1.29	1.80	4.32	10.00 (2.90 - 12.50)	3608 (600 - 3700)	2.77	1.63	1.63	1.63	2.22	4.89	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	35	35	1.45	1.45	1.45	2.82	2.82	10.00 (2.90 - 12.50)	3470 (600 - 3700)	2.88	1.86	1.86	1.86	3.20	3.20	12.00 (3.40 - 12.70)	3580 (610 - 4000)	3.35
	18	18	18	35	42 [1]	1.37	1.37	1.37	2.67	3.21	10.00 (2.90 - 12.50)	3534 (600 - 4000)	2.83	1.76	1.76	1.76	3.04	3.67	12.00 (3.40 - 12.70)	3700 (610 - 4000)	3.24
	18	18	18	35	50 [1]	1.29	1.29	1.29	2.52	3.60	10.00 (2.90 - 12.50)	3608 (600 - 4300)	2.77	1.64	1.64	1.64	2.82	4.26	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	35	60 [1]	1.21	1.21	1.21	2.35	4.03	10.00 (2.90 - 12.50)	3699 (600 - 4300)	2.70	1.55	1.55	1.55	2.67	4.66	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	42 [1]	42 [1]	1.30	1.30	1.30	3.04	3.04	10.00 (2.90 - 12.50)	3598 (600 - 4000)	2.78	1.68	1.68	1.68	3.49	3.49	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	42 [1]	50 [1]	1.23	1.23	1.23	2.88	3.42	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	1.56	1.56	1.56	3.25	4.06	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	42 [1]	60 [1]	1.15	1.15	1.15	2.69	3.85	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	1.49	1.49	1.49	3.09	4.46	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	18	50 [1]	50 [1]	1.17	1.17	1.17	3.25	3.25	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	1.46	1.46	1.46	3.80	3.80	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	25	25	25	1.62	1.62	2.25	2.25	2.25	10.00 (2.90 - 11.17)	3351 (600 - 3600)	2.98	1.97	1.97	2.68	2.68	2.68	12.00 (3.40 - 12.70)	3200 (610 - 4000)	3.75
	18	18	25	25	35	1.49	1.49	2.07	2.07	2.89	10.00 (2.90 - 12.50)	3443 (600 - 3800)	2.90	1.86	1.86	2.53	2.53	3.20	12.00 (3.40 - 12.70)	3420 (610 - 4000)	3.51
	18	18	25	25	42 [1]	1.41	1.41	1.95	1.95	3.28	10.00 (2.90 - 12.50)	3507 (600 - 4000)	2.85	1.76	1.76	2.40	2.40	3.67	12.00 (3.40 - 12.70)	3630 (610 - 4000)	3.31
	18	18	25	25	50 [1]	1.32	1.32	1.84	1.84	3.68	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	1.64	1.64	2.23	2.23	4.26	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12
	18	18	25	35	35	1.37	1.37	1.91	2.67	2.67	10.00 (2.90 - 12.50)	3534 (600 - 4000)	2.83	1.76	1.76	2.40	3.04	3.04	12.00 (3.40 - 12.70)	3680 (610 - 4000)	3.26
	18	18	25	35	42 [1]	1.30	1.30	1.81	2.54	3.04	10.00 (2.90 - 12.50)	3598 (600 - 4000)	2.78	1.68	1.68	2.28	2.88	3.49	12.00 (3.40 - 12.70)	3850 (610 - 4000)	3.12
	18	25	25	25	25	1.53	2.12	2.12	2.12	2.12	10.00 (2.90 - 12.50)	3415 (600 - 3600)	2.93	1.86	2.53	2.53	2.53	2.53	12.00 (3.40 - 12.70)	3300 (610 - 4000)	3.64
	18	25	25	25	35	1.41	1.95	1.95	1.95	2.73	10.00 (2.90 - 12.50)	3507 (600 - 3600)	2.85	1.76	2.40	2.40	2.40	3.04	12.00 (3.40 - 12.70)	3500 (610 - 4000)	3.43
	18	25	25	25	42 [1]	1.33	1.85	1.85	1.85	3.11	10.00 (2.90 - 12.50)	3571 (600 - 3800)	2.80	1.68	2.28	2.28	2.28	3.49	12.00 (3.40 - 12.70)	3850 (610 - 4000)	3.12
	18	25	25	35	35	1.30	1.81	1.81	2.54	2.54	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	1.68	2.28	2.28	2.88	2.88	12.00 (3.40 - 12.70)	3600 (610 - 4000)	3.33
	18	25	25	35	42 [1]	1.24	1.72	1.72	2.41	2.90	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	1.60	2.17	2.17	2.74	3.32	12.00 (3.40 - 12.70)	3850 (610 - 4000)	3.12
	25	25	25	25	25	2.00	2.00	2.00	2.00	2.00	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	2.40	2.40	2.40	2.40	2.40	12.00 (3.40 - 12.70)	3450 (610 - 4000)	3.48
	25	25	25	25	35	1.85	1.85	1.85	1.85	2.59	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	2.28	2.28	2.28	2.28	2.88	12.00 (3.40 - 12.70)	3760 (610 - 4000)	3.19
	25	25	25	25	42 [1]	1.76	1.76	1.76	1.76	2.96	10.00 (2.90 - 12.50)	3800 (600 - 4300)	2.63	2.17	2.17	2.17	2.17	3.32	12.00 (3.40 - 12.70)	3850 (610 - 4400)	3.12

The total nominal cooling capacity must not exceed 16.6 kW.
[1] For each outlet corresponding to units 42, 50, 60, and 70, a refrigeration adapter is required to convert from 3/8 to 1/2 or 5/8.



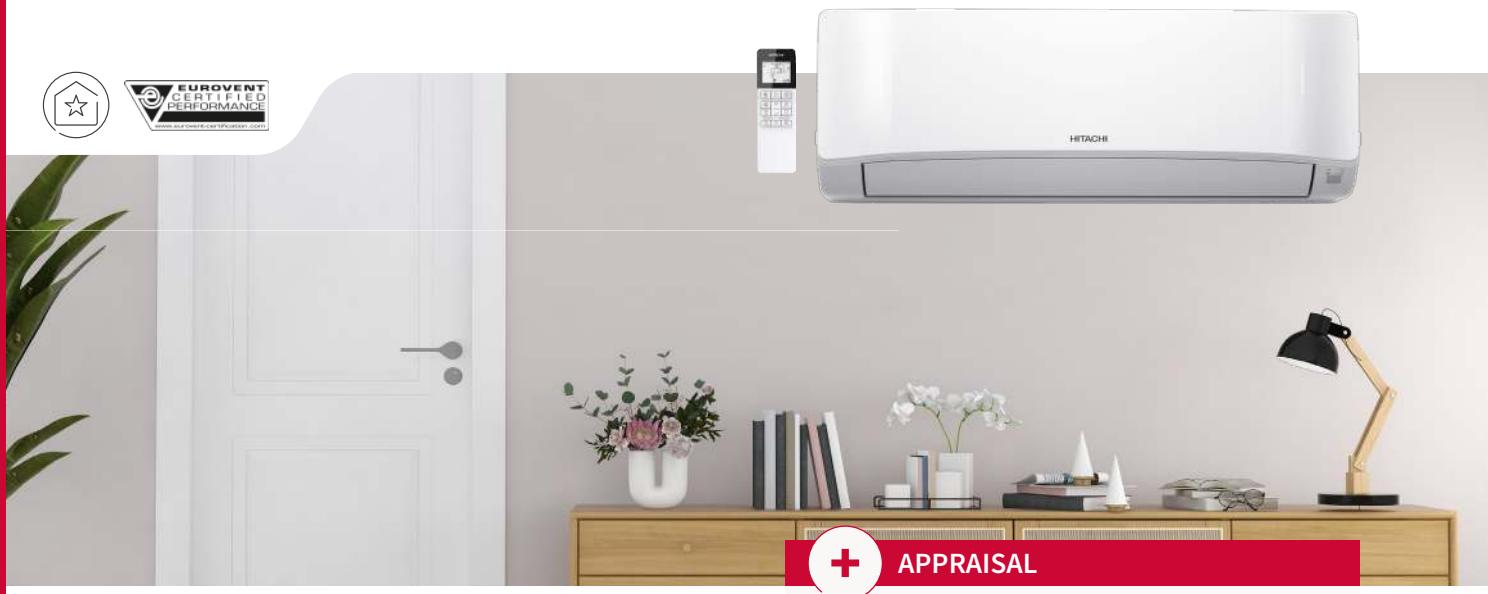
Quick selection table

	airHome 200 NEW	airHome 400	airHome 600	airHome 800 NEW
				
	IU: RAK-CJ-PHAE OU: RAC-CJ-WHAE	IU: RAK-DJ-RHAE OU: RAC-DJ-WHAE	IU: RAK-VJ-RHAE OU: RAC-VJ-WHAE	IU: RAK-XJ-RHBE(G) OU: RAC-XJ-WHBE
Compatibility	**Single-split**	**Single-split & Multi-splits**		
Color scheme	White	White	White	White & Gray
Compactness: 78 cm wide	●	●	●	-
Performance				
Energy class (D to A+++; Cooling/Heating)	**A++/A+**	**A++/A++**	**A+++/A++**	**A+++/A+++**
Operating range (Cooling - Heating)	(-10°C/+46°C) - (-15°C/+24°C)	(-10°C/+46°C) - (-15°C/+21°C)		(-10°C/+46°C) - (-20°C / +21°C)
Maintain heating capacity up to -15°C outside.	-	-	-	●
Comfort				
Motion sensor	-	-	●	●
Vertical scanning	●	●	●	●
Horizontal scanning	Manually	Manually	●	●
Blowing speeds	5			
Sleep function	●	●	●	●
Eco mode	●	●	●	●
Acoustic comfort	● From 20 dB(A)	● From 20 dB(A)	● From 19 dB(A)	● From 21 dB(A)
Connectivity				
Wi-Fi	Optional	Integrated		
Air handling				
Antivirus filter	-	●	●	●
Pre-filter	●	-	-	-
AQtiv-Ion ionizer	-	-	●	●
FrostWash Indoor Unit (cleaning the heat exchanger)	-	●	●	● FrostWash 3.0
FrostWash Outdoor Unit (cleaning the heat exchanger)	-	-	-	●
Mold Guard (drying the heat exchanger)	●	●	●	● Mold Guard 2.0
DuraSpin (outdoor unit fan reversed)	-	-	-	●
Capacities				
2.0 kW	●	●	●	-
2.5 kW	●	●	●	●
3.5 kW	●	●	●	●
4.2 kW	-	-	●	-
5.0 kW	●	●	●	●
6.0 kW	-	●	●	-
7.1 kW	-	●	●	-

airHome 200

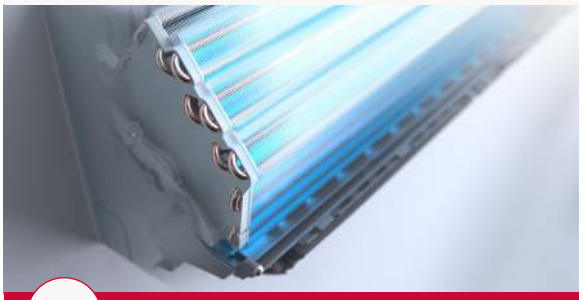
2.0 to 5.0 kW (R32), Single-split

NEW



APPRAISAL

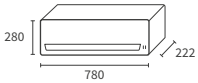
- **Mold Guard function:** Drying the heat exchanger to protect it from mold during periods of high humidity (in Cooling mode).



EASY TO INSTALL

- Compact width of 78 cm, regardless of the size of the indoor unit.
- Refrigerant connections Ø 1/4" (liquid) and Ø 3/8" (gas) on all sizes..

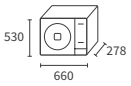
Indoor units



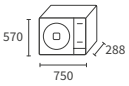
RAK-CJ20PHAE
RAK-CJ25PHAE
RAK-CJ35PHAE
RAK-CJ50PHAE

Outdoor units





RAC-CJ20WHAE
RAC-CJ25WHAE
RAC-CJ35WHAE



RAC-CJ50WHAE

Compatible controls and accessories

Infrared controls and connectivity



Standard infrared remote control
Model: **RC-AGL1IA0E**
Included
(Remote control holder not included)



airCloud Go gateway
Model: **SPX-WFG03**

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



H-Link box
Model: **PSC-6RAD**

5 m shielded standard cable
Model: **SPX-WKT5MS**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

airHome 200

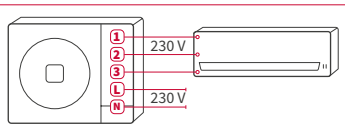
Models	Unit	2.0 kW	2.5 kW	3.5 kW	5.0 kW
Performance, cooling					
Nominal power (min. - max.)	kW	2.00 (0.90 - 2.50)	2.40 (0.90 - 3.10)	3.20 (0.90 - 4.00)	4.60 (1.90 - 5.20)
Nominal power consumption (min. - max.)	kW	0.58 (0.25 - 1.00)	0.74 (0.25 - 1.20)	0.99 (0.25 - 1.48)	1.77 (0.50 - 2.00)
EER	-	3.45	3.23	3.23	2.60
Energy class (D to A+++)	-	A++			
SEER (average climate)	-	**6.80**		**6.60**	**6.10**
Operating range	°C	-10°C/+46°C			
Performance, heating					
Nominal Heating capacity (min. - max.)	kW	2.50 (0.90 - 3.20)	2.80 (0.90 - 3.80)	3.90 (0.90 - 5.00)	5.60 (2.20 - 6.50)
Nominal power consumption (min. - max.)	kW	0.64 (0.25 - 0.85)	0.76 (0.25 - 1.30)	1.05 (0.25 -1.44)	1.65 (0.50 - 2.30)
Full load capacity at -7°C without defrosting [1]	kW	2.20	2.90	3.50	4.80
Full load capacity at -7°C with defrosting [1]	kW	1.75	2.40	2.70	3.80
COP	-	3.90	3.71	3.71	3.40
Energy class (D to A+++)	-	A+			
SCOP (average climate)	-	**4.00**		**4.20**	**4.00**
Operating range	°C	-15°C/+24°C			
Indoor units	**Unit**	**RAK-CJ20PHAE**	**RAK-CJ25PHAE**	**RAK-CJ35PHAE**	**RAK-CJ50PHAE**
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [2]	dB(A)	21/24/29/33/37	21/25/30/36/40	21/27/35/39/43	28/33/38/42/46
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [2]	dB(A)	20/24/30/34/38	20/25/31/36/41	20/30/37/40/44	25/31/37/42/47
Sound power	dB(A)	51	54	57	60
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	200/260/400/450/515	200/260/405/480/570	210/270/420/500/585	250/300/500/560/610
Airflow in Cooling mode (very low/low/medium/high speed)		220/290/480/550/600	220/335/495/620/690	230/405/550/650/715	255/410/550/680/750
Dehumidification	l/h	1.2	1.4	1.6	2.0
Dimensions (HxLxD)	mm	280 x 780 x 222			
Net weight	kg	7.0		7.7	
Remote control	-	RC-AGL1IA0E (included)			
Outdoor units	**Unit**	**RAC-CJ20WHAE**	**RAC-CJ25WHAE**	**RAC-CJ35WHAE**	**RAC-CJ50WHAE**
Sound pressure Cooling [2]	dB(A)	45	47	48	50
Sound pressure Heating [2]	dB(A)	46	48	49	51
Sound power	dB(A)	59	61	62	64
Airflow (Cooling/Heating)	m^3/h	1860 / 1620			2100 / 2100
Dimensions (HxLxD)	mm	530 x 660 (720)[3] x 278			570 x 750 (810)[3] x 288
Net weight	kg	21.2		22.6	31.5
Compressor	-	Rotary			2-cylinder rotary
Cooling properties					
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			
Condensate pipe diameter (out)	mm	16			
Initial refrigerant fill	kg	0.50		0.70	0.90
Preloaded for	m	20			
Minimum length	m	3			
Max. length	m	20			
Max. drop (outdoor unit top/bottom)	m	10 / 10			
Refrigerant	-	R32			
Electrical features					
Power supply	V/Ph/Hz	230V/1Ph/50 Hz			
Operating current (Cooling/Heating)	A	5.00 / 4.50	5.70 / 6.10	6.90 / 6.80	8.80 / 10.20
Cable section	mm^2	1.50 x 2 + GROUND			
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND			

[1] To find out the data for your project, refer to our technical catalogs.
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

Indoor unit (Infrared remote control included)	**RAK-CJ20PHAE**	**RAK-CJ25PHAE**	**RAK-CJ35PHAE**	**RAK-CJ50PHAE**
Outdoor unit	**RAC-CJ20WHAE**	**RAC-CJ25WHAE**	**RAC-CJ35WHAE**	**RAC-CJ50WHAE**
Price for the entire Indoor + Outdoor unit				

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



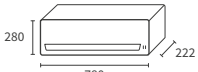
airHome 400

2.0 to 7.1 kW (R32), Single-split and Multi-splits

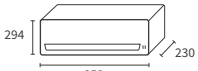
reddot winner 2022



Indoor units



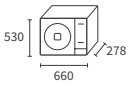
RAK-DJ18RHAE
RAK-DJ25RHAE
RAK-DJ35RHAE
RAK-DJ50RHAE



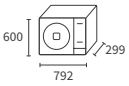
RAK-DJ60RHAE
RAK-DJ70RHAE

Outdoor units

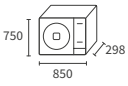




RAC-DJ18WHAE
RAC-DJ25WHAE
RAC-DJ35WHAE



RAC-DJ50WHAE



RAC-DJ60WHAE
RAC-DJ70WHAE

Compatible controls and accessories

Infrared controls



Standard infrared remote control
Model: **RC-AGU1EA0G**
Included
(Remote control holder not included)

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



H-Link box
Model: **PSC-6RAD**

5 m shielded standard cable
Model: **SPX-WKT5MS**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

INDOOR AIR QUALITY

Standard antivirus filter.



APPRAISAL

- **FrostWash technology(2) :** Self-cleaning of the heat exchanger.
- **Mold Guard function:** Drying the heat exchanger to protect it from mold during periods of high humidity (in Cooling mode).



COMFORT AT YOUR FINGERTIPS

- Connected as standard via the airCloud Go app.
- Wi-Fi box included in the unit.
- Unique geotagging feature.



(1) Tests conducted in accordance with JIS L 1922:2024 by Japan Textile Products Quality and Technology Center and BOKEN Quality Evaluation Institute.
(2) Tests conducted by Kitasato Research Environmental Science (test no. 2020-0650)).

airHome 400

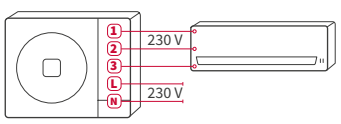
Models	Unit	2.0 kW	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.1 kW
Performance, cooling							
Nominal power (min. - max.)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)	6.00 (1.75 - 6.80)	7.10 (1.75 - 7.50)
Nominal power consumption (min. - max.)	kW	0.58 (0.25 - 1.01)	0.70 (0.25 - 1.29)	1.08 (0.25 - 1.46)	1.55 (0.50 - 2.10)	1.81 (0.50 - 3.05)	2.63 (0.50 - 3.15)
EER	-	3.45	3.57	3.23		3.31	2.70
Energy class (D to A+++)	-	A++					
SEER (average climate)	-	**7.50**			**7.00**	**6.80**	**6.20**
Operating range	°C	-10°C/+46°C					
Performance, heating							
Nominal power (min. - max.)	kW	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)
Nominal power consumption (min. - max.)	kW	0.60 (0.25 - 0.97)	0.85 (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 - 3.15)
Full load capacity at -7°C without defrosting [1]	kW	2.30	3.10	3.90	5.20	4.90	5.20
Full load capacity at -7°C with defrosting [1]	kW	1.75	2.50	3.00	4.00	3.74	3.75
COP	-	4.20	4.00	4.00	3.71	3.50	3.10
Energy class (D to A+++)	-	A++				A+	
SCOP (average climate)	-	**4.60**			**4.50**	**4.10**	**4.00**
Operating range	°C	-15°C/+21°C					
Indoor units	**Unit**	**RAK-DJ18RHAE**	**RAK-DJ25RHAE**	**RAK-DJ35RHAE**	**RAK-DJ50RHAE**	**RAK-DJ60RHAE**	**RAK-DJ70RHAE**
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [2]	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 in Heating mode (very low/low/medium/high/very high speed) [2]	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	dB(A)	51	54	57	60		62
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/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	
Airflow in Cooling mode (very low/low/medium/high speed)		218/287/446/505/611	218/310/460/569/683	218/407/569/653/773	255/413/528/687/749	350/532/690/780/850	
Dehumidification	l/h	1.2	1.4	1.6	2.0	2.8	4.8
Dimensions (HxLxD)	mm	280 x 780 x 222				294 x 950 x 230	
Net weight	kg	7.7			8.4	10.5	
Remote control	-	RC-AGU1EA0G (included)					
Outdoor units	**Unit**	**RAC-DJ18WHAE**	**RAC-DJ25WHAE**	**RAC-DJ35WHAE**	**RAC-DJ50WHAE**	**RAC-DJ60WHAE**	**RAC-DJ70WHAE**
Sound pressure Cooling [2]	dB(A)	45	47	48	50	53	54
Sound pressure Heating [2]	dB(A)	46	48	49	51	54	
Sound power	dB(A)	59	61	62	64	64	67
Airflow (Cooling/Heating)	m^3/h	1860 / 1620			2160 / 2160	2700 / 2700	
Dimensions (HxLxD)	mm	530 x 660 (720)[3] x 278			600 x 792 (877)[3] x 299	750 × 850 (956)[3] × 298	
Net weight	kg	23.0		24.4	39.1	48.0	
Compressor	-	Rotary			2-cylinder rotary	Rotary	
Cooling properties							
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"				1/4" - 1/2"	1/4" - 5/8"
Condensate pipe diameter (out)	mm	16					
Initial refrigerant fill	kg	0.58		0.72	0.93	1.50	
Preloaded for	m	20				30	
Minimum length	m	3					
Max. length	m	20				30	
Max. drop (outdoor unit top/bottom)	m	10 / 10				20 / 20	
Refrigerant	-	R32					
Electrical features							
Power supply	V/Ph/Hz	230V/1Ph/50 Hz					
Operating current (Cooling/Heating)	A	4.39 / 4.22	5.61 / 5.43	6.35 / 7.39	9.13 / 11.96	13.10 / 12.50	14.50 / 14.50
Cable section	mm^2	1.50 x 2 + GROUND			2.50 x 2 + GROUND		
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND					

[1] To find out the data for your project, refer to our technical catalogs..
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

Indoor unit (Infrared remote control included)	**RAK-DJ18RHAE**	**RAK-DJ25RHAE**	**RAK-DJ35RHAE**	**RAK-DJ50RHAE**	**RAK-DJ60RHAE**	**RAK-DJ70RHAE**
Outdoor unit	**RAC-DJ18WHAE**	**RAC-DJ25WHAE**	**RAC-DJ35WHAE**	**RAC-DJ50WHAE**	**RAC-DJ60WHAE**	**RAC-DJ70WHAE**
Price for the entire Indoor + Outdoor unit						

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

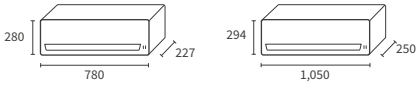


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2.0 to 7.0 kW (R32), Single-split and Multi-splits



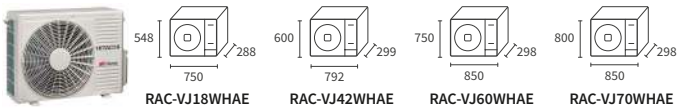
Indoor units



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

RAK-VJ60RHAE
RAK-VJ70RHAE

Outdoor units



RAC-VJ18WHAE
RAC-VJ25WHAE
RAC-VJ35WHAE

RAC-VJ42WHAE
RAC-VJ50WHAE

RAC-VJ60WHAE

RAC-VJ70WHAE

Compatible controls and accessories

Infrared controls



Standard infrared remote control
Model: **RC-AGS1EA0E**
Included

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



H-Link box
Model: **PSC-6RAD**

5 m shielded standard cable
Model: **SPX-WKT5MS**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

+ INDOOR AIR QUALITY

- **AQtiv-Ion ionizer** integrated as standard in the unit
- 3 other air treatment technologies included as standard:
  - Antivirus filter
  - FrostWash
  - Mold Guard

Eliminates up to 99.9%[1] of pollutants



+ FOR ENERGY COST SAVINGS

- **Motion sensor:** Detects the presence of people in the room and adjusts the power and temperature.
- **4-way Swing scanning:** Uniform distribution of air throughout the room.



+ COMFORT AT YOUR FINGERTIPS

- Connected as standard via the airCloud Go app.
- Wi-Fi box included in the unit.
- Unique geotagging feature.



[1] Tests conducted by Kitasato Research Environmental Science (test no. 2020-0650)
Tests conducted 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.
Tests conducted by the Institute of Tokyo Environmental Allergy (tests no. 11M-RPTJUN025; 11M-RPTMAY043 and 11M-RPTJUN031); Using able Ltd. in accordance with the JIS-L-1920 method (test no. REP00864); Nara Medical University; Boken Quality Evaluation in accordance with JIS Z 2801 (test no. 028669) and by atKinki Bunseki Center, Ltd. (test n°2011-061015, 071127).

airHome 600

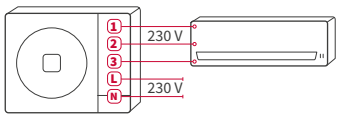
Models	Unit	2.0 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW	6.0 kW	7.0 kW
Performance, cooling								
Nominal power (min. - max.)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	4.20 (1.70 - 5.00)	5.00 (1.90 - 5.20)	6.00 (1.90 - 6.80)	7.00 (1.90 - 7.50)
Nominal power consumption (min. - max.)	kW	0.42 (0.25 - 1.01)	0.55 (0.25 - 1.29)	0.88 (0.25 - 1.46)	1.12 (0.30 - 1.70)	1.47 (0.30 - 2.10)	1.71 (0.50 - 3.05)	2.16 (0.50 - 3.50)
EER	-	4.77	4.55	4.00	3.75	3.40	3.50	3.24
Energy class (D to A+++)	-	A+++			A++			
SEER (average climate)	-	**8.50**			**7.50**	**7.35**	**7.00**	
Operating range	°C	-10°C/+46°C					-15°C/+46°C	
Performance, heating								
Nominal power (min. - max.)	kW	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)
Nominal power consumption (min. - max.)	kW	0.52 (0.25 - 0.97)	0.73 (0.25 - 1.50)	1.00 (0.25 - 1.70)	1.32 (0.50 - 2.10)	1.56 (0.50 - 2.75)	1.84 (0.50 - 3.05)	2.15 (0.50 - 3.50)
Full load capacity at -7°C without defrosting [1]	kW	2.60	3.50	3.95	4.50	5.30	5.00	6.20
Full load capacity at -7°C with defrosting [1]	kW	2.30	3.00	3.40	3.80	4.20	3.74	4.00
COP	-	4.82	4.64	4.20	4.10	3.85	3.80	3.72
Energy class (D to A+++)	-				A++			
SCOP (average climate)	-	**4.90**			**4.60**			
Operating range	°C	-15°C/+21°C					-15°C/+24°C	
Indoor units	**Unit**	**RAK-VJ18RHAE**	**RAK-VJ25RHAE**	**RAK-VJ35RHAE**	**RAK-VJ42RHAE**	**RAK-VJ50RHAE**	**RAK-VJ60RHAE**	**RAK-VJ70RHAE**
Sound pressure in Cooling mode (very low/low/ medium/high/very high speed) [2]	dB(A)	21/24/33/35/37	22/24/33/38/40	25/26/36/41/43	25/28/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound pressure in Heating mode (very low/low/ medium/high/very high speed) [2]	dB(A)	19/22/33/36/38	20/23/34/39/41	26/27/36/42/44	27/31/39/44/46		32/36/42/45/47	32/36/42/45/48
Sound power	dB(A)	51	54	57	60			63
Airflow in Cooling mode (very low/low/medium/ high speed)	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
Airflow in Cooling mode (very low/low/medium/ high speed)	m^3/h	220/250/410/480/600	220/260/430/520/650	240/330/530/600/780	300/450/550/670/800	300/450/550/670/820	475/625/770/900/1060	475/650/800/955/1085
Dehumidification	l/h	1.2	1.4	1.6	1.8	2.0	2.8	4.8
Dimensions (HxLxD)	mm	280 x 780 x 227					294 x 1050 x 250	
Net weight	kg	8.6			8.8		12.5	
Remote control	-	RC-AGS1EA0E (included)						
Outdoor units	**Unit**	**RAC-VJ18WHAE**	**RAC-VJ25WHAE**	**RAC-VJ35WHAE**	**RAC-VJ42WHAE**	**RAC-VJ50WHAE**	**RAC-VJ60WHAE**	**RAC-VJ70WHAE**
Sound pressure in Cooling mode [2]	dB(A)	44	46	48	49		53	54
Sound pressure Heating[2]	dB(A)	45	47	49	50		54	
Sound power	dB(A)	58	60	61	63		65	67
Airflow (Cooling/Heating)	m^3/h	1860 / 1620		1920 / 1620	2160 / 2160		2700 / 2700	
Dimensions (HxLxD)	mm	548 × 750 (841)[3] × 288			600 x 792 (877)[3] x 299		750 × 850 (956)[3] × 298	800 × 850 (956)[3] × 298
Net weight	kg	31.6			39.5		48.0	52.0
Compressor	-	Rotary			2-cylinder rotary		Rotary	
Cooling properties								
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			1/4" - 1/2"			1/4" - 5/8"
Condensate pipe diameter (out)	mm	16						
Initial refrigerant fill	kg	0.87			1.05		1.50	
Preloaded for	m	20					30	
Minimum length	m	3						
Max. length	m	20					30	
Max. drop (outdoor unit top/bottom)	m	10 / 10					20 / 20	
Refrigerant	-	R32						
Electrical features								
Power supply	V/Ph/Hz	230V/1Ph/50 Hz						
Operating current (Cooling/Heating)	A	4.39 / 4.22	5.61 / 6.52	6.35 / 7.39	7.39 / 8.70	8.70 / 11.96	10.50 / 14.30	14.20 / 14.50
Cable section	mm^2	1.50 x 2 + GROUND			2.50 x 2 + GROUND			
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND						

[1] To find out the data for your project, refer to our technical catalogs.
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

Indoor unit (Infrared remote control included)	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE
Outdoor unit	RAC-VJ18WHAE	RAC-VJ25WHAE	RAC-VJ35WHAE	RAC-VJ42WHAE	RAC-VJ50WHAE	RAC-VJ60WHAE	RAC-VJ70WHAE
Price for whole set Indoor unit + Outdoor unit							

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



airHome 800

HeatForce

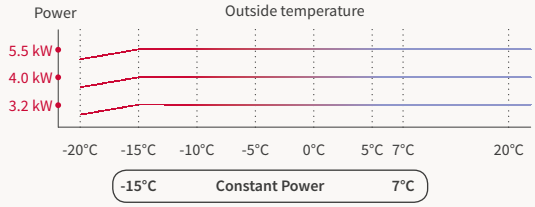
2.5 to 5.0 kW (R32), Single-split and Multi-splits

NEW

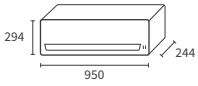


+ OF COMFORT UP TO -20°C

- **Constant Power technology:** Maintaining heating power up to **-15°C** outdoors and heating provided up to -20°C.



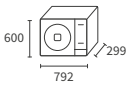
Indoor units



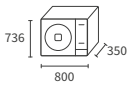
RAK-XJ25RHBE(G)
RAK-XJ35RHBE(G)
RAK-XJ50RHBE(G)

Outdoor units





RAC-XJ25WHBE
RAC-XJ35WHBE



RAC-XJ50WHBE

+ APPRAISAL

Indoor unit

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



- **Mold Guard 2.0 function:** With the help of a humidity and temperature sensor, the unit detects the risk of mold in the heat exchanger and automatically triggers drying to reduce internal humidity (<30%) and protect it from mold.

Outdoor unit



- **FrostWash outdoor unit technology:** Self-cleaning of the heat exchanger on the outdoor unit.
- **DuraSpin:** In Cooling mode, the fan rotates in reverse to remove accumulated dust.

+ COMFORT AT YOUR FINGERTIPS

- Connected as standard via the airCloud Go app.
- Wi-Fi box included in the unit.
- Unique geotagging feature.



Compatible controls and accessories

Infrared controls



Standard infrared remote control
Model: **RC-BGH1FA0G**
Included

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



H-Link box
Model: **PSC-6RAD**

5 m shielded standard cable
Model: **SPX-WKT5MS**

5 m extension cable for wired remote controls
(max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

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

airHome 800

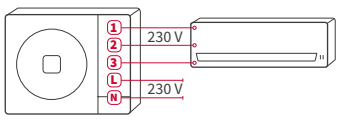
Models	Unit	2.5 kW	3.5 kW	5.0 kW
Performance, cooling				
Nominal power (min. - max.)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Nominal power consumption (min. - max.)	kW	0.48 (0.25 - 1.00)	0.81 (0.25 - 1.40)	1.43 (0.50 - 2.10)
EER	-	5.20	4.30	3.50
Energy class (D to A+++)	-	A+++		A++
SEER (average climate)	-	**9.50**	**9.00**	**7.60**
Operating range	°C	-10°C/+46°C		
Performance, heating				
Nominal power (min. - max.)	kW	3.20 (0.90 - 4.40)	4.00 (0.90 - 5.00)	6.00 (2.20 - 7.30)
Nominal power consumption (min. - max.)	kW	0.59 (0.25 -1.20)	0.80 (0.25 -1.60)	1.46 (0.50 - 2.70)
Full load capacity at -7°C without defrosting [1]	kW	3.60	4.60	5.80
Full load capacity at -7°C with defrosting [1]	kW	3.20	4.00	5.00
COP	-	5.40	5.00	4.10
Energy class (D to A+++)	-	A+++		A++
SCOP (average climate)	-	**5.20**		**4.70**
Operating range	°C	-20°C /+ 21°C		
Indoor units White	Unit	RAK-XJ25RHBE	RAK-XJ35RHBE	RAK-XJ50RHBE
Indoor units Gray		RAK-XJ25RHBEG	RAK-XJ35RHBEG	RAK-XJ50RHBEG
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [2]	dB(A)	21/27/33/40/43	21/29/34/41/44	25/31/38/43/46
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [2]	dB(A)	21/28/34/40/44	21/29/35/41/45	25/31/39/44/48
Sound power	dB(A)	57	58	60
Airflow in Cooling mode (very low/low/medium/high speed)	m³/h	230/300/420/590/680	230/325/485/650/720	260/350/510/680/740
Airflow in Cooling mode (very low/low/medium/high speed)	m³/h	290/390/530/700/780	290/430/605/750/860	355/470/665/820/940
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (HxLxD)	mm	294 x 950 x 244		
Net weight	kg	11.5		
Remote control	-	RC-BGH1FA0G (included)		
Outdoor units	**Unit**	**RAC-XJ25WHBE**	**RAC-XJ35WHBE**	**RAC-XJ50WHBE**
Sound pressure Cooling [2]	dB(A)	47	48	51
Sound pressure Heating [2]	dB(A)	48	50	51
Sound power	dB(A)	61	62	65
Airflow (Cooling/Heating)	m³/h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (HxLxD)	mm	600 x 792 (877) [3] x 299		736 × 800 (890.5) [3] × 350
Net weight	kg	35.8		51.0
Compressor	-	Rotary		2-cylinder rotary
Cooling properties				
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"
Condensate pipe diameter (out)	mm	16		
Initial refrigerant fill	kg	1.03		1.30
Preloaded for	m	20		30
Minimum length	m	3		
Max. length	m	20		30
Max. drop (outdoor unit top/bottom)	m	10 / 10		
Refrigerant	-	R32		
Electrical features				
Power supply	V/Ph/Hz	230V/1Ph/50 Hz		
Operating current (Cooling/Heating)	A	4.35 / 5.22	6.09 / 6.96	9.13 / 11.74
Cable section	mm²	1.50 x 2 + GROUND		2.50 x 2 + GROUND
Indoor/outdoor connection (protected)	mm²	1.50 x 3 + GROUND		

[1] To find out the data for your project, refer to our technical catalogs.
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

Indoor unit (Infrared remote control included)	RAK-XJ25RHBE(G)	RAK-XJ35RHBE(G)	RAK-XJ50RHBE(G)
Outdoor unit	RAC-XJ25WHBE	RAC-XJ35WHBE	RAC-XJ50WHBE
Price for the entire Indoor + Outdoor unit			

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




HITACHI

Quick selection table

air Home Floor

NEW



	IU: RAF-XJ25RHAE OU: RAC-XJ25FHAE	IU: RAF-XJ35RHAE OU: RAC-XJ35FHAE	IU: RAF-XJ50RHAE OU: RAC-XJ50FHAE
Compatibility	**Single-split & Multi-splits**		
Color scheme	White		
Compactness: 78 cm wide	●	●	●
Performance			
Energy class (D to A+++; Cooling/Heating)	**A+++/A++**	**A++/A++**	**A++/A+**
Operating range (Cooling - Heating)	(-10°C/+46°C) - (-20°C/+24°C)		
Comfort			
Blowing speeds	5		
Sleep function	●	●	●
Eco mode	●	●	●
Acoustic comfort	From 20 dB(A)	From 20 dB(A)	From 24 dB(A)
Connectivity			
Wi-Fi	Integrated		
Air handling			
Antivirus filter	●	●	●
Pre-filter	●	●	●
AQtiv-Ion ionizer	●	●	●
FrostWash Indoor Unit (cleaning of heat exchanger)	●	●	●
Mold Guard (drying of the heat exchanger)	●	●	●
Capacities			
2.5 kW	●	-	-
3.5 kW	-	●	-
5.0 kW	-	-	●

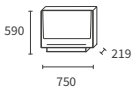
air Home Floor

NEW

2.5 to 5.0 kW (R32), Single-split and Multi-splits



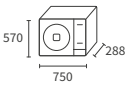
Indoor units



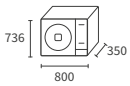
RAF-XJ25RHAE
RAF-XJ35RHAE
RAF-XJ50RHAE

Outdoor units





RAC-XJ25FHAE
RAC-XJ35FHAE



RAC-XJ50FHAE

Compatible controls and accessories

Infrared controls and connectivity



Standard infrared remote control
Model: **RC-BGH1FA0E**
Included

Wired controls



Programmable wired remote control
(color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m shielded standard cable
Model: **SPX-WKT5MS**

5 m extension cable for wired remote controls
(max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Leakage sensor

Leakage sensor
Model: **RAF-FJ07QHAA012**

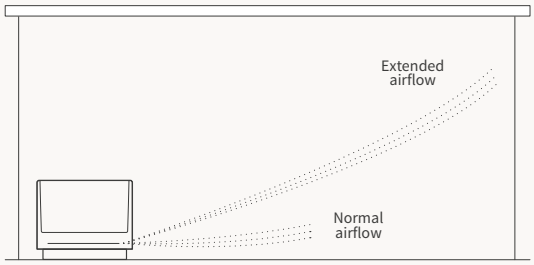
CONNECTIVITY

- Built-in Wi-Fi connectivity as standard, enabling remote control via the airCloud Go app without the need for an additional gateway.

FOR THERMAL COMFORT

Thanks to a higher rate of **dynamic air flow**, air is able to reach all corners of the room.

- Desired temperature reached quickly.
- Constant temperature is maintained.



FOR COMFORT ALL YEAR ROUND

- Maintains heating power at -7°C outside for size 25.

FOR INDOOR AIR QUALITY

- **AQtiv-Ion ionizer** built into the unit as standard.
- 3 other air treatment technologies included as standard:
  - Antivirus filter
  - FrostWash
  - Mold Guard

airHome Floor

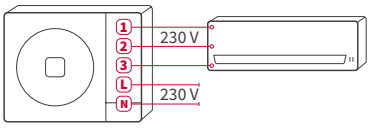
Models	Unit	2.5 kW	3.5 kW	5.0 kW
Performance, cooling				
Nominal power (min. - max.)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Nominal power consumption (min. - max.)	kW	0.54 (0.25 - 1.00)	0.88 (0.25 - 1.38)	1.34 (0.50 - 2.10)
EER	-	4.65	4.00	3.73
Energy class (D to A+++)	-	A+++	A++	
SEER (average climate)	-	**8.50**	**8.20**	**7.30**
Operating range	°C	-10°C/+46°C		
Performance, heating				
Nominal power (min. - max.)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Nominal power consumption (min. - max.)	kW	0.76 (0.25 - 1.20)	1.15 (0.25 - 1.50)	1.54 (0.50 - 2.70)
Full load capacity at -7°C without defrosting [1]	kW	3.80	4.70	5.80
Full load capacity at -7°C with defrosting [1]	kW	3.40	4.30	5.50
COP	-	4.50	3.90	
Energy class (D to A+++)	-	A++		A+
SCOP (average climate)	-	**4.60**	**4.61**	**4.30**
Operating range	°C	-20°C/+24°C		
Indoor units	**Unit**	**RAF-XJ25RHAE**	**RAF-XJ35RHAE**	**RAF-XJ50RHAE**
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [2]	dB(A)	20/26/31/36/38	20/26/31/37/39	24/29/36/41/43
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [2]	dB(A)	20/26/31/36/38	20/26/31/37/39	27/29/36/42/44
Sound power	dB(A)	52	53	57
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	270/390/510/580/630	270/390/510/590/630	300/450/540/650/700
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	300/420/540/600/660	300/420/540/610/660	330/480/570/680/730
Dehumidification	l/h	1.4	1.9	2.0
Dimensions (HxLxD)	mm	590 x 750 x 219		
Net weight	kg	15.0		
Remote control	-	RC-BGH1FA0E (included)		
Outdoor units	**Unit**	**RAC-XJ25FHAE**	**RAC-XJ35FHAE**	**RAC-XJ50FHAE**
Sound pressure in Cooling mode [2]	dB(A)	45	47	51
Sound pressure Heating[2]	dB(A)	47	49	53
Sound power	dB(A)	59	61	65
Airflow (Cooling/Heating)	m^3/h	1920 / 1620		2160 / 2160
Dimensions (HxLxD)	mm	570 x 750 (810)[3] x 288		736 x 800 (880.5)[3] x 350
Net weight	kg	30.0		51.0
Compressor	-	Rotary		2-cylinder rotary
Cooling properties				
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"
Condensate pipe diameter (out)	mm	16		
Initial refrigerant fill	kg	0.94		1.20
Preloaded for	m	20		30
Minimum length	m	3		
Max. length	m / g/m	20		30
Max. drop (outdoor unit top/bottom)	m	10 / 10		20 / 20
Refrigerant	-	R32		
Electrical features				
Power supply	V/Ph/Hz	230V/1Ph/50 Hz		
Operating current (Cooling/Heating)	A	5.90 / 6.49	7.31 / 7.32	9.61 / 12.35
Cable section	mm^2	2.50 x 2 + GROUND		
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND		

[1] To find out the data for your project, refer to our technical catalogs.
[2] Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

Indoor unit (Infrared remote control included)	**RAF-XJ25RHAE**	**RAF-XJ35RHAE**	**RAF-XJ50RHAE**
Outdoor unit	**RAC-XJ25FHAE**	**RAC-XJ35FHAE**	**RAC-XJ50FHAE**
Price for the entire Indoor + Outdoor unit			

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




HITACHI
HITACHI
25.5
Cool
20:00
PM
Auto
Mode
Fan Speed
SleepSense
Temp
Powerful
FrostWash
Silent
Filter
Reset
On Timer
Up/Down

Quick selection table

Indoor unit controls

		Wall units				Console	Ducted units			Cassette	Tanks
		Single-split	Single-split & Multi-splits			Single-split & Multi-splits	Single-split	Single-split & Multi-splits	Single-split & Multi-splits	Single-split & Multi-splits	Multi-split (airHome Triple C)
										
		NEW airHome 200	airHome 400	airHome 600	NEW airHome 800	NEW airHome Floor	airHome Ducted	NEW airHome Ducted Slim	NEW airHome Cassette	NEW Triple C
		RAK-CJ-PHAE	RAK-DJ-QHAE RAK-DJ-RHAE	RAK-VJ-QHAE RAK-VJ-RHAE	RAK-XJ-QHBE(G) RAK-XJ-RHBE(G)	RAF-XJ-RHAE	RAD-RPE	RAD-DJ-QHAE	RAD-VJ-QHAE RAD-VJ-RHAE	RAI-VJ-RHAE	TAW-RHD
Controls	Infrared remote control	 RC-AGL1IA0E	 RC-AGU1EA0G	 RC-AGS1EA0E	 RC-BGH1FA0G	 RC-BGH1FA0G	 SPX-RCKA1	 SPX-RKD800	 SPX-RKC800	-
	Wired remote control	-					 SPX-RCDA1 [1]		-		
			 SPX-RCDB1 [1]				-		 SPX-RCDB1 [1]		-
						 SPX-URFG1					-
	Unit control					 SPX-DST1 control box					-
Connectivity and Home Automation	Remote control	 SPX-WFG03 Gateway airCloud Go		 Standard via airCloud Go			 SPX-WFG02 Gateway airCloud Go	 Interface SPX-WFG03 airCloud Go			 Interface SPX-WFG05 airCloud Go
	Smart home						 ModBus AZAI6WSCHT2 gateway				-
External controls	Integration with Hitachi tertiary control solutions						 H-Link PSC-6RAD control box				-
	Dry contact ON/OFF cable		SPX-WDC3				SPX-WDC2	SPX-WDC3			-

Outdoor unit controls

	airHome Multi Pro	airHome Triple C
	RAM-G-N-HCE	RAM-Y-N-HAE
Integration with Hitachi Tertiary Solutions	H-Link control box for SPX-RAMHLK outdoor units	

[1] Available while stocks last Does not allow adjustment of service settings on airHome units.

Remote controls and optional functions

Functions of Single-split and Multi-split remote controls

	Infrared remote controls						Wired remote controls	
	 **RC-AGL1IA0E** (airHome 200)	 **RC-AGU1EA0G** (airHome 400)	 **RC-AGS1EA0E** (airHome 600) **SPX-RKC800** (airHome Cassette)	 **RC-BGH1FA0G** (airHome 800)	 **RC-BGH1FA0E** (airHome Floor) **SPX-RKD800** (airHome Ducted / airHome Ducted Slim)	 **SPX-RCKA1** (RAD-RPE Ducted)	 **SPX-RCDA1*** (RAD-RPE Ducted / airHome Ducted / airHome Ducted Slim) **SPX-RCDB1*** (Wall-mounted, console, and cassette units from the airHome range	 **SPX-URFG1** (airHome ranges)
Mode selection (heating, air conditioning, ventilation, dehumidification)	●	●	●	●	●	●	●	●
Temperature control in °C	●	●	●	●	●	●	●	●
Eco mode	●	●	●	●	●	●	-	●
Mode PowerSafe (compressor current limitation)	-	-	●	●	●	-	-	●
Silent mode	●	●	●	●	●	●	-	●
Night mode	●	●	●	●	●	-	●	●
Weekly programming	Using an airCloud Go**			●	●	●	-	●
Consumption display	Using an airCloud Go**			●	●	●	-	●
Error codes	Using an airCloud Go**			●	●	●	●	●
Absence mode	●	●	●	●	●	●	-	●
Alarm log	-	●	●	●	●	-	-	●
Adjusting service settings	-	●	●	●	●	-	-	●

* Available while stocks last
** Optional for the airHome 200 range, requires the SPX-WFG03 gateway.



Unit control with a wired remote control



Programmable wired remote control (color screen)
Model: **SPX-URFG1**

or



Simplified wired remote control
Model: **SPX-RCDA1/B1**

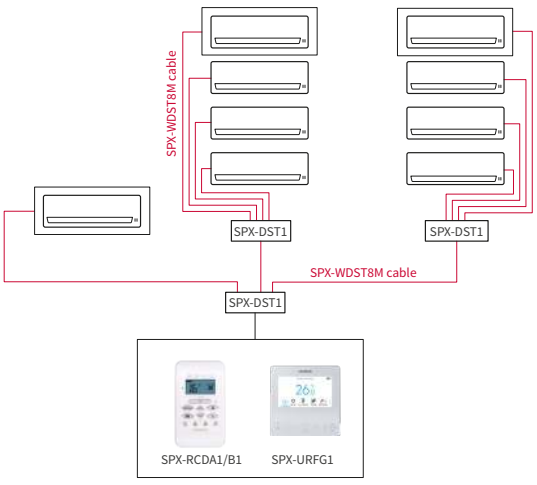
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Control box for Multi indoor units
Model: **SPX-DST1**

\+

Cable
Model: **SPX-WDST8M**
Length: 8 m



- ✓ 1 SPX-DST1 unit can control up to 4 indoor units.
- ✓ Up to 4 SPX-DST1 units can be connected to control up to 13 indoor units.
- ✓ Provide 1 cable between each indoor unit and the SPX-DST1 box (also provide 1 cable between two SPX-DST1 boxes).
- ✓ All indoor units operate in the same mode and with the same setpoint.

Save energy with Hitachi control solutions!

I am aware

By displaying my consumption

Using infrared remote controls
RC-BGH1FA0E ; RC-BGH1FA0G ; SPX-RCKA1 ; SPX-RKD800



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

Using a wired remote control
SPX-URFG1



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

Using the airClou Go application



I take action

By activating Eco mode

Using infrared remote controls
RC-AGL1IA0E ; RC-AGU1EA0G ; RC-AGS1EA0E ; RC-BGH1FA0G ; RC-BGH1FA0E ; SPX-RCKA1 ; SPX-RKC800 ; SPX-RKD800



For units without a motion detector
This mode automatically increases (Cooling mode) or reduces (Heating mode) the set temperature.

For units with a motion sensor
A choice of 2 modes:

'Reduced' mode (setpoint offset)

If nothing is detected for **20 mins**
- Cooling mode = **+1°C**
- Heating mode = **-1°C**

→ If still nothing is detected for **60 mins**
- Cooling mode = **+1°C**
- Heating mode = **-1°C**

'Complete stop' mode *

If nothing is detected for **60 mins**
Unit stops

Using a wired remote control SPX-URFG1



By programming a weekly schedule

Set your preferences for a time slot in terms of temperature and mode.

Using infrared remote controls
RC-BGH1FA0E ; RC-BGH1FA0G ; SPX-RCKA1 ; SPX-RKD800



Using a wired remote control
SPX-URFG1



Using the airCloud Go application



By using geotagging

Using the airCloud Go application

Starting or stopping the unit when you leave or return to your home:

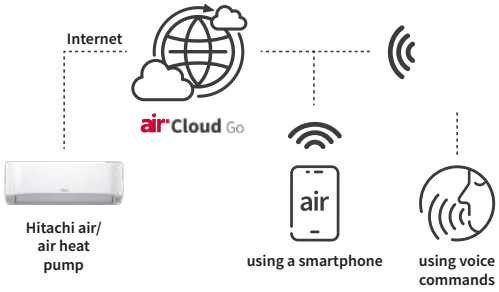
✓ Using localization on your smartphone,
✓ Choice of radius in km around your home,
✓ Setting the unit mode.



Smart home & home automation

Control your units remotely with airCloud Go

Hitachi application specifically designed for **Single & Multi residential air/air heat pumps** for the end user.



✓ **Wall-mounted (airHome 400; airHome 600 and airHome 800) and Console (airHome Floor):** Connected as standard.

✓ **Wall-mounted (airHome 200), Ducted (airHome Ducted and airHome Ducted Slim), and Cassette (airHome Cassette):** Requires the SPX-WFG03 gateway.

✓ **Ducted units (RAD-RPE) :** Requires the SPX-WFG02 gateway

✓ **Tanks (TAW-RHD) :** Requires the SPX-WFG05 gateway NEW

Download on the App Store | GET IT ON Google Play

Find out more at: bit.ly/aircloud-go



Functions:

- Start / stop
- Temperature control
- Weekly programming.
- Display of energy consumption (for the airHome ranges))
- Geotagging
- Compatible with voice assistants
- Display of error codes

KNX and Modbus '1 for 1' gateways



✓ Easy to install

✓ 2-way control

✓ 1 gateway on each indoor unit

List of controls

Controls indoor units

			Wall units				Consoles	Ducted units			Cassettes	Tanks
			Single-split	Single-split & Multi-splits			Single-split & Multi-splits	Single-split	Single-split & Multi-splits	Single-split & Multi-splits	Single-split & Multi-splits	Multi-splits (airHome Triple C)
			airHome 200	airHome 400	airHome 600	airHome 800	airHome Floor	airHome Ducted		airHome Ducted Slim	airHome Cassette	-
			RAK-CJ-PHAE	RAK-DJ-QHAE RAK-DJ-RHAE	RAK-VJ-QHAE RAK-VJ-RHAE	RAK-XJ-QHBE(G) RAK-XJ-RHBE(G)	RAF-XJ-RHAE	RAD-RPE	RAD-DJ-QHAE	RAD-VJ-QHAE RAD-VJ-RHAE	RAI-VJ-RHAE	TAW-RHD
Infrared controls	RC-AGL1IA0E	Remote control Infrared	●									
	RC-AGU1EA0G			●								
	RC-AGS1EA0E				●						⊙[1]	
	RC-BGH1FA0G					●						
	RC-BGH1FA0E						●		⊙[1]	⊙[1]		
	SPX-RCKA1	Remote control kit + infrared receiver						⊙				
	SPX-RKD800								⊙	⊙		
	SPX-RKC800										⊙	
Wired controls	SPX-RCDA1 [2]	Simplified wired remote control						⊙	⊙	⊙		
	SPX-RCDB1 [2]		⊙	⊙	⊙	⊙	⊙				⊙	
	SPX-URFG1	Wired remote control weekly	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
Centralized controls	SPX-DST1	Distribution control box	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	SPX-WDST8M	8 m connection cable between SPX-URFG1 and SPX-DST1	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	SPX-WKT5MS	5 m shielded standard cable	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	SPX-WKT5M	5 m extension cable for wired remote controls (max. 2 extensions)				⊙	⊙	⊙	⊙	⊙	⊙	
Connectivity	SPX-WFG02	airCloud Go gateway						⊙				
	SPX-WFG03		⊙						⊙	⊙	⊙	
	SPX-WFG04 [3]							⊙				
	SPX-WFG05 [4]											⊙
	SPX-TAG01	Hi-Kumo heat pump air/air gateway	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	ATW-HCD-01	H-Link adapter for CSNET Home										⊙
	ATW-IOT-01	Wi-Fi gateway for CSNET Home										⊙
	AZAI6KNXHT2	KNX RAC gateway	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	AZAI6WSCHT2	Modbus 1-1 RAC gateway	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
External controls	PSC-6RAD	H-Link box	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	SPX-WDC2	Dry cable contact ON/OFF						⊙				
	SPX-WDC3		⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙	
	SPX-WDC6 + HA-S100TSA	Dry contact ON/OFF kit + fault reporting (DC 5-24V-10 mA max.)						⊙				
	SPX-WDC8	Error report interface + operational status			⊙	⊙	⊙	⊙	⊙	⊙	⊙	
Probes	SPX-RTH1	Remote probe for ducted model						⊙				
	SPX-RTH2								⊙	⊙		

● Included with the purchase of the equipment
⊙ Available as an option
[1] Remote control supplied as an option with the kits. [2] Available while stocks last Does not allow adjustment of service settings on airHome units.
[3] Available in early 2026 (subject to availability of the SPX-WFG02 model). [4] Available in early 2026.

Outdoor unit controls

		airHome Multi Pro RAM-G-N-HCE	airHome Triple C RAM-Y-N-HAE
SPX-RAMHLK	H-Link adapter	●	●



Quick selection table

		airHome Ducted	airHome Ducted Slim (NEW)	Primairy ducted	Utopia Prime ducted RPI		Utopia Prime ducted RPIH		IVX Comfort high-pressure ducted	IVX Comfort high capacity ducted
										
		R32	R32	R32	R32	R410A	R32	R410A	R410A	R410A
Application		Residential New Commercial (<100 m²)	Residential New Commercial (<100 m²)	Residential renovation Public (<150 m²)	Residential renovation Public (<150 m²)		Commercial (<150 m²)		Commercial (<300 m²)	Commercial (1000 m²)
Positioning of range		Low power ratings	Low power ratings	Entry-level range	Premium		Very high-performances		High pressure	High-power
Compatibility		**Single-split**	**Single-split and Multi-splits**	**Single-split and unit control**	**Single-split and TWIN**		**Single-split and heat pump**		**Single-split and heat pump**	**Single-split and heat pump**
Static pressure		70 - 150 Pa	50 - 150 Pa	40 - 120 Pa	150 Pa		200 Pa		220 Pa	220 Pa
Extreme outdoor temperature in heating mode		-15°C	-15°C	-15°C	-20°C		-20°C		-20°C	-20°C
Max. length of pipework		30 m	30 m	50 m	75 m		75 m		100 m	100 m
airCloud Tap (on indoor unit)		-	-	-	●		●		●	●
Compatible with airCloud Pro		● Via PSC-6RAD*	● Via PSC-6RAD*	● Using a HCAA03NEWI	●		●		●	●
Compatible with CSNET Manager 2		● Via PSC-6RAD	● Via PSC-6RAD	● Using a HCAA03NEWI	●		●		●	●
Compatible with GTB (Modbus, KNX, BACnet)		● Via PSC-6RAD	● Via PSC-6RAD	● Using a HCAA03NEWI	●		●		●	●
AIRZONE compatible		●	●	-	●		-		-	-
Capacities										
1 hp	2.5 kW	●	●	-	-	-	-	-	-	-
1.5 hp	3.5 kW	●	●	-	-	-	-	-	-	-
2 hp	5.0 kW	●	●	-	●	-	-	-	-	-
2.5 hp	6.0 kW	●	●	-	●	-	-	-	-	-
3 hp	7.0 kW	●	●	●	●	-	●	-	-	-
3.5 hp	8.5 kW	-	-	●	-	-	-	-	-	-
4 hp	10.0 kW	-	-	●	●	●	●	●	-	-
4 hp (three-phase)	10.0 kW	-	-	-	●	●	●	●	-	-
5 hp	12.5 kW	-	-	●	●	●	●	●	-	-
5 hp (three-phase)	12.5 kW	-	-	●	●	●	●	●	-	-
6 hp	14.0 kW	-	-	●	●	●	●	●	-	-
6 hp (three-phase)	14.0 kW	-	-	●	●	●	●	●	-	-
6.5 hp (three-phase)	17.0 kW	-	-	●	-	-	-	-	-	-
8 hp (three-phase)	20.0 kW	-	-	-	-	-	-	-	●	-
10 hp (three-phase)	25.0 kW	-	-	-	-	-	-	-	●	-
16 hp (three-phase)	45.0 kW	-	-	-	-	-	-	-	-	●
20 hp (three-phase)	50.0 kW	-	-	-	-	-	-	-	-	●

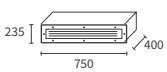
* The units in this range must be combined with a heat pump system to work with the airCloud Pro application.

airHome Ducted

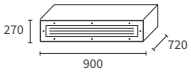
2.5 to 7.0 kW (R32), Single-split



Indoor units



RAD-25RPE
RAD-35RPE



RAD-DJ50QHAE
RAD-DJ60QHAE
RAD-DJ70QHAE

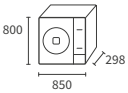
Outdoor units



RAC-25NPE
RAC-35NPE



RAC-VJ50NHAE
RAC-VJ60NHAE



RAC-VJ70NHAE

Compatible controls and accessories

Infrared and connected controls



Remote control kit + infrared receiver
Model: **SPX-RCKA1** (RAD-RPE)



Remote control kit + infrared receiver
Model: **SPX-RKD800** (RAD-DJ-QHAE)



airCloud Go gateway
Model: **SPX-WFG02** (RAD-RPE)
SPX-WFG03 (RAD-DJ-QHAE)

Wired controls, H-Link & GTB



Programmable wired remote control (color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDA1**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



H-Link box
Model: **PSC-6RAD**



1-1 KNX gateway
Model: **AZAI6KNXHT2**



Multi-indoor unit control box
Model: **SPX-DST1**
\+ Model: **SPX-WDST8M**

5 m shielded standard cable
Model: **SPX-WKT5MS**

5 m extension cable for wired remote controls
(max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Refs. : **SPX-WDC2** (RAD-RPE)
SPX-WDC3 (RAD-DJ-QHAE)

Error reporting interface + operating status
Model: **SPX-WDC8**

Kit contact sec ON/OFF + error reporting
Refs. : **SPX-WDC6 + HA-S100TSA** (RAD-RPE)

Other accessories

Remote sensor
Refs. : **SPX-RTH1** (RAD-RPE)
SPX-RTH2 (RAD-DJ-QHAE)

Plenums
Please contact your sales representative or Airzone distributor.

+ IDEAL FOR NEW-BUILD PROPERTIES

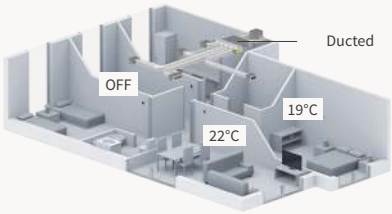
Installation in new buildings

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

+ COMFORT

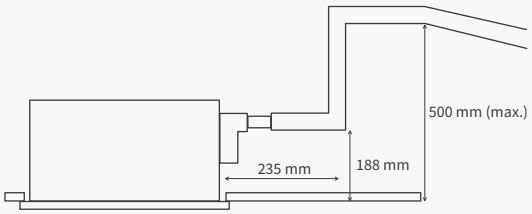
Compatible AIRZONE

With a single ducted unit, the user can control up to 6 rooms individually.



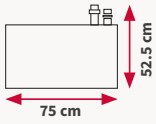
+ FOR EASE OF INSTALLATION

Condensate pump included



Refrigeration connections at the back!

Only available for these models
RAD-25RPE/RAD-35RPE



airHome Ducted

		RAD-RPE		RAD-DJ-QHAE (PRELIMINARY DATA)		
Models	**Unit**	**2.5 kW**	**3.5 kW**	**5.0 kW**	**6.0 kW**	**7.0 kW**
Performance, cooling						
Nominal power (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 power consumption (min. - max.)	kW	0.60 (0.25 - 1.29)	0.95 (0.25 - 1.46)	1.42 (0.30 - 2.65)	1.71 (0.30 - 2.65)	2.11 (0.50 - 2.70)
EER	-	4.20	3.70	3.52	3.51	3.32
Energy class (D to A+++)	-	A++		A++		
SEER (average climate)	-	**6.20**	**6.50**	**6.20**		**6.10**
Operating range	°C	-10°C/+46°C		-15°C/+46°C		
Performance, heating						
Nominal power (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)
Nominal power consumption (min. - max.)	kW	0.88 (0.25 - 1.50)	1.26 (0.25 - 1.92)	1.57 (0.30 - 2.65)	1.84 (0.30 - 2.65)	2.20 (0.50 - 2.80)
Full load capacity at -7°C without defrosting [1]	kW	2.85	3.65	4.80	5.50	6.20
Full load capacity at -7°C with defrosting [1]	kW	2.50	3.20	4.20	5.00	5.50
COP	-	4.00	3.81	3.82	3.80	3.64
Energy class (D to A+++)	-	A+		A+		
SCOP (average climate)	-	**4.30**		**4.00**		
Operating range	°C	-15°C/+24°C		-15°C/+24°C		
Indoor units	**Unit**	**RAD-25RPE**	**RAD-35RPE**	**RAD-DJ50QHAE**	**RAD-DJ60QHAE**	**RAD-DJ70QHAE**
Sound pressure in Cooling mode (very low/low/medium/high speed) [2]	dB(A)	30/33/37/41		29/32/35/37/39		
Sound pressure in Heating mode (very low/low/medium/high speed) [2]	dB(A)	30/34/38/42		29/32/35/38/40		
Sound power	dB(A)	57		55		57
External static pressure (low/medium/high speed)	Pa	-/-/70		50/100/150		
Airflow in Cooling mode (very low/low/medium/high speed)	m³/h	330/390/450/510		350/540/800/970/1140		
Dehumidification	l/h	2.8		2.8		4.8
Dimensions (HxLxD)	mm	235 x 750 x 400 (525)[3]		270 x 900 (995)[3] x 720		
Net weight	kg	16.0		35.0		
Condensate pump	-	Included		Included		
Wired remote control	-	SPX-URFG1		SPX-URFG1		
Outdoor units	**Unit**	**RAC-25NPE**	**RAC-35NPE**	**RAC-VJ50NHAE**	**RAC-VJ60NHAE**	**RAC-VJ70NHAE**
Sound pressure Cooling [2]	dB(A)	48		53		54
Sound pressure Heating [2]	dB(A)	49		54		
Sound power	m³/h	61		65		67
Airflow (Cooling/Heating)	m³/h	1920 / 1620		2700 / 2700		
Dimensions (HxLxD)	mm	548 x 750 (841)[3] x 288		750 x 850 (956)[3] x 298		800 x 850 (956)[3] x 298
Net weight	kg	32.5		47.0		48.0
Compressor	-	Rotary		Rotary		
Cooling properties						
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	32		32		
Initial refrigerant fill	kg	0.86		1.30		1.50
Preloaded for	m	20		30		
Minimum length	m	3		3		
Max. length	m	20		30		
Max. drop (outdoor unit top/bottom)	m	10 / 10		20 / 20		
Refrigerant	-	R32		R32		
Electrical features						
Power supply	V/Ph/Hz	230V/1Ph/50 Hz		230V/1Ph/50 Hz		
Maximum current	A	15		20		
Cable section	mm²	1.50 x 2 + GROUND		2.50 x 2 + GROUND		
Indoor/outdoor connection (protected)	mm²	1.50 x 3 + GROUND		1.50 x 3 + GROUND		

[1] To find the data corresponding to your project, use our technical catalogs.
[2] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

Indoor unit (Remote control not included)	**RAD-25RPE**	**RAD-35RPE**	**RAD-DJ50QHAE**	**RAD-DJ60QHAE**	**RAD-DJ70QHAE**
Outdoor unit	**RAC-25NPE**	**RAC-35NPE**	**RAC-VJ50NHAE**	**RAC-VJ60NHAE**	**RAC-VJ70NHAE**
Wired remote control SPX-URFG1					
Price for the entire Indoor + Outdoor unit + wired remote control					

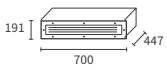
airHome Ducted Slim

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

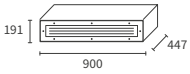
NEW



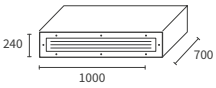
Indoor units



RAD-VJ25RHAE



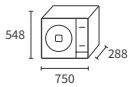
RAD-VJ35RHAE



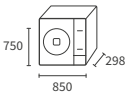
RAD-VJ50RHAE
RAD-VJ60RHAE
RAD-VJ70RHAE

Outdoor units

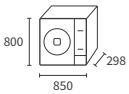




RAC-VJ25NHAE
RAC-VJ35NHAE



RAC-VJ50NHAE
RAC-VJ60NHAE



RAC-VJ70NHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKD800**



airCloud Go gateway
Model: **SPX-WFG03**

Wired controls, H-Link & GTB



Programmable wired remote control (color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDA1**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



H-Link box
Model: **PSC-6RAD**



1-1 KNX gateway
Model: **AZAI6KNXHT2**



Multi-indoor unit control box
Model: **SPX-DST1** + Model: **SPX-WDST8M**

5 m shielded standard cable
Model: **SPX-WKT5MS**

5 m extension cable for wired remote controls
(max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

Other accessories

Remote sensor
Model: **SPX-RTH2**

Plenums
Please contact your sales representative or Airzone distributor.

+ FOR COMPACTNESS

New slim version:

with a height of only 19 cm for sizes 25 and 35.

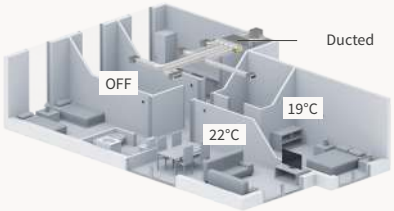
+ INDOOR AIR QUALITY

- **AQtiv-Ion ionizer** (1)
- **2 other air treatment technologies included as standard:** FrostWash technology & Mold Guard function

+ COMFORT

Compatible AIRZONE

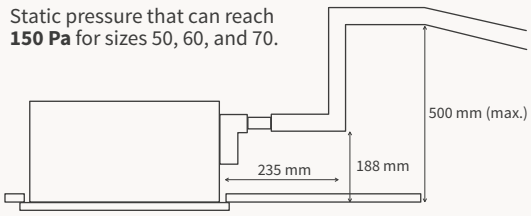
With a single ducted unit, the user can control up to 6 rooms individually.



+ FOR EASE OF INSTALLATION

Condensate pump included

Static pressure that can reach **150 Pa** for sizes 50, 60, and 70.



(1) Activated with the optional SPX-RKD800 remote control.

airHome Ducted Slim

Models	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Performance, cooling						
Nominal power (min. - max.)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.80)	6.00 (1.90 - 6.50)	7.00 (1.90 - 8.00)
Nominal power consumption (min. - max.)	kW	0.60 (0.25 - 1.29)	0.88 (0.25 - 1.46)	1.43 (0.50 - 3.05)	1.71 (0.50 - 3.05)	2.11 (0.50 - 3.50)
EER	-	4.20	4.00	3.50	3.51	3.32
Energy class (D to A+++)	-			A++		
SEER (average climate)	-	**6.50**		**6.20**		**6.10**
Operating range	°C	-10°C/+46°C		-15°C/+46°C		
Performance, heating						
Nominal power (min. - max.)	kW	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.90 - 6.80)	7.00 (1.90 - 7.50)	8.00 (1.90 - 8.50)
Nominal power consumption (min. - max.)	kW	0.88 (0.25 - 1.50)	1.20 (0.25 - 1.92)	1.58 (0.50 - 3.05)	1.84 (0.50 - 3.05)	2.20 (0.50 - 3.50)
Full load capacity at -7°C without defrosting [1]	kW	2.90	3.60	4.80	5.50	6.20
Full load capacity at -7°C with defrosting [1]	kW	2.50	3.20	4.20	5.00	5.50
COP	-	4.00		3.80		3.64
Energy class (D to A+++)	-			A+		
SCOP (average climate)	-	**4.28**	**4.30**		**4.00**	
Operating range	°C			-15°C/+24°C		
Indoor units	**Unit**	**RAD-VJ25RHAE**	**RAD-VJ35RHAE**	**RAD-VJ50RHAE**	**RAD-VJ60RHAE**	**RAD-VJ70RHAE**
Sound pressure in Cooling mode (very low/low/medium/high speed) [2]	dB(A)	28/32/35/37/40	28/32/35/38/40	29/32/35/37/39	29/32/35/37/39	29/32/35/37/39
Sound pressure in Heating mode (very low/low/medium/high speed) [2]	dB(A)	28/32/35/37/40	28/32/35/38/41	29/32/35/38/40	29/32/35/38/40	29/32/35/38/40
Sound power	dB(A)	54		55	55	57
External static pressure (low/medium/high speed)	Pa	25 / 50			50/100/150	
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	380/450/510/550/670	430/510/610/690/820	540/720/840/960/1200	540/720/840/960/1200	540/720/840/960/1200
Airflow in Heating mode (very low/low/medium/high speed)	m^3/h	380/450/510/550/670	430/510/610/690/820	540/720/840/960/1200	540/720/840/960/1200	540/720/840/960/1200
Dehumidification	l/h	2.8				4.8
Dimensions (HxLxD)	mm	191 × 700 (730)[3] × 447	191 × 910 (940)[3] × 447	240 x 1000 (1036)[3] x 700		
Net weight	kg	16.0	19.0	35.0		
Condensate pump	-	Included				
Wired remote control	-	SPX-URFG1				
Outdoor units	**Unit**	**RAC-VJ25NHAE**	**RAC-VJ35NHAE**	**RAC-VJ50NHAE**	**RAC-VJ60NHAE**	**RAC-VJ70NHAE**
Sound pressure Cooling [2]	dB(A)	48		53		54
Sound pressure Heating [2]	dB(A)	48	49	54		
Sound power	dB(A)	61		65		67
Airflow (Cooling/Heating)	m^3/h	1920 / 1920		2700 / 2700		
Dimensions (HxLxD)	mm	548 x 750 (841) [3] x 288		750 x 850 (956) [3] x 298		800 x 850 (956) [3] x 298
Net weight	kg	31.6		47.0		48.0
Compressor	-	Rotary				
Cooling properties						
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	37				
Initial refrigerant fill	kg	0.86		1.30		1.50
Preloaded for	m	20		30		
Minimum length	m	3				
Max. length	m	20		30		
Max. drop (outdoor unit top/bottom)	m	10 / 10		20 / 20		
Refrigerant	-	R32				
Electrical features						
Power supply	V/Ph/Hz	230V/1Ph/50 Hz				
Maximum current	A	15		20		
Cable section	mm^2	2.50 x 2 + GROUND				
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND				

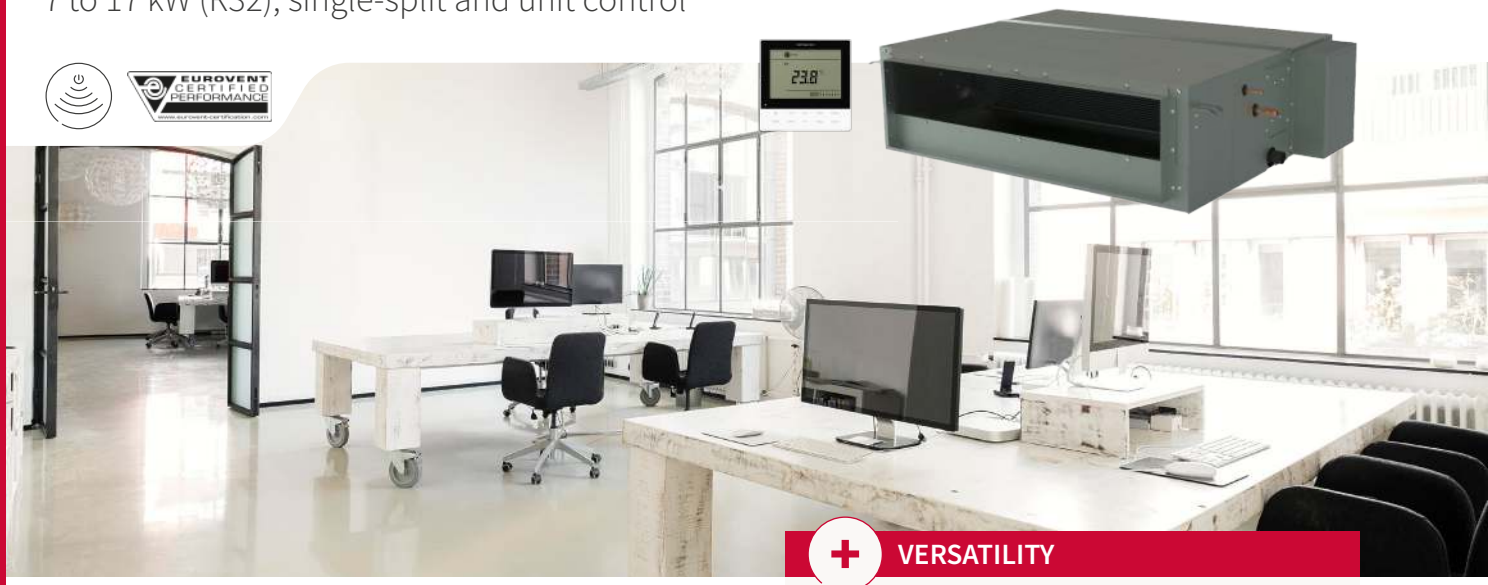
[1] To find the data corresponding to your project, use our technical catalogs.
[2] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

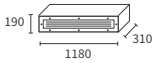
Indoor unit (Remote control not included)	**RAD-VJ25RHAE**	**RAD-VJ35RHAE**	**RAD-VJ50RHAE**	**RAD-VJ60RHAE**	**RAD-VJ70RHAE**
Outdoor unit	**RAC-VJ25NHAE**	**RAC-VJ35NHAE**	**RAC-VJ50NHAE**	**RAC-VJ60NHAE**	**RAC-VJ70NHAE**
Wired remote control SPX-URFG1					
Price for the entire Indoor + Outdoor unit + wired remote control					

Primairy ducted

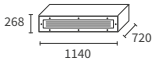
Medium pressure
7 to 17 kW (R32), single-split and unit control



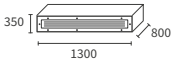
Indoor units



RPIL-3.0UFE1NH



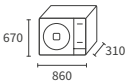
RPIH-3.5UFE1NH
RPIH-4.0UFE1NH



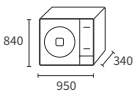
RPIH-4.0UFE1NH
RPIH-5.0UFE1NH
RPIH-6.0UFE1NH
RPIH-6.5UFE1NH

Outdoor units

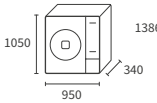




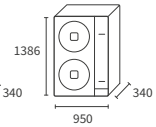
RAS-3.0UFESNH1
RAS-3.5UFESNH1



RAS-4.0UFESNH1



RAS-5.0UFESNH1
RAS-5.0UFESMH1



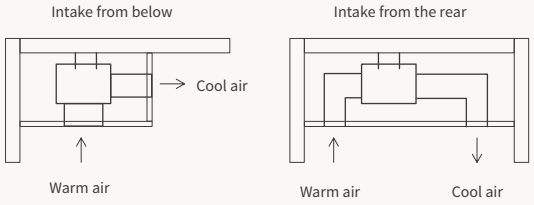
RAS-6.0UFESNH1
RAS-6.0UFESMH1
RAS-6.5UFESMH1

VERSATILITY

- **H-Link** (optional)
- **Compatible with modbus, KNX, BACnet** (optional)
- **Unit control** (optional, up to 8 indoor units)

EASE OF INSTALLATION

- **Pickup from the rear or underneath**
- **Standard ON/OFF dry contact**
- **Static pressure**: Up to120 Pa
- **Integrated condensate pump** : 700 mm lift height



FOR ENERGY COST SAVINGS

- **Weekly programming:** Optimize the unit's operation without compromising comfort.
- **Function setback:** Ideal for creating night-time reductions in summer or winter.

Compatible controls and accessories

Individual checks



Programmable wired remote control
Model: **HCWA21NEHH**
Included



Infrared remote control
Model: **HRBB31NEGH**

GTB & Group Controls



KNX (1-1) gateway
Model: **AZAI6KNXHT3**



Modbus/BACnet (1-1) gateway,
Multi-function gateway (1 of your choice): Unit control / Modbus / BACnet
Model: **GH-64MFGN**

The PRIMAIRY range is also compatible with the centralized GTB gateways of the heat pump range via the H-LINK HCAA03NEWI interface.

H-Link solution



H-Link gateway
Model: **HCAA03NEWI**



Remote control panel
Model: **PSC-A32MN**

+



or CSNET MANAGER



airCloud Pro
Model: **HC-IOTGW**

Primairy ducted

R32 REFRIGERANT

Models	Unit	6.9kW 3 hp	8.5 kW 3.5 hp	10.1kW 4 hp	12.5KW 5 hp	14.1 kW 6 hp	12.1kW 5 hp	14.2kW 6 hp	17.1kW 6.5 hp
Performance, cooling									
Nominal cooling capacity (min. - max.) [1]	kW	6.90 (2.45 - 7.85)	8.50 (4.00 - 9.50)	10.10 (3.50 - 11.00)	12.50(3.30- 13.20)	14.10(3.20- 16.00)	12.10 (3.30 - 13.20)	14.19 (3.20 - 16.00)	17.10 (3.30 - 18.50)
Nominal absorbed capacity	kW	2.16	2.67	3.80	4.22	4.78	4.22	4.78	6.60
EER	-	3.19	3.18	2.66	2.85	2.95	2.87	2.97	2.59
Energy class (D to A+++)	-	A++					-		
States	%	-			**241**	**235**	**248**	**234**	**229**
SEER (average climate)	-	**6.29**	**6.20**	**6.10**	**6.10**	**5.94**	**6.28**	**5.94**	**5.81**
Annual power consumption	kWh/year	395	499	577	698	829	761	849	943
Operating range	°C	+5°C / +48°C [1]							
Performance, heating									
Nominal power (min. - max.)	kW	8.30 (2.20 - 8.70)	9.00 (3.50 - 9.40)	10.50 (3.50 - 11.00)	12.80 (3.00 - 14.60)	16.50 (3.40 - 18.50)	13.40 (3.00 - 14.60)	13.40 (3.00 - 14.60)	18.00 (3.00 - 19.50)
Nominal absorbed capacity	kW	2.22	2.40	3.50	3.82	4.65	4.07	4.65	6.10
Capacity at full load at -7°C [2]	kW	4.00	5.60	6.50	8.40	10.60	8.40	10.60	11.90
COP	-	3.74	3.75	3.00	3.35	3.40	3.29	3.47	2.95
Energy class (D to A+++)	-	A					-		
States	%	-			**145**				**146**
SCOP (average climate)	-	**4.05**	**4.00**	**3.92**	**3.70**				**3.72**
Annual power consumption	kWh/year	2007	2313	2926	3392	4503	3674	4694	4205
Operating range	°C	-15°C/+24°C							

Indoor units	Unit	RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Sound pressure in Cooling mode (Low/medium/ high speed)	dB(A)	31/34/38	33/38/41	38/40/42	37/40/43	42/45/47	37/40/43	42/45/47	43/45/48
Sound pressure in Cooling mode	dB(A)	61	63	65	69	77	69	77	
Airflow in Cooling mode (Low/medium/high speed)	m^3/h	490/700/1000	900/1120/1450	1400/1600/1800	1300/1500/1750	1900/2200/2400	1300/1500/1750	1900/2200/2400	
Rated available pressure (min. - max.)	Pa	25.0 (0 - 40)	37.0 (0 - 120)		50.0 (0 - 120)				
Dimensions (HxLxD)	mm	190 x 1180 × 445	268 x 1140 x 720		350 x 1300 x 800				
Net weight of box	kg	24.0	37.5		51				
Condensate pump	-	Included							
Condensate outlet diameter (ext.)	mm	32							
Maximum height for condensation extraction	mm	700							
Air filter	-	Included							
Power supply	V/Ph/Hz	230V/1Ph/50 Hz							
Remote control	-	Wired programmable unit included (HCWA21NEHH)							

Outdoor units	Unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Sound pressure in Cooling mode	dB(A)	54	54	58	62				67
Sound pressure in Cooling mode	dB(A)	69	70		76				80
Airflow (cooling)	m^3/h	3150		3800	5800	6300	5800	6300	
Dimensions (HxLxD)	mm	670 x 860 × 310		840 x 950 x 340	1050 x 950 × 340	1386 x 950 × 340	1050 x 950 × 340	1386 x 950 × 340	
Net weight	kg	49.0		70.0	85.0	101.5	85.0	101.5	109.0
Compressor	-	Inverter rotary unit							
Cooling properties									
Diameter of pipes (Liq - Gas)	inches	3/8" - 5/8"		3/8" - 3/4"					
Initial refrigerant fill	kg/TeqCO₂	1.40 / 0.95	1.45 / 0.98	2.00 / 1.35	2.50 / 1.69	3.00 / 2.03	2.50 / 1.69	3.00 / 2.03	3.40 / 2.30
Preloaded for	m	5							
Max. pipe length	m	50							
Added refrigerant	g/m	28							
Max. drop (outdoor unit top/bottom)	m	30 / 30							
Refrigerant	-	R32							
Electrical features, outdoor unit									
Power supply	V/Ph/Hz	1~ 230V 50 Hz + N + T					3~ 400V 50 Hz + N + T		
Maximum current	A	18.1	18.0	22.5	28.2	30.0	11.6		
Cable section	mm^2	3 x 2.5		3 x 4	3 x 6		5 x 2.5		
Indoor/outdoor connection (protected)	mm^2	4 x 1.5							

[1] The PRIMAIRY range is designed for air conditioning and comfort heating applications only. Do not use the PRIMAIRY range for any other types of applications. For example: Server rooms, clothes drying rooms, rooms containing food processing equipment.
[2] Data includes defrosting.

Retail price per unit excluding taxes

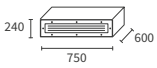
Indoor unit (Wired remote control included HCWA21NEHH)	RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Outdoor unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Price for whole set Indoor unit + Outdoor unit								

RPI Utopia Prime R32 ducted

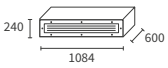
Medium pressure
5 to 14 kW (R32), Single-split and TWIN



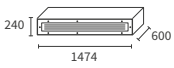
Indoor units



RPI-2.0FSR1E



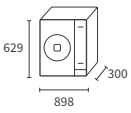
RPI-2.5FSR1E
RPI-3.0FSR1E



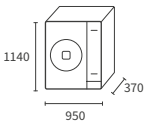
RPI-4.0FSR1E
RPI-5.0FSR1E
RPI-6.0FSR1E

Outdoor units





RAS-2HVRC3
RAS-2.5HVRC3
RAS-3HVRC3



RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E

CONNECTIVITY

airCloud Pro

- **Remote control**
- **Maintenance**



EASE OF INSTALLATION

Out of the box

- **Integrated condensate pump:** 850 mm lift height
- **Compactness:** Just 24 cm in height
- **Compatible** AIRZONE
- **ON/OFF dry contact via PCC 1A**
- **Static pressure** : Up to 150 Pa
- **Long installation length:** Up to 75 m

FOR ENERGY COST SAVINGS

Reduce your bills

- **Motion sensor (optional):** Optimize the function of the unit without reducing its comfort level
- **Consumption monitoring & ECO mode:** The wired remote control is your tool for simplicity.

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR**
(+ PC-ALHZ1)

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-MSK**



Adjustable input/output contact connections
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 hp)
Model: **DBS-12L** (2/2.5/3 hp)

RPI Utopia Prime R32 ducted

R32 REFRIGERANT

Models	Unit	5 kW 2 hp	5.6 kW 2.5 hp	7.1 kW 3 hp	10.0 kW 4 hp	12.5 kW 5 hp	14.0 kW 6 hp
Performance, cooling							
Nominal power input (+35°C outside / 27°C water)	kW	5.00 (5.60)	5.60 (6.30)	7.10 (8.00)	10.00 (11.20)	12.50 (14.00)	14.00 (14.00)
Nominal absorbed capacity	kW	1.33	1.40	2.05	3.10	3.93	4.55
EER	-	3.70	4.00	3.47	3.62	3.26	3.09
Energy class (D to A+++)	-			A++			-
Cold states	%		269.0		**254.6 (V) - 243.8**	**241.0 (V) - 231.6**	**289.0 (V) - 285.0**
SEER (average climate)	-	**6.78**	**7.11**	**6.82**	**6.44(V) - 6.17**	6.10(V) - 5.89	7.30 (V) - 7.20
Operating range [1]	°C		-15°C/+50°C (DB)			-15°C/+46°C (DB)	
Performance, heating							
Nominal power input (+5°C outside / 20°C water)	kW	5.00 (6.97)	5.60 (7.85)	7.10 (9.75)	10.00 (13.77)	12.50 (17.81)	14.00 (19.75)
Nominal absorbed capacity	kW	1.23	1.47	1.86	2.78	3.95	4.40
Eurovent capacity at -7°C (max. at -10°C outside / 20°C inside)*	kW	4.40 (5.40)	4.57 (6.08)	5.28 (6.40)	7.70 (10.14)	10.5 (11.79)	12.5 (12.64)
COP	-	4.05	3.80	3.80	3.71 (V) - 3.63	3.42	4.40
Energy class (D to A+++)	-		A			A+	-
Hot States	%		149.0	153.0	159.0	**158.2**	**186.2**
SCOP (average climate)	-	**3.83**	**3.92**		**4.04**	4.03	4.73
Operating range	°C		-20°C/+15°C (WB)			-20°C/+18°C (WB)	

Indoor units	Unit	RPI-2.0FSR1E	RPI-2.5FSR1E	RPI-3.0FSR1E	RPI-4.0FSR1E	RPI-5.0FSR1E	RPI-6.0FSR1E
Sound pressure in Cooling mode (low/medium/high speed) [2]	dB(A)	29/30/32	30 / 32 /34	31/33/35	35/38/39	36 / 38 /40	36/38/40
Sound power	dB(A)	58	57	59	62	64	64
Airflow in Cooling mode (low/medium/high speed)	m^3/h	630/720/840 (SP02)[4]	900/1020/1200 (SP02)[4]	960 / 1140 / 1290 (SP02)[4]	1680 / 2070 / 2160 (SP00)[4]	1920 / 2100 / 2220 (SP00)[4]	1920 / 2130 / 2250 (SP00)[4]
Static pressure (min. - max.)	Pa		25 (0~150)		37 (0~150)	50 (0~150)	
Condensate pump included	-			yes			
Maximum height for condensation extraction	mm			850			
Dimensions (HxLxD)	mm	240 x 750 x 600	240 x 1084 x 600			240 x 1474 x 600	
Weight	kg	26	26	32		42	
Cooling pipe diameter (Liq - Gas)	mm (inches)	6.35 (1/4) - 15.88 (5/8)		9.52 (3/8) - 15.88 (5/8)			
Condensate pipe diameter (out)	mm			32			
Power supply	-			1~ 230V 50 Hz			
Cable section [3]	mm^2		3 x 1.5			3 x 2.5	
Remote control	-			PC-ARFG2-E(B) / PC-ARC-E			

Outdoor units	Unit	RAS-2HVRC3	RAS-2.5HVRC3	RAS-3HVRC3	RAS-4H(V)RC2E	RAS-5H(V)RC2E	RAS-6H(V)RC2E
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	45 (42)	45 (43)	52 (48)		54 (51)	56 (51)
Sound power	dB(A)		65	68		70	71
Airflow (Cooling/Heating)	m^3/h		2754 / 2754	2985 / 3420		4800 / 4800	
Dimensions (HxLxD)	mm		629 x 898 x 300	629 x 898 x 300		1140 x 950 x 370	
Net weight	kg		40	42		84 (V) - 86	
Compressor	-			Inverter DC rotary unit			
Cooling properties							
Diameter of pipes (Liq - Gas)	mm (inches)		6.35 (1/4) - 12.7 (1/2)			9.52 (3/8) - 15.88 (5/8)	
Initial refrigerant fill	kg		1.3	1.8		3.0	
Preloaded for	m		30			20	
Minimum length	m			5			
Maximum length/Added refrigerant	m / g/m		50 / 24	50 / 30		75 / 45	
Max. drop (outdoor unit top/bottom)	m			30 / 20			
Refrigerant	-			R32			
Electrical features, outdoor unit							
Single-phase (three-phase) power supply	-		1~ 230V 50 Hz + N + T			1~ 230V 50 Hz (3N~ 400V 50 Hz) + N + T	
Maximum current	A		12.5	16.5		22.5 (V) - 15	
Cable section [3]	mm^2		3 x 2.50	3 x 4.00		3 x 6,00 (V) - 5 x 4,00	
Indoor/outdoor connection (protected)	mm^2			2 x 0.75			

[1] To ensure a cooling mode at -15°C, this option must be activated.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[4] SP: external static pressure (defined with the optional function "C5" on the remote control: 00: standard, 01: external static high pressure, 02: external static low-pressure).
* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
(V) Single-phase version.

Retail price per unit excluding taxes

Indoor unit		RPI-2.0FSR1E	RPI-2.5FSR1E	RPI-3.0FSR1E	RPI-4.0FSR1E	RPI-5.0FSR1E	RPI-6.0FSR1E
Outdoor unit	Single-phase	RAS-2HVRC3	RAS-2.5HVRC3	RAS-3HVRC3	RAS-4HVRC2E	RAS-5HVRC2E	RAS-6HVRC2E
	Three-phase	-	-	-	RAS-4HRC2E	RAS-5HRC2E	RAS-6HRC2E
Wired remote control PC-ARFG2-E(B)							
Price for whole set Indoor unit + remote control + outdoor unit	Single-phase						
	Three-phase						

Detailed dimensions of plenums and ducted RPI

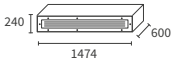
▶ bit.ly/fiche-plenum-rpi

RPI Utopia Prime R410A ducted

Medium pressure
10 to 14 kW (R410A), Single-split and TWIN



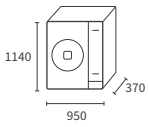
Indoor units



RPI-4.0FSR1E
RPI-5.0FSR1E
RPI-6.0FSR1E

Outdoor units





RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

+ CONNECTIVITY

airCloud Pro

- **Remote control**
- **Maintenance**



+ EASE OF INSTALLATION

Out of the box

- **Integrated condensate pump:** 850 mm lift height
- **Compactness:** Just 24 cm in height
- **Compatible** AIRZONE
- **ON/OFF dry contact via PCC 1A**
- **Long installation length:** Up to 75 m

+ FOR ENERGY COST SAVINGS

Reduce your bills

- **Motion sensor (optional):** Optimize the function of the unit without reducing its comfort level
- **Consumption monitoring & ECO mode:** The wired remote control is your tool for simplicity.

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHZ1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-MSK**



Adjustable input/output contact connections
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 hp)

RPI Utopia Prime R410A ducted

R410A REFRIGERANT

Models	Unit	10.0 kW 4 hp	12.5 kW 5 hp	14.0 kW 6 hp
Performance, cooling				
Nominal power input (+35°C outside / 27°C water)	kW	10.00 (11.20)	12.50 (14.00)	14,.0 (14.00(V) - 16.00)
Nominal absorbed capacity	kW	3.10	3.93	4.55
EER	-	3.24	2.92	2.81
Energy class (D to A+++)	-	A++ (V) - A+	A+	-
Cold states	%	-	**231.8 (V) - 224.2**	**276.6 (V) - 273.0**
SEER (average climate)	-	**6.21(V) - 5.96**	5.87(V) - 5.68	6.99(V) - 6.90
Operating range [1]	°C		-15°C/+46°C (DB)	
Performance, heating				
Nominal power input (+5°C outside / 20°C water)	kW	10.00 (13.77)	12.50 (17.81)	14.90 (19.75)
Nominal absorbed capacity	kW	2.78	3.95	4.40
Eurovent capacity at -7°C (max. at -10°C outside / 20°C inside)*	kW	7.70 (10.14)	10.5 (11.79)	12.5 (12.64)
COP	-	3.71	3.42	4.40
Energy class (D to A+++)	-	A+	A	-
Hot States	%	-	**154.2**	**185.0 (V) - 185.4**
SCOP (average climate)	-	**4.09**	3.93	4.70
Operating range	°C		-20°C/+18°C (WB)	

Indoor units	Unit	RPI-4.0FSR1E	RPI-5.0FSR1E	RPI-6.0FSR1E
Sound pressure in Cooling mode (low/medium/high speed) [2]	dB(A)	35/38/39	36/38/40	36/38/40
Sound pressure (SP00)[4]	dB(A)	62	64	64
Airflow in Cooling mode (low/medium/high speed)	m^3/h	1680/2070/2160	1920/2100/2220	1920/2130/2250
Static pressure (min. - max.)	Pa	37 (0~150)	50 (0~150)	
Condensate pump included	-	yes		
Maximum height for condensation extraction	mm	850		
Dimensions (HxLxD)	mm	240 x 1474 x 600		
Weight	kg	42		
Cooling pipe diameter (Liq - Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)		
Condensate pipe diameter (out)	mm	32		
Power supply	-	1~ 230V 50 Hz		
Cable section [3]	mm^2	3 x 2.5		
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E		

Outdoor units	Unit	RAS-4H(V)NC2E	RAS-5H(V)NC2E	RAS-6H(V)NC2E
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	54 (51)		56 (51)
Sound power	dB(A)	70		71
Airflow (Cooling/Heating)	m^3/h	4800		
Dimensions (HxLxD)	mm	1140 x 950 x 370		
Net weight	kg	84 (V) - 86		
Compressor	-	Inverter DC rotary unit		
Cooling properties				
Diameter of pipes (Liq - Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)		
Initial refrigerant fill	kg	3.2		
Preloaded for	m	20		
Minimum length	m	5		
Maximum length/Added refrigerant	m / g/m	75 / 60		
Max. drop (outdoor unit top/bottom)	m	30 / 20		
Refrigerant	-	R410A		
Electrical features, outdoor unit				
Single-phase (three-phase) power supply	-	1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T		
Maximum current	A	22.5 (V) - 15		
Cable section [3]	mm^2	3 x 6,00 (V) - 5 x 4,00		
Indoor/outdoor connection (protected)	mm^2	2 x 0.75		

[1] To ensure a cooling mode at -15°C, this option must be activated.
[2] Sound levels (pressure) are measured in an anechoic chamber 1.50 m below the unit (without a ceiling below the unit), with a suction duct at 1 m and a discharge duct at 2 m.
[3] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[4] SP: external static pressure (defined with the optional function "C5" on the remote control: 00: standard, 01: external static high pressure, 02: external static low-pressure).
* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
(V) Single-phase version.

Retail price per unit excluding taxes

Indoor unit		**RPI-4.0FSR1E**	**RPI-5.0FSR1E**	**RPI-6.0FSR1E**
Outdoor unit	**Single-phase**	**RAS-4HVNC2E**	**RAS-5HVNC2E**	**RAS-6HVNC2E**
	Three-phase	**RAS-4HNC2E**	**RAS-5HNC2E**	**RAS-6HNC2E**
Wired remote control PC-ARFG2-E(B)				
Price for whole set Indoor unit + remote control + outdoor unit	**Single-phase**			
	Three-phase			

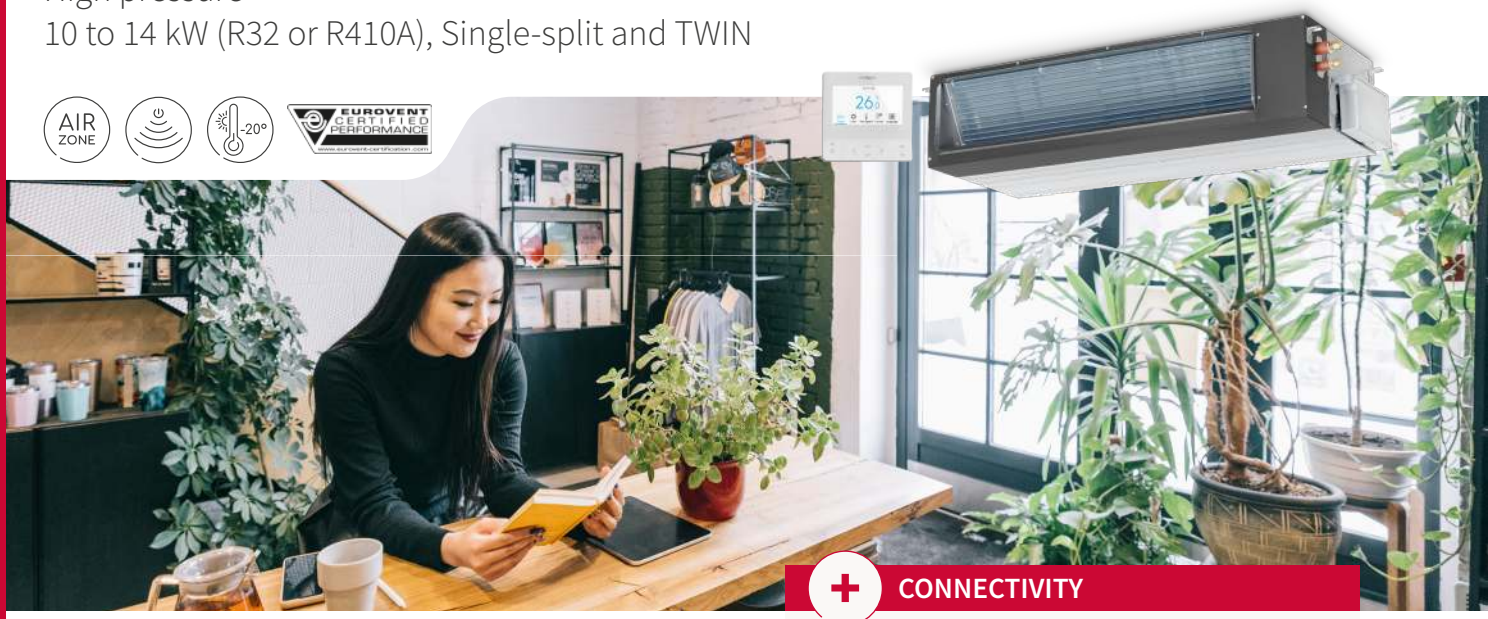
Detailed dimensions of plenums and ducted RPI

▶ bit.ly/fiche-plenum-rpi

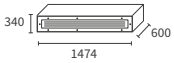
Utopia Prime ducted RPIH

EXCLUSIVE TO HITACHI

High pressure
10 to 14 kW (R32 or R410A), Single-split and TWIN



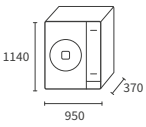
Indoor units



RPIH-4.0FSR1E
RPIH-5.0FSR1E
RPIH-6.0FSR1E

Outdoor units





RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E
RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

+ CONNECTIVITY

airCloud Pro

- **Remote control**
- **Maintenance**



+ EASE OF INSTALLATION

Out of the box

- **Integrated condensate pump:** 850 mm lift height
- **High static pressure:** 200 Pa
- **Compatible** AIRZONE
- **ON/OFF dry contact via PCC 1A**
- **Long installation length:** Up to 75 m

+ FOR ENERGY COST SAVINGS

Reduce your bills

- **Consumption monitoring & ECO mode:** The wired remote control is your go-to tool
- **Very high-performance range**

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHZ1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Adjustable input/output contact connections
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 HP)

Utopia Prime ducted RPIH

Models	Unit	R32 REFRIGERANT 10.0 kW 4 hp	R32 REFRIGERANT 12.5 kW 5 hp	R32 REFRIGERANT 14.0 kW 6 hp	R410A REFRIGERANT 10.0 kW 4 hp	R410A REFRIGERANT 12.5 kW 5 hp	R410A REFRIGERANT 14.0 kW 6 hp
Performance, cooling							
Nominal power input (+35°C outside / 27°C water)	kW	10.00 (11.20)	12.50 (14.00)	14.00 (14.00)	10.00 (11.20)	12.50 (14.00)	12,50 (14,00 (V) - 16,00)
Nominal absorbed capacity	kW	2.56	3.38	4.38	2.86	3.78	4.91
EER	-	3.73	3.37	3.09 [4]	3.33	3.01	2.81 [4]
Energy class (D to A+++)	-	A++		-	A++		-
Cold states	%	-	**279.4 (V) - 268.6**	**289.0 (V) - 285.0** [4]	-	**267.8 (V) – 257.8**	**276.6 (V) - 273.0** [4]
SEER (average climate)	-	**7.18(V) - 6.84**	7.18(V) - 6.79	7.30 (V) - 7.20 [4]	**6.90(V) - 6.60**	**6.77(V) - 6.52**	6.99(V) - 6.90 [4]
Operating range [1]	°C	-15°C/+46°C (DB)			-15°C/+46°C (DB)		
Performance, heating							
Nominal power input (+5°C outside / 20°C water)	kW	10.00 (13.77)	12.50 (17.81)	14.00 (19.75)	10.00 (13.77)	12.50 (17.81)	14.00 (19.75)
Nominal absorbed capacity	kW	2.65	3.52	3.64	2.60	3.52	3.64
Capacity at -10°C (Pdesign)	kW	8.70	11.93	14.20 [4]	8.70	11.93	14.20 [4]
COP	-	3.73	3.52	4.40 [4]	3.79	3.52	4.40 [4]
Energy class (D to A+++)	-	A+		-	A+	A	-
Hot States	%	-	**171.4**	**186.2** [4]	-	**170.6**	**185.0 (V) - 185.4** [4]
SCOP (average climate)	-	**4.38**	4.36	4.73 [4]	**4.44**	4.34	3.52 [4]
Operating range	°C	-20°C/+18°C (WB)			-20°C/+18°C (WB)		
indoor units, ducted	**Unit**	**RPIH-4.0FSR1E**	**RPIH-5.0FSR1E**	**RPIH-6.0FSR1E**	**RPIH-4.0FSR1E**	**RPIH-5.0FSR1E**	**RPIH-6.0FSR1E**
Sound pressure in Cooling mode (low/medium/high speed) [2]	dB(A)	35/38/39	36/38/40	36/38/40	35/38/39	36/38/40	36/38/40
Sound power	dB(A)	62	64	64	62	64	64
Airflow in Cooling mode (low/medium/high speed)	m³/h	2100/2280/2340	2160/2280/2400		2100/2280/2340	2160/2280/2400	
Static pressure (min. - max.) (SP00) [5]	Pa	155 (0~200)			155 (0~200)		
Condensate pump included	-	yes			yes		
Maximum height for condensation extraction	mm	850			850		
Dimensions (HxLxD)	mm	340 x 1474 x 600			340 x 1474 x 600		
Weight	kg	44			44		
Cooling pipe diameter (Liq - Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)			9.52 (3/8) - 15.88 (5/8)		
Condensate pipe diameter (out)	mm	32			32		
Power supply	-	1~ 230V 50 Hz			1~ 230V 50 Hz		
Cable section [3]	mm²	3 x 2.5			3 x 2.5		
Maximum current	A	5			5		
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E			PC-ARFG2-E(B) / PC-ARC-E		
Outdoor units	**Unit**	**RAS-4H(V)RC2E**	**RAS-5H(V)RC2E**	**RAS-6H(V)RC2E**	**RAS-4H(V)NC2E**	**RAS-5H(V)NC2E**	**RAS-6H(V)NC2E**
Sound pressure in Cooling mode (Night mode) [2]	dB(A)	54 (51)		56 (51)	54 (51)		56 (51)
Sound power	dB(A)	70		71	70		71
Airflow (Cooling/Heating)	m³/h	4800			4800		
Dimensions (HxLxD)	mm	1140 x 950 x 370			1140 x 950 x 370		
Net weight	kg	84 (V) - 86			84 (V) - 86		
Compressor	-	Inverter DC rotary unit			Inverter DC rotary unit		
Cooling properties							
Diameter of pipes (Liq - Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)			9.52 (3/8) - 15.88 (5/8)		
Initial refrigerant fill	kg	3.0			3.2		
Preloaded for	m	20			20		
Minimum length	m	5			5		
Maximum length/Added refrigerant	m / g/m	75 / 45			75 / 60		
Max. drop (outdoor unit top/bottom)	m	30 / 20			30 / 20		
Refrigerant	-	R32			R410A		
Electrical features, outdoor unit							
Power supply - Single-phase (Three-phase)	-	1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T			1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T		
Maximum current	A	22.5 (V) - 15			22.5 (V) - 15		
Cable section [3]	mm²	3 x 6,00 (V) - 5 x 4,00			3 x 6,00 (V) - 5 x 4,00		
Indoor/outdoor connection (protected)	mm²	2 x 0.75			2 x 0.75		

[1] To ensure a cooling mode at -15°C, this option must be activated.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[4] Based on a combination of 2xRPI and Utopia Prime outdoor unit.
[5] SP: external static pressure (defined with the optional function "C5" on the remote control: 00: standard, 01: external static high pressure, 02: external static low-pressure).
* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
(V) Single-phase version.

Retail price per unit excluding taxes

Indoor unit		**RPIH-4.0FSR1E**	**RPIH-5.0FSR1E**	**RPIH-6.0FSR1E**	**RPIH-4.0FSR1E**	**RPIH-5.0FSR1E**	**RPIH-6.0FSR1E**
Outdoor unit	**Single-phase**	**RAS-4HVRC2E**	**RAS-5HVRC2E**	**RAS-6HVRC2E**	**RAS-4HVNC2E**	**RAS-5HVNC2E**	**RAS-6HVNC2E**
	Three-phase	**RAS-4HRC2E**	**RAS-5HRC2E**	**RAS-6HRC2E**	**RAS-4HNC2E**	**RAS-5HNC2E**	**RAS-6HNC2E**
Wired remote control PC-ARFG2-E(B)							
Price for whole set Indoor unit + remote control + outdoor unit	**Single-phase**						
	Three-phase						

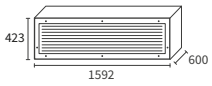
IVX Comfort ducted

EXCLUSIVE TO HITACHI

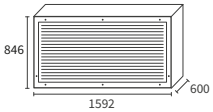
High pressure or High capacity 20 to 50 kW (R410A), Single-split



Indoor units



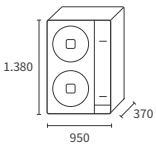
RPI 8.0FSN3E(-f)
RPI 10.0FSN3E(-f)



RPI-16.0FSN3PE
RPI-20.0FSN3PE

Outdoor units

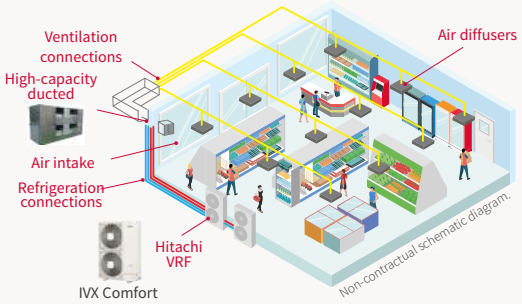




RAS-8HNCE
RAS-10HNCE

POSSIBILITIES

- **The non-flammable insulating material is certificated with a grade of Flammability Class "B s3 d1"** (based on European standard EN 13501-1+1: 2009)
- **Ideal for replacing old rooftop units**
- **Long installation length:** Up to 100 m



CONTROL

- **Compatible with GTB Modbus, KNX, BACnet** (via gateway)
- **Dry contact** ON/OFF and standard alarm output

POWER

- **Only 1 ducted** for 50 kW delivered
- **220 Pa** of static pressure available

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHZ1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Adjustable input/output contact connections
Model: **PCC 1A**

IVX Comfort ducted

R410A REFRIGERANT

Models	Unit	20 kW 8 hp	25 kW 10 hp	40 kW 16 hp	50 kW 20 hp
Performance, cooling					
Nominal power (min. - max.)	kW	20.00(8.00- 22.40)	25.00(10.00- 28.00)	40.00(16.00- 44.80)	50.00(20.00- 56.00)
Nominal power consumption (per unit)	kW	5.95	8.28	5.95	8.28
EER	-	3.36	3.02	3.36	3.02
Cold states	%	**268.6**	**261.4**	**268.6**	**261.4**
SEER (average climate)	-	6.79	6.61	6.79	6.61
Operating range [1]	-	(OPT -15°C) -5°C/46°C (DB)			
Performance, heating					
Nominal power (min. - max.)	kW	20.00(6.30- 28.00)	25.00(8.00- 35.00)	40.00(12.60- 56.00)	50.00(16.00- 70.00)
Nominal power consumption (per unit)	kW	5.88	7.71	5.88	7.71
COP	-	3.81	3.63	3.81	3.63
Hot States	%	**164.4**	**148.6**	**164.6**	**148.6**
SCOP (average climate)	-	4.19	3.79	4.19	3.79
Operating range	-	-20°C/18°C (WB)			

Indoor units	Unit	RPI 8.0FSN3E(-F)*	RPI 10.0FSN3E(-F)*	RPI-16.0FSN3PE(-F)*	RPI-20.0FSN3PE(-F)*
Sound pressure in Cooling mode (low/medium/high speed) [2]	dB(A)	51/54/54	52/55/55	53 / 56 / 56	54 / - / 57
Sound power	dB(A)	77	78	79	80
Airflow in Cooling mode (low/medium/high speed)	m^3/h	3570/3960/3960	4056/4500/4500	7200/7920/7920	8220/-/9000
Nom. static pressure (min. - max.)	Pa	180 (140-220)			
Dehumidification	l/h	7.70	8.80	15.00	17.00
Condensate pump	-	no			
Cooling pipe diameter (Liq - Gas) [3]	inches	3/8 - 3/4	3/8 - 7/8	3/8 - 3/4	3/8 - 7/8
Condensate pipe diameter (out)	mm	25			
Dimensions (HxLxD)	mm	423 x 1592 x 600		846 x 1592 x 600	
Weight	kg	85	87	171	175
Power supply	-	1~ 230V 50 Hz			
Cable section [4]	mm^2	3 x 2.50			
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E			

Outdoor units	Unit	RAS-8HNCE	RAS-10HNCE	2x RAS-8HNCE	2x RAS-10HNCE
Technical characteristics					
Airflow (cooling)	m^3/h	7620	8040	7620	8040
Sound pressure in Cooling mode (Night mode)[1]	dB(A)	57 (55)	58 (56)	57 (55)	58 (56)
Sound power	dB(A)	76			
Net weight	kg	133	138	133	138
Dimensions (HxLxD)	mm	1380 x 950 x 370			
Compressor	-	SCROLL Inverter			
Cooling properties					
Maximum length/Added refrigerant	m / g/m	100/to be calculated according to technical documentation			
Initial refrigerant fill	kg	5.7	6.2	5,7 per outdoor unit	6,2 per outdoor unit
Preloaded for	m	to be calculated according to the technical documentation			
Max. drop (outdoor unit above/below)	m	30 / 20			
Diameter of pipework (Liq - Gas) [3]	inches	3/8 - 1	1/2 - 1	3/8 - 1	1/2 - 1
Refrigerant	-	R410A			
Electrical features, outdoor unit					
Power supply	-	3~ 400V 50 Hz + N + T			
Maximum current	A	24			
Cable section [4]	mm^2	5 x 6.00			
Indoor/outdoor connection (protected)[5]	mm^2	2 x 0.75			

[1] To ensure cooling mode at -15°C, the "cooling only" and "master-slave" switch settings must be activated..
[2] Sound pressure is measured under the following conditions: at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] When the length exceeds 70 m, the diameter of the liquid tube must be 1/2.
[4] The information provided is for informational purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[5] Shielding to be replaced every 300 m.
(V) Single-phase version.

Retail price per unit excluding taxes

Indoor unit		RPI 8.0FSN3E	RPI 10.0FSN3E	RPI-16.0FSN3PE	RPI-20.0FSN3PE
Outdoor unit	Three-phase	RAS-8HNCE	RAS-10HNCE	2 x RAS-8HNCE	2 x RAS-10HNCE
Wired remote control PC-ARFG2-E(B)					
Price for whole set **Indoor unit + remote control + outdoor unit**					

Plenums

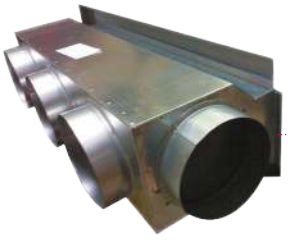
Hitachi range of plenums

airHome Ducted & airHome Ducted Slim plenums (single/multi-splits & airHome Triple C)

References	2 outputs	3 outputs	4 outputs	2 Replays	3 Replays
RAD-DJ18QHAE	2 x 200 (PIM1SOURADNH)	-	-	2 x 200 (PIM1REPRADNH) + filter door (PIM1REPRADNHF)	-
RAD-25RPE/RAD-DJ25QHAE		3 x 200 (PORAD35DJ)			
RAD-35RPE/RAD-DJ35QHAE					3 x 200 (PIRAD35DJ)
RAD-DJ50QHAE	-	3 x 200 (PIM1SOURADDH)	4 x 200 (PO4RAD5070DJ)	2 x 200 (PIM1REPRADDH)	3 x 200 (PIRAD5070DJ)
RAD-DJ60QHAE					
RAD-DJ70QHAE					

References	2 outputs	3 outputs	4 outputs	2 Replays	3 Replays
RAD-VJ18QHAE	2 x 200 (PORAD1825VJ)	-	-	2 x 200 (PIRAD1825VJ)	-
RAD-VJ25RHAE					
RAD-VJ35RHAE	2 x 200 (PORAD35VJ)	3 x 200 (PO3RAD35VJ)	-	2 x 200 (PIRAD35VJ)	3 x 200 (PI3RAD35VJ)
RAD-VJ50RHAE	-	3 x 200 (PORAD5070VJ)	4 x 200 (PO4RAD5070VJ)	-	3 x 200 (PIRAD5070VJ)
RAD-VJ60RHAE					
RAD-VJ70RHAE					

RPI ducted plenums



Access to the filter in the ducted unit without removing the plenum
Example: 5 outlet plenums: 3Ø200+2Ø200 sides

Part number	Blowing	Intake
RPI-2.0FSR1E	PO-750X240 (3x200)	PI-750X240 (3x200) PIFA-750X240 (3x200 with filter access)
RPI-2.5FSR1E	PO-1084X240 (5x200)	PI-1084X240 (3x200) PIFA-1084X240 (3x200 with filter access)
RPI-3.0FSR1E		
RPI-4.0FSR1E	PO-1474X240 (5x200)	PI-1474X240 (4x200) PIFA-1474X240 (4x200 with filter access)
RPI-5.0FSR1E		
RPI-6.0 FSR1E		

Detailed dimensions of RPI plenums and ducts:

▶ bit.ly/fiche-plenum-rpi

Range of multizone plenums

airHome Ducted & airHome Ducted Slim plenums

AIRZONE products are available through our dealer network or from an AIRZONE distributor.

	2 outputs		3 outputs			4 outputs			5 outputs		6 outputs		
Part number	Standard	Medium	Standard	Medium	Slim	Standard	Medium	Slim	Standard	Medium	Standard	Medium	Intake
RAD-DJ18QHAE	AZC25HIT ST04S2	AZC25HIT BS04S2	AZC25HIT ST04S3	AZC25HIT BS04S3	-	AZC25HIT ST04S4	AZC25HIT BS04S4	-	-	-	-	-	AZCEZHIPR04S
RAD-25RPE/RAD-DJ25QHAE													
RAD-35RPE/RAD-DJ35QHAE													
RAD-DJ50QHAE	AZC25HIT ST03M2	AZC25HIT BS03M2	AZC25HIT ST03M3	AZC25HIT BS03M3	-	AZC25HIT ST03M4	AZC25HIT BS03M4	-	AZC25HIT ST03M5	AZC25HIT BS03M5	AZC25HIT ST03M6	AZC25HIT BS03M6	AZCEZHIPR03M
RAD-DJ60QHAE													
RAD-DJ70QHAE													

	2 outputs		3 outputs			4 outputs			5 outputs		6 outputs		
Part number	Standard	Medium	Standard	Medium	Slim	Standard	Medium	Slim	Standard	Medium	Standard	Medium	Intake
RAD-VJ18QHAE	-	AZC25HIT BS13XS2	-	AZC25HIT BS13XS3	-	-	-	-	-	-	-	-	-
RAD-VJ25RHAE													
RAD-VJ35RHAE	-	AZC25HIT BS13S2	-	AZC25HIT BS13S3	AZC25HIT SL12M3	-	AZC25HIT BS13S4	AZC25HIT SL12M4	-	-	-	-	-
RAD-VJ50RHAE	-	-	AZC25HIT ST13M3	-	-	AZC25HIT ST13M4	-	-	AZC25HIT ST13M5	-	AZC25HIT ST13M6	-	-
RAD-VJ60RHAE													
RAD-VJ70RHAE													

RPI ducted plenums

AIRZONE products are available through our dealer network or from an AIRZONE distributor.

	3 outputs		4 outputs		5 outputs		6 outputs		
Part number	Standard	Medium	Standard	Medium	Standard	Medium	Standard	Medium	Intake
RPI-2.0 FSR1E	AZEZ8HIT ST08S3	AZEZ8HIT BS08S3	AZEZ8HIT ST08S4	AZEZ8HIT BS08S4	AZEZ8HIT ST08S5	AZEZ8HIT BS08S5	-	-	-
RPI-2.5FSR1E	AZEZ8HIT ST08M3	AZEZ8HIT BS08M3	AZEZ8HIT ST08M4	AZEZ8HIT BS08M4	AZEZ8HIT ST08M5	AZEZ8HIT BS08M5	AZEZ8HIT ST08M6	AZEZ8HIT BS08M6	AZCEZHIPR08M
RPI-3.0FSR1E									
RPI-4.0FSR1E	-	-	-	-	AZEZ8HIT ST08L5	AZEZ8HIT BS08L5	AZEZ8HIT ST08L6	AZEZ8HIT BS08L6	AZCEZHIPR08L
RPI-5.0FSR1E									
RPI-6.0FSR1E									

Primairy ducted plenums

For detailed information on the compatibility between our PRIMAIRY range and AIRZONE solutions, please contact our partner AIRZONE directly, who will be able to provide you with all the necessary technical information.
For purchases of AIRZONE plenums or accessories, please contact our dealer network or an AIRZONE distributor.



Quick selection table

		airHome Cassette	Cassette Utopia Prime RCIM	Primairy cassette	Cassette Utopia Prime RCI	
						
		R32	R32	R32	R32	R410A
Application		Residential New Commercial (<100 m²)	Small public (<100 m²)	Public (<150 m²) Retail & Commerce	Public (<150 m²) Retail & Commerce	
Positioning of range		Low power ratings	Small Premium Powers	Entry-level range	Premium	
Compatibility		**Single-splits and Multi-splits**	**Single-split**	**Single-split and unit control**	**Single-split, TWIN, TRIPLE and QUADRI**	
Dimension (mm)		600 x 600	600 x 600	800 x 800	800 x 800	
ICONIC panel		-	-	-	●	
Unique Hitachi features (CrowSense, FloorSense, FeetWarm, etc.)		-	-	-	●	
Extreme outdoor temperature in heating mode		-15°C	-20°C	-15°C	-20°C	
Max. length of pipework		30 m	75 m	50 m	75 m	
airCloud Tap (on indoor unit)		-	●	-	●	
Compatible with airCloud Pro		● Using a PSC-6RAD*	●	● Using a HCAA03NEWI	●	
Compatible CSNET Manager		● Using a PSC-6RAD	●	● Using a HCAA03NEWI	●	
Compatible with GTB (Modbus, KNX, BACnet)		● Using a PSC-6RAD	●	● Using a HCAA03NEWI	●	
Capacities						
1 hp	2.5 kW	●	-	-	-	-
1.5 hp	3.5 kW	●	-	-	-	-
2 hp	5.0 kW	●	●	-	●	-
2.5 hp	6.0 kW	●	●	-	●	-
3 hp	7.0 kW	-	-	●	●	-
3.5 hp	8.5 kW	-	-	●	-	-
4 hp	10.0 kW	-	-	●	●	●
4 hp (three-phase)	10.0 kW	-	-	-	●	●
5 hp	12.5 kW	-	-	●	●	●
5 hp (three-phase)	12.5 kW	-	-	●	●	●
6 hp	14.0 kW	-	-	●	●	●
6 hp (three-phase)	14.0 kW	-	-	●	●	●
6.5 hp (three-phase)	17.0 kW	-	-	●	-	-

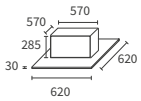
*Units in this range must be combined with a heat pump system to work with the airCloud Pro app.

air Home Cassette

600 x 600
2.5 to 6.0 kW (R32), Single-split and Multi-splits



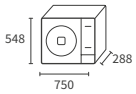
Indoor units



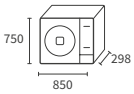
RAI-VJ25RHAE
RAI-VJ35RHAE
RAI-VJ50RHAE
RAI-VJ60RHAE

Outdoor units





RAC-VJ25NHAE
RAC-VJ35NHAE



RAC-VJ50NHAE
RAC-VJ60NHAE

Compatible controls and accessories

Infrared controls and connectivity



Remote control kit + infrared receiver
Model: **SPX-RKC800**



airCloud Go gateway
Model: **SPX-WFG03**

Wired controls, H-Link & GTB



Programmable wired remote control (color screen)
Model: **SPX-URFG1**



Simplified wired remote control
Model: **SPX-RCDB1**



1-1 Modbus gateway
Model: **AZAI6WSCHT2**



H-Link box
Model: **PSC-6RAD**



1-1 KNX gateway
Model: **AZAI6KNXHT2**



Multi-indoor unit control box
Model: **SPX-DST1**
+ Model: **SPX-WDST8M**

5 m shielded standard cable
Model: **SPX-WKT5MS**

5 m extension cable for wired remote controls (max. 2 extension cables)
Model: **SPX-WKT5M**

External controls

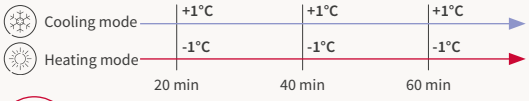
Dry contact ON/OFF cable
Model: **SPX-WDC3**

Error reporting interface + operating status
Model: **SPX-WDC8**

+ FOR ENERGY COST SAVINGS

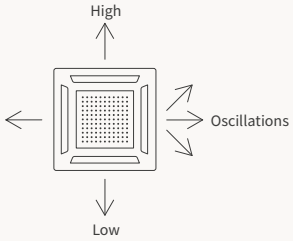
Motion sensor

Detects the presence of people in the room and adjusts the power and temperature.



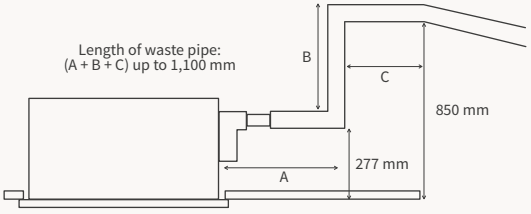
+ FOR CONTROL

Individual control of the blades



+ FOR EASE OF INSTALLATION

Condensate pump included



airHome Cassette

Models	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW
Performance, cooling					
Nominal power (min. - max.)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.80)	6.00 (1.90 - 6.50)
Nominal power consumption (min. - max.)	kW	0.60 (0.25 - 1.29)	0.88 (0.25 - 1.46)	1.42 (0.50 - 3.05)	1.79 (0.50 - 3.05)
EER	-	4.20	4.00	3.51	3.35
Energy class (D to A+++)	-	A++			
SEER (average climate)	-	**6.20**	**6.50**	**6.90**	**6.20**
Operating range	°C	-10°C/+46°C		-15°C/+46°C	
Performance, heating					
Nominal power (min. - max.)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.90 - 6.80)	6.40 (1.90 - 7.50)
Nominal power consumption (min. - max.)	kW	0.88 (0.25 - 1.50)	1.20 (0.25 - 1.92)	1.61 (0.50 - 3.05)	1.71 (0.50 - 3.05)
Full load capacity at -7°C without defrosting [1]	kW	3.10	3.60	4.80	5.50
Full load capacity at -7°C with defrosting [1]	kW	2.70	3.35	4.20	4.80
COP	-	4.00		3.72	3.75
Energy class (D to A+++)	-	A+			
SCOP (average climate)	-	**4.30**		**4.10**	**4.20**
Operating range	°C	-15°C/+24°C			
Indoor units	**Unit**	**RAI-VJ25RHAE**	**RAI-VJ35RHAE**	**RAI-VJ50RHAE**	**RAI-VJ60RHAE**
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) [2]	dB(A)	27/31/34/36/38	27/33/36/38/40	29/35/39/43/44	29/35/39/44/45
Sound pressure in Heating mode (very low/low/medium/high/very high speed) [2]	dB(A)	27/32/34/36/38	27/34/37/39/41	30/36/40/45/47	30/36/42/45/47
Sound pressure in Cooling mode	dB(A)	51	54	56	58
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	330/420/460/500/540	330/420/490/540/600	430/550/640/730/780	430/600/700/860/910
Airflow in Cooling mode (very low/low/medium/high speed)	m^3/h	420/530/570/620/680	420/530/630/690/750	403/600/690/860/900	403/645/802/908/953
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (HxLxD)	mm	285 x 570 x 570			
Panel dimensions (HxLxD)	mm	30 x 620 x 620			
Net weight of box	kg	17.0			
Panel net weight	kg	2.8			
Panel reference	-	P-AP56NAMS			
Condensate pump	-	Included			
Wired remote control	-	SPX-URFG1			
Outdoor units	**Unit**	**RAC-VJ25NHAE**	**RAC-VJ35NHAE**	**RAC-VJ50NHAE**	**RAC-VJ60NHAE**
Sound pressure in Cooling mode [2]	dB(A)	48		53	
Sound pressure Heating[2]	dB(A)	48	49	54	
Sound power	dB(A)	61		65	
Airflow (Cooling/Heating)	m^3/h	1920 / 1920		2700 / 2700	
Dimensions (HxLxD)	mm	548 x 750 (841) [3] x 288		750 x 850 (956) [3] x 298	
Net weight	kg	31.6		47.0	
Compressor	-	Rotary			
Cooling properties					
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"	
Condensate pipe diameter (out)	mm	32			
Initial refrigerant fill	kg	0.86		1.30	
Preloaded for	m	20		30	
Minimum length	m	3			
Max. length	m	20		30	
Max. drop (outdoor unit top/bottom)	m	10 / 10		20 / 20	
Refrigerant	-	R32			
Electrical features					
Power supply	V/Ph/Hz	230V/1Ph/50 Hz			
Maximum current	A	15		20	
Cable section	mm^2	2.50 x 2 + GROUND			
Indoor/outdoor connection (protected)	mm^2	1.50 x 3 + GROUND			

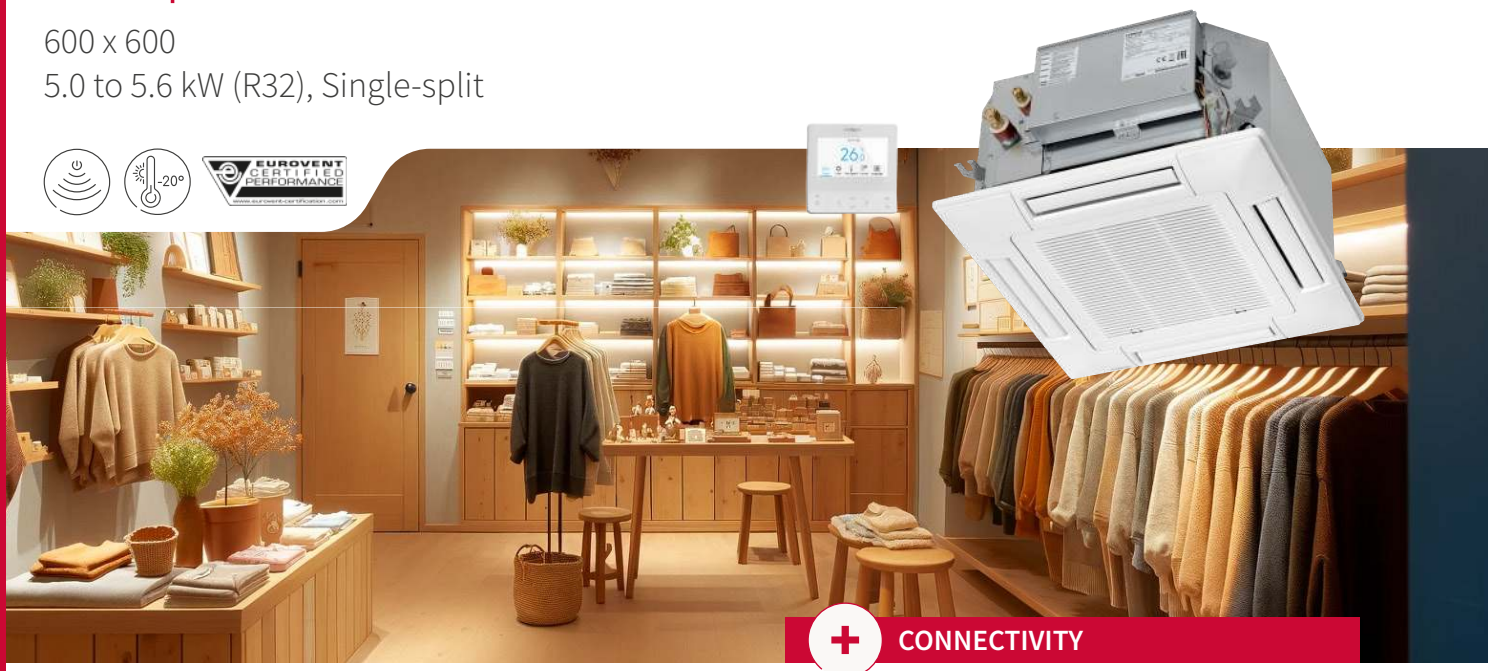
[1] To find the data corresponding to your project, use our technical catalogs.
[2] Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).
[3] Dimensions with refrigeration connection.

Retail price per unit excluding taxes

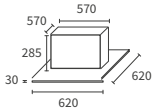
Indoor unit (Remote control not included)	**RAI-VJ25RHAE**	**RAI-VJ35RHAE**	**RAI-VJ50RHAE**	**RAI-VJ60RHAE**
Cassette panel	**P-AP56NAMS**	**P-AP56NAMS**	**P-AP56NAMS**	**P-AP56NAMS**
Outdoor unit	**RAC-VJ25NHAE**	**RAC-VJ35NHAE**	**RAC-VJ50NHAE**	**RAC-VJ60NHAE**
Wired remote control SPX-URFG1				
Price of entire system Indoor unit + panel + outdoor unit + wired remote control				

Utopia Prime RCIM cassette

600 x 600
5.0 to 5.6 kW (R32), Single-split



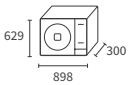
Indoor units



RCIM-2.0FSRE
RCIM-2.5FSRE

Outdoor units





RAS-2HVRC3
RAS-2.5HVRC3

+ CONNECTIVITY

airCloud Pro

- **Remote control**
- **Multi-site management**



+ FOR EASE OF INSTALLATION

Save time

- **Perfect integration** in false ceilings
- **Integrated condensate pump:** 850 mm
- **Control and programming** with airCloud Tap (requires remote control PC-ARFG2-E(B))
- **Long installation length:** Up to 50 m

+ FOR ENERGY COST SAVINGS

Reduce your bills

- **Motion sensor (optional):** Optimize the function of the unit without reducing its comfort level
- **Consumption monitoring & ECO mode:** The wired remote control is your tool for simplicity.

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHC1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor air quality



Fresh air kit
Model: **PD-75C**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-NEC**



Adjustable input/output contact connections
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-12L**
(2/2.5 hp)

Utopia Prime RCIM R32 cassette

		R32 REFRIGERANT	
Models	**Unit**	**5 kW 2 hp**	**5.6 kW 2.5 hp**
Performance, cooling			
Nominal power (max to +35°C ext / 27°C int)	kW	5.00 (5.60)	5.60 (6.30)
Nominal absorbed capacity	kW	1.37	1.50
EER	-	3.64	3.73
Energy class (D to A+++)	-	A++	
States	%	259.80	269.80
SEER (average climate)	-	**6.57**	**6.82**
Operating range [3]	°C	-15°C/+50°C (DB)	
Performance, heating			
Nominal power (max to +5°C ext / 20°C int)	kW	5.00 (6.97)	5.60 (7.85)
Nominal absorbed capacity	kW	1.30	1.51
Eurovent powert to -7°C (max to -10°C ext /20°C int) [4]	kW	4.40 (5.40)	4.57 (6.08)
COP	-	3.85	3.71
Energy class (D to A+++)	-	A	
States	%	143.80	144.60
SCOP (average climate)	-	**3.81**	**3.86**
Operating range	°C	-20°C/+15°C (WB)	
Indoor units	**Unit**	**RCIM-2.0FSRE**	**RCIM-2.5FSRE**
Sound pressure in Cooling mode (pressure) (low/ medium/high speed1/high speed2) [2]	dB(A)	31/35/39/45	35/39/43/47
Sound power	dB(A)	56	60
Airflow in Cooling mode (Low/medium/high speed1/ high speed2)	m^3/h	480/600/720/900	600/720/840/960
Condensate pump included	-	yes	
Max. elevation	mm	850	
Box dimensions (HxLxD)	mm	285 x 570 x 570	
Panel dimensions (HxLxD)	mm	30 x 620 x 620	
Net weight of the box + panel	kg	17 + 2.50	
Cooling pipe diameter (Liq - Gas)	inches	1/4 - 1/2	3/8 - 5/8
Condensate pipe diameter (out)	mm	32	
Power supply	-	1~ 230V 50 Hz	
Cable section [1]	mm^2	3 x 1.5	
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E	
Outdoor units	**Unit**	**RAS-2HVRC3**	**RAS-2.5HVRC3**
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	45 (42)	45 (43)
Sound power	dB(A)	65	
Airflow (Cooling/Heating)	m^3/h	2754	
Dimensions (HxLxD)	mm	629 x 898 x 300	
Net weight	kg	40	
Compressor	-	Inverter DC rotary unit	
Cooling properties			
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2	
Initial refrigerant fill	kg	1.3	
Preloaded for	m	30	
Minimum length	m	5	
Maximum length/Added refrigerant	m / g/m	50 / 24	
Max. drop (outdoor unit top/bottom)	m	30 / 20	
Refrigerant	-	R32	
Electrical features			
Single-phase (Three-phase) power supply	-	1~ 230V 50 Hz + N + T	
Maximum current	A	12.5	
Cable section [1]	mm^2	3 x 2.50	
Indoor/outdoor connection (protected)	mm^2	2 x 0.75	

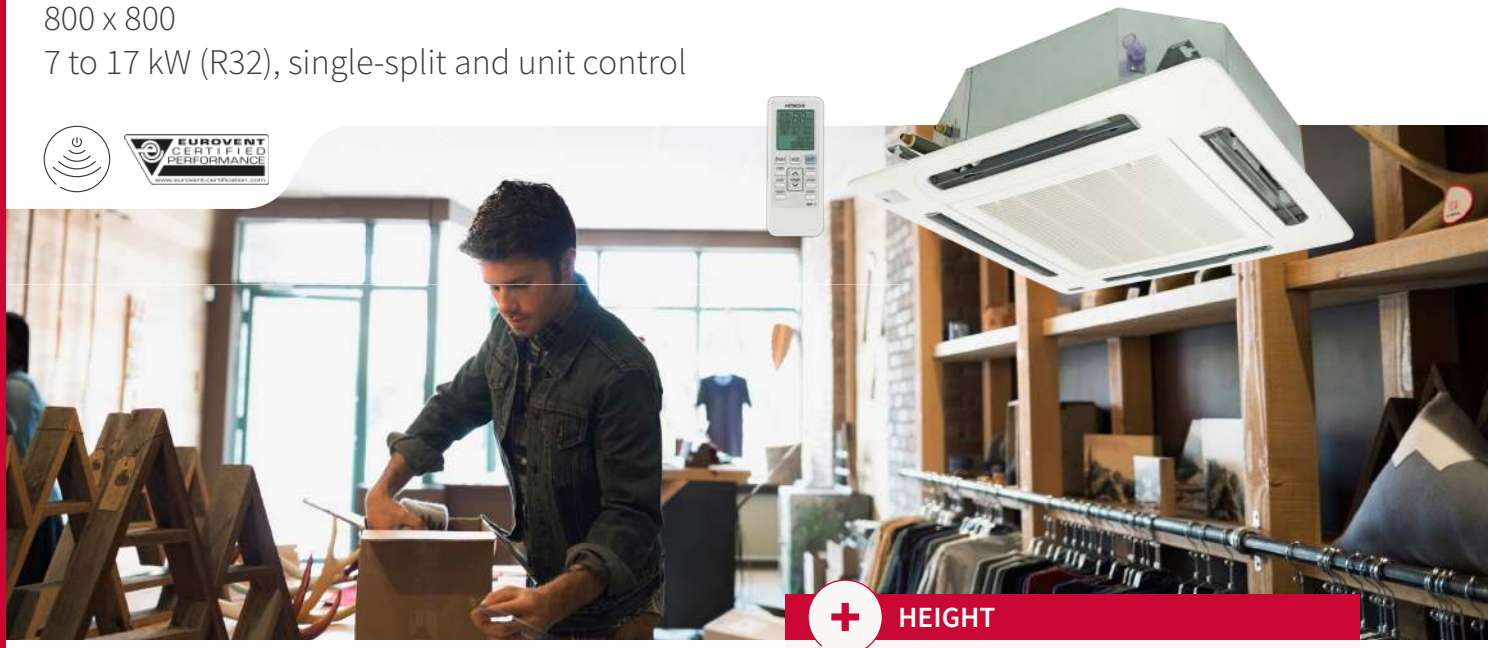
[1] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] To ensure a cooling mode at -15°C, this option must be activated.
[4] Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
(V) Single-phase version.

Retail price per unit excluding taxes

Indoor unit		**RCIM-2.0FSRE**	**RCIM-2.5FSRE**
Standard cassette panel 600 x 600		**P AP56NAM**	
Outdoor unit	**Single-phase**	**RAS-2HVRC3**	**RAS-2.5HVRC3**
Wired remote control PC-ARFG2-E(B)			
Price for whole set Indoor unit + remote control + standard panel + outdoor unit	**Single-phase**		

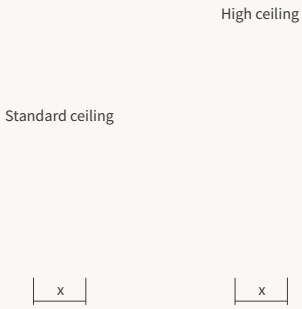
Primairy cassette

800 x 800
7 to 17 kW (R32), single-split and unit control



HEIGHT

- **High ceiling mode:** Combat stratification for maximum comfort



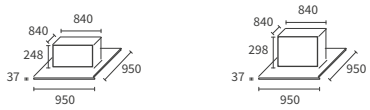
SIMPLICITY

- **Standard ON/OFF dry contact**
- **Standard new air inlet**
- **Compatible with Modbus, KNX, BACnet** (optional)

FOR ENERGY COST SAVINGS

- **Weekly programming:** Optimize the unit's operation without compromising comfort.
- **Function setback:** Ideal for creating night-time reductions in summer or winter.

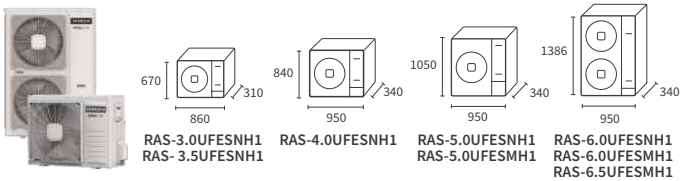
Indoor units



RCI-3.0UFE1NH
RCI-3.5UFE1NH
RCI-4.0UFE1NH

RCI-5.0UFE1NH
RCI-6.0UFE1NH
RCI-6.5UFE1NH

Outdoor units



RAS-3.0UFESNH1
RAS- 3.5UFESNH1

RAS-4.0UFESNH1

RAS-5.0UFESNH1
RAS-5.0UFESMH1

RAS-6.0UFESNH1
RAS-6.0UFESMH1
RAS-6.5UFESMH1

Compatible controls and accessories

Individual checks



Programmable wired remote control
Model: **HCWA21NEHH**



Infrared remote control
Model: **HRBB31NEGH**
Included

GTB & Group Controls



KNX (1-1) gateway
Model: **AZAI6KNXHT3**



Modbus/BACnet (1-1) gateway,
Multi-function gateway (1 of your choice): Unit control / Modbus / BACnet
Model: **GH-64MFGN**

The PRIMAIRY range is also compatible with the centralized GTB gateways of the heat pump range via the H-LINK HCAA03NEWI interface.

H-Link solution



H-Link gateway
Model: **HCAA03NEWI**



Remote control panel
Model: **PSC-A32MN**

+



or CSNET MANAGER



airCloud Pro
Model: **HC-IOTGW**

Primairy cassette

R32 REFRIGERANT

Models	Unit	6.9kW 3 Hp	8.5kW 3.5 Hp	10.1kW 4 Hp	12,7kW 5 hp	14kW 6 Hp	12.1kW 5 Hp	13.9kW 6 Hp	16.9kW 6.5 Hp
Performance, cooling									
Nominal power (min. - max.)[1]	kW	7.00 (2.45 - 7.85)	8.70 (4.00 - 9.50)	10.10 (3.50 - 11.00)	12.70 (3.30 - 13.20)	14.00 (3.40 - 16.20)	12.10 (3.30 - 13.20)	13.89 (3.40 - 16.20)	16.90 (3.30 - 18.00)
Nominal power consumption (min. - max.)	kW	1.91	2.71	3.71	4.31	4.78	4.25	4.81	6.73
EER	-	3.66	3.21	2.72	2.95	2.80	2.85	2.89	2.51
Energy class (D to A+++)	-		A++				-		
States	%		-		248	235	239	222	221
SEER (average climate)	-	6.73	6.10		6.28	5.94	6.05	5.64	5.60
Annual power consumption	kWh/year	388	511	580	705	859	757	894	883
Operating range	-				+5°C / +48°C[1]				
Performance, heating									
Nominal power (min. - max.)[1]	kW	8.25 (2.20 - 8.70)	9.00 (3.50 - 9.40)	11.20 (3.50 - 11.00)	13.30 (3.00 - 14.60)	15.80 (3.70 - 18.00)	13.50 (3.00 - 14.60)	16.53 (3.70 - 18.00)	19.49 (3.00 - 21.00)
Nominal power consumption (min. - max.)	kW	2.03	2.25	3.50	4.07	4.65	3.70	4.71	6.74
Capacity at full load at -7°C[2]	kW	4.50	5.55	6.50	8.70	10.50	8.70	10.50	11.90
COP	-	4.07	4.00	3.20	3.45	3.19	3.65	3.51	2.89
Energy class (D to A+++)	-	A+		A			-		
States	%		-		149	147	156	149	151
SCOP (average climate)	-	4.33	4.20	3.92	3.80	3.75	3.98	3.81	3.87
Annual power consumption	kWh/year	1907	2423	3018	3305	4765	3675	5086	4037
Operating range	°C				-15°C/+24°C				

Indoor units	Unit	RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Sound pressure in Cooling mode (Low/medium/ high speed)	dB(A)	37/42/45	42/46/48	42/45/50	47/49/51	42/45/51	47/49/51	42/45/51	43/45/48
Sound pressure in Cooling mode	dB(A)	59	62	65	64	65	64	65	68
Airflow in Cooling mode (Low/medium/high speed)	m^3/h	720/980/1180	900/1120/1400	1000/1300/1600	1550/1700/1850	1400/1700/2100	1550/1700/1850	1400/1700/2100	
Dehumidification	l/h				-				
Dimensions (HxLxD)	mm				298 x 840 x 840				
Panel dimensions (HxLxD)	mm				37 x 950 x 950				
Net weight of box	kg	25	27				32		
Condensate pump	-				Included				
Condensate pipe diameter (out)	mm				32				
Maximum height for condensation extraction	mm				850				
Air filter	-				Included				
Power supply	V/Ph/Hz				230V/1Ph/50 Hz				
Part number of the panel	-				PHKF160SAH1				
Remote control	-				Infrared included (HRBB31NEGH)				

Outdoor units	Unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Sound pressure in Cooling mode	dB(A)	54		58	62				67
Sound pressure in Cooling mode	dB(A)	69	70		76				80
Airflow (cooling)	m^3/h	3150		3800	5800	6300	5800	6300	
Dimensions (HxLxD)	mm	670 x 860 x 310		840 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340	
Net weight	kg	49.0		70.0	85.0	101.5	85.0	101.5	109.0
Compressor	-				Inverter rotary unit				
Cooling properties									
Diameter of pipes (Liq - Gas)	inches	3/8" - 5/8"			3/8" - 3/4"				
Initial refrigerant fill	kg/TeqCO2	1.40 / 0.95	1.45 / 0.98	2.00 / 1.35	2.50 / 1.69	3.00 / 2.03	2.50 / 1.69	3.00 / 2.03	3.40 / 2.30
Preloaded for	m				5				
Max. pipe length	m				50				
Added refrigerant	g/m				28				
Max. drop (outdoor unit top/bottom)	m				30 / 30				
Refrigerant	-				R32				
Electrical features									
Power supply	V/Ph/Hz	1~ 230V 50 Hz + N + T					3~ 230V 50 Hz + N + T		
Maximum current	A	18.1	18.0	22.5	28.2	30.0	11.6	11.6	11.6
Cable section	mm^2	3 x 2.5		3 x 4	3 x 6		5 x 2.50		
Indoor/outdoor connection (protected)	mm^2				4 x 1.5				

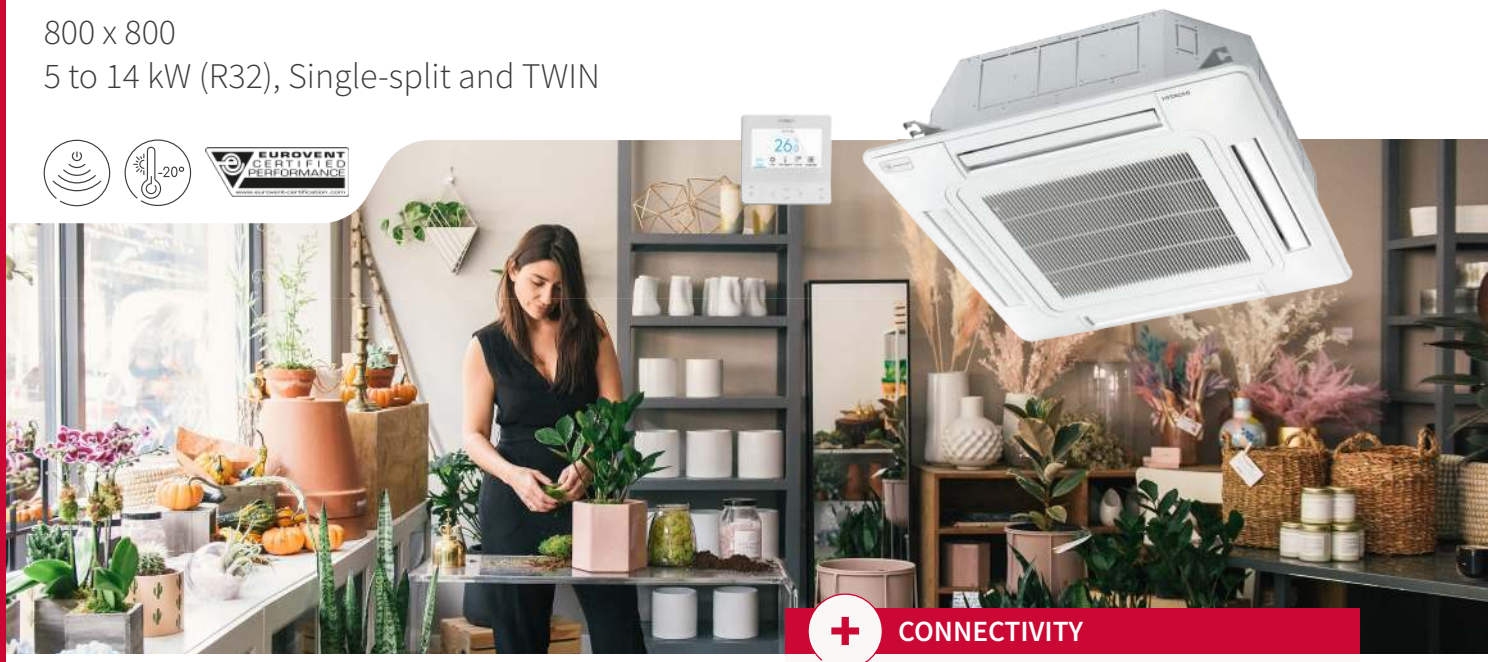
[1] The PRIMAIRY range is designed for air conditioning and comfort heating applications only.. Do not use the PRIMAIRY range for any other types of applications. For example: Server rooms, clothes drying rooms, rooms containing food processing equipment.
[2] Data includes defrosting.

Retail price per unit excluding taxes

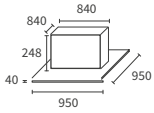
Indoor unit (Infrared remote control included HRBB31NEGH)	RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Cassette panel	PHKF160SAH1							
Outdoor unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Price of entire system Indoor unit + panel + outdoor unit								

Utopia Prime RCI R32 cassette

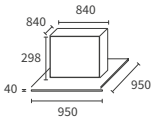
800 x 800
5 to 14 kW (R32), Single-split and TWIN



Indoor units



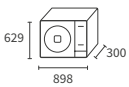
RCI-2.0FSR1
RCI-2.5FSR1



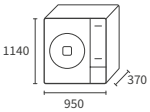
RCI-3.0FSR1
RCI-4.0FSR1
RCI-5.0FSR1
RCI-6.0FSR1

Outdoor units





RAS-2HVRC3
RAS-2.5HVRC3
RAS-3HVRC3



RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E

+ CONNECTIVITY

airCloud Pro



- **Remote control**
- **Multisite management**

airCloud Tap

- **Easy commissioning**
- **Optimized troubleshooting** (automated report of alarm history and operating parameters)

+ AIR QUALITY

Protect your customers and employees

- **Standard ion filter:** Antibacterial, anti-fine particles
- **Optional ZPT filter:** Antivirus treatment with Zinc Pyrithione, G2-rated filter (EN779-2012)

+ FOR ENERGY COST SAVINGS

Reduce your bills

- **Motion sensor (optional):** Optimize the function of the unit without reducing its comfort level
- **Consumption monitoring & ECO mode:** The wired remote control is your tool for simplicity.
- **Very high-performance range**

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHC1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor air quality



Fresh air kit
Model: **PD-75A**



ZPT antivirus filter
Model: **F-160L-ZV**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-MSK**



Adjustable input/ output contact connections
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 HP)
Model: **DBS-12L** (2/2,5/3 hp)

Utopia Prime RCI R32 cassette

R32 REFRIGERANT

Models	Unit	5kW 2 hp	5.6 kW 2.5 hp	7.1kW 3 hp	10.0kW 4 hp	12.5kW 5 hp	14.0kW 6 hp
Performance, cooling							
Nominal power input (+35°C outside / 27°C water)	kW	5.00 (5.60)	5.60 (6.30)	7.10 (8.00)	10.00 (11.20)	12.50 (14.00)	14.00 (14.00)
Nominal absorbed capacity	kW	1.19	1.31	2.26	2.70	3.71	4.29
EER	-	4.20	4.30	3.90		3.52	3.24
Energy class (D to A+++)	-	A++		A+	A++		-
States	%	293.0			294.0(V) - 262.0	**261.0(V) - 251.8**	**291.0(V) - 287.0**
SEER (average climate)	-	**7.40**	**7.53**	**7.41**	**6.93(V) - 6.62**	6.60 (V) - 6.37	7.35(V) - 7.25
Operating range [3]	°C	-15°C/+50°C (DB)			-15°C/+46°C (DB)		
Performance, heating							
Nominal power input (+5°C outside / 20°C water)	kW	5.00 (6.97)	5.60 (7.85)	7.10 (9.75)	10.00 (13.77)	12.50 (17.81)	14.00 (19.75)
Nominal absorbed capacity	kW	1.18	1.36	2.00	2.45	3.60	3.78
Eurovent power to -7°C (max. to -10°C ext /20°C int) [4]	kW	4.40 (5.40)	4.57 (6.08)	5.28 (6.40)	7.70 (10.34)	10.5 (12.13)	12.5 (13.15)
COP	-	4.23	4.12	4.40	4.23	3.98	4.40
Energy class (D to A+++)	-			A+			-
States	%	169.0	165.0		171.4	**167.4(V) - 167.0**	**186.2**
SCOP (average climate)	-	**4.08**	**4.12**	**4.20**	**4.36**	4.26 (V) - 4.25	4.73
Operating range	°C	-20°C/+15°C (WB)			-20°C/+18°C (WB)		
Indoor units	**Unit**	**RCI-2.0FSR1**	**RCI-2.5FSR1**	**RCI-3.0FSR1**	**RCI-4.0FSR1**	**RCI-5.0FSR1**	**RCI-6.0FSR1**
Sound pressure in Cooling mode (pressure) (low/ medium/high speed1/high speed2) [2]	dB(A)	27/30/32/37	28/32/36/42	27/30/32/37	33/39/43/48	35/40/45/48	37/41/46/48
Sound power	dB(A)	55	56	57	64	64	65
Airflow in Cooling mode (Low/medium/high speed1/high speed2)	m^3/h	660/840/1020/1320	840/1080/1380/1620	840/1080 / 1380 / 1620	1200/1440 / 1860 / 2220	1260/1560 / 1980 / 2220	1320/1680 / 2100 / 2220
Condensate pump included	-	yes					
Max. elevation	mm	850					
Box dimensions (HxLxD)	mm	298 x 840 x 840					
Panel dimensions (HxLxD)	mm	40 x 950 x 950					
Net weight of the box + panel	kg	21 + 6.5	22 + 6.5	26 + 6.50			
Cooling pipe diameter (Liq - Gas)	mm (inches)	6.35 (1/4) - 12.7 (1/2)	9.52 (3/8) - 15.88 (5/8)				
Condensate pipe diameter (out)	mm	32					
Power supply	-	1~ 230V 50 Hz					
Cable section [1]	mm^2	3 x 1.5		3 x 2.5			
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E					
Outdoor units	**Unit**	**RAS-2HVRC3**	**RAS-2.5HVRC3**	**RAS-3HVRC3**	**RAS-4H(V)RC2E**	**RAS-5H(V)RC2E**	**RAS-6H(V)RC2E**
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	45 (42)	45 (43)	52 (48)	54 (51)		56 (51)
Sound power	dB(A)	65		68	70		71
Airflow (Cooling/Heating)	m^3/h	2754 / 2754		2985 / 3420	4800 / 4800		
Dimensions (HxLxD)	mm	629 x 898 x 300		629 x 898 x 300	1140 x 950 x 370		
Net weight	kg	40		42	84 (V) - 86		
Compressor	-	Inverter DC rotary unit					
Cooling properties							
Diameter of pipes (Liq - Gas)	mm (inches)	6.35 (1/4) - 12.7 (1/2)		9.52 (3/8) - 15.88 (5/8)			
Initial refrigerant fill	kg	1.3		1.8	3.0		
Preloaded for	m	30			20		
Minimum length	m	5					
Maximum length/Added refrigerant	m / g/m	50 / 24		50 / 30	75 / 45		
Max. drop (outdoor unit top/bottom)	m	30 / 20					
Refrigerant	-	R32					
Electrical features							
Single-phase (Three-phase) power supply	-	1~ 230V 50 Hz + N + T			1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T		
Maximum current	A	12.5		15.8	22.5 (V) - 15		
Cable section [1]	mm^2	3 x 2.50		3 x 4.00	3 x 6,00 (V) - 5 x 4,00		
Indoor/outdoor connection (protected)	mm^2	2 x 0.75					

[1] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] To ensure a cooling mode at -15°C, this option must be activated.
[4] Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
(V) Single-phase version.

Retail price per unit excluding taxes

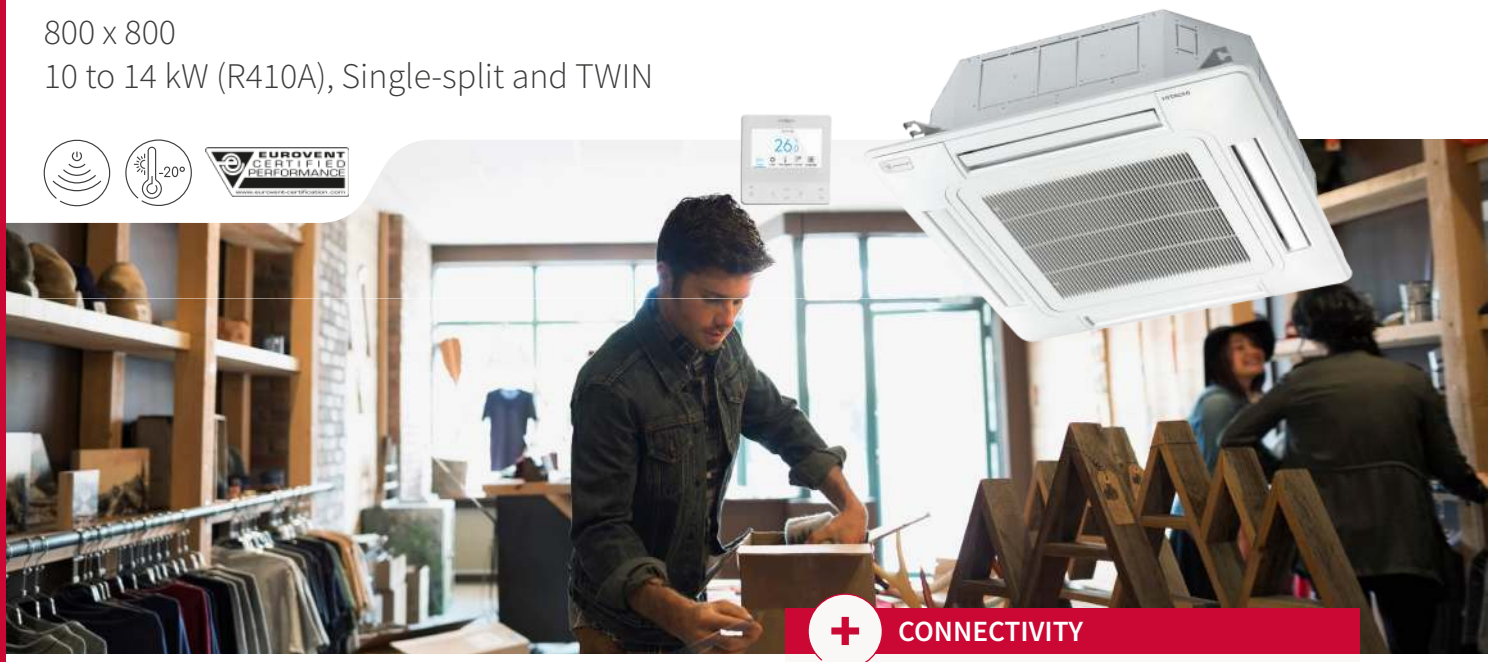
Indoor unit		**RCI-2.0FSR1**	**RCI-2.5FSR1**	**RCI-3.0FSR1**	**RCI-4.0FSR1**	**RCI-5.0FSR1**	**RCI-6.0FSR1**
Standard white panel		**P-N23NA2**					
Outdoor unit	**Single-phase**	**RAS-2HVRC3**	**RAS-2.5HVRC3**	**RAS-3HVRC3**	**RAS-4HVRC2E**	**RAS-5HVRC2E**	**RAS-6HVRC2E**
	Three-phase	-	-	-	**RAS-4HRC2E**	**RAS-5HRC2E**	**RAS-6HRC2E**
Wired remote control PC-ARFG2-E(B)							
Price for whole set Indoor unit + remote control + standard panel + outdoor unit	**Single-phase**						
	Three-phase	-	-	-			

Compatible panels

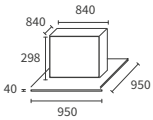
TwinSense panel	Standard panel	Silent-Iconic	Silent-Iconic	Silent-Iconic with elevator screen
White Double sensors (for motion and radiant)	White/Black	White Design unique and exclusive	Black Design unique and exclusive	White Design with removable grille
				
P-AP160NAE2	**P-N23NA2/P-AP160KA3-EU**	**P-GP160NAP-EU**	**P-GP160KAP-EU**	**P-GP160NAPU-EU**

Utopia Prime RCI R410A cassette

800 x 800
10 to 14 kW (R410A), Single-split and TWIN



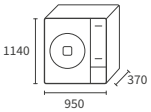
Indoor units



RCI-4.0FSR1
RCI-5.0FSR1
RCI-6.0FSR1

Outdoor units





RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

+ CONNECTIVITY

airCloud Pro

- **Remote control**
- **Multi-site management**



+ AIR QUALITY

Protect your customers and employees

- **Standard ion filter:** Antibacterial, anti-fine particles
- **Optional ZPT filter:** Antivirus treatment with Zinc Pyrithione, G2-rated filter (EN779-2012)

+ FOR ENERGY COST SAVINGS

Reduce your bills

- **Motion sensor (optional):** Optimize the function of the unit without reducing its comfort level
- **Consumption monitoring & ECO mode:** The wired remote control is your go-to tool
- **Very high-performance range**

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHC1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor air quality



Fresh air kit
Model: **PD-75A**



ZPT antivirus filter
Model: **F-160L-ZV**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-MSK**



Configurable input/ output connectors with adjustable contacts
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 HP)

Utopia Prime RCI R410A cassette

R410A REFRIGERANT

Models	Unit	10.0kW 4 hp	12.5kW 5 hp	14.0kW 6 hp
Performance, cooling				
Nominal power input (+35°C outside / 27°C water)	kW	10.00 (11.20)	12.50 (14.00)	14.00 (14.00 (V) - 16.00)
Nominal absorbed capacity	kW	2.70	3.71	4.29
EER	-	3.50	3.15	2.85
Energy class (D to A+++)	-	A++		-
States	%	-	**251.0(V) - 242.2**	**277.4(V) - 273.8**
SEER (average climate)	-	**6.69(V) - 6.42**	6.35 (V) - 6.13	7.01(V) - 6.92
Operating range [3]	°C	-15°C/+46°C (DB)		
Performance, heating				
Nominal power input (+5°C outside / 20°C water)	kW	10.00 (13.77)	12.50 (17.81)	14.90 (19.75)
Nominal absorbed capacity	kW	2.45	3.60	3.78
Eurovent power to -7°C (max. to -10°C ext /20°C int) [4]	kW	7.70 (10.14)	10.5 (11.79)	12.5 (12.64)
COP	-	4.30	3.98	4.40
Energy class (D to A+++)	-	A+		-
States	%	-	**166.6**	**185.4**
SCOP (average climate)	-	**4.40**	4.24	4.71
Operating range	°C	-20°C/+18°C (WB)		
Indoor units	**Unit**	**RCI-4.0FSR1**	**RCI-5.0FSR1**	**RCI-6.0FSR1**
Sound pressure in Cooling mode (pressure) (low/ medium/high speed1/high speed2) [2]	dB(A)	33/39/43/48	35/40/45/48	37/41/46/48
Sound power	dB(A)	64	64	65
Airflow in Cooling mode (Low/medium/high speed1/high speed2)	m^3/h	1200/1440 / 1860 / 2220	1260/1560 / 1980 / 2220	1320/1680 / 2100 / 2220
Condensate pump included	-	yes		
Max. elevation	mm	850		
Box dimensions (HxLxD)	mm	298 x 840 x 840		
Panel dimensions (HxLxD)	mm	40 x 950 x 950		
Net weight of the box + panel	kg	26 + 6.50		
Cooling pipe diameter (Liq - Gas)	inches	3/8 - 5/8		
Condensate pipe diameter (out)	mm	32		
Power supply	-	1~ 230V 50 Hz		
Cable section [1]	mm^2	3 x 2.5		
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E		
Outdoor units	**Unit**	**RAS-4H(V)NC2E**	**RAS-5H(V)NC2E**	**RAS-6H(V)NC2E**
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	54 (51)		56 (51)
Sound power	dB(A)	70		71
Airflow (Cooling/Heating)	m^3/h	4800		
Dimensions (HxLxD)	mm	1140 x 950 x 370		
Net weight	kg	84 (V) - 86		
Compressor	-	Inverter DC rotary unit		
Cooling properties				
Diameter of pipes (Liq - Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)		
Initial refrigerant fill	kg	3.2		
Preloaded for	m	20		
Minimum length	m	5		
Maximum length/Added refrigerant	m / g/m	75 / 60		
Max. drop (outdoor unit top/bottom)	m	30 / 20		
Refrigerant	-	R410A		
Electrical features				
Single-phase (Three-phase) power supply	-	1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T		
Maximum current	A	22.5 (V) - 15		
Cable section [1]	mm^2	3 x 6,00 (V) - 5 x 4,00		
Indoor/outdoor connection (protected)	mm^2	2 x 0.75		

[1] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] To ensure a cooling mode at -15°C, this option must be activated.
[4] Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
(V) Single-phase version.

Retail price per unit excluding taxes

Indoor unit		**RCI-4.0FSR1**	**RCI-5.0FSR1**	**RCI-6.0FSR1**
Standard white panel		**P-N23NA2**		
Outdoor unit	**Single-phase**	**RAS-4HVNC2E**	**RAS-5HVNC2E**	**RAS-6HVNC2E**
	Three-phase	**RAS-4HNC2E**	**RAS-5HNC2E**	**RAS-6HNC2E**
Wired remote control PC-ARFG2-E(B)				
Price for whole set Indoor unit + remote control + standard panel + outdoor unit	**Single-phase**			
	Three-phase			

Compatible panels

TwinSense panel	Standard panel	Silent-Iconic	Silent-Iconic	Silent-Iconic with elevator screen
White Double sensors (for motion and radiant)	White/Black	White Design unique and exclusive	Black Design unique and exclusive	White Design with removable grille
				
P-AP160NAE2	**P-N23NA2/P-AP160KA3-EU**	**P-GP160NAP-EU**	**P-GP160KAP-EU**	**P-GP160NAPU-EU**

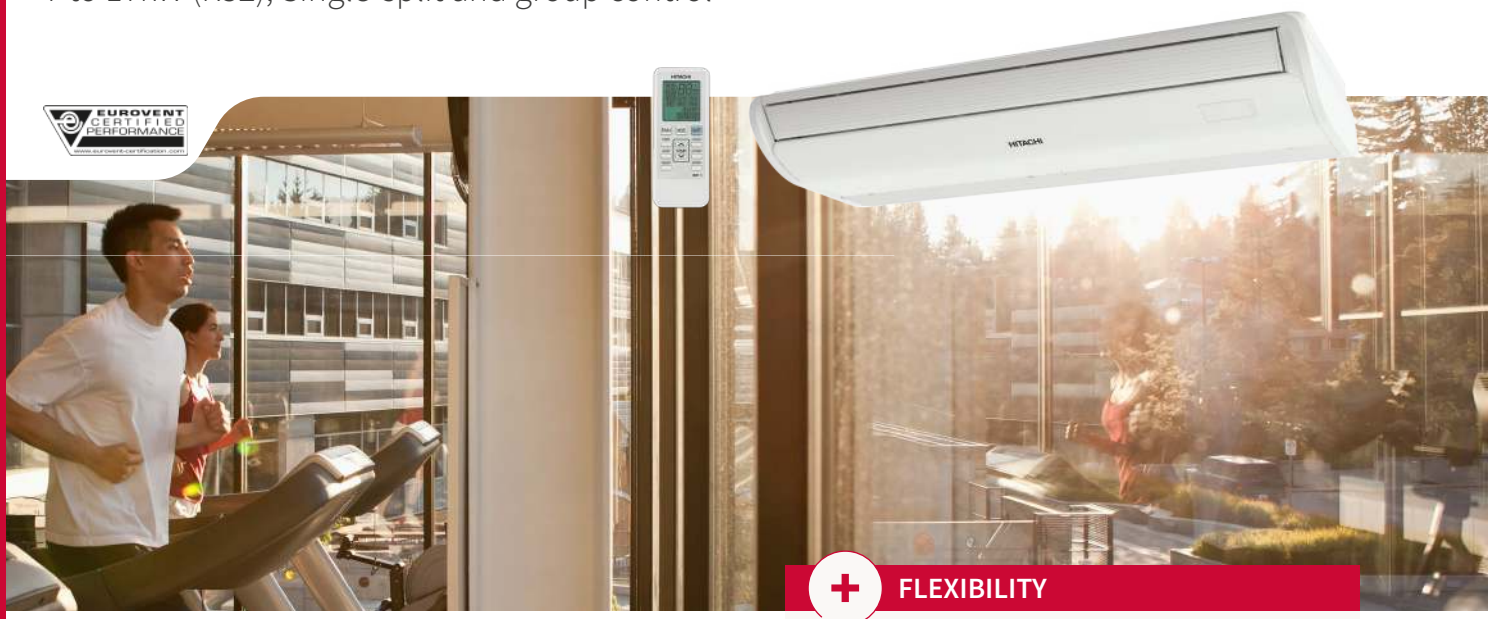


Quick selection table

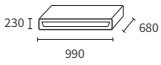
		Primairy ceiling unit console	Utopia Prime ceiling unit		Utopia Prime wall unit	
						
		R32	R32	R410A	R32	R410A
Application		Public (<150 m²) Retail & Commerce	Public (<150 m²) Retail & Commerce		Public (<150 m²) Retail & Commerce	
Positioning of range		Entry-level range	Premium		Premium	
Compatibility		**Single-split and unit control**	**Single-split and TWIN**		**Single-split and TWIN**	
Installation		**Basement or ceiling**	Ceiling		Wall	
Extreme outdoor temperature in heating mode		-15°C	**-20°C**		**-20°C**	
Max. pipe length		50 m	**75 m**		**75 m**	
airCloud Tap		-	●		●	
Compatible with airCloud Pro		● Using a HCAA03NEWI	●		●	
Compatible CSNET Manager		● Using a HCAA03NEWI	●		●	
Compatible GTB (Modbus, KNX, BACnet)		● Using a HCAA03NEWI	●		●	
Capacities						
2 hp	5 kW	-	●	-	●	-
2.5 hp	5.6 kW	-	●	-	●	-
3 hp	7 kW	●	●	-	●	-
3.5 hp	8.5 kW	●	-	-	-	-
4 hp	10 kW	●	●	●	●	●
4 hp (three-phase)	10 kW	-	●	●	●	●
5 hp	12.5 kW	●	●	●	-	-
5 hp (three-phase)	12.5 kW	●	●	●	-	-
6 hp	14 kW	●	●	●	-	-
6 hp (three-phase)	14 kW	●	●	●	-	-
6.5 hp (three-phase)	17 kW	●	-	-	-	-

Primairy ceiling unit console

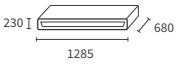
7 to 17kW (R32), Single-split and group control



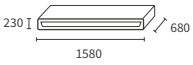
Indoor units



RPFC-3.0UFE1NH



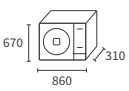
RPFC-3.5UFE1NH
RPFC-4.0UFE1NH



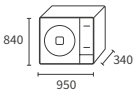
RPFC-5.0UFE1NH
RPFC-6.0UFE1NH
RPFC-6.5UFE1NH

Outdoor units

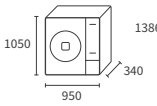




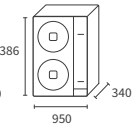
RAS-3.0UFESNH1
RAS-3.5UFESNH1



RAS-4.0UFESNH1



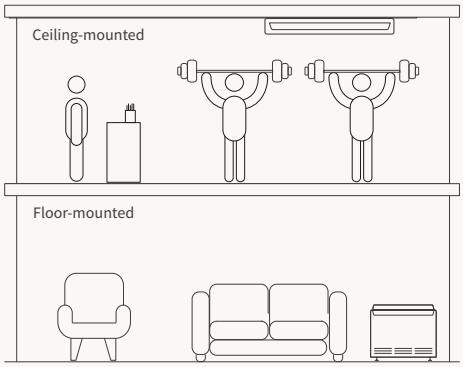
RAS-5.0UFESNH1
RAS-5.0UFESMH1



RAS-6.0UFESNH1
RAS-6.0UFESMH1
RAS-6.5UFESMH1

FLEXIBILITY

Ideal for gyms



SIMPLICITY

- **Standard ON/OFF dry contact**
- **H-Link** (optional)
- **Group control** up to 8 indoor units

FOR ENERGY COST SAVINGS

- **Weekly programming:** Optimize the unit's operation without compromising comfort (with the HCWA21NEHH remote control).
- **Function setback:** Ideal for creating night-time reductions in summer or winter.

Compatible controls and accessories

Individual checks



Programmable wired remote control
Model: **HCWA21NEHH**



Infrared remote control
Model: **HRBB31NEGH**
Included

Condensate



Indoor unit condensate drain pump
Model: **P26(E)-2** (3 ; 3.5 HP)
Model: **P26(E)-3** (4 ; 5 ; 6 ; 6.5 HP)

GTB & Group Controls



KNX (1-1) gateway
Model: **AZAI6KNXHT3**



Modbus/BACnet (1-1) gateway,
The group control adapter is used as a Modbus or BACnet gateway (only one function can be selected).
Model: **GH-64MFGN**

The PRIMAIRY range is also compatible with the centralized GTB gateways of the heat pump range via the H-LINK HCAA03NEWI interface.

H-Link solution



H-Link gateway
Model: **HCAA03NEWI**



Remote control panel
Model: **PSC-A32MN**

+



or CSNET MANAGER



airCloud Pro
Model: **HC-IOTGW**

Primairy ceiling-mounted unit console

R32 REFRIGERANT

Model	Unit	6.5kW 3 hp	8.6kW 3.5 hp	9.8kW 4 hp	12.7kW 5 hp	14.0kW 6 hp	12.1kW 5 hp	13.8 kW 6 hp	16.3 kW 6.5 hp
Performance, cooling									
Nominal power (min. - max.)[1]	kW	6.50 (2.45 - 7.85)	8.60 (4.00 - 9.20)	9.80 (3.50 - 11.00)	12.70(3.30- 13.20)	14.00(3.10- 16.10)	12.10 (3.30 - 13.20)	13.76 (3.10 - 16.10)	16.30 (3.30 - 18.00)
Nominal absorbed capacity	kW	1.94	2.95	3.75	4.53	5.15	4.40	5.00	6.82
EER	-	3.35	2.92	2.61	2.80	2.72	2.75		2.39
Energy class (D to A+++)	-	A+	A++	A+	-				
States	%	-	-	-	**234**	**215**	**225**	**210**	**209**
SEER (average climate)	-	**5.81**	**6.10**	**5.87**	**5.93**	**5.45**	**5.70**	**5.33**	**5.30**
Annual power consumption	kWh/year	391	509	585	709	899	803	940	876
Operating range	°C	+5°C / +48°C[1]							
Performance, heating									
Nominal power (min. - max.)[1]	kW	7.35 (2.20 - 8.70)	8.70 (3.50 - 9.50)	10.50 (3.32 - 12.00)	13.30(3.00- 14.60)	16.50(3.60- 18.00)	13.50 (3.00 - 14.60)	16.59 (3.60 - 18.00)	18.00 (3.00 - 19.00)
Capacity at full load at -7°C[2]	kW	4	5.6	6.5	8.4	10	8.4	10	11.1
Nominal absorbed capacity	kW	2.07	2.30	3.65	4.04	5.40	4.17	4.85	6.82
COP	-	3.55	3.78	2.88	3.29	3.06	3.24	3.42	2.64
Energy class (D to A+++)	-	A+		A	-				
States	%	-	-	-	**148**	**144**	**148**	**139**	**148**
SCOP (average climate)	-	**4.01**	**4.10**	**3.82**	**3.78**	**3.68**	**3.78**	**3.55**	**3.78**
Annual power consumption	kWh/year	2168	2192	2825	3133	4887	3868	5015	4509
Operating range	°C	-15°C/+24°C							

Indoor units	Unit	RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
Sound pressure in Cooling mode (Low/medium/ high speed)	dB(A)	44/48/51	43/48/54	51/52/54	48/51/54	46/52/58	48/51/54	46/52/58	48/53/56
Sound pressure in Cooling mode	dB(A)	65	65	65	68	75	68	75	74
Airflow in Cooling mode (Low/medium/high speed)	m^3/h	800/950/1100	900/1120/1450	1300/1500/1700	1600/1800/2000	1200/1600/2000	1600/1800/2000	1200/1600/2000	1500/1700/2000
Dehumidification	l/h	1.95	3.20	4.40	5.30	6.00	5.30	6.00	6.40
Dimensions (HxLxD)	mm	230 x 990 x 680	230 x 1285 x 680		230 x 1580 x 680				
Net weight of box	kg	30	37		48				
Optional condensate pump	-	P26(E)-2		P26(E)-3	P26(E)-3				
Condensate outlet diameter (ext.)	mm	32							
Maximum height for condensation extraction	mm	550							
Air filter	-	included							
Power supply	V/Ph/Hz	230V/1Ph/50 Hz							
Remote control	-	Infrared included (HRBB31NEGH)							

Outdoor units	Unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Sound pressure in Cooling mode	dB(A)	54		58	62				67
Sound pressure in Cooling mode	dB(A)	69	70		76				80
Airflow (cooling)	m3/h	3150		3800	5800	6300	5800	6300	
Dimensions (HxLxD)	mm	670 x 860 × 310		840 x 950 x 340	1050 x 950 × 340	1386 x 950 × 340	1050 x 950 × 340	1386 x 950 × 340	
Net weight	kg	49.0		70.0	85.0	101.5	85.0	101.5	109.0
Compressor	-	Inverter rotary unit							
Cooling properties									
Diameter of pipes (Liq - Gas)	inches	3/8" - 5/8"		3/8" - 3/4"					
Initial refrigerant fill	kg/TeqCO2	1.40 / 0.95	1.45 / 0.98	2.00 / 1.35	2.50 / 1.69	3.00 / 2.03	2.50 / 1.69	3.00 / 2.03	3.40 / 2.30
Preloaded for	m	5							
Max. pipe length	m	50							
Added refrigerant	g/m	28							
Max. drop (outdoor unit top/bottom)	m	30 / 30							
Refrigerant	-	R32							
Electrical features									
Power supply	V/Ph/Hz	230V/1Ph/50 Hz					400V/3Ph/50 Hz		
Maximum current	A	18.1	18.0	22.5	28.2	30.0	11.6	12.6	13.6
Cable section	mm^2	3 x 2.5		3 x 4	3 x 6		5 x 2.5		
Indoor/outdoor connection (protected)	mm^2	4 x 1.5							

[1] The PRIMAIRY range is designed for air conditioning and comfort heating applications only.. Do not use the PRIMAIRY range for any other types of applications. For example: Server rooms, clothes drying rooms, rooms containing food processing equipment.
[2] Data includes defrosting.

Retail price per unit excluding taxes

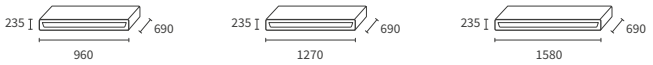
Indoor unit (IR remote control included HRBB31NEGH)	RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
Outdoor unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Price of entire system Indoor unit + Outdoor unit								

Utopia Prime R32 ceiling unit

5 to 14kW (R32), Single-split and TWIN



Indoor units



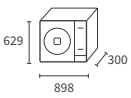
RPC-2.0FSR

RPC-2.5FSR

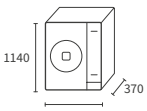
RPC-4.0FSR
RPC-5.0FSR
RPC-6.0FSR

Outdoor units





RAS-2HVRC3
RAS-2.5HVRC3
RAS-3HVRC3



RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E

+ CONNECTIVITY

airCloud Pro

- **Remote control**
- **Multi-site management**



+ CONTROL

Adapt the operation to your needs with the PCC 1A

- **Input on CN3:** M/A functions, remote control lock, mode setting
- **Output on CN7 and CN8:** Operation, alarm, mode
- **Integrated redundancy and backup function** via PC-ARFG2-E(B) for sensitive premises

+ FOR ENERGY COST SAVINGS

Reduce your bills

- **Motion sensor (optional):** Optimize the function of the unit without reducing its comfort level
- **Consumption monitoring & ECO mode:** The wired remote control is your tool for simplicity.

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHC1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-NEP**



Adjustable input/output contact connections
Model: **PCC 1A**

Condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 HP)
Model: **DBS-12L** (2/2.5/3 HP)



Indoor unit condensate drain pump
Model: **DUPC-71K1** (2 HP)
Model: **DUPC-160K1** (2,5 to 6 hp)

Utopia Prime R32 ceiling unit

R32 REFRIGERANT

Model	Unit	5kW 2 hp	5.6 kW 2.5 hp	7.1kW 3 hp	10.0kW 4 hp	12.5kW 5 hp	14.0kW 6 hp
Performance, cooling							
Nominal power (max. to +35°C ext. / 27°C int)	kW	5.00 (5.60)	5.60 (6.30)	7.10 (8.00)	10.00 (11.20)	12.50 (14.00)	14.00 (14.00)
Nominal absorbed capacity	kW	1.24	1.37	2.29	3.25	4.60	5.49
EER	-	4.01	4.08	3.91	3.47	3.06	3.24
Energy class (D to A+++)	-	A++			A+		-
Cold states	%	**277.8**	**282.2**	-	-	**240.6 (V) - 232.6**	**291 (V) - 287****
SEER (average climate)	-	**7.02**	**7.13**	**7.10**	**5.93(V) - 5.70**	6.09(V) - 5.89	7.35(V) - 7.25**
Operating range [1]	°C	-15°C/+50°C (DB)		-15°C/+46°C (DB)			
Performance, heating							
Nominal power input (+5°C outside / +20°C water)	kW	5.00 (6.97)	5.60 (7.85)	7.10 (9.75)	10.00 (13.77)	12.50 (17.81)	14.00 (19.75)
Eurovent capacity at -7°C (max. at -10°C outside / 20°C inside)*	kW	4.40 (5.40)	4.57 (6.08)	5.28 (6.40)	7.70 (10.14)	10.50 (11.79)	12.50 (12.64)
Absorbed capacity heating	kW	1.22	1.51	2.33	2.91	3.94	4.40
COP	-	4.09	3.72	3.52	3.47	3.21	4.40
Energy class (D to A+++)	-			A+			-
Hot States	%	**157.0**	**145.0**	-	-	**160.6**	**186.2****
SCOP (average climate)	-	**4.00**	**4.05**	**4.09**	**4.13(V) - 4.12**	4.09	4.73**
Operating range	°C	-20°C/+15°C (WB)		-20°C/+18°C (WB)			

Indoor units	Unit	RPC-2.0FSR	RPC-2.5FSR	RPC-3.0FSR	RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Sound pressure in Cooling mode (pressure) (Low/ medium/high speed1/high speed2) [2]	dB(A)	28/31/35/38		29/33/37/40	32/37/42/44	35/41/45/48	36/42/47/49
Sound power	dB(A)	54		56	60	64	65
Airflow in Cooling mode (Low/medium/high speed1/high speed2)	m^3/h	540/660 / 780 / 900	640/840 / 990 / 1140	750/930 / 1110 / 1260	1020/1320 / 1590 / 1800	1200/1530 / 1860 / 2100	1260/1620 / 1950 / 2220
Condensate pump	-	Optional					
Maximum height for condensation extraction	mm	600					
Dimensions (HxLxD)	mm	235 x 960 x 690	235 x 1270 x 690		235 x 1580 x 690		
Weight	kg	27	35		41		
Cooling pipe diameter (Liq - Gas)	inches	1/4 - 5/8	3/8 - 5/8				
Condensate pipe diameter (out)	mm	25					
Power supply	-	1~ 230V 50 Hz					
Maximum current	A	5					
Cable section [3]	mm^2	3 x 1.5		3 x 2.5			
Remote control	-	PC-ARFG2-E(B) / PC-ARC-E					

Outdoor units	Unit	RAS-2HVRC3	RAS-2.5HVRC3	RAS-3HVRC3	RAS-4H(V)RC2E	RAS-5H(V)RC2E	RAS-6H(V)RC2E
Sound pressure in Cooling mode (Night mode) [2]	dB(A)	45 (42)	45 (43)	52 (48)	54 (51)		56 (51)
Sound power	dB(A)	65		68	70		71
Airflow (Cooling/Heating)	m^3/h	2754		2982	4800		
Dimensions (HxLxD)	mm	629 x 898 x 300		629 x 898 x 300	1140 x 950 x 370		
Net weight	kg	40		42	84(V) - 86		
Compressor	-	Inverter DC rotary unit					
Cooling properties							
Diameter of pipes (Liq - Gas)	mm (inches)	1/4 - 1/2		9.52 (3/8) - 15.88 (5/8)			
Initial refrigerant fill	kg	1.3		1.7	3.0		
Preloaded for	m	30		20			
Minimum length	m	5					
Maximum length/Added refrigerant	m / g/m	50 / 24		50 / 45	75 / 45		
Max. drop (outdoor unit top/bottom)	m	30 / 20					
Refrigerant	-	R32					
Electrical features, outdoor unit							
Single-phase (Three-phase) power supply	-	1~ 230V 50 Hz			1 ~ 230V 50 Hz (3N~ 400V 50 Hz)		
Maximum current	A	12.5		15.8	22.5 (V) - 15		
Cable section [3]	mm^2	3 x 2.50		3 x 4.00	3 x 6,00 (V) - 5 x 4,00		
Indoor/outdoor connection (protected)	mm^2	2 x 0.75					

[1] To ensure a cooling mode at -15°C, this option must be activated.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
(V) Single-phase version.
* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
** Performance values are stated for RCI-FSR cassettes in accordance with Eurovent benchmarks.

Retail price per unit excluding taxes

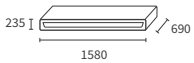
Indoor unit		RPC-2.0FSR	RPC-2.5FSR	RPC-3.0FSR	RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Outdoor unit	Single-phase	RAS-2HVRC3	RAS-2.5HVRC3	RAS-3HVRC3	RAS-4HVRC2E	RAS-5HVRC2E	RAS-6HVRC2E
	Three-phase	-	-	-	RAS-4HRC2E	RAS-5HRC2E	RAS-6HRC2E
Wired remote control PC-ARFG2-E(B)							
Price for whole set Indoor unit + remote control + outdoor unit	Single-phase						
	Three-phase	-	-	-			

Utopia Prime R410A ceiling unit

10 to 14kW (R410A), Single-split and TWIN



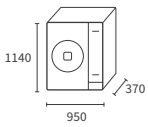
Indoor units



RPC-4.0FSR
RPC-5.0FSR
RPC-6.0FSR

Outdoor units





RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

CONNECTIVITY

airCloud Pro

- **Remote control**
- **Multi-site management**



CONTROL

Adapt the operation to your needs with the PCC 1A

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- **Output on CN7 and CN8:** Operation, alarm, mode
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FOR ENERGY COST SAVINGS

Reduce your bills

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Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized GTB gateways (Modbus, KNX, BACnet) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHC1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Motion sensor
Model: **SOR-NEP**



Adjustable input/output contact connections
Model: **PCC 1A**

Condensate



OU condensate evacuation kit
Model: **DBS-26** (4/5/6 HP)



Indoor unit condensate drain pump
Model: **DUPC-160K1**

Utopia Prime R410A ceiling unit

R410A REFRIGERANT

Model	Unit	10.0kW 4 hp	12.5kW 5 hp	14.0kW 6 hp
Performance, cooling				
Nominal power (max. to +35°C ext. / 27°C int)	kW	10.00 (11.20)	12.50 (14.00)	14.00 (14.00)
Nominal absorbed capacity	kW	3.25	4.60	5.49
EER	-	3.10	2.74	2.85
Energy class (D to A+++)	-	A+		-
States	%	-	**231.4 (V) - 223.8**	**277.4 (V) - 273.8****
SEER (average climate)	-	**5.72(V) - 5.51**	5.86(V) - 5.67	7.01(V) - 6.92**
Operating range [1]	°C	-15°C/+46°C (DB)		
Performance, heating				
Nominal power input (+5°C outside / +20°C water)	kW	10.00 (13.77)	12.50 (17.81)	14.00 (19.75)
Eurovent capacity at -7°C (max. at -10°C outside / 20°C inside)*	kW	7.70 (10.14)	10.50 (11.79)	12.50 (12.64)
Nominal absorbed capacity	kW	2.91	3.94	4.40
COP	-	3.53	3.21	4.40
Energy class (D to A+++)	-	A+		-
States	%	-	**160.6**	**185****
SCOP (average climate)	-	**4.18(V) - 4.17**	4.09	4.71**
Operating range	°C	-20°C/+18°C (WB)		

Indoor units	Unit	RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Sound pressure in Cooling mode (pressure) (Low/ medium/high speed1/high speed2) [2]	dB(A)	32/37/42/44	35/41/45/48	36/42/47/49
Sound power	dB(A)	60	64	65
Airflow in Cooling mode (Low/medium/high speed1/high speed2)	m^3/h	1020/1320 / 1590 / 1800	1200/1530 / 1860 / 2100	1260/1620 / 1950 / 2220
Condensate pump	-	Optional		
Maximum height for condensation extraction	mm	600		
Dimensions (HxLxD)	mm	235 x 1580 x 690		
Weight	kg	41		
Cooling pipe diameter (Liq - Gas)	inches	3/8 - 5/8		
Condensate pipe diameter (out)	mm	25		
Power supply	-	1~ 230V 50 Hz		
Maximum current	A	5		
Cable section [3]	mm^2	3 x 2.5		
Remote control	-	PC-ARFG2-E(B) /PC-ARC-E		

Outdoor units	Unit	RAS-4H(V)NC2E	RAS-5H(V)NC2E	RAS-6H(V)NC2E
Sound pressure in Cooling mode (Night mode) [2]	dB(A)	54 (51)		56 (51)
Sound power	dB(A)	70		71
Airflow (Cooling/Heating)	m^3/h	4800		
Dimensions (HxLxD)	mm	1140 x 950 x 370		
Net weight	kg	84(V) - 86		
Compressor	-	Inverter DC rotary unit		
Cooling properties				
Diameter of pipes (Liq - Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)		
Initial refrigerant fill	kg	3.2		
Preloaded for	m	20		
Minimum length	m	5		
Maximum length/Added refrigerant	m / g/m	75 / 60		
Max. drop (outdoor unit top/bottom)	m	30 / 20		
Refrigerant	-	R410A		
Electrical features, outdoor unit				
Single-phase (Three-phase) power supply	-	1 ~ 230V 50 Hz (3N~ 400V 50 Hz)		
Maximum current	A	22.5 (V) - 15		
Cable section [3]	mm^2	3 x 6,00 (V) - 5 x 4,00		
Indoor/outdoor connection (protected)	mm^2	2 x 0.75		

[1] To ensure a cooling mode at -15°C, this option must be activated.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
(V) Single-phase version.
* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
** Performance values are stated for RCI-FSR cassettes in accordance with Eurovent benchmarks.

Retail price per unit excluding taxes

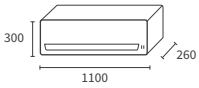
Indoor unit		RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Outdoor unit	Single-phase	RAS-4HVNC2E	RAS-5HVNC2E	RAS-6HVNC2E
	Three-phase	RAS-4HNC2E	RAS-5HNC2E	RAS-6HNC2E
Wired remote control PC-ARFG2-E(B)				
Price for whole set Indoor unit + remote control + outdoor unit	Single-phase			
	Three-phase			

Utopia Prime R32 / R410A wall unit

5 to 10kW (R32), 10 to 14kW (R410A), Single-split and TWIN



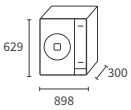
Indoor units



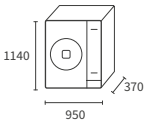
RPK-2.0FSRM
RPK-2.5FSRM
RPK-3.0FSRM
RPK-4.0FSRM

Outdoor units





RAS-2HVRC3
RAS-2.5HVRC3
RAS-3HVRC3



RAS-4H(V)RC2E
RAS-4H(V)NC2E

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airCloud Pro

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- **Multi-site management**



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Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared (+ receiver)
Model: **PC-AWR (+ PC-ALHZ1)**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Indoor unit control accessories



Remote sensor
Model: **THM R2AE**



Adjustable input/output contact connections
Model: **PCC 1A**

Outdoor unit condensate



OU condensate evacuation kit
Model: **DBS-26** (4 hp)
Model: **DBS-12L** (2/2.5/3 hp)

Utopia Prime wall unit

		R32 REFRIGERANT				R410A REFRIGERANT
Model	**Unit**	**5kW 2 hp**	**5.6 kW 2.5 hp**	**7.1kW 3 hp**	**10.0kW 4 hp**	**10.0kW 4 hp**
Performance, cooling						
Rated power	kW	5.00	5.60	7.10	10.00	10.00
Nominal absorbed capacity	kW	1.31	1.41	2.11	4.65	4.65
EER	-	3.81	3.80	3.40	2.42	2.16
Energy class (D to A+++)	-	A++				A++ (V) - A+
States	%	**267.8**	**278.6**		**255.0 (V) - 244.2**	**243.8 (V) - 233.8**
SEER (average climate)	-	**6.77**	**7.04**	**7.11**	**6.45(V) - 6.18**	**6.17(V) - 5.92**
Operating range [1]	°C	-15°C/+50°C (DB)		-15°C/+46°C (DB)		-15°C/+46°C (DB)
Performance, heating						
Rated power	kW	5.00	5.60	7.10	10.00	10.00
Eurovent capacity at -7°C (max. at -10°C outside / 20°C inside)*	kW	4.40 (5.40)	4.57 (6.08)	5.28 (6.40)	7.70 (10.14)	7.70 (10.14)
Nominal absorbed capacity	kW	1.28	1.51	2.36	3.56	3.56
COP	-	3.91	3.71	3.20	2.82	2.87
Energy class (D to A+++)	-	A				A
States	%	**152.2**	**147.8**	**153.0**	**149.0**	**149.0**
SCOP (average climate)	-	**3.88**	**3.94**	**3.90**	**3.80**	**3.83**
Operating range	°C	-20°C/+15°C (WB)		-20°C/+18°C (WB)		-20°C/+18°C (WB)

Indoor wall units	**Unit**	**RPK-2.0FSRM**	**RPK-2.5FSRM**	**RPK-3.0FSRM**	**RPK-4.0FSRM**	**RPK-4.0FSRM**
Sound pressure in Cooling mode (very low/low/ medium/high speed) [2]	dB(A)	31/34/37/40	35/38/42/45	35/40/44/47	39/44/48/51	39/44/48/51
Sound power	dB(A)	47 - 50 - 53 - 55	51 - 54 - 58 - 60	51 - 56 - 60 - 63	54 - 60 - 64 - 65	54 - 60 - 64 - 65
Airflow in Cooling mode (very low/low/medium/high speed) [3][4]	m^3/h	570/660/780/870	720/840/990/1110	750/930/1050/1200	870/1050/1200/1380	870/1050/1200/1380
Condensate pump	-	Optional				Optional
Dimensions (HxLxD)	mm	300 x 1100 x 260				300 x 1100 x 260
Weight	kg	14.5	15			15
Cooling pipe diameter (Liq - Gas)	inches	1/4 - 1/2	3/8 - 5/8			3/8 - 5/8
Condensate pipe diameter (out)	mm	20				20
Power supply	-	1~ 230V 50 Hz				1~ 230V 50 Hz
Cable section [5]	mm^2	3 x 1.5		3 x 2.5		3 x 2.5
Remote control	-	PC-AWR (infrared) / PC-ARC-E (wired)				PC-AWR (infrared) / PC-ARC-E (wired)

Outdoor units	**Unit**	**RAS-2HVRC3**	**RAS-2.5HVRC3**	**RAS-3HVRC3**	**RAS-4H(V)RC2E**	**RAS-4H(V)NC2E**
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	45 (42)	45 (43)	52 (48)	54 (51)	54 (51)
Sound pressure in Cooling mode	dB(A)	65		68	70	70
Airflow (cooling)	m^3/h	2754		2982	4800	4800
Dimensions (HxLxD)	mm	629 x 898 x 300			1140 x 950 x 370	1140 x 950 x 370
Net weight	kg	40		42	84(V) - 86	84(V) - 86
Compressor	-	Inverter DC rotary unit				Inverter DC rotary unit
Cooling properties						
Initial refrigerant fill	kg	1.3		1.8	3.0	3.2
Preloaded for	m	30			20	20
Maximum length/Added refrigerant	m / g/m	50 / 24		50 / 45	75 / 45	75 / 60
Max. drop (outdoor unit top/bottom)	m	30 / 20				30 / 20
Diameter of pipes (Liq - Gas)	mm (inches)	6.35 (1/4) - 12.7 (1/2)		9.52 (3/8) - 15.88 (5/8)		9.52 (3/8) - 15.88 (5/8)
Refrigerant	-	R32				R410A
Electrical features, outdoor unit						
Single-phase (Three-phase) power supply	-	1~ 230V 50 Hz			1 ~ 230V 50 Hz (3N~ 400V 50 Hz)	1 ~ 230V 50 Hz (3N~ 400V 50 Hz)
Maximum current	A	12.5		15.8	22.5 (V) - 15	22.5 (V) - 15
Cable section [5]	mm^2	3 x 2.50		3 x 4.00	3 x 6,00 (V) - 5 x 4,00	3 x 6,00 (V) - 5 x 4,00
Indoor/outdoor connection (protected)	mm^2	2 x 0.75				2 x 0.75

[1] To ensure cooling mode at -15°C, the option must be enabled..
[2] Sound pressure is measured under the following conditions: 1 m under the unit, 1 m from the pulse air flap.
[3] Ultra-high speeds are possible with wired heat pump remote controls.
[4] Very low speed (VLS) available for operation in Thermo-off mode.
[5] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
(V) Single-phase version.
* Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

Retail price per unit excluding taxes

Indoor unit		**RPK-2.0FSRM**	**RPK-2.5FSRM**	**RPK-3.0FSRM**	**RPK-4.0FSRM**	**RPK-4.0FSRM**
Outdoor unit	**Single-phase**	**RAS-2HVRC3**	**RAS-2.5HVRC3**	**RAS-3HVRC3**	**RAS-4HVRC2E**	**RAS-4HVNC2E**
	Three-phase	-	-	-	**RAS-4HRC2E**	**RAS-4HNC2E**
Infrared remote control PC-AWR						
Price for whole set Indoor unit + Outdoor unit + remote control IR PC-AWR	**Single-phase**					
	Three-phase	-	-	-		



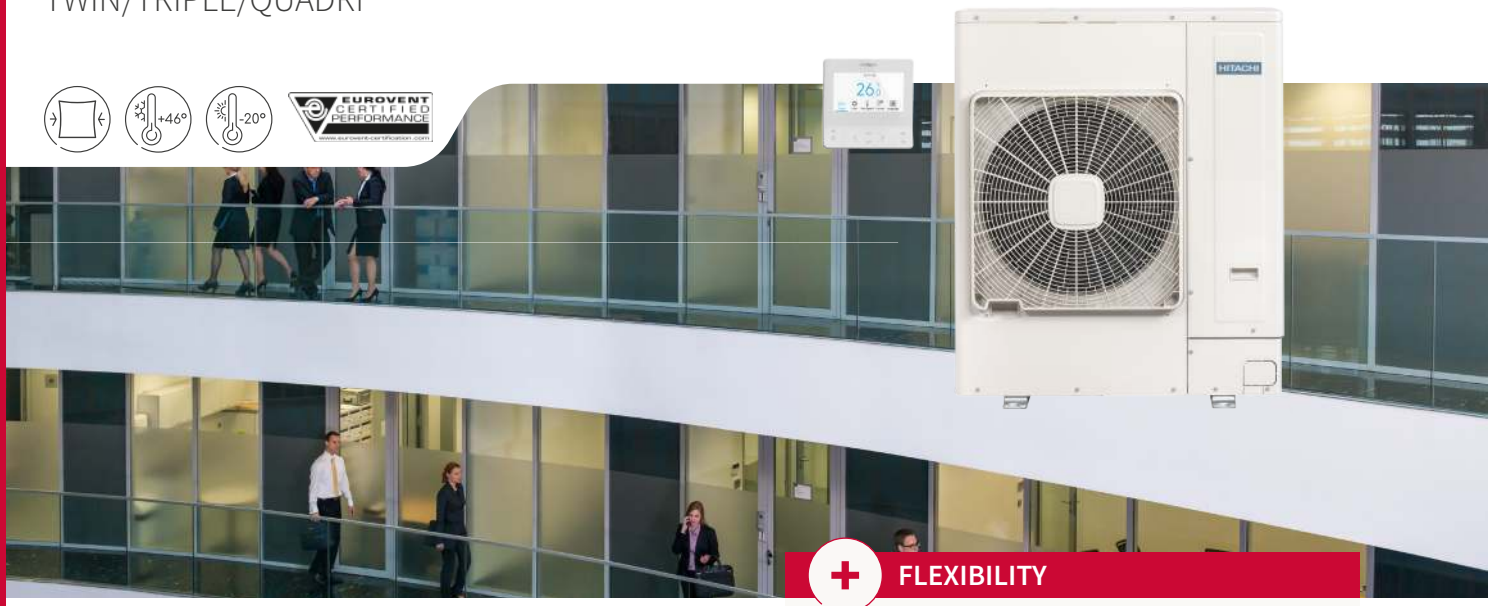
Quick selection table

	Power in hp							Technology	Application	Max. number of connected indoor units	Control output
	3	4	5	6	8	10	12				
Twin Utopia Prime • Refrigerant R410A • Refrigerant R32	•	• •	• •	• •	-	-	-	TWIN/TRIPLE/ QUADRI (reversible)	Shops, restaurants, gyms...	3 hp: 2 (100%) 4/5/6 hp: 4 (90-115%)	Single-zone control
Micro heat pump IVX Prime & IVX Comfort • Refrigerant R410A • Refrigerant R32	-	• •	• •	• •	•	•	•	Heat pump with 2-pipe (reversible)	Banks, offices, shops...	4 (90 - 115%)	Independent control of indoor units
Micro heat pump IVX centifruge • Refrigerant R410A	-	•	•	•	•	•	-	VRF 2-pipe (reversible)	Shops, downtown offices...	6 (75 - 120%)	Independent control of indoor units

Utopia Prime

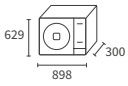
7 to 14 kW (R32), 10 to 14 kW (R410A),
TWIN/TRIPLE/QUADRI

EXCLUSIVE TO HITACHI

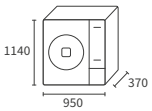


Outdoor units





RAS-3HVRC2



RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E
RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

Compatible controls and accessories

The UTOPIA PRIME range is compatible with centralized gateways. GTB (Modbus, KNX, BACnet, LON) as standard.

Individual checks



Fully wired
Model: **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared
Model: **PC-AWR**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

Other accessories



Remote sensor
Model: **THM R2AE**



Configurable input/output connectors with adjustable contacts
Model: **PCC 1A**

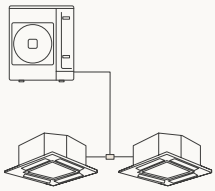


OU condensate evacuation kit
Model: **DBS-26** (4/5/6 HP)
Model: **DBS-12L** (3 HP)

+ FLEXIBILITY

TWIN configuration

(3 to 6 Hp)



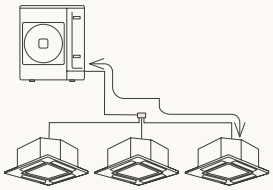


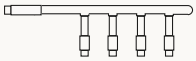
Multikits

1 xE-102SN4

TRIPLE configuration

(4 to 6 Hp)



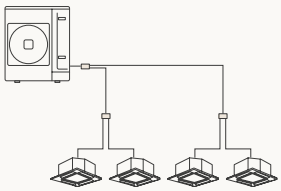


Collector

1 x MH-84AN1

QUAD configuration

(4 to 6 Hp)





Multikits

3 x E-102SN4

+ SAVINGS

- Very high performance levels

+ CONNECTIVITY

airCloud Pro

- Remote control
- Multi-site management
- Energy tracking



Utopia Prime outdoor units

		R32 REFRIGERANT				R410A REFRIGERANT		
Model	**Unit**	**3Hp 7.1 kW**	**4hp 10.0 kW**	**5hp 11.9 kW**	**6hp 14.0 kW**	**4hp 10.0 kW**	**5hp 11.9 kW**	**6hp 14.0 kW**
Performance, cooling								
Capacity Cooling	kW	7.10	10.00	11.90	14.00	10.00	11.90	14.00
Absorbed capacity cooling	kW	1.80	2.56(V) - 2.86	3.38(V) - 3.78	4.38(V) - 4.91	2.86(V) - 2.56	3.78(V) - 3.38	4.91(V) - 4.38
EER[1]	-	3.90		3.52	3.24	3.50	3.15	2.85
Seasonal energy class	-	A++			-	A++		-
SEER (average climate) [1]	-	**7.41**	**6.93(V) - 6.62**	6.60(V) - 6.37	7.35(V) - 7.25	**6.69(V) - 6.42**	6.35(V) - 6.13	7.01 (V) - 6.92
Cold states [1]	%	-	-	**261.0(V) - 167.4**	**290.0(V) - 287.0**	-	**251.0(V) - 242.2**	**277.4(V) - 273.8**
Operating ranges Cooling [3]	-	-15°C/+46°C (DB)				-15°C/+46°C (DB)		
Performance, heating								
Capacity heating	kW	7.10	10.00	11.90	14.00	10.00	11.90	14.90
Absorbed capacity heating	kW	1.64	2.65 (V) - 2.60	3.52(V) - 3.52	3.64(V) - 3.64	2.60 (V) - 2.60	3.52(V) - 3.52	3.64(V) - 3.64
COP[1]	-	4.40	4.23	3.98	4.40	4.30	3.98	4.40
Seasonal energy class	-	A+			-	A+		-
SCOP (average climate) [1]	-	**4.20**	**4.36**	4.26(V) - 4.25	4.73 (V) - 4.73	**4.40(V) - 4.40**	4.24(V) - 4.23	4.71 (V) - 4.71
Hote states[1]	%	-	-	**167.4(V) - 167.0**	**186.2**	-	**166.6(V) - 166.2**	**185.4**
Operating ranges heating	-	-20°C/18°C (WB)				-20°C/18°C (WB)		

Outdoor units	**Unit**	**RAS-3HVRC3**	**RAS-4H(V)RC2E**	**RAS-5H(V)RC2E**	**RAS-6H(V)RC2E**	**RAS-4H(V)NC2E**	**RAS-5H(V)NC2E**	**RAS-6H(V)NC2E**
Technical characteristics								
Airflow (cooling)	m^3/h	2700	4800			4800		
Sound pressure in Cooling mode (Night mode)[2]	dB(A)	52 (48)	54 (51)		56 (51)	54 (51)		56 (51)
Sound power	dB(A)	68	70		72	68	69	71
Net weight	kg	42	84			86		
Dimensions (HxLxD)	mm	629x799(+95)x300	1140 x 950 x 370			1140 x 950 x 370		
Min. power of indoor unit	hp (horsepower)	0.8				0.8		
Number of connectible units (min - max)	-	1 - 2	1 - 4			1 - 4		
Capacity ratio (min - max)	%	100%	90% - 115%			90% - 115%		
Compressor	-	Inverter DC rotary unit				Inverter DC rotary unit		
Static pressure available	Pa	30				30		
Cooling properties								
Maximum length / Added refrigerant	m/g/m	50 / 45	75 / 45			75 / 60		
Initial refrigerant fill	kg	1.8	3.0			3.2		
Preloaded for	m	30	20			20		
Minimum length	m	5				5		
Max. drop (outdoor unit above/below)	m	30 / 20				30 / 20		
Diameter of pipes (Liq - Gas)	mm inches	9.52 (3/8") - 15.88 (5/8")				9.52 (3/8") - 15.88 (5/8")		
Refrigerant	-	R32				R410A		
Electrical features								
Single-phase (Three-phase) power supply	-	1~ 230V 50 Hz + N + T	1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T			1~ 230V 50 Hz (3~ 400V 50 Hz) + N + T		
Maximum current	A	15.8	22.5 (V) - 15			22.5 (V) - 15		
Circuit breaker recommended	A	20	25			25		
Cable section (EN 60 335-1)*	mm^2	3 x 4.00	3 x 6.00 (V) - 5 x 4.00			3 x 6.00 (V) - 5 x 4.00		
Indoor/outdoor connection (protected)*	mm^2	2 x 0.75	2 x 0.75			2 x 0.75		

* Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[1] based on RCI-type indoor units.
[2] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[3] To ensure a cooling mode at -15°C, the option must be enabled.
(V) Single-phase version.

Utopia Prime
The most flexible TWIN on the market

Flexible dimensioning and selection

UNIQUE! Infinite number of combinations available for R410A or R32

- Indoor units common to those of heat pump outdoor units.
- Different types of indoor units (wall-mounted, cassette, ducted, or ceiling-mounted) or power ratings on the same outdoor unit.
- Indoor unit power adjustable on site.



Unmatched control range for a TWIN

The Utopia Prime range is also compatible with our Modbus, KNX, and BACnet gateways.

Individual checks



Fully wired
Ref : **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared
Model: **PC-AWR**

Centralized controls



Touch-sensitive
Model: **PSC-A32MN**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

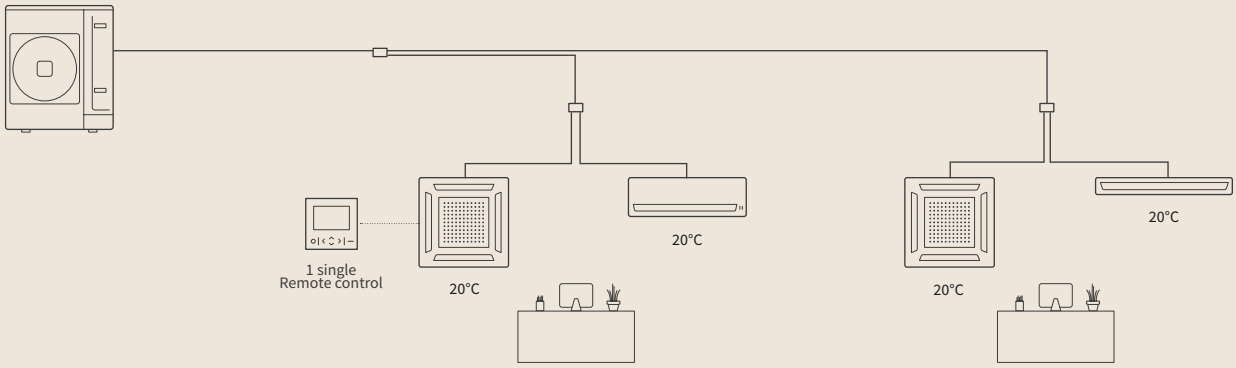
Remote access



airCloud Pro
Model: **HC-IOTGW**

UNIQUE! Renewed master-slave control for more energy savings

Example of QUADRI installation comprising an Utopia Prime outdoor unit, two cassettes, one wall and one ceiling (diagram below).



Uniform temperature adjustment

EXCLUSIVE TO HITACHI

Uniform temperature adjustment optimizes comfort in the entire room and saves energy.

Outdoor Unit Status Utopia Prime	Cassette	Wall	Cassette	Ceiling unit
Operational because all units are requesting	Thermo ON	Thermo ON	Thermo ON	Thermo ON
Stop because at least one unit has reached the setpoint	Thermo ON	Thermo **OFF**	Thermo ON	Thermo ON

Priority area adjustment

EXCLUSIVE TO HITACHI

Priority area adjustment optimizes comfort in a specific area of the room.

Outdoor Unit Status Utopia Prime	Remote control sensor
Operational because the remote control sensor is requesting	Thermo ON
Stop because the remote control sensor has reached the setpoint	Thermo **OFF**

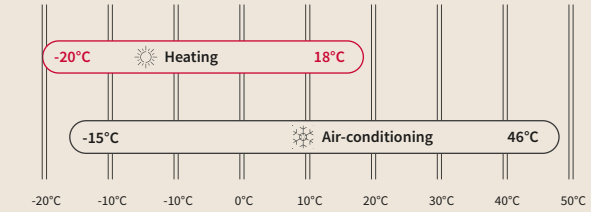


A TWIN that can be installed anywhere!

Large operating ranges

Utopia Prime maintains its operation at extreme temperatures: Down to -20°C in heating mode and from -15°C to 46°C in cooling mode. Features that make this a product for perfect year-round comfort.

Outside temperature operating range



Advanced anti-corrosion treatment

With its triple handling, Utopia Prime offers the best protection on the market for use in tough environments.



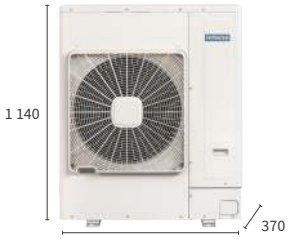
Flexible installation

UNIQUE! The 4 to 6 hp range can be configured in TWIN, TRIPLE, and QUADRI at R32 and R410A and has a static pressure of 30 Pa, which allows for air delivery ducting.



3 hp

Discretion assured with external **single-fan units** across the entire range.



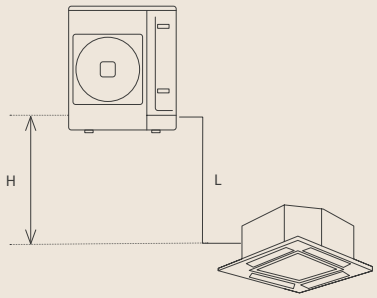
from 4 to 6 hp

Static pressure 30 Pa

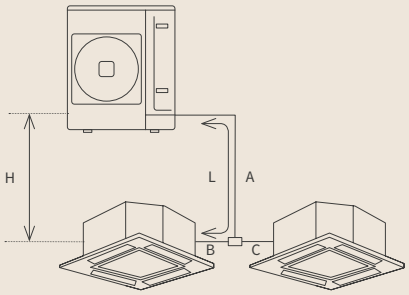
Only for 4/5/6 hp units

Installation guide
Utopia Prime

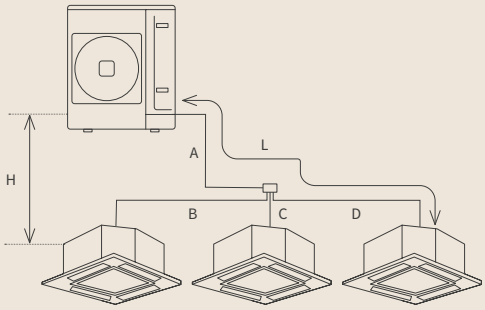
Single-split configuration
(3 to 6 Hp)



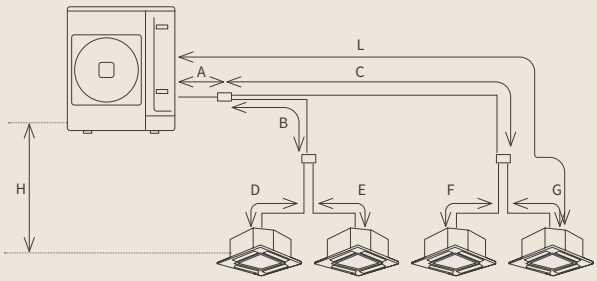
TWIN configuration
(3 to 6 Hp)



TRIPLE configuration
(4 to 6 Hp)



QUADRI configuration
(4 to 6 Hp)



Outdoor units		Unit	3 hp	4 hp	5 hp	6 hp
Max. length between outdoor unit and the furthest indoor unit	Actual length (L)	m	50		75	
	Equivalent length (EL)	m	70		95	
Total length of the pipe	2 indoor units (A+B+C)	m	50		85	
	3 indoor units (A+B+C+D)	m	-		85	
	4 indoor units (A+B+C+D+E+F+G)	m	-		85	
Max. length after first branch	2 indoor units (B, C)	m	15		15	
	3 Indoor units (B, C, D)	m	-		15	
	4 indoor units (B+D, B+E, C+F, C+G)	m	-		15	
Max. drop of outdoor unit to indoor units (H) (outdoor unit above/ below)		m		30 / 20		
Max. drop of indoor units to indoor units		m		3		
Max. drop of multikit to indoor units / Multikit-Multikit		m		3		
Maximum imbalance between branch(es) (see diagrams above)	2 indoor units (B-C)	m	< 8		< 10	
	3 indoor units (B-D) or (C-D)					
	4 indoor units (C+G)-(C+F) or (B+E)-(B+D) or (C+G)-(B+E) or (C+G)-(B+D) or (C+F)-(B+E) or (C+F)-(B+D)					

Flexible connection

TWIN configuration
(3 to 6 hp)
Multikits
2 pipes
1 x E-102SN4



TRIPLE configuration
(4 to 6 hp)
Collector
3 pipes
1 x MH-84AN1



QUADRI configuration
(4 to 6 hp)
Multikits
2 pipes
3 x E-102SN4



List of indoor units compatible with the TWIN UTOPIA PRIME range

Cassettes

The + HITACHI
standard ionic antivirus filtration (G1 filter)



Cassette 600X600
RCIM-...FSRE
0.8/1/1.5/2/2.5 hp)



Cassette 800X800
RCI-...FSR1
1/1.5/2/2.5/3 hp)

Elevator-compatible design of front panel

Ducted units



Low pressure ducted units
RPIL-...FSR1E
0.8/1/1.5 hp



Medium-pressure ducted unit
RPI-...FSR1E
1.5/2/2.5/3 Hp

Ceiling unit



Ceiling unit
RPC-...FSR
1.5/2/2.5/3 Hp

Wall



Wall
RPK-...FSRM
0.8/1/1.5/2/2.5/3 hp)

TWIN combinations table

3Hp	
IU 1 + IU 2	Ratio
1.5 + 1.5	100%
1.0 + 2.0	100%

4hp	
IU 1 + IU 2	Ratio
1.3 + 2.5	95%
1.3 + 3.0	108%
1.5 + 2.5	100%
1.8 + 2.0	95%
1.8 + 2.5	108%
2.0 + 2.0	100%
2.0 + 2.3	108%
2.0 + 2.5	113%
2.3 + 2.3	115%

5hp	
IU 1 + IU 2	Ratio
1.5 + 3.0	90%
1.5 + 4.0	110%
2.0 + 2.5	90%
2.3 + 2.5	96%
2.5 + 2.5	100%
2.5 + 3.0	110%
2.0 + 3.0	100%
1.8 + 3.0	96%
2.3 + 2.3	92%
2.3 + 3.0	106%

6hp	
IU 1 + IU 2	Ratio
1.5 + 4.0	92%
1.8 + 4.0	97%
2.3 + 4.0	105%
2.5 + 4.0	108%
3.0 + 3.0	100%
1.8 + 5.0	113%
2.0 + 4.0	100%
2.5 + 3.0	108%

TRIPLE combinations table

4hp	
IU 1 + IU 2 + IU 3	Ratio
0.8 + 0.8 + 2.0[1]	90%
0.8 + 0.8 + 2.3[1]	98%
0.8 + 0.8 + 2.5[1]	103%
0.8 + 0.8 + 3.0[1]	115%
0.8 + 1.0 + 1.8[1]	90%
0.8 + 1.0 + 2.0[1]	95%
0.8 + 1.0 + 2.3[1]	103%
0.8 + 1.0 + 2.5[1]	108%
0.8 + 1.3 + 1.5	90%
0.8 + 1.3 + 1.8[1]	98%
0.8 + 1.3 + 2.0[1]	103%
0.8 + 1.3 + 2.3[1]	110%
0.8 + 1.3 + 2.5[1]	115%
0.8 + 1.5 + 1.5	95%
0.8 + 1.5 + 1.8[1]	103%
0.8 + 1.5 + 2.0[1]	108%
0.8 + 1.5 + 2.3[1]	115%
0.8 + 1.8 + 1.8[1]	110%
0.8 + 1.8 + 2.0[1]	115%
1.0 + 1.0 + 1.8	95%
1.0 + 1.0 + 2.0	100%
1.0 + 1.0 + 2.3	108%
1.0 + 1.0 + 2.5[1]	113%
1.0 + 1.3 + 1.3	90%
1.0 + 1.3 + 1.5	95%
1.0 + 1.3 + 1.8	103%
1.0 + 1.3 + 2.0	108%
1.0 + 1.3 + 2.3	115%
1.0 + 1.5 + 1.5	100%
1.0 + 1.5 + 1.8	108%
1.0 + 1.5 + 2.0	113%
1.0 + 1.8 + 1.8	115%
1.3 + 1.3 + 1.3	98%
1.3 + 1.3 + 1.5	103%
1.3 + 1.3 + 1.8	110%
1.3 + 1.3 + 2.0	115%
1.3 + 1.5 + 1.5	108%
1.5 + 1.5 + 1.5	113%

5hp	
IU 1 + IU 2 + IU 3	Ratio
0.8 + 1.0 + 3.0[1]	96%
0.8 + 1.3 + 2.5[1]	92%
0.8 + 1.3 + 3.0[1]	102%
0.8 + 1.5 + 2.3[1]	92%
0.8 + 1.5 + 2.5[1]	96%
0.8 + 1.5 + 3.0[1]	106%
0.8 + 1.8 + 2.0[1]	92%
0.8 + 1.8 + 2.3[1]	98%
0.8 + 1.8 + 2.5[1]	102%
0.8 + 1.8 + 3.0[1]	112%
0.8 + 2.0 + 2.0[1]	96%
0.8 + 2.0 + 2.3[1]	102%
0.8 + 2.0 + 2.5[1]	106%
0.8 + 2.3 + 2.3[1]	108%
0.8 + 2.3 + 2.5[1]	112%
1.0 + 1.0 + 2.5[1]	90%
1.0 + 1.0 + 3.0[1]	100%
1.0 + 1.3 + 2.3	92%
1.0 + 1.3 + 2.5[1]	96%
1.0 + 1.3 + 3.0[1]	106%
1.0 + 1.5 + 2.0	90%
1.0 + 1.5 + 2.3	96%
1.0 + 1.5 + 2.5[1]	100%
1.0 + 1.5 + 3.0[1]	110%
1.0 + 1.8 + 1.8	92%
1.0 + 1.8 + 2.0	96%
1.0 + 1.8 + 2.3	102%
1.0 + 1.8 + 2.5[1]	106%
1.0 + 2.0 + 2.0	100%
1.0 + 2.0 + 2.3	106%
1.0 + 2.0 + 2.5[1]	110%
1.0 + 2.3 + 2.3	112%
1.3 + 1.3 + 2.0	92%
1.3 + 1.3 + 2.3	98%
1.3 + 1.3 + 2.5	102%
1.3 + 1.3 + 3.0	112%
1.3 + 1.8 + 1.8	98%
1.3 + 1.8 + 2.0	102%
1.3 + 1.8 + 2.3	108%
1.3 + 1.8 + 2.5	112%
1.3 + 2.0 + 2.0	106%
1.3 + 2.0 + 2.3	112%
1.5 + 1.5 + 1.5	90%
1.5 + 1.8 + 1.8	102%
1.5 + 1.8 + 2.0	106%
1.5 + 1.8 + 2.3	112%
1.5 + 2.0 + 2.0	110%
1.8 + 1.8 + 1.8	108%
1.8 + 1.8 + 2.0	112%

6 HP [2]	
IU 1 + IU 2 + IU 3	Ratio
0.8 + 1.0 + 4.0 [1][2]	97%
0.8 + 1.0 + 5.0 [1][2]	113%
0.8 + 1.3 + 4.0 [1][2]	102%
0.8 + 1.5 + 4.0 [1][2]	105%
0.8 + 1.8 + 3.0 [1][2]	93%
0.8 + 1.8 + 4.0 [1][2]	110%
0.8 + 2.0 + 3.0 [1][2]	97%
0.8 + 2.0 + 4.0 [1][2]	113%
0.8 + 2.3 + 2.3 [1][2]	90%
0.8 + 2.3 + 2.5 [1][2]	93%
0.8 + 2.3 + 3.0 [1][2]	102%
0.8 + 2.5 + 2.5 [1][2]	97%
0.8 + 2.5 + 3.0 [1][2]	105%
0.8 + 3.0 + 3.0 [1][2]	113%
1.0 + 1.0 + 4.0 [1][2]	100%
1.0 + 1.3 + 4.0 [1][2]	105%
1.0 + 1.5 + 3.0 [1][2]	92%
1.0 + 1.5 + 4.0 [1][2]	108%
1.0 + 1.8 + 3.0 [1][2]	97%
1.0 + 1.8 + 4.0 [1][2]	113%
1.0 + 2.0 + 2.5 [1][2]	92%
1.0 + 2.0 + 3.0 [1][2]	100%
1.0 + 2.3 + 2.3[2]	93%
1.0 + 2.3 + 2.5 [1][2]	97%
1.0 + 2.3 + 3.0 [1][2]	105%
1.0 + 2.5 + 2.5 [1][2]	100%
1.0 + 2.5 + 3.0 [1][2]	108%
1.3 + 1.3 + 3.0 [1][2]	93%
1.3 + 1.3 + 4.0 [1][2]	110%
1.3 + 1.8 + 2.3[2]	90%
1.3 + 1.8 + 2.5[2]	93%
1.3 + 1.8 + 3.0[2]	102%
1.3 + 2.0 + 2.3[2]	93%
1.3 + 2.0 + 2.5[2]	97%
1.3 + 2.0 + 3.0[2]	105%
1.3 + 2.3 + 2.3[2]	98%
1.3 + 2.3 + 2.5[2]	102%
1.3 + 2.3 + 3.0[2]	110%
1.3 + 2.5 + 2.5[2]	105%
1.3 + 2.5 + 3.0[2]	113%
1.5 + 1.8 + 2.3[2]	93%
1.5 + 1.8 + 2.5[2]	97%
1.5 + 1.8 + 3.0[2]	105%
1.5 + 2.0 + 2.0[2]	92%
1.5 + 2.0 + 2.3[2]	97%
1.5 + 2.0 + 2.5[2]	100%
1.5 + 2.0 + 3.0[2]	108%
1.5 + 2.3 + 2.3[2]	102%
1.5 + 2.3 + 2.5[2]	105%
1.5 + 2.3 + 3.0[2]	113%
1.5 + 2.5 + 2.5[2]	108%
1.8 + 1.8 + 1.8[2]	90%
1.8 + 1.8 + 2.0[2]	93%
1.8 + 1.8 + 2.3[2]	98%
1.8 + 1.8 + 2.5[2]	102%
1.8 + 1.8 + 3.0[2]	110%
1.8 + 2.0 + 2.0[2]	97%
1.8 + 2.0 + 2.3[2]	102%
1.8 + 2.0 + 2.5[2]	105%
1.8 + 2.0 + 3.0[2]	113%
1.8 + 2.3 + 2.3[2]	107%
1.8 + 2.3 + 2.5[2]	110%
1.8 + 2.5 + 2.5[2]	113%
2.0 + 2.0 + 2.0[2]	100%
2.0 + 2.0 + 2.3[2]	105%
2.0 + 2.0 + 2.5[2]	108%
2.0 + 2.3 + 2.3[2]	110%
2.0 + 2.3 + 2.5[2]	113%
2.3 + 2.3 + 2.3[2]	115%

[1] Not recommended for applications requiring optimum comfort.
[2] Prohibited with RCI type units.

QUADRI combinations table

4hp

IU 1 + IU 2 + IU 3 + IU 4	Ratio
0.8 + 0.8 + 0.8 + 1.3	93%
0.8 + 0.8 + 0.8 + 1.5	98%
0.8 + 0.8 + 0.8 + 1.8 (1)	105%
0.8 + 0.8 + 0.8 + 2.0 (1)	110%
0.8 + 0.8 + 1.0 + 1.0	90%
0.8 + 0.8 + 1.0 + 1.3	98%
0.8 + 0.8 + 1.0 + 1.5	103%
0.8 + 0.8 + 1.0 + 1.8 (1)	110%
0.8 + 0.8 + 1.0 + 2.0 (1)	115%
0.8 + 0.8 + 1.3 + 1.3	105%
0.8 + 0.8 + 1.3 + 1.5	110%
0.8 + 0.8 + 1.5 + 1.5	115%
0.8 + 1.0 + 1.0 + 1.0	95%
0.8 + 1.0 + 1.0 + 1.3	103%
0.8 + 1.0 + 1.0 + 1.5	108%
0.8 + 1.0 + 1.0 + 1.8 (1)	115%
0.8 + 1.0 + 1.3 + 1.3	110%
0.8 + 1.0 + 1.3 + 1.5	115%
1.0 + 1.0 + 1.0 + 1.0	100%
1.0 + 1.0 + 1.0 + 1.3	108%
1.0 + 1.0 + 1.0 + 1.5	113%
1.0 + 1.0 + 1.3 + 1.3	115%

5hp

IU 1 + IU 2 + IU 3 + IU 4	Ratio
0.8 + 0.8 + 0.8 + 2.3 (1)	94%
0.8 + 0.8 + 0.8 + 2.5 (1)	98%
0.8 + 0.8 + 0.8 + 3.0 (1)	108%
0.8 + 0.8 + 1.0 + 2.0 (1)	92%
0.8 + 0.8 + 1.0 + 2.3 (1)	98%
0.8 + 0.8 + 1.0 + 2.5 (1)	102%
0.8 + 0.8 + 1.0 + 3.0 (1)	112%
0.8 + 0.8 + 1.3 + 1.8 (1)	94%
0.8 + 0.8 + 1.3 + 2.0 (1)	98%
0.8 + 0.8 + 1.3 + 2.3 (1)	104%
0.8 + 0.8 + 1.3 + 2.5 (1)	108%
0.8 + 0.8 + 1.5 + 1.5 (1)	92%
0.8 + 0.8 + 1.5 + 1.8 (1)	98%
0.8 + 0.8 + 1.5 + 2.0 (1)	102%
0.8 + 0.8 + 1.5 + 2.3 (1)	108%
0.8 + 0.8 + 1.5 + 2.5 (1)	112%
0.8 + 0.8 + 1.8 + 1.8 (1)	104%
0.8 + 0.8 + 1.8 + 2.0 (1)	108%
0.8 + 0.8 + 1.8 + 2.3 (1)	114%
0.8 + 0.8 + 2.0 + 2.0 (1)	112%
0.8 + 1.0 + 1.0 + 1.8 (1)	92%
0.8 + 1.0 + 1.0 + 2.0 (1)	96%
0.8 + 1.0 + 1.0 + 2.3 (1)	102%
0.8 + 1.0 + 1.0 + 2.5 (1)	106%
0.8 + 1.0 + 1.3 + 1.5	92%
0.8 + 1.0 + 1.3 + 1.8 (1)	98%
0.8 + 1.0 + 1.3 + 2.0 (1)	102%
0.8 + 1.0 + 1.3 + 2.3 (1)	108%
0.8 + 1.0 + 1.3 + 2.5 (1)	112%
0.8 + 1.0 + 1.5 + 1.5	96%
0.8 + 1.0 + 1.5 + 1.8 (1)	102%
0.8 + 1.0 + 1.5 + 2.0 (1)	106%
0.8 + 1.0 + 1.5 + 2.3 (1)	112%
0.8 + 1.0 + 1.8 + 1.8 (1)	108%
0.8 + 1.0 + 1.8 + 2.0 (1)	112%
0.8 + 1.3 + 1.3 + 1.3	94%
0.8 + 1.3 + 1.3 + 1.5	98%
0.8 + 1.3 + 1.3 + 1.8 (1)	104%
0.8 + 1.3 + 1.3 + 2.0 (1)	108%
0.8 + 1.3 + 1.3 + 2.3 (1)	114%
0.8 + 1.3 + 1.5 + 1.5	102%
0.8 + 1.3 + 1.5 + 1.8 (1)	108%
0.8 + 1.3 + 1.5 + 2.0 (1)	112%
0.8 + 1.3 + 1.8 + 1.8 (1)	114%
0.8 + 1.5 + 1.5 + 1.5	106%
0.8 + 1.5 + 1.5 + 1.8 (1)	112%
1.0 + 1.0 + 1.0 + 1.5	90%
1.0 + 1.0 + 1.0 + 1.8	96%
1.0 + 1.0 + 1.0 + 2.0	100%
1.0 + 1.0 + 1.0 + 2.3	106%
1.0 + 1.0 + 1.0 + 2.5 (1)	110%
1.0 + 1.0 + 1.3 + 1.3	92%
1.0 + 1.0 + 1.3 + 1.5	96%
1.0 + 1.0 + 1.3 + 1.8	102%
1.0 + 1.0 + 1.3 + 2.0	106%
1.0 + 1.0 + 1.3 + 2.3	112%
1.0 + 1.0 + 1.5 + 1.5	100%
1.0 + 1.0 + 1.5 + 1.8	106%
1.0 + 1.0 + 1.5 + 2.0	110%
1.0 + 1.0 + 1.8 + 1.8	112%
1.0 + 1.3 + 1.3 + 1.3	98%
1.0 + 1.3 + 1.3 + 1.5	102%
1.0 + 1.3 + 1.3 + 1.8	108%
1.0 + 1.3 + 1.3 + 2.0	112%
1.0 + 1.3 + 1.5 + 1.5	106%
1.0 + 1.3 + 1.5 + 1.8	112%
1.0 + 1.5 + 1.5 + 1.5	110%
1.3 + 1.3 + 1.3 + 1.3	104%
1.3 + 1.3 + 1.3 + 1.5	108%
1.3 + 1.3 + 1.3 + 1.8	114%
1.3 + 1.3 + 1.5 + 1.5	112%

6 HP [2]

IU 1 + IU 2 + IU 3 + IU 4	Ratio	IU 1 + IU 2 + IU 3 + IU 4	Ratio
0.8 + 0.8 + 0.8 + 3.0 [1][2]	90%	1.0 + 1.0 + 1.0 + 3.0 [1][2]	100%
0.8 + 0.8 + 0.8 + 4.0 [1][2]	107%	1.0 + 1.0 + 1.3 + 2.3 (2)	93%
0.8 + 0.8 + 1.0 + 3.0 [1][2]	93%	1.0 + 1.0 + 1.3 + 2.5 [1][2]	97%
0.8 + 0.8 + 1.0 + 4.0 [1][2]	110%	1.0 + 1.0 + 1.3 + 3.0 [1][2]	105%
0.8 + 0.8 + 1.3 + 2.5 [1][2]	90%	1.0 + 1.0 + 1.5 + 2.0 (2)	92%
0.8 + 0.8 + 1.3 + 3.0 [1][2]	98%	1.0 + 1.0 + 1.5 + 2.3 (2)	97%
0.8 + 0.8 + 1.3 + 4.0 [1][2]	115%	1.0 + 1.0 + 1.5 + 2.5 [1][2]	100%
0.8 + 0.8 + 1.5 + 2.3 [1][2]	90%	1.0 + 1.0 + 1.5 + 3.0 [1][2]	108%
0.8 + 0.8 + 1.5 + 2.5 [1][2]	93%	1.0 + 1.0 + 1.8 + 1.8 (2)	93%
0.8 + 0.8 + 1.5 + 3.0 [1][2]	102%	1.0 + 1.0 + 1.8 + 2.0 (2)	97%
0.8 + 0.8 + 1.8 + 2.0 [1][2]	90%	1.0 + 1.0 + 1.8 + 2.3 (2)	102%
0.8 + 0.8 + 1.8 + 2.3 [1][2]	95%	1.0 + 1.0 + 1.8 + 2.5 [1][2]	105%
0.8 + 0.8 + 1.8 + 2.5 [1][2]	98%	1.0 + 1.0 + 1.8 + 3.0 [1][2]	113%
0.8 + 0.8 + 1.8 + 3.0 [1][2]	107%	1.0 + 1.0 + 2.0 + 2.0 (2)	100%
0.8 + 0.8 + 2.0 + 2.0 [1][2]	93%	1.0 + 1.0 + 2.0 + 2.3 (2)	105%
0.8 + 0.8 + 2.0 + 2.3 [1][2]	98%	1.0 + 1.0 + 2.0 + 2.5 (2)	108%
0.8 + 0.8 + 2.0 + 2.5 [1][2]	102%	1.0 + 1.0 + 2.3 + 2.3 (2)	110%
0.8 + 0.8 + 2.0 + 3.0 [1][2]	110%	1.0 + 1.0 + 2.3 + 2.5 [1][2]	113%
0.8 + 0.8 + 2.3 + 2.3 [1][2]	103%	1.0 + 1.3 + 1.3 + 1.8 (2)	90%
0.8 + 0.8 + 2.3 + 2.5 [1][2]	107%	1.0 + 1.3 + 1.3 + 2.0 (2)	93%
0.8 + 0.8 + 2.3 + 3.0 [1][2]	115%	1.0 + 1.3 + 1.3 + 2.3 (2)	98%
0.8 + 0.8 + 2.5 + 2.5 [1][2]	110%	1.0 + 1.3 + 1.3 + 2.5 [1][2]	102%
0.8 + 1.0 + 1.0 + 3.0 [1][2]	97%	1.0 + 1.3 + 1.3 + 3.0 [1][2]	110%
0.8 + 1.0 + 1.0 + 4.0 [1][2]	113%	1.0 + 1.3 + 1.5 + 1.8 (2)	93%
0.8 + 1.0 + 1.3 + 2.3 [1][2]	90%	1.0 + 1.3 + 1.5 + 2.0 (2)	97%
0.8 + 1.0 + 1.3 + 2.5 [1][2]	93%	1.0 + 1.3 + 1.5 + 2.3 (2)	102%
0.8 + 1.0 + 1.3 + 3.0 [1][2]	102%	1.0 + 1.3 + 1.5 + 2.5 [1][2]	105%
0.8 + 1.0 + 1.5 + 2.3 [1][2]	93%	1.0 + 1.3 + 1.5 + 3.0 [1][2]	113%
0.8 + 1.0 + 1.5 + 2.5 [1][2]	97%	1.0 + 1.3 + 1.8 + 1.8 (2)	98%
0.8 + 1.0 + 1.5 + 3.0 [1][2]	105%	1.0 + 1.3 + 1.8 + 2.0 (2)	102%
0.8 + 1.0 + 1.8 + 1.8 [1][2]	90%	1.0 + 1.3 + 1.8 + 2.3 (2)	107%
0.8 + 1.0 + 1.8 + 2.0 [1][2]	93%	1.0 + 1.3 + 1.8 + 2.5 [1][2]	110%
0.8 + 1.0 + 1.8 + 2.3 [1][2]	98%	1.0 + 1.3 + 2.0 + 2.0 (2)	105%
0.8 + 1.0 + 1.8 + 2.5 [1][2]	102%	1.0 + 1.3 + 2.0 + 2.3 (2)	110%
0.8 + 1.0 + 1.8 + 3.0 [1][2]	110%	1.0 + 1.3 + 2.0 + 2.5 [1][2]	113%
0.8 + 1.0 + 2.0 + 2.0 [1][2]	97%	1.0 + 1.3 + 2.3 + 2.3 (2)	115%
0.8 + 1.0 + 2.0 + 2.3 [1][2]	102%	1.0 + 1.5 + 1.5 + 1.5 (2)	92%
0.8 + 1.0 + 2.0 + 2.5 [1][2]	105%	1.0 + 1.5 + 1.5 + 1.8 (2)	97%
0.8 + 1.0 + 2.0 + 3.0 [1][2]	113%	1.0 + 1.5 + 1.5 + 2.0 (2)	100%
0.8 + 1.0 + 2.3 + 2.3 [1][2]	107%	1.0 + 1.5 + 1.5 + 2.3 (2)	105%
0.8 + 1.0 + 2.3 + 2.5 [1][2]	110%	1.0 + 1.5 + 1.5 + 2.5 [1][2]	108%
0.8 + 1.0 + 2.5 + 2.5 [1][2]	113%	1.0 + 1.5 + 1.8 + 1.8 (2)	102%
0.8 + 1.3 + 1.3 + 2.0 [1][2]	90%	1.0 + 1.5 + 1.8 + 2.0 (2)	105%
0.8 + 1.3 + 1.3 + 2.3 [1][2]	95%	1.0 + 1.5 + 1.8 + 2.3 (2)	110%
0.8 + 1.3 + 1.3 + 2.5 [1][2]	98%	1.0 + 1.5 + 1.8 + 2.5 [1][2]	113%
0.8 + 1.3 + 1.3 + 3.0 [1][2]	107%	1.0 + 1.5 + 2.0 + 2.0 (2)	108%
0.8 + 1.3 + 1.5 + 1.8 [1][2]	90%	1.0 + 1.5 + 2.0 + 2.3 (2)	113%
0.8 + 1.3 + 1.5 + 2.0 [1][2]	93%	1.0 + 1.8 + 1.8 + 1.8 (2)	107%
0.8 + 1.3 + 1.5 + 2.3 [1][2]	98%	1.0 + 1.8 + 1.8 + 2.0 (2)	110%
0.8 + 1.3 + 1.5 + 2.5 [1][2]	102%	1.0 + 1.8 + 1.8 + 2.3 (2)	115%
0.8 + 1.3 + 1.5 + 3.0 [1][2]	110%	1.0 + 1.8 + 2.0 + 2.0 (2)	113%
0.8 + 1.3 + 1.8 + 1.8 [1][2]	95%	1.3 + 1.3 + 1.3 + 1.5 (2)	90%
0.8 + 1.3 + 1.8 + 2.0 [1][2]	98%	1.3 + 1.3 + 1.3 + 1.8 (2)	95%
0.8 + 1.3 + 1.8 + 2.3 [1][2]	103%	1.3 + 1.3 + 1.3 + 2.0 (2)	98%
0.8 + 1.3 + 1.8 + 2.5 [1][2]	107%	1.3 + 1.3 + 1.3 + 2.3 (2)	103%
0.8 + 1.3 + 1.8 + 3.0 [1][2]	115%	1.3 + 1.3 + 1.3 + 2.5 [1][2]	107%
0.8 + 1.3 + 2.0 + 2.0 [1][2]	102%	1.3 + 1.3 + 1.3 + 3.0 (2)	115%
0.8 + 1.3 + 2.0 + 2.3 [1][2]	107%	1.3 + 1.3 + 1.5 + 1.5 (2)	93%
0.8 + 1.3 + 2.0 + 2.5 [1][2]	110%	1.3 + 1.3 + 1.5 + 1.8 (2)	98%
0.8 + 1.3 + 2.3 + 2.3 [1][2]	112%	1.3 + 1.3 + 1.5 + 2.0 (2)	102%
0.8 + 1.3 + 2.3 + 2.5 [1][2]	115%	1.3 + 1.3 + 1.5 + 2.3 (2)	107%
0.8 + 1.5 + 1.5 + 1.8 [1][2]	93%	1.3 + 1.3 + 1.5 + 2.5 (2)	110%
0.8 + 1.5 + 1.5 + 2.0 [1][2]	97%	1.3 + 1.3 + 1.8 + 1.8 (2)	103%
0.8 + 1.5 + 1.5 + 2.3 [1][2]	102%	1.3 + 1.3 + 1.8 + 2.0 (2)	107%
0.8 + 1.5 + 1.5 + 2.5 [1][2]	105%	1.3 + 1.3 + 1.8 + 2.3 (2)	112%
0.8 + 1.5 + 1.5 + 3.0 [1][2]	113%	1.3 + 1.3 + 1.8 + 2.5 (2)	115%
0.8 + 1.5 + 1.8 + 1.8 [1][2]	98%	1.3 + 1.3 + 2.0 + 2.0 (2)	110%
0.8 + 1.5 + 1.8 + 2.0 [1][2]	102%	1.3 + 1.3 + 2.0 + 2.3 (2)	115%
0.8 + 1.5 + 1.8 + 2.3 [1][2]	107%	1.3 + 1.5 + 1.5 + 1.5 (2)	97%
0.8 + 1.5 + 1.8 + 2.5 [1][2]	110%	1.3 + 1.5 + 1.5 + 1.8 (2)	102%
0.8 + 1.5 + 2.0 + 2.0 [1][2]	105%	1.3 + 1.5 + 1.5 + 2.0 (2)	105%
0.8 + 1.5 + 2.0 + 2.3 [1][2]	110%	1.3 + 1.5 + 1.5 + 2.3 (2)	110%
0.8 + 1.5 + 2.0 + 2.5 [1][2]	113%	1.3 + 1.5 + 1.5 + 2.5 (2)	113%
0.8 + 1.5 + 2.3 + 2.3 [1][2]	115%	1.3 + 1.5 + 1.8 + 1.8 (2)	107%
0.8 + 1.8 + 1.8 + 1.8 [1][2]	103%	1.3 + 1.5 + 1.8 + 2.0 (2)	110%
0.8 + 1.8 + 1.8 + 2.0 [1][2]	107%	1.3 + 1.5 + 1.8 + 2.3 (2)	115%
0.8 + 1.8 + 1.8 + 2.3 [1][2]	112%	1.3 + 1.5 + 2.0 + 2.0 (2)	113%
0.8 + 1.8 + 1.8 + 2.5 [1][2]	115%	1.3 + 1.8 + 1.8 + 1.8 (2)	112%
0.8 + 1.8 + 2.0 + 2.0 [1][2]	110%	1.3 + 1.8 + 1.8 + 2.0 (2)	115%
0.8 + 1.8 + 2.0 + 2.3 [1][2]	115%	1.5 + 1.5 + 1.5 + 1.5 (2)	100%
0.8 + 2.0 + 2.0 + 2.0 [1][2]	113%	1.5 + 1.5 + 1.8 + 1.8 (2)	110%
1.0 + 1.0 + 1.0 + 2.5 [1][2]	92%	1.5 + 1.5 + 1.8 + 2.0 (2)	113%
		1.5 + 1.8 + 1.8 + 1.8 (2)	115%

[1] Not recommended for applications requiring optimum comfort.
[2] Prohibited with RCI type units.

Save energy with Utopia Prime solutions!

I am aware

By visualizing and analyzing my consumption

Using the standard PC-ARFG2-E(B) remote control

✓ Display of consumption levels
✓ Comparison by period (day, month, year)



Using the airCloudPro application

✓ Global vision of the installation
✓ View of the most energy-intensive units and times of day



I take action

Three simple, effective, and automated actions

1 Implementing programming on a weekly basis

In the commercial sector, buildings have a cyclical rhythm. Therefore, it is advisable to perform **weekly programming**.

Outside these areas, the scope of installation is limited. At Hitachi, the programmable **setback** function is used (reduces heating by between 15 and 19°C).



Ref : **PC-ARFG2-E(B)**

2 By activating the "ECO" mode associated with a motion sensor

The cassettes, ducted units, and ceiling units in the Set Free range are equipped with optional presence detectors. With ECO mode, in the event of prolonged absence, the unit will gradually:

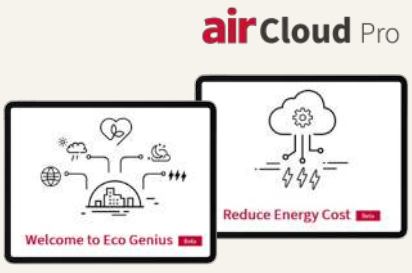
1. reduce its power rating
2. stop



Ref : **PC-ARFG2-E(B)**

3 By using the ECO-GENIUS function of the airCloud Pro

The power consumption of a VRF system depends on the load on the compressor. The new ECO-GENIUS function of the airCloud Pro incorporates an algorithm that uses **weather forecasts,**, the **temperature of the building** and the **setpoint** to optimize consumption without compromising comfort.



Redundancy & backup: Guaranteed continuity and performance



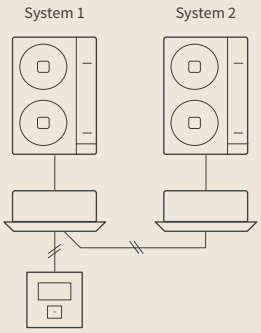
Why choose redundancy?

This feature is ideal for server rooms or sensitive areas.

The **PC-ARFG2-E(B)** remote controls can manage **up to 4 refrigeration systems** (4 outdoor units and a maximum of 16 indoor units in total). There may be between **1 and 3 systems functioning** (and therefore between **1 and 3 on standby**). In this configuration, a single remote control manages the entire installation.

Concept with two systems

(valid for up to 4 refrigeration systems*)



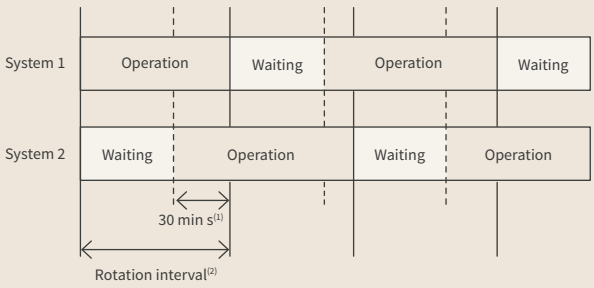
* compatible with heat pump and Utopia Prime

Rotation function

Optimize the performance and reliability of your air conditioning systems with **this smart rotation function**. It automatically alternates the operation of the units to balance their usage time, reduce wear and tear, and extend the life of the equipment.

Advantages:

- ✓ Even distribution of operations between systems
- ✓ Reduced risk of failure
- ✓ Configurable rotation interval (9 hours to 96 hours)
- ✓ Flexible management of 2 to 4 systems with backup option
- ✓ Rotation procedure:



The number of systems in operation can be configured as follows:
- a maximum of 4 systems,
- between 1 and 3 systems in operation and the remaining systems are in backup mode.
- Example for 3 systems: 1 system in operation and 2 in backup mode, or 2 systems in operation and 1 in backup mode

(1) In order to stabilize its operating condition, it must be started up within 30 minutes.
(2) Choose between "9 hrs" (default), "24 hrs," "48 hrs," "72 hrs," and "96 hrs."

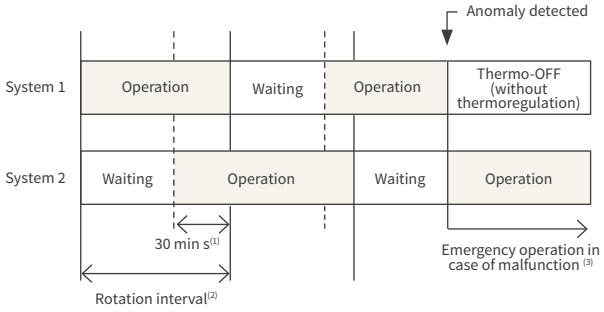
Backup function

Assure **optimum service continuity** with the integrated backup function.

In the event of a fault, standby systems automatically take over to maintain operation and prevent any interruption.

Advantages:

- ✓ Enhanced safety in the event of a breakdown
- ✓ Automatic switching of standby units
- ✓ Return to normal rotation once the anomaly has been resolved
- ✓ Guaranteed reliability for your critical installations
- ✓ Rotation operation in case of anomaly:



(1) In order to stabilize its operating condition, it must be started up within 30 minutes.
(2) Choose between "9 hrs" (default), "24 hrs," "48 hrs," "72 hrs," and "96 hrs."
(3) When the problem has been resolved, it returns to the rotation operation. The rescue operation continues for at least 30 minutes in the event of a problem arising. All standby systems are in backup mode when a fault occurs.

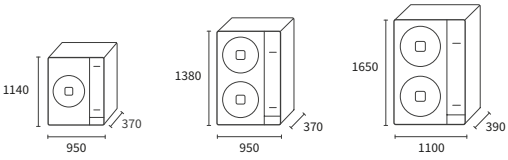
Micro VRF (IVX Prime & IVX Comfort)

Reversible system
4 - 6 hp (R32/R410A) / 8 -12 hp (R410A)

SEER 8.35 SCOP 4.75 EUROVENT CERTIFIED PERFORMANCE



Outdoor units



RAS-4H(V)(N/R)P2E
RAS-5H(V)(N/R)P2E
RAS-6H(V)(N/R)P2E

RAS-8HNCE
RAS-10HNCE

RAS-12HNC

Compatible controls and accessories

Individual checks



Fully wired
Ref : **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared
Model: **PC-AWR**

Other accessories



OU condensate evacuation kit
Model: **DBS-26**
(4/5/6/8/10/12 HP)



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

+ SERVICES

Flexible installation

- 30 Pa of pressure available on IVX Prime 4 to 6 hp.
- Up to 4 connected indoor units.
- OU IVX Comfort 8-10 HP compatible ducted units 8 - 20 hp.
- Corrosion-resistant heat exchanger.

+ APPRAISAL

Energy savings and eligible for Energy Efficiency Certificates (EEC)

- SCOP up to 4.75 / SEER up to 8.35.
- Up to -20°C in Heating mode.
- From -15°C to 46°C in Cooling mode (IVX Comfort).
- From -5°C to 46°C in Cooling mode (IVX Prime).

+ FUNCTIONAL & ENVIRONMENTAL

Customized comfort

- Independent temperature adjustment on each indoor unit.
- The "GENTLE COOL" function is accessible with wired remote controls. In summer, cold drafts are avoided by setting a minimum airflow temperature.

1st heat pump Hitachi with R32 (GWP: 675)

- 75% reduction in environmental impact.
- Lower TeqCO2 equivalence compared to R410A (GWP: 2088).
- Easy to recover and reuse.
- Installation and maintenance very similar to R410A.

Micro VRF IVX PRIME

		Version R32 (4 ~ 6Hp)			Version R410A (4 ~ 6Hp)		
Model	**Unit**	**RAS-4H(V)RP2E**	**RAS-5H(V)RP2E**	**RAS-6H(V)RP2E (*)**	**RAS-4H(V)NP2E**	**RAS-5H(V)NP2E**	**RAS-6H(V)NP2E (*)**
Performance, cooling							
Capacity, cooling (min-max)	kW	10.00(4.50- 11.20)	12.50(5.70- 14.00)	14.00(6.00- 16.00)	10.00(4.50- 11.20)	12.50(5.70- 14.00)	14.00(6.00- 16.00)
Absorbed capacity cooling	kW	2.51	3.42	4.38	2.81	3.83	4.91
EER[1]	-	3.98	3.66	3.24	3.70	3.37	3.26
SEER (single-phase - three-phase)	-	7.31(V) - 6.96	8.35(V) - 8.20	7.35(V) - 7.25	6.57(V) - 6.41	6.10(V) - 6.06	5.88(V) - 5.85
Seasonal energy efficiency rating cooling ∩s, c	%	-	**331.0(V) - 325.0**	**291.0(V) - 287.0**	-	**309.0(V) - 304.0**	**277.4(V) - 273.8**
Operating ranges Cooling	-	-5°C/46°C (DB)			-5°C/46°C (DB)		
Performance, heating							
Capacity Heating (min-max)	kW	10.00 (5.00 - 14.00)	12.50 (5.00 - 18.00)	14.00 (5.00 - 20.00)	11.20 (5.00 - 14.00)	12.50 (5.00 - 18.00)	14.60 (5.00 - 20.00)
Absorbed capacity heating	kW	2.60	3.39	3.64	2.56	3.39	3.64
COP[1]	-	4.31	4.13	4.40	4.57	3.89	4.23
SCOP (average climate)	-	4.60	4.75	4.73	4.47	4.00	4.05
Seasonal energy efficiency rating heating ∩s, h	%	-	**184**	**185**	-	**184**	**185**
Operating ranges heating	-	-20°C/18°C (WB)			-20°C/18°C (WB)		
Technical characteristics							
Airflow (cooling)	m^3/h	4800			4800		
Noise level in Cooling mode (night-time pressure)	dB(A)	52 (50)	53 (50)	55 (53)	52 (50)	54 (53)	55 (53)
Sound power	dB(A)	68	69	71	68	69	71
Net weight	kg	86 (84)			86 (84)		
Dimensions (HxLxD)	mm	1140 x 950 x 370			1140 x 950 x 370		
Min. power of indoor unit	hp (horsepower)	0.8			0.8		
Number of connectible units (min - max)	-	1 - 4			1 - 4		
Available pressure for the fan	Pa	30			30		
Connectible power (min.-max.)	%	90% - 115%			90% - 115%		
Compressor	-	Inverter DC rotary unit			Inverter DC rotary unit		
Cooling properties							
Maximum length/Added refrigerant	m/(g/m)	75 / 45			75 / 60		
Initial refrigerant fill	kg	3.0			3.2		
Preloaded for	m	20			20		
Minimum length	m	5			5		
Max. drop (OU above/below)	m	30 / 20			30 / 20		
Diameter of pipes (Liq/Gas)	mm inches	9.52 (3/8) - 15.88 (5/8)			9.52 (3/8) - 15.88 (5/8)		
Refrigerant	-	R32			R410A		
Electrical features, outdoor unit							
Power supply	-	3N~ 400V 50 Hz (1~ 230V 50 Hz) + Neutral + Ground			3N~ 400V 50 Hz (1~ 230V 50 Hz) + Neutral + Ground		
Maximum current	A	15.0 (22.5)			15.0 (22.5)		
Cable section (EN 60 335-1)[2]	mm^2	5 x 4.00 (3 x 6.00)			5 x 4.00 (3 x 6.00)		
Indoor/outdoor connection (protected)	mm^2	2 x 0.75[2]			2 x 0.75[2]		

[1] Performance values are stated for RCI-FSR cassettes in accordance with Eurovent benchmarks.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
(V) Single-phase version.
* A maximum of 2 800x800 RCI type cassettes can be connected.

Micro VRF IVX Comfort

Model	Unit	RAS-8HNCE	RAS-10HNCE	RAS-12HNC
Performance, cooling				
Nominal power (min - max) (1*)	kW	20.00(8.00- 22.40)	25.00(10.00- 28.00)	30.00(11.20- 33.50)
Nominal absorbed capacity (5*)	kW	5.95	8.28	11.67
EER	-	3.36	3.02	2.57
SEER (average climate) (5*)	-	6.79	6.61	5.30
Seasonal energy efficiency rating cooling ηs, c	%	**268.6**	**261.4**	**209.0**
Operating ranges*	-	(OPT -15°C)-5°C/+46°C (DB)		
Performance, heating				
Nominal power (min - max) (1*)	kW	20.00(6.30- 28.00)	25.00(8.00- 35.00)	30.00(9.00- 37.50)
Nominal absorbed capacity	kW	5.25	6.89	8.47
COP (5*)	-	3.81	3.63	3.54
SCOP (average climate) (5*)	-	4.19	3.79	3.66
Seasonal energy efficiency rating heating ηs, h	%	**164.6**	**148.6**	**143.4**
Operating ranges	-	-20°C/18°C (WB)		
Technical characteristics				
Airflow (cooling)	m³/h	7620	8040	9780
Noise level in Cooling mode (night-time pressure)	dB(A)	57 (55)	58 (56)	59 (56)
Sound power	dB(A)	76		77
Net weight	kg	133	138	168
Dimensions (HxLxD)	mm	1380 x 950 x 370		1650 x 1100 x 390
Min. power of indoor unit	hp (horse-power)	1.8		
Number of connectible units (min - max)	-	1 - 4 (3*)		
Connectible power (min.-max.)	-	90% - 115%		
Compressor	-	Scroll Inverter		
Cooling properties				
Maximum length/Added refrigerant	m/(g/m)	100/to be calculated according to technical documentation		
Initial refrigerant fill	kg	5.3	6	6.7
Preloaded for	m	Load to be calculated in acc. with technical documentation		
Max. drop (outdoor unit above/below)	m	30 / 20		
Diameter of pipes (Liq/Gas)	inches	3/8 - 1	1/2 - 1	
Refrigerant	-	R410A		
Electrical features, outdoor unit				
Power supply	-	3N ~ 400V 50 Hz + Neutral + Ground		
Maximum current	A	24		
Cable section (4*)	mm²	5 x 6.00		
Indoor/outdoor connection (protected) (2*)	mm²	2 x 0.75 (2*)		

* To ensure cooling mode at -15°C, use the "cooling only" and "master/slave" switch settings.
(1*) If longer than 70 m, halve the diameter of the liquid pipe.
(2*) Shielding must be renewed every 300 m.
(3*) With 100% connection.
(4) Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
(5*) Performance values are stated for RCI-FSR1 cassettes in accordance with Eurovent benchmarks.
(6*) Only with a connection rate of 50% to 100%; beyond that, max. 1 or 2 units respectively.
(V) Single-phase version.

Compatible controls and accessories



Condensation drainage kit

DBS-26 (models IVX Comfort 4 / 5 / 6 / 8 / 10 / 12 hp)



Refrigerant connection kit

Installation rules
Micro VRF (IVX Prime and IVX Comfort)

Quantity of indoor units

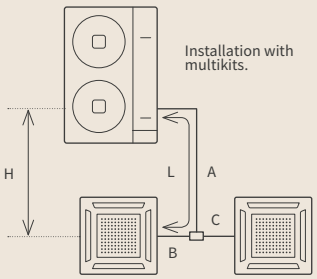
Outdoor unit (hp)	4	5	6	8	10	12
Max. number of indoor units	4		4*	4		
Min. power of indoor unit	0.8			1.8		

Permitted connection rate

Outdoor unit	hp (horse-power)	4	5	6	8	10	12
Max. number of indoor units	1	90~115%			90~115%		
	2	3.6 to 4.6 hp	4.5 to 5.75 hp	5.4 to 6.9 hp	7.2 to 9.2 hp	9 to 11.5 hp	10.8 to 13.8 hp
	3 or 4	90~100%					
		3.6 to 4 hp	4.5 to 5 hp	5.4 to 6 hp			

8-12 hp units:

- 8 sizes & 10 hp-compatible ducted 8-20 hp
- Up to 4 connected units (wall-mounted, cassette, ducted, ceiling-mounted, console, etc.)



On systems where all units are RCI-FSR models, the maximum connection rate of connected indoor units is 100%, and the maximum number of connected indoor units is 4.

Units of 4 to 12 hp:

Authorized installation (1 to 4 indoor units)



Outdoor unit		hp (horsepower)	4	5	6	8	10	12
Max. length between outdoor unit and the furthest indoor unit	Actual length	m	75	75		100		
	Equivalent length	m	95	95		125		
Max. drop outdoor unit to indoor unit (H) (outdoor unit above/below)		m	30 / 20					
Max. drop from indoor unit to indoor unit		m	3					
Max. drop from Multikit to indoor unit/Multikit to Multikit		m	3					
Total length of the pipe		m	85 (with 2, 3, or 4 indoor units)	85 (with 2, 3, or 4 indoor units)		100	145	
Max. length of indoor unit to Multikit		m	10				15	
Max. length of first Multikit to indoor unit		m	15				25	
Length of main branch A		m	A > B, C, D, E, F, G					
Max. imbalance between branches	B-C	m	< 10m			< 8m		

Multikit part numbers		hp (horsepower)	E-102SN4	E-162SN4	
Diameter of the main line			-	Constant diameter	
Diameter of outdoor unit - first multikit	Liq/Gas	-	3/8 - 5/8	3/8** - 1	1/2 - 1

Power of indoor unit	hp (horsepower)	< 1.5	1.8 to 2.0	2.3 to 6.0
Diameter of the indoor unit multikit	-	1/4 - 1/2	1/4 - 5/8	3/8 - 5/8

* Caution: When connecting RCI cassettes, the max. number is limited to two.
**If tube length exceeds 70m, use a 1/2" instead of 3/8" liquid line.

Benefits
Micro VRF (IVX Prime and IVX Comfort)

1 The smallest VRF on the market, from the widest range of its class.



Small businesses and offices also have a variety of air-conditioning requirements and demand the best level of comfort. Available from 5 kW to 30 kW, the Micro VRF range meets the needs of any projects, no matter how much space is available.

2 Pressure available 30 Pa on IVX Prime and flexible installation options

The new 4 to 6 hp single fan range comes with 30 Pa of pressure. A 14 kW (6 hp) unit takes up only 0.35 m^2 of floor space. No pressure available on the IVX Comfort units (8 to 12 hp).

3 Independently control indoor units IVX Prime and IVX Comfort



Depending on the direction they are facing, many buildings may have a different thermal load in each zone. In this case:
- Individual adjustment of the set temperature is useful.
- Individual control is an ideal solution for small and medium-sized service businesses.

4 A wide choice of indoor units



In the same building, the requirements in terms of aesthetics, space, and temperature are different in each room. So it fits into any space, the Micro VRF range is compatible with all SYSTEM FREE indoor units: Wall, Ducted, Cassette, Console and Ceiling.

5 Less piping, more savings

- An interesting alternative to multi-split systems,
- Ease of installation,
- Unique pipework allows the outdoor unit to be connected to each of the indoor units using a multikit.
- Reduction in the number of refrigeration connections.

6 Even greater flexibility

- Heat pump technology,
- Up to 100 m of total refrigerated length,
- 30 m difference in elevation between indoor unit and OU (OU above), 20 m if OU below,
- Installation of indoor units on different floors connected to the same refrigeration line.

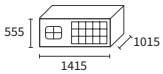
Micro VRF IVX Centrifugal

Reversible system
4 - 10 hp (R410A)

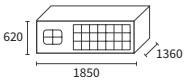
SEER 5.60 | SCOP 3.98 | EUROVENT CERTIFIED PERFORMANCE



Outdoor units



RASC-4HNPE
RASC-5HNPE
RASC-6HNPE



RASC-8HNPE
RASC-10HNPE

Compatible controls and accessories

Individual checks



Fully wired
Ref : **PC-ARFG2-E(B)**



Simple wired system
Model: **PC-ARC-E**



Infrared
Model: **PC-AWR**

Indoor unit control accessories

Fan blower intake at a right angle
Model: **FD-RASC46**
Model: **FD-RASC810**



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

SERVICES

Easy to implement

- Suspended monobloc system: Intake and fan blower can be adjusted to suit the situation (same side or at right angle).
- Available pressure up to 120 Pa.
- In addition, the air inlet and outlet grilles are interchangeable.

APPRAISAL

High seasonal performance

- SCOP up to 3.98 / SEER up to 5.6.
- Up to -15°C in Heating mode.
- From -5°C to 46°C in Cooling mode.

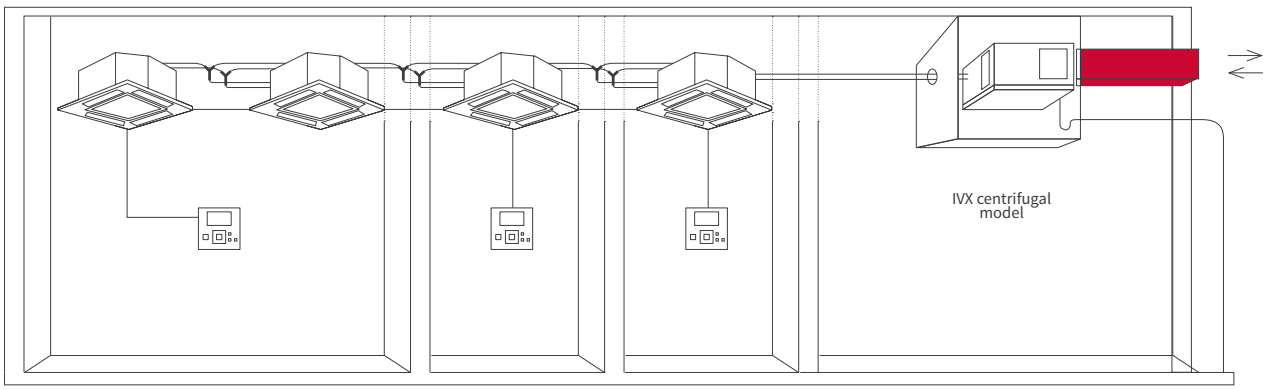
COMFORT

Customizable personal comfort

- The VRF IVX Centrifuge can cool up to 6 different zones and offers greater comfort.
- Independent control of each indoor unit.
- Smart defrosting. This lengthens the warming period and brings more comfort.

Ideal solution for downtown applications

Groups invisible from the outside thanks to installation in false ceilings or technical rooms.



Micro VRF IVX Centrifugal

Model	Unit	RASC-4HNPE	RASC-5HNPE	RASC-6HNPE	RASC-8HNPE	RASC-10HNPE
Performance, cooling						
Nominal power (min - max)	kW	10.00 (7.5-12)	12.50 (9.4-15)	14.00 (10.5-16.8)	20.00 (15-24)	24.00 (18-28.8)
Nominal absorbed capacity	kW	2.99	3.98	5.09	7.41	9.02
EER	-	3.35	3.14	2.75	2.70	2.66
SEER (average climate)	-	5.60	5.43	5.22	5.39	5.48
Seasonal energy efficiency rating cooling Πs, c	%	**221** (*)	**214** (*)	**206** (*)	**212** (*)	**216** (*)
Operating range	°C	-5°C/+46°C (DB)				
Performance, heating						
Nominal power (min - max)	kW	10.00 (8.4-13.4)	12.50 (10.5-16.8)	14.00 (12-19.2)	20.00 (16.8-26.9)	24.00 (19.5-31.2)
Nominal absorbed capacity	kW	2.64	3.68	5.19	6.25	7.87
COP	-	3.80	3.40	2.70	3.20	3.05
SCOP (average climate)	-	3.98	3.74	3.66	3.51	3.71
Seasonal energy efficiency heating Πs, h	%	**156**	**146**	**143** (*)	**137** (*)	**145**
Operating range	°C	-15°C/+15.5°C (WB)				
Technical characteristics						
Airflow (cooling)	m^3/h	3300	3600		6900	
Available pressure (rated/max.)	Pa	56 / 90	72 / 100	100 / 100	84 / 120	102 / 120
Sound power	dB(A)	70	71	72	74	75
Sound pressure in Cooling (night pressure)	dB(A)	52 (48)		53 (49)	55 (51)	56 (52)
Net weight	kg	192			300	303
Dimensions (HxLxD)	mm	555 x 1515 x 1175			620 x 1850 x 1360	
Diameter of pipes (Liq/Gas)	inches	3/8 - 5/8			3/8 - 1	1/2 - 1
Compressor	-	Scroll Inverter				
Grille dimension (fresh air intake)	-	444 x 642			509 x 925	
Grille dimension (expel)	-	288 x 334			337 x 398	
Min. power of indoor unit	hp (horse-power)	0.8				
Number of connectible units (min - max)	-	1 - 5			1 - 6	
Cooling properties						
Refrigerant	-	R410A				
Initial refrigerant fill	kg	4.1	4.2		5.7	6.2
Maximum length / Refrigerant top-up	m/g/m	75/see technical documentation			100/see technical documentation	
Preloaded for	m	30				
Max. drop (outdoor unit above)	m	30 / 20				
Electrical features						
Power supply	-	400V / 3 Ph + N / 50 Hz + Neutral + Ground				
Maximum current	A	14.1		16.0	24.7	
Cable section (1)	mm^2	5 x 4.00			5 x 6.00	
Indoor/outdoor connection (shielded)	mm^2	2 x 0.75				

(1) The information provided is for information purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.

Cooling connections
Micro VRF IVX Centrifugal

Quantity of indoor units

Outdoor unit	hp (horse-power)	4	5	6	8	10
Max. number of indoor units			5		6	
Min. power of indoor unit			0.8			

Permitted connection rate

Outdoor unit	hp (horse-power)	4	5	6	8	10
Max. number of indoor units	1 to 4		75~120% (≤ 4 units) 75~100% (≤ 5 units)		75~120% (≤ 4 units) 75~100% (≤ 5 or 6 units)	
		3 to 4.8 hp	3.8 to 6 hp	4.5 to 7.2	6 to 9.6 hp	7.5 to 12 hp
	5			75~100%		
		3 to 4 hp	3.8 to 5 hp	4.5 to 6 hp	6 to 8 hp	7.5 to 10 hp
	6		-		75~100%	
			-		6 to 8 hp	7.5 to 10 hp

* If more than 4 indoor units are connected, the power of the indoor units must be balanced out according to the table below.

Authorized combinations of indoor units for all outdoor units

The most powerful unit in the combination	0.80	1.00	1.30	1.50	1.80	2.00	2.30	2.50	3.00	4.00	5.00	6.00
The least powerful unit in the combination	0.80				1.00			1.30		1.50	1.80	2.00

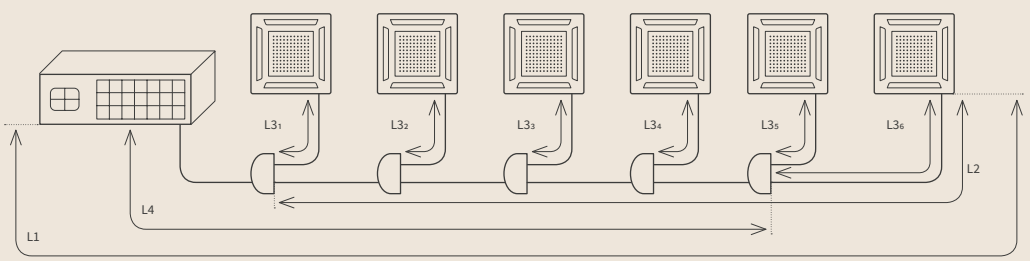
RASC-10HNPE: Special combinations allowed for the outdoor unit

	Power combinations of authorized indoor units (hp)					
Max. number of indoor units	2	8 + 3	8 + 2	10 + 3	10 + 2	-
	3	8 + 2 + 2	8 + 1.5 + 1.5	8 + 1 + 1	10 + 1.5 + 1.5	10 + 1 + 1

Units of 4 to 10 hp:
Permitted installation (1 to 6 indoor units)

- Installation of the system with bypasses.
- 1 or 2 lines of constant diameter.
- Installation with more than 4 indoor units: refrigerant connections with one main line permitted (no two branches allowed).


Multi-Kit



Installing DX kits with heat pump Centrifuge units allows for regulation on the return air only (therefore, single-flow AHU configuration is permitted): 100% recirculated air (with the option of adding 10% fresh air). 1x1 connection permitted (one group for one CTA kit).

Permitted connection rate

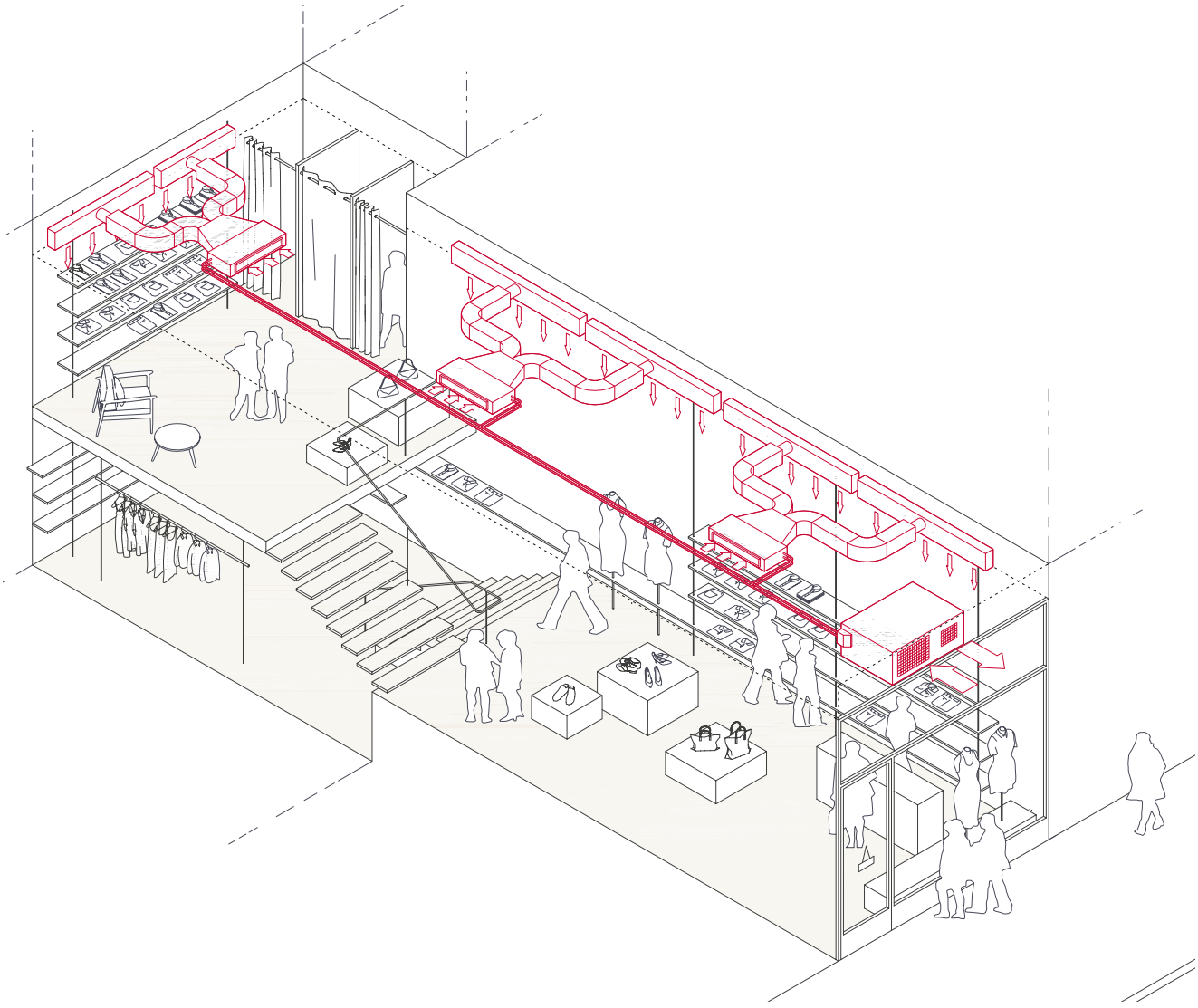
Outdoor unit		hp (horse-power)	4	5	6	8	10
Max. length between outdoor unit and the furthest indoor unit	Actual length	m	75			100	
	Equivalent length	m	95			125	
Max. drop from outdoor unit to indoor unit (H) (outdoor unit above/below)		m	30/20				
Max. drop from indoor unit to indoor unit		m	10				
Max. drop from Multikit to indoor unit/Multikit to Multikit		m	3				
Total length of the pipe		m	95			100	145
Max. length of indoor unit to Multikit		m	10			15	
Max. length of first Multikit to indoor unit		m	30			40	

Multikit part numbers		hp (horse-power)	E-102SN4	E-162SN4	
Diameter of the main line			-	Constant diameter	
Diameter of outdoor unit - first multikit	Liq/Gas	"	3/8 - 5/8	3/8* - 1	1/2 - 1

**If the pipe is longer than 70m, use a 1/2" liquid line instead of 3/8".

Power of indoor unit		hp (horse-power)	< 1.5	1.8 to 2	2.3 to 6	8	10
Diameter of the indoor unit multikit	Liq/Gas	"	1/4 - 1/2	1/4 - 5/8	3/8 - 5/8	3/8 - 3/4	3/8 - 7/8

Example of an implementation:



*Non-contractual contract.


HITACHI
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Quick selection table

	4	5	6	8	10	12	14	16	18	20	22	24	26	>26
SET FREE Mini VRF 2-pipe (4 - 12hp) VRF 3-pipe (8– 12hp) Max number of IU connected: 39 • Refrigerant R410A	●	●	●	●	●	●	-	-	-	-	-	-	-	-
Standard air365 Max efficiency VRF 2-pipe VRF 3-pipe Max number of IU connected: 64 • Refrigerant R410A (8 - 96 hp) • Refrigerant R32 (8 - 52 hp) : **Available in July 2026, 3-pipe available in 2027**	-	-	-	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	- ●	● ●
air365 Max Pro High-Performance VRF 2-pipe VRF 3-pipe Max number of IU connected: 64 • Refrigerant R410A (5 - 54 hp) • Refrigerant R32 (5 - 36 hp) : **available in July 2026, 3-pipe available in 2027**	-	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	- ●	● ●

All our heat pump units must be electrically connected to earth + neutral.

Technical characteristics

VRF system

OUTDOOR UNITS	FEATURES			
	Technology	Supply voltage	Connection rate range	Max. number of connected indoor units
SET FREE Mini Refrigerant R410A (4 - 12 hp) 	Heat pump 2-pipe (reversible) & 3-pipe (energy recovery on 8-12 hp)	400V / 3 / 50 Hz and 230V / 1 / 50 Hz (+Ground+N)	50 - 130%	39
air365 Max Refrigerant R410A (8 - 96 hp) NEW Refrigerant R32 (8 - 52 ho) **Available in July 2026** 	Heat pump 2-pipe (reversible) & 3-pipe in R410A (energy recovery)	400V/3/50 Hz (+Ground+N)	50 - 130% (*200% depending on application)	64
air365 Max Pro High-Performance Refrigerant R410A (5 - 54 hp) NEW Refrigerant R32 (5 - 36 hp) **Available in July 2026** 	Heat pump 2-pipe (reversible) & 3-pipe in R410A (energy recovery)	400V/3/50 Hz (+Ground+N)	50 - 130% (*200% depending on application)	64

VRF SET FREE Mini

EXCLUSIVE TO HITACHI



- Exclusive solution, 2-pipe/3-pipe (8 to 12 hp)
- Reversible from 4 to 12 hp
- Available pressure: 30 Pa
- Exclusivity: Wide choice of compatible indoor units from 0.4 hp
- Up to 39 connectable indoor units
- Ideal for small, medium, and large commercial applications

air365 Max



- Standard efficiency
- 2-pipe / 3-pipe available on the same unit (version R410A)
- **Version R32: Available in July 2026**
- Available from 8 to 96 HP (R410A)
- Available from 8 to 52 HP (R32) : 2 pipes
- Reversible heat pump solution and heat recovery (R410A)
- Space and cost savings (single module up to 67 kW)
- Exclusive comfort: "GENTLE COOL" and "smooth drive control" functions
- Available pressure: 80 Pa
- Ideal for medium and large commercial applications

					IU
Min. power of connected indoor units	Maximum/total pipe length	Max drop between OU - IU (OU above/below)	Max. drop between indoor units	Operating ranges (ext. temp)	
0.4 hp (1.1 kW cooling)	From 40 to 90 m / (4-6 hp : 180 m and 8-12 hp : 500 m)	50 m/40 m (depending on the model)	15 m	Heating mode -20° ~ 15°C BH Cooling mode -5° ~ 48°C BS	From 1.1 to 56 kW +100 models
0.4 hp (1.1 kW cooling)	200 m/1000 m	50 m/40 m	40 m	Heating mode -25° ~ 15°C BH Cooling mode -10° ~ 52°C BS	- Cassette - Ducted unit - Wall unit - Console - Ceiling unit - Hydraulic module
0.4 Hp (1.1 kW cooling)	200 m/1000 m	50 m/40 m	40 m	Heating mode -25° ~ 15°C BH Cooling mode -10° ~ 52°C BS	

air365 Max Pro

NEW · R32 REFRIGERANT · R410A REFRIGERANT



- High-performance range
- 2-pipe / 3-pipe available on the same unit (version R410A)
- **Version R32: Available in July 2026**
- Available from 8 to 52 HP (R410A)
- Available from 5 to 36 HP (R32) : 2 pipes
- Reversible heat pump solution and heat recovery (R410A)
- Space and cost savings (single module up to 50 kW)
- Exclusive comfort: "GENTLE COOL" and "smooth drive control" functions
- Available pressure: 80 Pa
- Ideal for medium and large commercial applications

ORIGINAL · R32 REFRIGERANT · R410A REFRIGERANT

SmoothDrive technology

airCloud Tap + **NFC technology**

Gas reinjection compressor

Smart defrost

New oil return management technology

Unique patented heat exchanger design



* 200% connection rate depending on applications: see applicable restrictions in the TC (technical documentation).

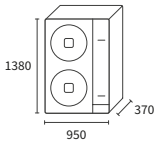
Heat pump Set free Mini

Reversible system / Energy recovery 4 - 12 hp (R410A)

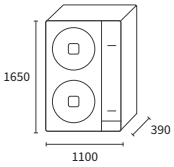
R410A REFRIGERANT · SEER 8.31 · SCOP 5.62 · EUROVENT CERTIFIED PERFORMANCE



Outdoor units



RAS-4FS(V)NME
RAS-5FS(V)NME
RAS-6FS(V)NME



RAS-8FSXNME
RAS-10FSXNME
RAS-12FSXNME

Compatible controls and accessories

Installation of accessories



Condensation drainage kit
Model: **DBS-26**



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)



CSNET Manager 2 SL (web)

CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

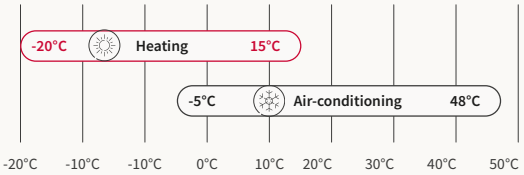
Remote access



airCloud Pro
Model: **HC-IOTGW**

SERVICES

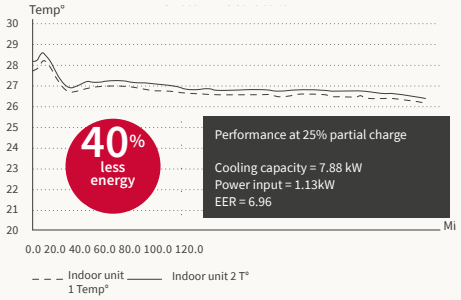
- **Wide outdoor operating ranges.**



- **2-pipe / 3-pipe on the 8-12 hp units** (energy recovery).

APPRAISAL

Smooth Control Drive 1.0 regulation



COMFORT

Smart Defrost for maintaining warmth and comfort

- The intelligent defrost mode ensures a longer heating period without defrosting..
- This period automatically adjusts based on the defrost time of previous cycles and can extend up to 4 hours..

Heat exchanger with reinforced protection



VRF SET FREE Mini S and L (2-pipe / 3-pipe)

Model		Unit	RAS-4FS(V)NME	RAS-5FS(V)NME	RAS-6FS(V)NME	RAS-8FSXNME	RAS-10FSXNME	RAS-12FSXNME
Performance, cooling								
Capacity Cooling		kW	12.10	14.00	16.00	22.40	28.00	33.50
Absorbed capacity cooling		kW	2.97	3.26	4.35	6.25	7.27	9.36
EER		-	4.07	4.29	3.68	3.60	3.85	3.58
SEER		-	6.67(V) - 6.61	6.64(V) - 6.61	6.40(V) - 6.37	7.59	8.31	8.26
Seasonal energy efficiency rating cooling ⊓s, c		%	**264(V) - 261**	**262.6(V) - 261**	**253(V) - 251.8**	**300.6**	**329.4**	**327.4**
Operating ranges Cooling		-	-5°C/48°C (DB)					
Performance, heating								
Maximum Heating Power		kW	12.82	16.42	18.50	25.20	32.32	38.47
Capacity Heating		kW	12.10	14.00	16.00	22.40	28.00	33.50
Absorbed capacity heating		kW	2.89	3.57	4.30	5.32	6.89	9.15
Capacity at -7°C		kW	8.60	10.80	12.00	18.60	21.50	25.50
Capacity at -15°C		kW	7.30	8.70	10.00	16.20	17.70	21.10
COP		-	4.33	4.48	4.19	4.70	4.57	4.10
SCOP		-	4.15	4.40	4.25	5.62	4.72	4.66
Seasonal energy efficiency rating heating ⊓s, h		%	**163.0**	**173.0**	**167.0**	**221.8**	**185.8**	**183.4**
Operating ranges heating		-	-20°C/15°C (WB)					
Technical characteristics								
Airflow		m^3/h	8,700			9,900	11,100	
Adjustable static pressure		Pa	30					
Number of fans		-	2					
Sound pressure in Cooling mode		dB(A)	69	72	74	76	77	
Sound pressure in Cooling mode		dB(A)	52		53	55	59	60
Dimensions (HxLxD)		mm	1380 x 950 x 370			1650 x 1100 x 390		
Net weight		kg	114(V) - 115		118(V) - 119	188	194	196
Type of compressor		-	Scroll Inverter					
Compressor number		-	1					
Max. number of connectible units		-	13	16	18	26	32	39
Connection rate		%	50-130					
Cooling properties								
Refrigerant		-	R410A					
Refrigerant load		kg	3.7	4.1		4.2	5.5	
Dimension of cooler connections	Liquid	mm (inches)	9.52 (3/8)					12.70 (1/2)
	Low pressure gas	mm (inches)	-			19.05 (3/4)	22.20 (7/8)	25.40 (1)
	High/low pressure gas	mm (inches)	15.88 (5/8)			15.88 (5/8)	19.05 (3/4)	22.20 (7/8)
Electrical features								
Power supply	Three-phase (Single-phase)	-	3N ~400V 50 Hz + Neutral + Ground (1 ~230V 50 Hz + Neutral + Ground)			3N ~400V 50 Hz + Neutral + Ground		
Maximum current	Three-phase (Single-phase)	A	16 (28.5)			18	19	23
Indoor/outdoor connection (shielded)		mm^2	2 x 0.75					

(V) Single-phase version.

Benefits
Heat pump SET FREE Mini (4-12 hp)

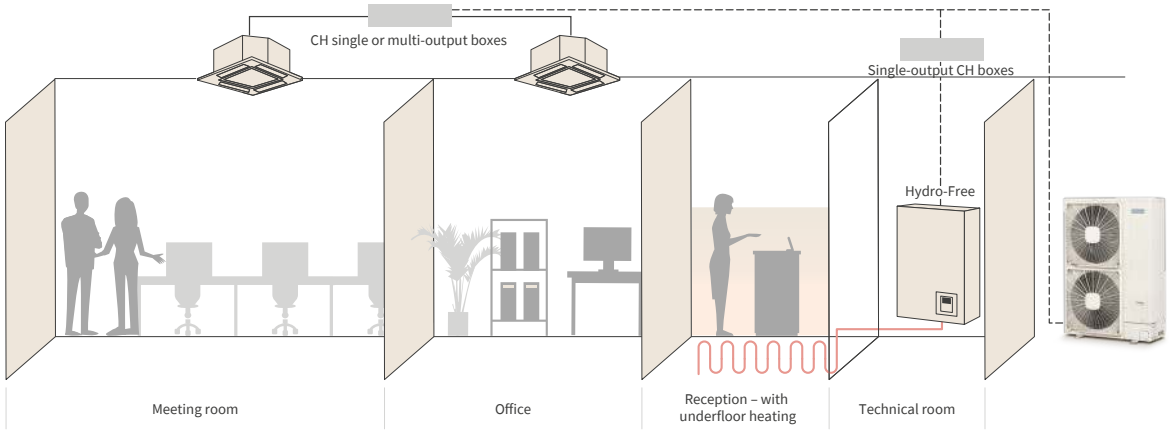
A single unit for operation in 2-pipe or 3-pipe systems (heat recovery from 8 to 12 hp): in the same building, depending on its north or south orientation, one room can be heated and another cooled at the same time thanks to the heat recovery on the CH box. This means that air conditioning and heating can be used simultaneously for greater occupant comfort.

1 Choice of 2-pipe / 3-pipe (8 to 12 hp)



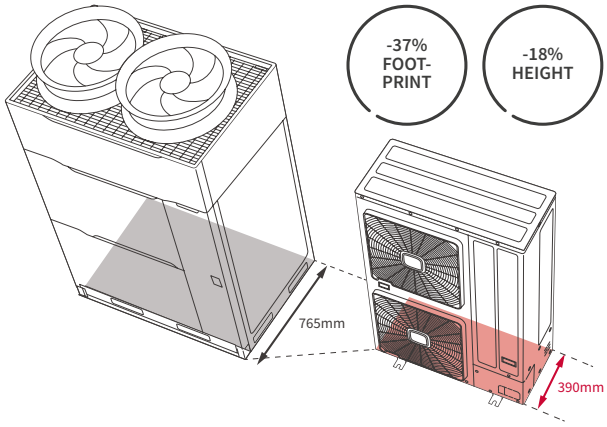
CH heat recovery unit

EXCLUSIVE TO HITACHI



- Reversible SET FREE Mini range from 4 to 12 hp,
- Compatibility with 2-pipe/3-pipe 8 to 12 hp "exclusive,"
- The essential solution for personalized comfort when outdoor space is limited.

2 The most compact 3-pipe mini VRF in the world



With its low footprint, the SET FREE Mini can be installed discreetly for maximum comfort.

3 High number of indoor units that can be connected

Outdoor group (hp)	Number of indoor units that can be connected
4	13
5	16
6	18
8	26
10	32
12	39

The new SET FREE Mini offers the possibility of connecting up to 39 indoor units (refer to the TC).
Exclusive: Even greater flexibility with a wide range of units starting at 0.4 hp (wall-mounted, cassette, and ducted).

4 Static pressure available



With 30 Pa, the unit can be hidden. This solution recirculates the air to force it through the grid at speed, therefore avoiding recycling.

The OU can be ducted to preserve the appearance of the building.

5 Compatibility with all Set Free indoor units with regulated blowing temperature function for greater comfort "Gentle Cool"

GENTLE COOL

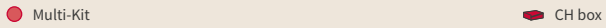
The ‘GENTLE COOL‘ regulated airflow temperature function, accessible via the PC-ARFG2(3)-E(B) wired remote control, makes it possible:

- To set the minimum airflow temperature for greater comfort.
- In summer, cooling air currents are avoided as you can set the fan blower temperature to the minimum setting.



Cooling connections
VRF SET FREE Mini

Cooling connections



				4 to 6 hp	8 to 12 hp	8 to 12 hp (energy recovery)
Max. length of piping	Total		-	180	500	500
	Between outdoor unit and the furthest indoor unit		L1	85	125	125
	Between the first multikit branch and the furthest indoor unit		L2	40	90*	90*
	Between the multikit and the indoor unit		L3	15	40	40
	Between the CH box and the indoor unit		-	-	-	40
Max. drop	Between the outdoor unit and the indoor unit	Outdoor unit above the indoor unit	H1	30	50	50
		Indoor unit above the outdoor unit	-	30	40	40
	Between indoor units		H2	15	15	15
	Between CH boxes		H3	-	-	15
	Between indoor units connected to a CH box (same branch)		H4	-	-	4
	Between the CH box and the indoor unit		H5	-	-	15

(*) 60 m over the recommended number of indoor units.

Part numbers of cooler accessories

Multi-Kit



2-pipe	3-pipe
E-102SN4	E-102XN3
E-162SN4	E-162XN3

Collector



2-pipe	3-pipe
MH-84AN1	MH-108XN
MH-108AN	-



New air365 range with R32 and a unique ecosystem

NEW

Available in July 2026

air365 Max
air365 Max Pro

Performance range

5 to 52
hp (horsepower)

Two R32 ranges

Standard and High-Performance



Remote control with audible and visual alarms

Built-in R32 safety systems

Indoor unit with built-in leakage detection sensor

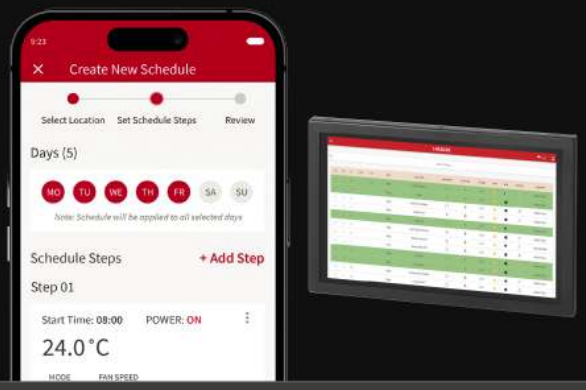


Valve with isolation

Centralized systems

airCloud Pro

or CSNET Manager



New generation of Scroll compressor

R32-compatible



Smooth Drive
Control 2.0

Precise control of room temperature (sensor accurate to within 0.1°C)

Smart Defrost

to maintain comfort levels (hot mode)

Overpower mode (hot)

Maintains power level up to -7°C
(exclusively air365 Max pro)

Ultimate comfort: Control output

change over

(4 levels of setting are available)

365 days per year

Elevated SEER/ SCOP performance levels



airCloud Tap

Smartphone configuration of parameters



Patented Sigma heat exchanger

enhanced system efficiency



airCloud Select Web

The R32 VRF system selection software will not only help you make the best choice, but also assess whether safety measures are needed for each space.

air365 R32 range

Available in July 2026

Integration of safety features: response to EN378 and CH35

1 Remote control with built-in alarm

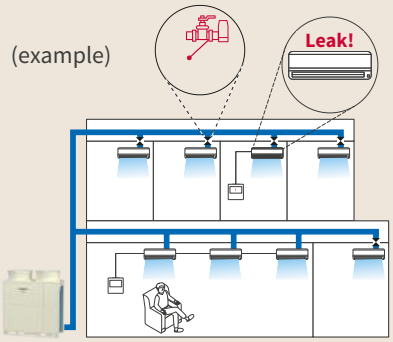
The new wired remote control incorporates an audible and visual alarm to ensure control of the installations in the event of a leak. This allows transparent monitoring of equipment on the same refrigeration circuit without a supervision system—no centralized control or building management system is required.

Remote control with built-in audible and visual alarm
PC-ARFG3-E(B)

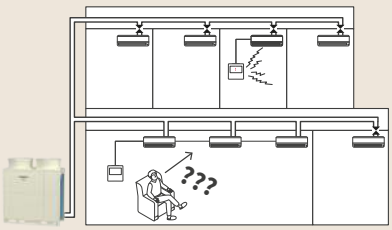


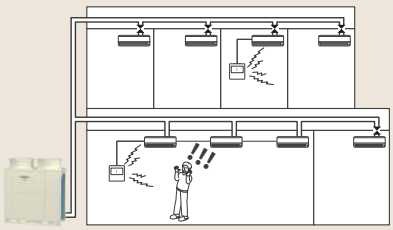
NEW

(example)



Shut off the shut-off valve due to the indoor unit leak.
The system continues to function.





Immediate detection:
If an R32 leak occurs inside the indoor unit, the built-in leak detector is activated immediately. The wired remote control connected to the unit in the room affected by the leak starts to sound an alarm.

Rapid Response:
Leak information is quickly sent to the external air365 group, triggering an automatic shutdown of the isolation valve to prevent further problems.

Increased Vigilance:
The "R32 Safety Management" function on the wired remote control alerts you to an R32 leak in the system by emitting both audible and visual alarms to alert occupants, even those located far from the room affected by the leak.

2 Two integrated R32 leakage sensors (redundancy function)

Hitachi's air365 R32-compatible indoor units are equipped with two leakage sensors as standard. This crucial component guarantees security and peace of mind at no extra cost. By integrating these sensors into the units, Hitachi ensures that you benefit from this essential safety feature right from the moment of purchase, thereby reducing initial investment costs.

R32 leak detector



R32 ducted unit
Built-in R32 leakage sensor
RPI(L/H) - FSR2E

4-way R32 cassette
Built-in R32 leakage sensor
RCIM - FSR2E (600x600)
RCI - FSR2 (800x800)

R32 ceiling unit
Built-in R32 leakage sensor
RPC - FSR2

R32 wall unit
Built-in R32 leakage sensor
RPK - FSR(H)M

3 Isolation box with shut-off valve in case of leakage



Number of ports for the indoor unit (IU): 1
Multi-output version available (Number of outputs to be confirmed)
Number of connectable indoor units: 1 - 8

- √ **Arrête le flux de réfrigérant lorsque une fuite se produit sur le circuit (sécurité).**
- √ **Prevents refrigerant leaks during servicing or maintenance..**
- √ **Low profile: fits even in narrow spaces with drop ceilings, featuring a side-access design for easy maintenance.**
- √ **Flexible placement of electrical enclosures based on available installation space, making installation easier.**
- √ **Easy maintenance even in confined spaces – simply slide the electrical enclosure and remove the service panel.**

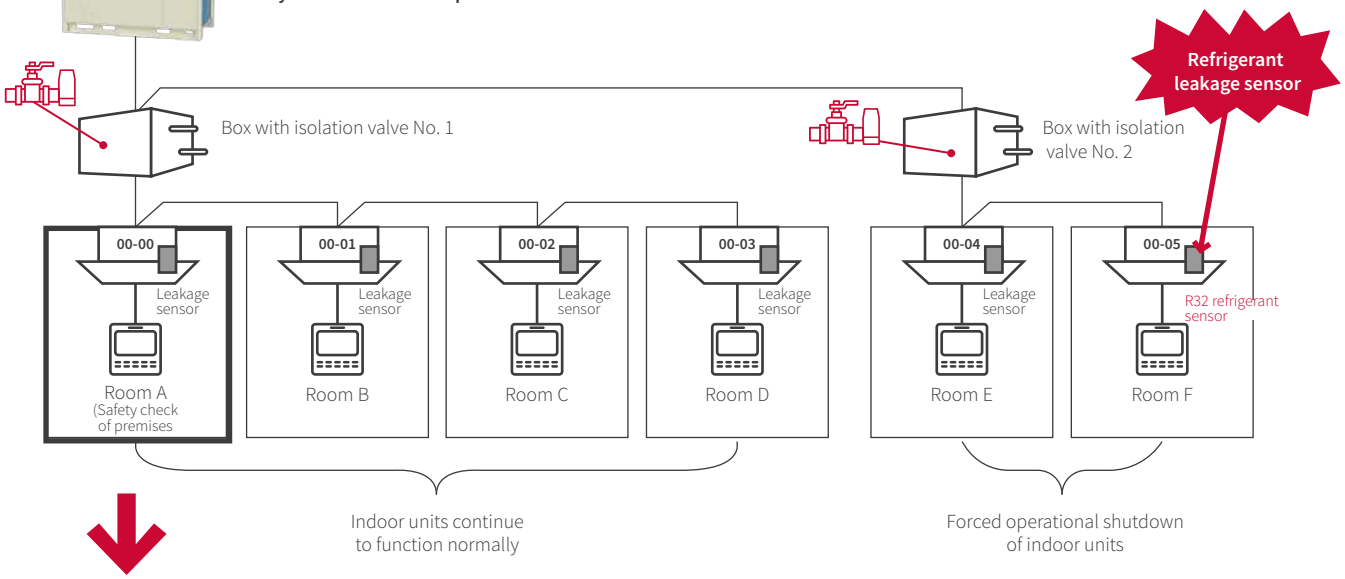
Heat pump air365 Max R32 / 2-pipe range (heat pumps)

A plug-and-play concept: a solution with integrated safety systems.



RAS-(8~52)FSRS2E(Standard range)
RAS-(5~36)FSRP2E(High-Performance range)

The system continues to operate even in the event of a leak in a circuit.



Remote control configured as a facility security manager





Indoor units with integrated leak detector



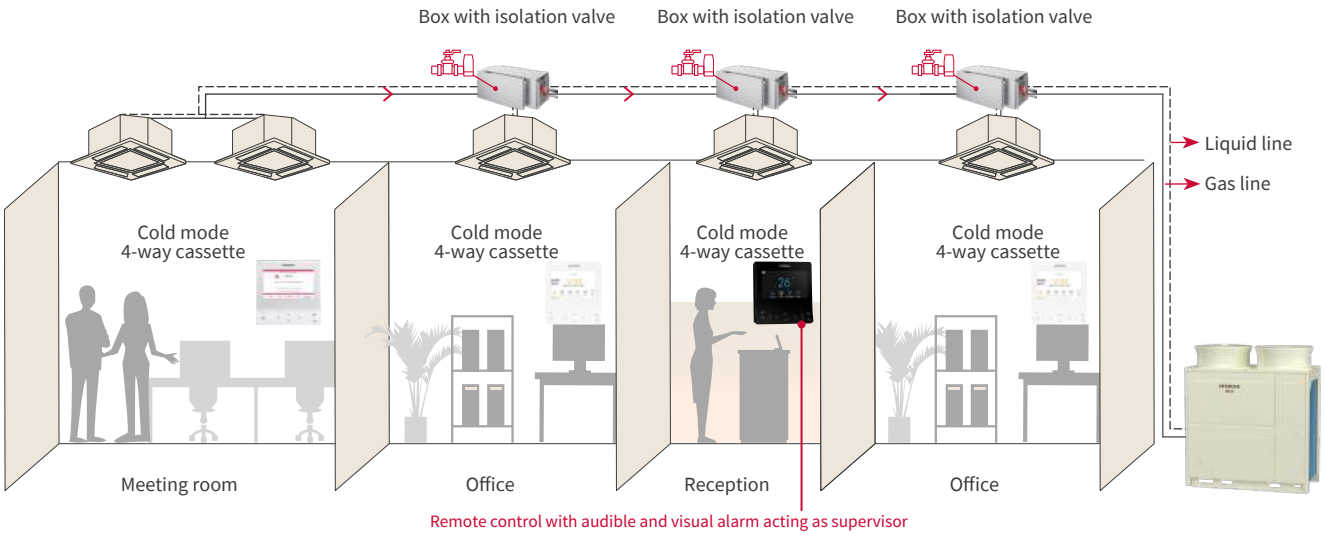
The new PC-ARFG3-E(B) remote control incorporates safety measures in the event of an R32 leak, with audible and visual alarms.

Example of implementation

√ **Shut-off valve upstream of the indoor units: If a leak is detected in a unit, the valve shuts off the circuit.**

√ **A dry contact output allows the ventilation of the indoor unit or a third-party ventilation system to be activated.**

√ **An alarm is generated on the remote controls, and the address of the unit concerned with the leak is displayed on the remote control acting as supervisor.**



Heat pump air365 Max R32 / 2-pipe range (heat pumps)

Next-generation indoor units and supervision

New R32 indoor units with integrated refrigerant leak detection sensor

Indoor units

Ducted
RPIL/RPI/RPIH-FSR2E



Cassette 600x600
RCIM-FSR2E



Cassette 800x800
RCI-FSR2



Ceiling unit
RPC-FSR2



Wall unit
RPK-FSR(H)2M

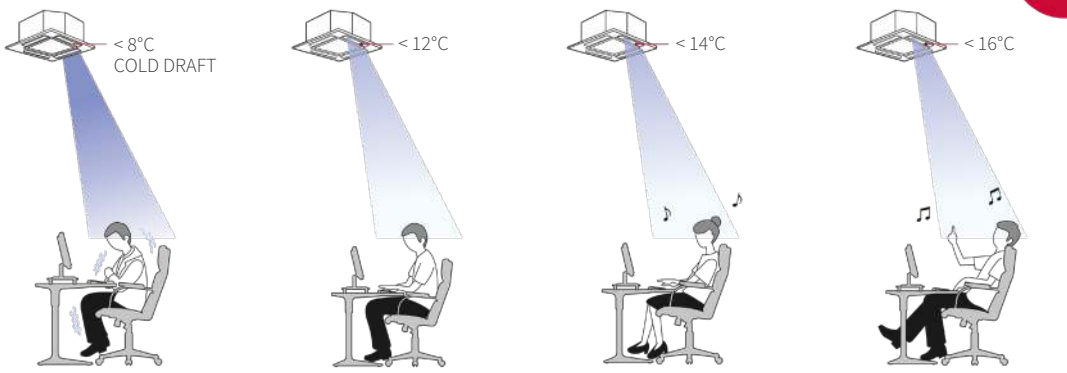


NEW **New design: Wall unit**
(integrated refrigerant leak detection sensor)

All the features and benefits of our units are retained in this new FSR2(E) version.

Exclusive feature: Regulated airflow temperature on all units thanks to the "Gentlecool" function.

Potential for discomfort → GentleCool → No cold drafts → Comfort Optimal



GentleCool: STOP | GentleCool: WEAK | GentleCool: MEDIUM | GentleCool: STRONG



Setting the minimum blower temperature on the remote control
Wired PC-ARFG3-E(B) or on the CSNET monitoring system

Our control and supervision solutions CSNET Manager 2 and communication gateways

Controllers

NEW

PC-ARFG3-E



PC-ARFG3-EB



Remote controls with audible and visual alarms

CSNET

CSNET Manager 2
CSNET Lite



Centralized control with R32 leakage monitoring function

GTC gateways

Modbus / KNX /
BACNET / Lon



A range designed to deliver an optimum customer experience

Quick and easy system setup with the airCloud Tap app.

Configuration of settings for outdoor units by smartphone

√ Control of an outdoor unit currently via DSW > Control via App aircloud Tap.
√ Functions of outdoor units via PSW & LED > Settings via the aircloud Tap app:

- Selection of functions,
- Function test,
- Inspection.

Configuration of indoor unit settings via smartphone (NFC technology integrated into the wired remote control)

√ Set the date and time, weekly schedule, language, customer contact information, etc., via aircloud Tap.
√ Copy the settings from the wired remote control and apply them to another wired remote control.
√ Get product information for Indoor Units/Outdoor Units.
√ Obtain error codes, descriptions, and history.



Common application features

√ Multilingual support.
√ User management: The available functions vary depending on the role of the user selected in the airCloud Tap application.
√ Export the data to a file.

How does airCloud Tap work?

HITACHI

Available on the App Store

ANDROID APP ON Google Play



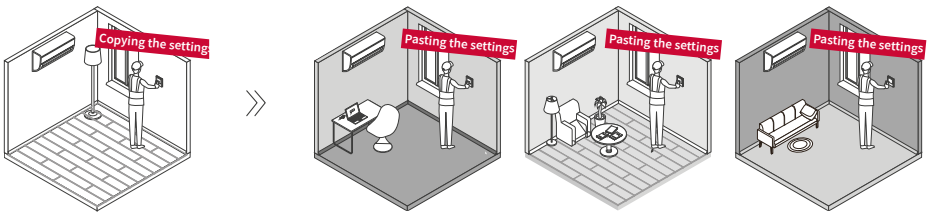


1. Turn on the NFC feature on the remote.
2. Open the airCloud Tap app and bring your phone close to the wired remote control to read the current settings.
3. Change the desired settings on your phone.
4. Bring the phone close to the remote control again to apply the new settings.

Specify the settings for a part, save them, and then apply those settings to other similar parts in a single step. Particularly useful for multiple areas with similar needs! Hotel rooms, several rooms in an office building, condominium apartments, etc.

STEP 1
Read the settings for a unit, then modify and save them.

STEP 2
Bring the phone close to the remote control screen of each indoor unit and enter the settings from STEP 1.



air365 Max R32

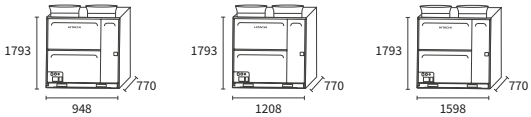
Reversible system / 8-52 hp (R32)

Available in July 2026

NEW



Outdoor units



RAS-8FSRS2E
RAS-10FSRS2E
RAS-12FSRS2E

RAS-14FSRS2E
RAS-16FSRS2E
RAS-18FSRS2E

RAS-20FSRS2E
RAS-22FSRS2E
RAS-24FSRS2E
RAS-26FSRS2E

Compatible controls and accessories

Installation of accessories



Condensation drainage kit
Model: **DBS-TP10A**



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

+ SERVICES

Flexible installation

- Single module up to 26 hp.
- Regulation changeover in 2-pipe: 4 modes available.
- 2-pipe system: Heat pump operation.
- Reinforced heat exchanger with three layers of protection.

+ APPRAISAL

High-performance compressor suitable for R32 refrigerant

- SCOP up to 4.63.
- SEER up to 7.35.
- Overpower mode hot: Power maintenance up to -7°C.



+ TECHNOLOGY

airCloud Tap + NFC technology

airCloud Tap mobile application that allows OU and indoor unit settings to be configured via NFC contact.
- Function test.
- Reading and configuring operating parameters.



Heat pump air365 Max R32 single module

Model	Unit	RAS-8FSRS2E	RAS-10FSRS2E	RAS-12FSRS2E	RAS-14FSRS2E	RAS-16FSRS2E	RAS-18FSRS2E	RAS-20FSRS2E	RAS-22FSRS2E	RAS-24FSRS2E	RAS-26FSRS2E
Performance, cooling											
Capacity Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.00	56.00	61.50	67.00	73.50
Absorbed capacity Cooling	kW	6.28	8.20	10.43	13.95	15.64	17.64	19.75	22.53	24.64	24.38
EER	-	3.57	3.41	3.21	2.52	2.64	2.84	2.84	2.73	2.72	2.79
SEER	-	7.35	7.12	6.79	6.91	7.20	6.73	6.43	6.17	6.19	6.19
Seasonal energy efficiency rating cooling Πs, c	%	**291.0**	**281.8**	**268.6**	**273.4**	**285.0**	**266.2**	**254.2**	**243.8***	**244.6***	**244.6***
Operating ranges Cooling	-	-10°C/52°C DB									
Performance, heating											
Maximum Heating Power	kW	25.13	31.65	37.70	45.18	50.27	56.28	63.31	69.32	77.86	82.88
Capacity Heating	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	67.0	73.50
Absorbed capacity Heating	kW	4.85	6.45	9.43	10.18	13.63	14.87	15.99	18.30	19.34	20.36
Capacity at -7°C [1]	kW	19.92	25.10	26.46	33.08	36.75	39.73	44.70	48.95	51.70	59.54
Capacity at -15°C [1]	kW	15.80	19.80	20.30	25.50	28.33	30.20	34.00	37.30	39.50	45.8
COP	-	4.62	4.34	3.34	3.86	4.04	3.00	3.50	3.36	3.47	3.47
SCOP	-	4.63	4.56	4.29	4.51	4.67	4.35	4.76	4.34	4.27	4.27
Seasonal energy efficiency rating heating Πs, h	%	**182.2**	**179.4**	**168.6**	**177.4**	**183.8**	**171.0**	**187.4**	**170.6**	**167.8**	**167.8**
Operating ranges heating	-	-25°C/16°C WB									
Technical characteristics											
Airflow	m³/h	10500	10500	11880	14340	15360	15780	19740	19740	20880	21880
Adjustable static pressure	Pa	30/60/80									
Number of fans	-	1			2						
Sound power (Cooling/Heating)	dB(A)	77/78	79/80	82/83	81/80	83/82	85/86	84/85		85/86	85/86
Sound pressure [2] (night mode)	dB(A)	57 (55)	59 (56)	61 (55)	60 (57)	62 (58)	64 (58)	64 (63)	65 (63)	65 (62)	65 (62)
Dimensions (HxLxD)	mm	1793 x 948 x 770			1793 x 1208 x 770			1793 x 1598 x 770			
Net weight	kg	197	203	217	271	272		350		375	488
Type of compressor	-	DC Scroll Inverter with gas reinjection									
Compressor number	-	1						2			
Max. number of indoor units that can be connected	-	26	32	39	45	52	58	64			
Connection rate [3]	-	50 - 130% (200% depending on application)									
Cooling properties											
Refrigerant	-	R32									
Refrigerant load	kg	5.6		8.3	8.9	9.5	10.2	11.2	11.2	11.5	17.2
Dimension of cooler connections – Liquid	inches	3/8			1/2		5/8				
Dimension of cooler connections – Low pressure gas	inches	3/4	7/8	1		1 - 1/8					
Dimension of cooler connections – High/low pressure gas	inches	5/8	3/4	7/8				1			
Electrical features											
Power supply	-	3N - 400V 50 Hz + Neutral + Ground									
Maximum current	A	16.10	20.00	23.30	27.70	32.70	39.70	40.00	42.70	53.00	63.00
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75									

[1] For an outside temp. of 20°C and a connection rate of 100%.
[2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions.
[4] Volume to regenerate every 300 m.

Heat pump air365 Max R32 Multi module

	Unit	RAS-28FSRS2E	RAS-30FSRS2E	RAS-32FSRS2E	RAS-34FSRS2E	RAS-36FSRS2E	RAS-38FSRS2E	RAS-40FSRS2E
Unit 1 name		RAS-16FSRS2E	RAS-18FSRS2E	RAS-18FSRS2E	RAS-18FSRS2E	RAS-18FSRS2E	RAS-22FSRS2E	RAS-22FSRS2E
Unit 2 name		RAS-12FSRS2E	RAS-12FSRS2E	RAS-14FSRS2E	RAS-16FSRS2E	RAS-18FSRS2E	RAS-16FSRS2E	RAS-18FSRS2E
Twin unit connection kit		MC-21AN1						
Performance, cooling								
Capacity Cooling	kW	78.50	83.50	90.00	95.00	100.00	106.50	111.50
Absorbed capacity Cooling	kW	26.07	28.07	31.59	33.28	35.27	38.17	40.16
EER	-	2.85	2.98	2.69	2.74	2.84	2.69	2.78
SEER	-	6.90	6.67	6.80	6.93	6.73	6.55	6.40
Seasonal energy efficiency rating cooling Ƞs, c	%	**273.0**	**263.8**	**269.0**	**274.2**	**266.2**	**259.0**	**253.0**
Operating ranges Cooling	-	-10°C/52°C DB						
Performance, heating								
Maximum Heating Power	kW	87.97	93.98	101.46	106.55	112.56	123.10	125.60
Capacity Heating	kW	78.50	83.50	90.00	95.00	100.00	106.50	111.50
Absorbed capacity Heating	kW	21.15	26.66	27.02	27.77	33.33	29.41	34.95
Capacity at -7°C [1]	kW	63.70	66.19	72.81	76.48	79.46	88.22	88.68
Capacity at -15°C [1]	kW	48.63	50.50	55.70	58.53	60.40	67.56	67.50
COP	-	3.71	3.13	3.33	3.42	3.00	3.62	3.19
SCOP	-	4.38	4.20	4.35	4.40	4.25	4.40	4.27
Seasonal energy efficiency rating heating Ƞs, h	%	**172.2**	**165.0**	**171.0**	**173.0**	**167.0**	**173.0**	**167.8**
Operating ranges heating	-	-25°C/16°C WB						
Technical characteristics								
Airflow	m^3/h	15360 + 11880	15780 + 11880	15780 + 14340	15780 + 15360	15780 + 15780	19740 + 15360	19740 + 15780
Adjustable static pressure	Pa	30/60/80						
Number of fans	-	4						
Sound power (Cooling/Heating)	dB(A)	85/85	86/87	85/85	86/86	87/88	86/86	87/88
Sound pressure [2] (night mode)	dB(A)	64 (59)	65 (59)	64 (61)	65 (61)	66 (60)	66 (63)	67 (63)
Dimensions (HxLxD)	mm	1793 x 2436 x 770					1793 x 2826 x 770	
Net weight	kg	272 + 217		272 + 271	272 + 272		350 + 272	
Type of compressor	-	DC Scroll Inverter with gas reinjection						
Compressor number	-	2					3	
Max. number of indoor units that can be connected	-	64						
Connection rate [3]	-	50 - 130% (200% depending on application)						
Cooling properties								
Refrigerant	-	R32						
Refrigerant load	kg	17.8	18.5	19.1	19.7	20.4	20.7	21.4
Dimension of cooler connections – Liquid	inches	3/4						
Dimension of cooler connections – Low pressure gas	inches	1-1/4				1 - 1/2		
Dimension of cooler connections – High/low pressure gas	inches	1 - 1/8						
Electrical features								
Power supply	-							
Maximum current	A	56.0	63.0	67.4	72.4	79.4	75.4	82.4
Indoor/outdoor connection (shielded) [4]	mm^2	2 x 075						

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

VRF air365 Max R32 Multi module

	Unit	RAS-42FSRS2E	RAS-44FSRS2E	RAS-46FSRS2E	RAS-48FSRS2E	RAS-50FSRS2E	RAS-52FSRS2E
Unit 1 name		**RAS-24FSRS2E**	**RAS-22FSRS2E**	**RAS-24FSRS2E**	**RAS-24FSRS2E**	**RAS-24FSRS2E**	**RAS-26FSRS2E**
Unit 2 name		**RAS-18FSRS2E**	**RAS-22FSRS2E**	**RAS-22FSRS2E**	**RAS-24FSRS2E**	**RAS-26FSRS2E**	**RAS-26FSRS2E**
Twin unit connection kit		**MC-21AN1**	**MC-21AN1**	**MC-21AN1**	**MC-21AN1**	**MC-21AN1**	**MC-21AN1**
Performance, cooling							
Capacity Cooling	kW	117.0	123.00	128.50	134.00	140.00	145.00
Absorbed capacity Cooling	kW	42.27	45.05	47.16	49.27	49.23	50.91
EER	-	2.77	2.73	2.72	2.72	2.74	2.77
SEER	-	6.40	6.17	6.18	6.19	6.78	6.86
Seasonal energy efficiency rating cooling ηs, c	%	**253.0**	**243.8***	**244.2***	**244.6***	**268.2**	**271.4**
Operating ranges Cooling	-	-10°C/52°C DB					
Performance, heating							
Maximum Heating Power	kW	134.14	138.64	147.18	155.72	157.74	162.82
Capacity Heating	kW	117.0	123.0	128.5	134.0	140.0	145.0
Absorbed capacity Heating	kW	34.95	36.61	37.68	38.61	43.61	44.47
Capacity at -7°C [1]	kW	91.43	97.90	100.65	103.40	112.54	116.21
Capacity at -15°C [1]	kW	69.70	74.60	76.80	79.00	85.90	88.73
COP	-	3.25	3.36	3.41	3.47	3.21	3.26
SCOP	-	4.24	4.29	4.26	4.24	4.32	4.35
Seasonal energy efficiency rating heating ηs, h	%	**166.6**	**168.6**	**167.4**	**166.6**	**169.8**	**171.0**
Operating ranges heating	-	-25°C/16°C WB					
Technical characteristics							
Airflow	m³/h	20880 + 15780	19740 + 19740	20880 + 19740	20880 + 20880	15780+15780+14340	15780+15780+15360
Adjustable static pressure	Pa	30/60/80					
Number of fans	-	4				6	
Sound power Cooling/Heating	dB(A)	87/88	86/87	87/88	87/88	87/87	87/88
Sound pressure [2] (night mode)	dB(A)	67 (62)	67 (65)		67 (64)	66 (62)	66 (61)
Dimensions (HxLxD)	mm	1793 x 2826 x 770	1793 x 3216 x 770			1793 x 3664 x 770	
Net weight	kg	375 + 272	350 + 350	375 + 350	375 + 375	272 + 272 + 271	272 + 272 + 272
Type of compressor	-	DC Scroll Inverter with gas reinjection					
Compressor number	-	3	4			3	
Max. number of indoor units that can be connected	-	64					
Connection rate [3]	-	50 - 130% (200% depending on application)					
Cooling properties							
Refrigerant	-	R32					
Refrigerant load	kg	21.7	22.4	22.7	23.0	29.3	29.9
Dimension of cooler connections – Liquid	inches	3/4					
Dimension of cooler connections – Low pressure gas	inches	1 - 1/2					
Dimension of cooler connections – High/low pressure gas	inches	1 - 1/8					
Electrical features							
Power supply	-	3N - 400V 50 Hz + Neutral + Ground					
Maximum current	A	92.7	85.4	95.7	106.0	107.1	112.1
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75					

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

air365 Max Pro R32

High-Performance Range
Reversible system / 5-36 hp (R32)

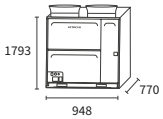
Available in July 2026

NEW

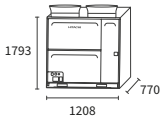
SEER 8.38 | SCOP 5.19 | R32 REFRIGERANT



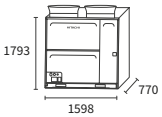
Outdoor units



RAS-5FSRP2E
RAS-6FSRP2E



RAS-8FSRP2E
RAS-10FSRP2E
RAS-12FSRP2E
RAS-14FSRP2E



RAS-16FSRP2E
RAS-18FSRP2E

Compatible controls and accessories

Installation of accessories



Condensation drainage kit
Model: **DBS-TP10A**



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

SERVICES

Flexible installation

- Up to 1 km of total pipe length.
- Wide power range: From 5 hp.
- Regulation changeover in 2-pipe: 4 modes available.

APPRAISAL

High-performance compressor suitable for R32 refrigerant

- Wide operating range: -25°C to 52°C.
- SEER up to 8.38 and SCOP up to 5.19.
- COP up to 5.29.
- Hot overpower function: Maintains power up to -7°C.



TECHNOLOGY

airCloud Tap + NFC technology

airCloud Tap mobile application that allows OU and indoor unit settings to be configured via NFC contact.
- Function test.
- Reading of operating parameters



Heat pump air365 Max Pro R32 High-Performance

Model	Unit	RAS-5FSRP2E	RAS-6FSRP2E	RAS-8FSRP2E	RAS-10FSRP2E	RAS-12FSRP2E	RAS-14FSRP2E	RAS-16FSRP2E	RAS-18FSRP2E
Performance, cooling									
Capacity Cooling	kW	14.00	16.00	22.40	28.00	33.50	40.00	45.00	50.00
Absorbed capacity Cooling	kW	3.33	4.23	5.58	7.62	9.88	12.91	12.99	16.09
EER	-	4.2	3.78	4.02	3.68	3.39	2.64	3.47	3.11
SEER (average climate)	-	7.75	7.62	8.38	7.8	7.41	7.25	7.45	7.09
Seasonal energy efficiency rating cooling Πs, c	%	**307.0**	**301.8**	**332.2**	**309.0**	**293.4**	**287.0**	**295.0**	**280.6**
Operating ranges Cooling	-	-10°C/52°C DB							
Performance, heating									
Maximum Heating Power	kW	16.08	18.09	25.13	31.65	37.70	45.27	50.60	56.52
Capacity Heating	kW	14.00	16.00	22.40	28.00	33.50	40.00	45.00	50.00
Absorbed capacity Heating	kW	2.65	3.41	4.54	6.01	7.51	9.64	10.79	13.29
Capacity at -7°C [1]	kW	13.39	15.06	20.92	25.10	27.78	33.30	40.06	41.46
Capacity at -15°C [1]	kW	10.75	12.10	16.80	19.80	21.40	25.70	31.50	31.90
COP	-	5.29	4.69	4.94	4.66	4.46	4.15	4.17	3.76
SCOP (average climate)	-	5.04	4.44	5.19	4.92	4.93	4.69	5.03	4.66
Seasonal energy efficiency heating Πs, h	%	**198.6**	**174.6**	**204.6**	**193.8**	**194.2**	**184.6**	**198.2**	**183.4**
Operating ranges heating	-	-25°C/16°C WB							
Technical characteristics									
Airflow	m³/h	9240	10500	11100	13140		15360	20760	21720
Adjustable static pressure	Pa	30/60/80							
Number of fans	-	1		2					
Sound power (Cooling/Heating)	dB(A)	72/73	78/76	76/77	81/82	79/78	81/80	83/84	85/86
Sound pressure [2] (night mode)	dB(A)	52 (53)	57 (53)	57 (56)	60 (56)	59 (56)	60 (55)	63 (61)	65 (62)
Dimensions (HxLxD)	mm	1793 x 948 x 770		1793 x 1208 x 770				1793 x 1598 x 770	
Net weight	kg	197		262		267		360	
Type of compressor	-	DC Scroll Inverter with gas reinjection							
Compressor number	-	1						2	
Max. number of indoor units that can be connected	-	16	19	26	32	39	45	52	58
Connection rate [3]	-	50 - 130% (200% depending on application)							
Cooling properties									
Refrigerant	-	R32							
Refrigerant load	kg	5.7	6.0	9.1	9.1	9.3	9.3	10.6	11.1
Dimension of cooler connections – Liquid	inches	3/8				1/2			5/8
Dimension of cooler connections – Low pressure gas	inches	3/4			7/8	1		1-1/8	
Dimension of cooler connections – High/low pressure gas	inches	5/8			3/4	7/8			
Electrical features									
Power supply	-	3N - 400V 50 Hz + Neutral +Ground							
Maximum intensity (Hot overpower)	A	8.6 (11.5)	11.2 (13.3)	14.5 (16.8)	19.5 (24.7)	22.4 (28)	28.0 (33.3)	30.6 (34.2)	35 (43.3)
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75							

[1] For an ambient T° of 20°C and a 100% connection rate. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

Heat pump air365 Max Pro R32 High-Performance

	Unit	RAS-20FSRP2E	RAS-22FSRP2E	RAS-24FSRP2E	RAS-26FSRP2E	RAS-28FSRP2E	RAS-30FSRP2E	RAS-32FSRP2E	RAS-34FSRP2E	RAS-36FSRP2E
Unit 1 name		RAS-10FSRP2E	RAS-12FSRP2E	RAS-12FSRP2E	RAS-16FSRP2E	RAS-16FSRP2E	RAS-18FSRP2E	RAS-18FSRP2E	RAS-18FSRP2E	RAS-18FSRP2E
Unit 2 name		RAS-10FSRP2E	RAS-10FSRP2E	RAS-12FSRP2E	RAS-10FSRP2E	RAS-12FSRP2E	RAS-12FSRP2E	RAS-14FSRP2E	RAS-16FSRP2E	RAS-18FSRP2E
Twin unit connection kit		MC-20AN1			MC-21AN1					
Performance, cooling										
Capacity Cooling	kW	56.00	61.50	67.00	73.00	78.50	83.50	90.00	95.00	100.00
Absorbed capacity Cooling	kW	19.75	23.53	24.64	24.38	26.07	28.07	31.59	33.28	35.27
EER	-	3.68	3.51	3.39	3.54	3.43	3.22	2.88	3.27	3.11
SEER (average climate)	-	7.44	7.30	7.19	7.45	7.33	7.11	7.15	7.25	7.09
Seasonal energy efficiency rating cooling Πs, c	%	**294.6**	**289.0**	**284.6**	**295.0**	**290.2**	**281.4**	**283**	**287**	**280.6**
Operating ranges Cooling	-	-10°C/52°C DB								
Performance, heating										
Maximum Heating Power	kW	63.58	69.63	75.69	82.25	88.31	94.36	101.93	106.98	113.03
Capacity Heating	kW	56.00	61.50	67.00	73.00	78.50	83.50	90.00	95.00	100.00
Absorbed capacity Heating	kW	12.01	13.51	15.02	16.85	18.34	20.77	24.12	24.11	26.59
Capacity at -7°C [1]	kW	46.65	51.09	55.53	60.34	64.79	69.23	74.78	78.48	82.92
Capacity at -15°C [1]	kW	35.89	39.31	42.72	46.43	49.84	53.26	57.53	60.38	63.80
COP	-	4.66	4.55	4.46	4.33	4.28	4.02	3.73	3.94	3.76
SCOP (average climate)	-	4.71	4.79	4.87	4.85	4.91	4.63	4.53	4.70	4.50
Seasonal energy efficiency heating Πs, h	%	**185.4**	**188.6**	**191.8**	**191.0**	**193.4**	**182.2**	**178.2**	**185.0**	**177.0**
Operating ranges heating	-	-25°C/16°C WB								
Technical characteristics										
Airflow	m³/h	13140 + 13140			13140 + 20760		13140 + 21720	15360 + 21720	20760 + 21720	21720 + 21720
Adjustable static pressure	Pa	30/60/80								
Number of fans	-	4								
Sound power Cooling/Heating	dB(A)	83/84	82/82	81/80	84/85	83/83	84/84	85/85	86/87	87/88
Sound pressure [2] (night mode)	dB(A)	62 (58)	62 (58)	61 (58)	64 (61)	63 (61)	64 (61)	65 (61)	66 (64)	67 (64)
Dimensions (HxLxD)	mm	1793 x 2436 x 770			1793 x 2826 x 770				1793 x 3216 x 770	
Net weight	kg	262 + 262	267 + 262	267 + 267	360 + 262	360 + 267			360 + 360	
Type of compressor	-	DC Scroll Inverter with gas reinjection								
Compressor number	-	2			3				4	
Max. number of indoor units that can be connected	-	64								
Connection rate [3]	-	50 - 130% (200% depending on the applications)								
Cooling properties										
Refrigerant	-	R32								
Refrigerant load	kg	18.2	18.4	18.6	19.7	19.9	20.4		21.7	22.2
Dimension of cooler connections – Liquid	inches	5/8			3/4					
Dimension of cooler connections – Low pressure gas	inches	1-1/8			1-1/4					1-1/2
Dimension of cooler connections – High/low pressure gas	inches	7/8	1		1-1/8					
Electrical features										
Power supply	-	3N - 400V 50 Hz + Neutral + Ground								
Maximum intensity (Hot overpower)	A	39 (49.4)	41.9 (52.7)	44.8 (56)	50.1 (58.9)	53 (62.2)	57.4 (71.3)	63 (76.6)	65.6 (77.5)	70 (86.6)
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75								

[1] For an outside temp. of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 150%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.



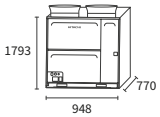
air365 Max

Energy recovery up to 54 hp
Reversible system / 8 - 96 hp (R410A)

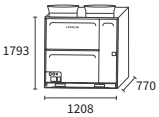
SEER 7.35 | SCOP 4.76 | R410A REFRIGERANT | EUROVENT CERTIFIED PERFORMANCE



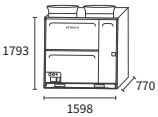
Outdoor units



RAS-8FSXNS2E
RAS-10FSXNS2E
RAS-12FSXNS2E



RAS-14FSXNS2E
RAS-16FSXNS2E
RAS-18FSXNS2E



RAS-20FSXNS2E
RAS-22FSXNS2E
RAS-24FSXNS2E

Compatible controls and accessories

Installation of accessories



Condensation drainage kit
Model: **DBS-TP10A**



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

+ SERVICES

Flexible installation

- Up to 100m after the first derivation.
- Regulation changeover in 2-pipe: 4 modes available.
- Single group with 3 pipes/2 pipes to meet both energy recovery applications and reversible heat pump requirements.
- Reinforced heat exchanger with three layers of protection.

+ APPRAISAL

Gas reinjection compressor

- SCOP up to 4.63.
- SEER up to 7.35.
- **New compressor** gas reinjection (hot gas) for operation **up to -25°C outdoor temp. in Heating mode and 52°C in Cooling mode.**



+ TECHNOLOGY

airCloud Tap + NFC technology

airCloud Tap mobile application that allows OU and indoor unit settings to be configured via NFC contact.
- Function test.
- Reading of operating parameters



Heat pump air365 Max R410A

Model	Unit	RAS-8FSXNS2E	RAS-10FSXNS2E	RAS-12FSXNS2E	RAS-14FSXNS2E	RAS-16FSXNS2E	RAS-18FSXNS2E	RAS-20FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E
Performance, cooling										
Capacity Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.00	56.00	61.50	67.00
Absorbed capacity Cooling	kW	6.28	8.20	10.43	13.95	15.64	17.64	19.75	22.53	24.64
EER	-	3.57	3.41	3.21	2.52	2.64	2.84	2.84	2.73	2.72
SEER	-	7.35	7.12	6.79	6.91	7.20	6.73	6.43	6.17	6.19
Seasonal energy efficiency rating cooling Π$_{s,c}$	%	**291.0**	**281.8**	**268.6**	**273.4**	**285.0**	**266.2**	**254.2**	**243.8***	**244.6***
Operating ranges Cooling	-	-10°C/52°C DB								
Performance, heating										
Maximum Heating Power	kW	25.13	31.65	37.70	45.18	50.27	56.28	63.31	69.32	77.86
Capacity Heating	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	67.0
Absorbed capacity Heating	kW	4.85	6.45	9.43	10.18	13.63	14.87	15.99	18.30	19.34
Capacity at -7°C [1]	kW	19.92	25.10	26.46	33.08	36.75	39.73	44.70	48.95	51.70
Capacity at -15°C [1]	kW	15.80	19.80	20.30	25.50	28.33	30.20	34.00	37.30	39.50
COP	-	4.62	4.34	3.34	3.86	4.04	3.00	3.50	3.36	3.47
SCOP	-	4.63	4.56	4.29	4.51	4.67	4.35	4.76	4.34	4.27
Seasonal energy efficiency rating heating Π$_{s,h}$	%	**182.2**	**179.4**	**168.6**	**177.4**	**183.8**	**171.0**	**187.4**	**170.6**	**167.8**
Operating ranges heating	-	-25°C/16°C WB								
Technical characteristics										
Airflow	m^3/h	10500	10500	11880	14340	15360	15780	19740	19740	20880
Adjustable static pressure	Pa	30/60/80								
Number of fans	-	1			2					
Sound power (Cooling/Heating)	dB(A)	77/78	79/80	82/83	81/80	83/82	85/86	84/85		85/86
Sound pressure [2] (night mode)	dB(A)	57 (55)	59 (56)	61 (55)	60 (57)	62 (58)	64 (58)	64 (63)	65 (63)	65 (62)
Dimensions (HxLxD)	mm	1793 x 948 x 770			1793 x 1208 x 770			1793 x 1598 x 770		
Net weight	kg	197	203	217	271	272		350		375
Type of compressor	-	DC Scroll Inverter with gas reinjection								
Compressor number	-	1						2		
Maximum number of connectable indoor units	-	26	32	39	45	52	58	64		
Connection rate [3]	-	50 - 130% (200% depending on application)								
Cooling properties										
Refrigerant	-	R410A								
Refrigerant load	kg	5.6		8.3	8.9	9.5	10.2	11.2	11.2	11.5
Dimension of cooler connections – Liquid	inches	3/8		1/2			5/8			
Dimension of cooler connections – Low pressure gas	inches	3/4	7/8	1			1 - 1/8			
Dimension of cooler connections – High/low pressure gas	inches	5/8	3/4	7/8					1	
Electrical features										
Power supply	-	3N - 400V 50 Hz + Neutral + Ground								
Maximum current	A	16.10	20.00	23.30	27.70	32.70	39.70	40.00	42.70	53.00
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75								

[1] For an outside temp. of 20°C and a connection rate of 100%.
[2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions.
[4] Volume to regenerate every 300 m.

VRF air365 Max R410A

	Unit	RAS-26FSXNS2E	RAS-28FSXNS2E	RAS-30FSXNS2E	RAS-32FSXNS2E	RAS-34FSXNS2E	RAS-36FSXNS2E	RAS-38FSXNS2E	RAS-40FSXNS2E
Unit 1 name		RAS-14FSXNS2E	RAS-16FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E
Unit 2 name		RAS-12FSXNS2E	RAS-12FSXNS2E	RAS-12FSXNS2E	RAS-14FSXNS2E	RAS-16FSXNS2E	RAS-18FSXNS2E	RAS-16FSXNS2E	RAS-18FSXNS2E
Twin unit connection kit		MC-21AN1							
Performance, cooling									
Capacity Cooling	kW	73.50	78.50	83.50	90.00	95.00	100.00	106.50	111.50
Absorbed capacity Cooling	kW	24.38	26.07	28.07	31.59	33.28	35.27	38.17	40.16
EER	-	2.79	2.85	2.98	2.69	2.74	2.84	2.69	2.78
SEER	-	6.75	6.90	6.67	6.80	6.93	6.73	6.55	6.40
Seasonal energy efficiency rating cooling ηs, c	%	**267.0**	**273.0**	**263.8**	**269.0**	**274.2**	**266.2**	**259.0**	**253.0**
Operating ranges Cooling	-	-10°C/52°C DB							
Performance, heating									
Maximum Heating Power	kW	82.88	87.97	93.98	101.46	106.55	112.56	123.10	125.60
Capacity Heating	kW	73.50	78.50	83.50	90.00	95.00	100.00	106.50	111.50
Absorbed capacity Heating	kW	20.36	21.15	26.66	27.02	27.77	33.33	29.41	34.95
Capacity at -7°C [1]	kW	59.54	63.70	66.19	72.81	76.48	79.46	88.22	88.68
Capacity at -15°C [1]	kW	45.8	48.63	50.50	55.70	58.53	60.40	67.56	67.50
COP	-	3.61	3.71	3.13	3.33	3.42	3.00	3.62	3.19
SCOP	-	4.32	4.38	4.20	4.35	4.40	4.25	4.40	4.27
Seasonal energy efficiency rating heating ηs, h	%	**169.8**	**172.2**	**165.0**	**171.0**	**173.0**	**167.0**	**173.0**	**167.8**
Operating ranges heating	-	-25°C/16°C WB							
Technical characteristics									
Airflow	m^3/h	14340 + 11880	15360 + 11880	15780 + 11880	15780 + 14340	15780 + 15360	15780 + 15780	19740 + 15360	19740 + 15780
Adjustable static pressure	Pa	30/60/80							
Number of fans	-	3			4				
Sound power (Cooling/Heating)	dB(A)	84/84	85/85	86/87	85/85	86/86	87/88	86/86	87/88
Sound pressure [2] (night mode)	dB(A)	63 (60)	64 (59)	65 (59)	64 (61)	65 (61)	66 (60)	66 (63)	67 (63)
Dimensions (HxLxD)	mm	1793 x 2176 x 770			1793 x 2436 x 770			1793 x 2826 x 770	
Net weight	kg	271 + 217	272 + 217		272 + 271	272 + 272		350 + 272	
Type of compressor	-	DC Scroll Inverter with gas reinjection							
Compressor number	-	2						3	
Max. number of indoor units that can be connected	-	64							
Connection rate [3]	-	50 - 130% (200% depending on application)							
Cooling properties									
Refrigerant	-	R410A							
Refrigerant load	kg	17.2	17.8	18.5	19.1	19.7	20.4	20.7	21.4
Dimension of cooler connections – Liquid	inches	3/4							
Dimension of cooler connections – Low pressure gas	inches	1 - 1/4					1 - 1/2		
Dimension of cooler connections – High/low pressure gas	inches	1	1 - 1/8						
Electrical features									
Power supply	-	3N - 400V 50 Hz + Neutral + Ground							
Maximum current	A	51.0	56.0	63.0	67.4	72.4	79.4	75.4	82.4
Indoor/outdoor connection (shielded) [4]	mm^2	2 x 0.75							

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

Heat pump air365 Max R410A

	Unit	RAS-42FSXNS2E	RAS-44FSXNS2E	RAS-46FSXNS2E	RAS-48FSXNS2E	RAS-50FSXNS2E	RAS-52FSXNS2E	RAS-54FSXNS2E
Unit 1 name		RAS-24FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E
Unit 2 name		RAS-18FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E
Unit 3 name		-	-	-	-	RAS-14FSXNS2E	RAS-16FSXNS2E	RAS-18FSXNS2E
Twin unit connection kit		MC-21AN1	MC-21AN1	MC-21AN1	MC-21AN1	MC-30AN1	MC-30AN1	MC-30AN1
Performance, cooling								
Capacity Cooling	kW	117.0	123.00	128.50	134.00	140.00	145.00	150.00
Absorbed capacity Cooling	kW	42.27	45.05	47.16	49.27	49.23	50.91	52.91
EER	-	2.77	2.73	2.72	2.72	2.74	2.77	2.84
SEER	-	6.40	6.17	6.18	6.19	6.78	6.86	6.73
Seasonal energy efficiency rating cooling ηs, c	%	**253.0**	**243.8***	**244.2***	**244.6***	**268.2**	**271.4**	**266.2**
Operating ranges Cooling	-	-10°C/52°C DB						
Performance, heating								
Maximum Heating Power	kW	134.14	138.64	147.18	155.72	157.74	162.82	168.84
Capacity Heating	kW	117.0	123.0	128.5	134.0	140.0	145.0	150.0
Absorbed capacity Heating	kW	34.95	36.61	37.68	38.61	43.61	44.47	50.00
Capacity at -7°C [1]	kW	91.43	97.90	100.65	103.40	112.54	116.21	119.19
Capacity at -15°C [1]	kW	69.70	74.60	76.80	79.00	85.90	88.73	90.60
COP	-	3.25	3.36	3.41	3.47	3.21	3.26	3.00
SCOP	-	4.24	4.29	4.26	4.24	4.32	4.35	4.25
Seasonal energy efficiency rating heating ηs, h	%	**166.6**	**168.6**	**167.4**	**166.6**	**169.8**	**171.0**	**167.0**
Operating ranges heating	-	-25°C/16°C WB						
Technical characteristics								
Airflow	m^3/h	20880 + 15780	19740 + 19740	20880 + 19740	20880 + 20880	15780+15780+14340	15780+15780+15360	15780+15780+15780
Adjustable static pressure	Pa	30/60/80						
Number of fans	-	4				6		
Sound power Cooling/Heating	dB(A)	87/88	86/87	87/88	87/88	87/87	87/88	88/89
Sound pressure [2] (night mode)	dB(A)	67 (62)	67 (65)		67 (64)	66 (62)	66 (61)	67 (61)
Dimensions (HxLxD)	mm	1793 x 2826 x 770	1793 x 3216 x 770			1793 x 3664 x 770		
Net weight	kg	375 + 272	350 + 350	375 + 350	375 + 375	272 + 272 + 271	272 + 272 + 272	
Type of compressor	-	DC Scroll Inverter with gas reinjection						
Compressor number	-	3	4			3		
Max. number of indoor units that can be connected	-	64						
Connection rate [3]	-	50 - 130% (200% depending on application)						
Cooling properties								
Refrigerant	-	R410A						
Refrigerant load	kg	21.7	22.4	22.7	23.0	29.3	29.9	30.6
Dimension of cooler connections – Liquid	inches	3/4						
Dimension of cooler connections – Low pressure gas	inches	1 - 1/2						
Dimension of cooler connections – High/low pressure gas	inches	1 - 1/8						
Electrical features								
Power supply	-	3N - 400V 50 Hz + Neutral + Ground						
Maximum current	A	92.7	85.4	95.7	106.0	107.1	112.1	119.10
Indoor/outdoor connection (shielded) [4]	mm^2	2 x 0.75						

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

Heat pump air365 Max R410A

		Unit	RAS-56FSXNS2E	RAS-58FSXNS2E	RAS-60FSXNS2E	RAS-62FSXNS2E	RAS-64FSXNS2E	RAS-66FSXNS2E	RAS-68FSXNS2E
Unit 1 name			RAS-22FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E
Unit 2 name			RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-22FSXNS2E
Unit 3 name			RAS-16FSXNS2E	RAS-16FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-22FSXNS2E
Twin unit connection kit			MC-NP31SA	MC-NP31SA	MC-NP31SA	MC-NP31SA	MC-NP31SA	MC-NP31SA	MC-NP31SA
Performance, cooling									
Capacity Cooling		kW	156.50	161.50	167.00	173.00	178.50	184.00	190.00
Absorbed capacity Cooling		kW	51.99	50.44	52.26	59.47	57.93	59.74	63.27
EER		-	2.73	2.79	2.79	2.76	2.75	2.75	2.73
SEER (average climate)		-	6.61	6.50	6.50	6.31	6.21	6.32	6.17
Seasonal energy efficiency rating cooling ∏s, c		%	**261.4**	**257.0**	**257.0**	**250.0**	**245.4**	**250.0**	**243.8**
Operating ranges Cooling		-	-10°C/52°C DB						
Performance, heating									
Maximum Heating Power		kW	179.38	181.88	190.42	200.95	203.46	212.00	216.52
Capacity Heating		kW	156.50	161.50	167.00	173.00	178.50	184.00	190.00
Absorbed capacity Heating		kW	46.03	51.60	52.68	53.23	54.26	55.26	55.88
Capacity at -7°C [1]		kW	127.94	128.41	131.16	141.88	140.38	146.27	149.39
Capacity at -15°C [1]		kW	97.75	97.70	99.90	108.04	107.00	111.49	113.87
COP		-	3.40	3.13	3.17	3.25	3.29	3.33	3.40
SCOP (average climate)		-	4.35	4.26	4.24	4.28	4.25	4.23	4.27
Seasonal energy efficiency rating heating ∏s, h		%	**171.0**	**167.4**	**166.6**	**168.2**	**167.0**	**166.2**	**167.8**
Operating ranges heating		°C	-25°C WB/16°C DB						
Technical characteristics									
Air flow (Cooling)		m^3/h	19740+15780+15360	19740+15780+15780	20880+15780+15780	19740+19740+15780	20880+19740+15780	20880+20880+15780	20880+19740+19740
Adjustable static pressure fan		Pa	30/60/80						
Number of fans		-	6						
Sound power Cooling/Heating		dB(A)	87/87	88/89		87/88	88/89		87/88
Sound pressure level Cooling (night) [2]		dB(A)	67 (63)		67 (62)	68 (64)			68 (66)
Dimensions (HxLxD)		mm	1793 x 4054 x 770			1793 x 4444 x 770			1793 x 4834 x 770
Net weight		kg	350 + 272 + 272			350 + 350 + 272		375 + 375 + 272	375 + 350 + 350
Type of compressor		-	DC Scroll Inverter with gas reinjection						
Compressor number		-	4			5			6
Max. number of indoor units that can be connected		-	64						
Connection rate (min-max) [3]		%	50 - 130% (200% depending on application)						
Cooling properties									
Refrigerant		-	R410A						
Refrigerant load		kg	30.9	31.6	31.9	32.6	32.9	33.2	33.9
Dimension of cooler connections	Liquid	inches	3/4						7/8
	Low pressure gas	inches	1-3/4						
	High/low pressure gas	inches	1-1/2						
Electrical features, outdoor unit									
Power supply		-	3N ~ 400V 50 Hz + Neutral + Ground						
Maximum current		A	115.10	122.10	132.40	125.10	135.40	145.70	138.40
Indoor/outdoor connection (protected) [4]		mm^2	2 x 0.75						

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

Heat pump air365 Max R410A

		Unit	RAS-70FSXNS2E	RAS-72FSXNS2E	RAS-74FSXNS2E	RAS-76FSXNS2E	RAS-78FSXNS2E	RAS-80FSXNS2E	RAS-82FSXNS2E
Unit 1 name			RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E
Unit 2 name			RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E
Unit 3 name			RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E
Unit 4 name					RAS-16FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E
Twin unit connection kit			MC-NP31SA	MC-NP31SA	MC-NP40SA	MC-NP40SA	MC-NP40SA	MC-NP40SA	MC-NP40SA
Performance, cooling									
Capacity Cooling		kW	195.50	201.00	206.50	211.50	217.00	223.00	228.50
Absorbed capacity Cooling		kW	71.80	73.91	73.44	75.44	77.55	80.33	82.44
EER		-	2.72	2.72	2.76	2.80	2.80	2.78	2.77
SEER (average climate)		-	6.18	6.19	6.63	6.55	6.55	6.40	6.40
Seasonal energy efficiency rating cooling ηs, c		%	**244.2***	**244.6***	**262.2**	**259**	**259**	**253**	**253**
Operating ranges Cooling		°C	-10°C/52°C DB						
Performance, heating									
Maximum Heating Power		kW	225.06	233.60	235.61	238.12	246.66	257.21	262.23
Capacity Heating		kW	195.50	201.00	206.50	211.50	217.00	223.00	228.50
Absorbed capacity Heating		kW	57.00	57.92	62.76	68.20	69.32	69.90	70.96
Capacity at -7°C [1]		kW	155.28	161.18	162.56	164.29	170.19	177.47	180.93
Capacity at -15°C [1]		kW	118.36	122.85	123.91	125.23	129.72	135.27	137.91
COP		-	3.43	3.47	3.29	3.10	3.13	3.19	3.22
SCOP (average climate)		-	4.25	4.24	4.33	4.26	4.24	4.27	4.25
Seasonal energy efficiency rating heating ηs, h		%	**167.0**	**166.6**	**170.2**	**167.4**	**166.6**	**167.8**	**167.0**
Operating ranges heating		°C	-25°C WB/16°C DB						
Technical characteristics									
Air flow (Cooling)		m^3/h	20880+20880+19740	20880+20880+20880	19740+15780 +15780+15360	19740+15780 +15780+15780	20880+15780 +15780+15780	19740+19740 +15780+15780	20880+19740 +15780+15780
Adjustable static pressure fan		Pa	30/60/80						
Number of fans		-	6		8				
Sound power Cooling/Heating		dB(A)	88/89		89/90				
Sound pressure level Cooling (night) [2]		dB(A)	68 (65)		68 (64)	68 (63)		69 (65)	69 (64)
Dimensions (HxLxD)		mm	1793 x 4834 x 770		1793 x 5282 x 770			1793 x 5672 x 770	
Net weight		kg	375 + 375 + 350	375 + 375 + 375	350 + 272 + 272 + 272		375 + 272 + 272 + 272	350 + 350 + 272 + 272	375 + 350 + 272 + 272
Type of compressor		-	DC Scroll Inverter with gas reinjection						
Compressor number		-	6		5			6	
Max. number of indoor units that can be connected		-	64						
Connection rate (min-max) [3]		%	50 - 130% (200% depending on application)						
Cooling properties									
Refrigerant		-	R410A						
Refrigerant load		kg	34.2	34.5	41.1	41.8	42.1	42.8	43.1
Dimension of cooler connections	Liquid	inches	7/8						
	Low pressure gas	inches	1-3/4		2				
	High/low pressure gas	inches	1-1/2		1-3/4				
Electrical features, outdoor unit									
Power supply		-	3N ~ 400V 50 Hz + Neutral + Ground						
Maximum current		A	148.70	159.00	154.80	161.80	172.10	164.80	175.10
Indoor/outdoor connection (protected) [4]		mm^2	2 x 0.75						

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

VRF air365 Max R410A

	Unit	RAS-84FSXNS2E	RAS-86FSXNS2E	RAS-88FSXNS2E	RAS-90FSXNS2E	RAS-92FSXNS2E	RAS-94FSXNS2E	RAS-96FSXNS2E
Unit 1 name		RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E
Unit 2 name		RAS-24FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E
Unit 3 name		RAS-18FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E	RAS-24FSXNS2E
Unit 4 name		RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-18FSXNS2E	RAS-22FSXNS2E	RAS-22FSXNS2E	RAS-24FSXNS2E
Twin unit connection kit		MC-NP40SA	MC-NP40SA	MC-NP40SA	MC-NP40SA	MC-NP40SA	MC-NP40SA	MC-NP40SA
Performance, cooling								
Capacity Cooling	kW	234.00	240.00	245.50	251.00	257.00	262.50	268.00
Absorbed capacity Cooling	kW	84.55	87.33	89.44	91.55	94.33	96.44	98.55
EER	-	2.77	2.75	2.74	2.74	2.72	2.72	2.72
SEER (average climate)	-	6.40	6.28	6.28	6.29	6.18	6.18	6.19
Seasonal energy efficiency rating cooling [ ]s, c	%	**253.0**	**248.2***	**248.2***	**248.6***	**244.2***	**244.2***	**244.6***
Operating ranges Cooling	°C	-10°C/52°C DB						
Performance, heating								
Maximum Heating Power	kW	268.26	278.81	283.84	289.86	294.38	302.93	311.47
Capacity Heating	kW	234.00	240.00	245.50	251.00	257.00	262.50	268.00
Absorbed capacity Heating	kW	72.00	72.50	73.72	74.70	75.36	76.30	77.23
Capacity at -7°C [1]	kW	185.09	192.37	195.84	200.00	203.12	209.01	214.90
Capacity at -15°C [1]	kW	141.08	146.63	149.27	152.44	154.82	159.31	163.80
COP	-	3.25	3.31	3.33	3.36	3.41	3.44	3.47
SCOP (average climate)	-	4.24	4.26	4.25	4.23	4.26	4.25	4.24
Seasonal energy efficiency rating heating [ ]s, h	%	**166.6**	**167.4**	**167.0**	**166.2**	**167.4**	**167.0**	**166.6**
Operating ranges heating	°C	-25°C WB/16°C DB						
Technical characteristics								
Air flow (Cooling)	m^3/h	20880+20880 +15780+15780	20880+19740 +19740+15780	20880+20880 +19740+15780	20880+20880 +20880+15780	20880+20880 +19740+19740	20880+20880 +20880+19740	20880+20880 +20880+20880
Adjustable static pressure fan	Pa	30/60/80						
Number of fans	-	8						
Sound power Cooling/Heating	dB(A)	89/90						
Sound pressure level Cooling (night) [2]	dB(A)	69 (64)	69 (66)	69 (65)		69 (67)	69 (66)	
Dimensions (HxLxD)	mm	1793 x 5672 x 770	1793 x 6062 x 770			1793 x 6452 x 770		
Net weight	kg	375 + 375 + 272 + 272	375 + 350 + 272 + 272	375 + 375 + 350 + 272	375 + 375 + 375 + 272	375 + 375 + 350 + 350	375 + 375 + 375 + 350	375 + 375 + 375 + 375
Type of compressor	-	DC Scroll Inverter with gas reinjection						
Compressor number	-	6	7			8		
Max. number of indoor units that can be connected	-	64						
Connection rate (min-max) [3]	%	50 - 130% (200% depending on application)						
Cooling properties								
Refrigerant	-	R410A						
Refrigerant load	kg	43.4	44.1	44.4	44.7	45.4	45.7	46.0
Dimension of cooler connections – Liquid	inches	7/8			1			
Dimension of cooler connections – Low pressure gas	inches	2						
Dimension of cooler connections – High/low pressure gas	inches	1-3/4						
Electrical features, outdoor unit								
Power supply	-	3N ~ 400V 50 Hz + Neutral + Ground						
Maximum current	A	185.40	178.10	188.40	198.70	191.40	201.70	212
Indoor/outdoor connection (shielded) [4]	mm^2	2 x 0.75						

[1] For an outside temperature of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Up to 200%, refer to the technical documentation to see the conditions of application.. [4] Mass to be regenerated every 300 m.


HITACHI
air365

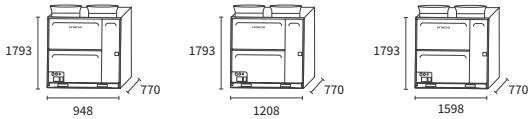
air365 Max Pro

High-Performance Range, reversible system / Energy recovery 5 - 54 hp (R410A)



SEER 8.38 | SCOP 5.19 | R410A REFRIGERANT | EUROVENT CERTIFIED PERFORMANCE

Outdoor units



RAS-5FSXNP2E
RAS-6FSXNP2E

RAS-8FSXNP2E
RAS-10FSXNP2E
RAS-12FSXNP2E
RAS-14FSXNP2E

RAS-16FSXNP2E
RAS-18FSXNP2E

Compatible controls and accessories

Installation of accessories



Condensation drainage kit
Model: **DBS-TP10A**



Refrigerant connection kit

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

Remote access



airCloud Pro
Model: **HC-IOTGW**

+ SERVICES

Flexible installation

- Available in 2 pipe/ 3 pipe.
- Wide power range: From 5 hp.
- Regulation changeover in 2 pipe: 4 modes available.

+ APPRAISAL

Gas reinjection compressor

- Wide operating range: -25°C to 52°C.
- SEER up to 8.38 and SCOP up to 5.19.
- COP up to 5.29.
- Hot overpower function: Maintains power up to -7°C.



+ TECHNOLOGY

airCloud Tap + NFC technology

airCloud Tap mobile application that allows OU and IU settings to be configured via NFC contact.
- Function test.
- Reading of operating parameters



High-performance heat pump air365 Max R410A

Model	Unit	RAS-5FSXNP2E	RAS-6FSXNP2E	RAS-8FSXNP2E	RAS-10FSXNP2E	RAS-12FSXNP2E	RAS-14FSXNP2E	RAS-16FSXNP2E	RAS-18FSXNP2E
Performance, cooling									
Capacity Cooling	kW	14.00	16.00	22.40	28.00	33.50	40.00	45.00	50.00
Absorbed capacity Cooling	kW	3.33	4.23	5.58	7.62	9.88	12.91	12.99	16.09
EER	-	4.2	3.78	4.02	3.68	3.39	2.64	3.47	3.11
SEER (average climate)	-	7.75	7.62	8.38	7.8	7.41	7.25	7.45	7.09
Seasonal energy efficiency rating cooling Πs, c	%	**307.0**	**301.8**	**332.2**	**309.0**	**293.4**	**287.0**	**295.0**	**280.6**
Operating ranges Cooling	-	-10°C/52°C DB							
Performance, heating									
Maximum Heating Power	kW	16.08	18.09	25.13	31.65	37.70	45.27	50.60	56.52
Capacity Heating	kW	14.00	16.00	22.40	28.00	33.50	40.00	45.00	50.00
Absorbed capacity Heating	kW	2.65	3.41	4.54	6.01	7.51	9.64	10.79	13.29
Capacity at -7°C [1]	kW	13.39	15.06	20.92	25.10	27.78	33.30	40.06	41.46
Capacity at -15°C [1]	kW	10.75	12.10	16.80	19.80	21.40	25.70	31.50	31.90
COP	-	5.29	4.69	4.94	4.66	4.46	4.15	4.17	3.76
SCOP (average climate)	-	5.04	4.44	5.19	4.92	4.93	4.69	5.03	4.66
Seasonal energy efficiency heating Πs, h	%	**198.6**	**174.6**	**204.6**	**193.8**	**194.2**	**184.6**	**198.2**	**183.4**
Operating ranges heating	-	-25°C/16°C WB							
Technical characteristics									
Airflow	m^3/h	9240	10500	11100	13140		15360	20760	21720
Adjustable static pressure	Pa	30/60/80							
Number of fans	-	1		2					
Sound power (Cooling/Heating)	dB(A)	72/73	78/76	76/77	81/82	79/78	81/80	83/84	85/86
Sound pressure [2] (night mode)	dB(A)	52 (53)	57 (53)	57 (56)	60 (56)	59 (56)	60 (55)	63 (61)	65 (62)
Dimensions (HxLxD)	mm	1793 x 948 x 770		1793 x 1208 x 770				1793 x 1598 x 770	
Net weight	kg	197		262		267		360	
Type of compressor	-	DC Scroll Inverter with gas reinjection							
Compressor number	-	1						2	
Max. number of indoor units that can be connected	-	16	19	26	32	39	45	52	58
Connection rate [3]	-	50 - 130% (200% depending on application)							
Cooling properties									
Refrigerant	-	R410A							
Refrigerant load	kg	5.7	6.0	9.1	9.1	9.3	9.3	10.6	11.1
Dimension of cooler connections – Liquid	inches	3/8				1/2			5/8
Dimension of cooler connections – Low pressure gas	inches	3/4			7/8	1		1-1/8	
Dimension of cooler connections – High/low pressure gas	inches	5/8			3/4	7/8			
Electrical features									
Power supply	-	3N - 400V 50 Hz + Neutral +Ground							
Maximum intensity (Hot overpower)	A	8.6 (11.5)	11.2 (13.3)	14.5 (16.8)	19.5 (24.7)	22.4 (28)	28.0 (33.3)	30.6 (34.2)	35 (43.3)
Indoor/outdoor connection (shielded) [4]	mm^2	2 x 0.75							

[1] For an ambient T° of 20°C and a 100% connection rate. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 130%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

High-performance VRF air365 Max R410A

	Unit	RAS-20FSXNP2E	RAS-22FSXNP2E	RAS-24FSXNP2E	RAS-26FSXNP2E	RAS-28FSXNP2E	RAS-30FSXNP2E	RAS-32FSXNP2E	RAS-34FSXNP2E	RAS-36FSXNP2E
Unit 1 name		RAS-10FSXNP2E	RAS-12FSXNP2E	RAS-12FSXNP2E	RAS-16FSXNP2E	RAS-16FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E
Unit 2 name		RAS-10FSXNP2E	RAS-10FSXNP2E	RAS-12FSXNP2E	RAS-10FSXNP2E	RAS-12FSXNP2E	RAS-12FSXNP2E	RAS-14FSXNP2E	RAS-16FSXNP2E	RAS-18FSXNP2E
Twin unit connection kit		MC-20AN1			MC-21AN1					
Performance, cooling										
Capacity Cooling	kW	56.00	61.50	67.00	73.00	78.50	83.50	90.00	95.00	100.00
Absorbed capacity Cooling	kW	19.75	23.53	24.64	24.38	26.07	28.07	31.59	33.28	35.27
EER	-	3.68	3.51	3.39	3.54	3.43	3.22	2.88	3.27	3.11
SEER (average climate)	-	7.44	7.30	7.19	7.45	7.33	7.11	7.15	7.25	7.09
Seasonal energy efficiency rating cooling Πs, c	%	**294.6**	**289.0**	**284.6**	**295.0**	**290.2**	**281.4**	**283**	**287**	**280.6**
Operating ranges Cooling	-	-10°C/52°C DB								
Performance, heating										
Maximum Heating Power	kW	63.58	69.63	75.69	82.25	88.31	94.36	101.93	106.98	113.03
Capacity Heating	kW	56.00	61.50	67.00	73.00	78.50	83.50	90.00	95.00	100.00
Absorbed capacity Heating	kW	12.01	13.51	15.02	16.85	18.34	20.77	24.12	24.11	26.59
Capacity at -7°C [1]	kW	46.65	51.09	55.53	60.34	64.79	69.23	74.78	78.48	82.92
Capacity at -15°C [1]	kW	35.89	39.31	42.72	46.43	49.84	53.26	57.53	60.38	63.80
COP	-	4.66	4.55	4.46	4.33	4.28	4.02	3.73	3.94	3.76
SCOP (average climate)	-	4.71	4.79	4.87	4.85	4.91	4.63	4.53	4.70	4.50
Seasonal energy efficiency heating Πs, h	%	**185.4**	**188.6**	**191.8**	**191.0**	**193.4**	**182.2**	**178.2**	**185.0**	**177.0**
Operating ranges heating	-	-25°C/16°C WB								
Technical characteristics										
Airflow	m³/h	13140 + 13140			13140 + 20760		13140 + 21720	15360 + 21720	20760 + 21720	21720 + 21720
Adjustable static pressure	Pa	30/60/80								
Number of fans	-	4								
Sound power Cooling/Heating	dB(A)	83/84	82/82	81/80	84/85	83/83	84/84	85/85	86/87	87/88
Sound pressure [2] (night mode)	dB(A)	62 (58)	62 (58)	61 (58)	64 (61)	63 (61)	64 (61)	65 (61)	66 (64)	67 (64)
Dimensions (HxLxD)	mm	1793 x 2436 x 770			1793 x 2826 x 770				1793 x 3216 x 770	
Net weight	kg	262 + 262	267 + 262	267 + 267	360 + 262	360 + 267			360 + 360	
Type of compressor	-	DC Scroll Inverter with gas reinjection								
Compressor number	-	2			3				4	
Max. number of indoor units that can be connected	-	64								
Connection rate [3]	-	130% (200% depending on the applications)								
Cooling properties										
Refrigerant	-	R410A								
Refrigerant load	kg	18.2	18.4	18.6	19.7	19.9	20.4		21.7	22.2
Dimension of cooler connections – Liquid	inches	5/8			3/4					
Dimension of cooler connections – Low pressure gas	inches	1-1/8			1-1/4					1-1/2
Dimension of cooler connections – High/low pressure gas	inches	7/8	1		1-1/8					
Electrical features										
Power supply	-	3N - 400V 50 Hz + Neutral + Ground								
Maximum intensity (Hot overpower)	A	39 (49.4)	41.9 (52.7)	44.8 (56)	50.1 (58.9)	53 (62.2)	57.4 (71.3)	63 (76.6)	65.6 (77.5)	70 (86.6)
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75								

[1] For an outside temp. of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 150%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

High-performance VRF air365 Max R410A

	Unit	RAS-38FSXNP2E	RAS-40FSXNP2E	RAS-42FSXNP2E	RAS-44FSXNP2E	RAS-46FSXNP2E	RAS-48FSXNP2E	RAS-50FSXNP2E	RAS-52FSXNP2E	RAS-54FSXNP2E
Unit 1 name		RAS-12FSXNP2E	RAS-12FSXNP2E	RAS-14FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E
Unit 2 name		RAS-12FSXNP2E	RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-16FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E	RAS-18FSXNP2E
Unit 3 name		RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-12FSXNP2E	RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-14FSXNP2E	RAS-16FSXNP2E	RAS-18FSXNP2E
Twin unit connection kit		MC-30AN1								
Performance, cooling										
Capacity Cooling	kW	107.00	113.50	120.00	123.50	130.00	135.00	140.00	145.00	150.00
Absorbed capacity Cooling	kW	38.17	40.16	42.27	45.05	47.16	49.27	49.23	50.91	52.91
EER	-	3.07	2.83	2.64	3.01	2.81	3.05	2.96	3.21	3.11
SEER (average climate)	-	7.19	7.21	7.24	7.15	7.18	7.25	7.13	7.20	7.09
Seasonal energy efficiency rating cooling ηs, c	%	**284.6**	**285.4**	**286.6**	**283.0**	**284.2**	**287.0**	**282.2**	**285.0**	**280.6**
Operating ranges Cooling	-	-10°C/52°C DB								
Performance, heating										
Maximum Heating Power	kW	121.10	128.67	136.24	139.77	147.34	150.88	158.44	163.49	169.55
Capacity Heating	kW	107.00	113.50	120.00	123.50	130.00	135.00	140.00	145.00	150.00
Absorbed capacity Heating	kW	25.90	29.25	32.60	31.66	35.04	34.97	37.43	37.46	39.89
Capacity at -7°C [1]	kW	88.85	94.40	99.95	102.55	108.10	110.69	116.24	119.94	124.39
Capacity at -15°C [1]	kW	68.36	72.63	76.90	78.90	83.17	85.16	89.43	92.28	95.70
COP	-	4.13	3.88	3.68	3.90	3.71	3.86	3.74	3.87	3.76
SCOP (average climate)	-	4.76	4.66	4.58	4.61	4.54	4.66	4.51	4.62	4.50
Seasonal energy efficiency heating ηs, h	%	**187.4**	**183.4**	**180.2**	**181.4**	**178.6**	**183.4**	**177.4**	**181.8**	**177.0**
Operating ranges heating	-	-25°C/16°C WB								
Technical characteristics										
Airflow	m³/h	13140 + 13140 + 15360	13140 + 15360 + 15360	15360 + 15360 + 15360	13140 + 15360 + 21720	15360 + 15360 + 21720	15360 + 20760 + 21720	15360 + 21720 + 21720	20760 + 21720 + 21720	21720 + 21720 + 21720
Adjustable static pressure	Pa	30/60/80								
Number of fans	-	6								
Sound power (Cooling/Heating)	dB(A)	83/82		84/83	85/44	85/85	86/86	87/87	87/88	88/89
Sound pressure [2] (night mode)	dB(A)	62 (59)	63 (58)		64 (61)	65 (60)	66 (62)	66 (63)	67 (65)	68 (65)
Dimensions (HxLxD)	mm	1793 x 3664 x 770			1793 x 4054 x 770		1793 x 4444 x 770		1793 x 4834 x 770	
Net weight	kg	267 + 267 + 267			360 + 267 + 267		360 + 360 + 267		360 + 360 + 360	
Type of compressor	-	DC Scroll Inverter								
Compressor number	-	3			4		5		6	
Max. number of indoor units that can be connected	-	64								
Connection rate [3]	-	130% (200% depending on the applications)								
Cooling properties										
Refrigerant	-	R410A								
Refrigerant load	kg	27.9			29.7		31	31.5	32.8	33.3
Dimension of cooler connections – Liquid	inches	3/4								
Dimension of cooler connections – Low pressure gas	inches	1 - 1/2								
Dimension of cooler connections – High/low pressure gas	inches	1-1/8								
Electrical features										
Power supply	-	3N - 400V 50 Hz + Neutral + Ground								
Maximum intensity (Overpower, hot)	A	72.8 (89.3)	78.4 (94.6)	84 (99.9)	85.4 (104.6)	91 (109.9)	93.6 (110.8)	98 (119.9)	100.6 (120.8)	105 (129.9)
Indoor/outdoor connection (shielded) [4]	mm²	2 x 0.75								

[1] For an outside temp. of 20°C and a connection rate of 100%. [2] Anechoic chamber readings taken 1.5 m from the front of the appliance.
[3] Above 150%, refer to the technical documentation for application conditions. [4] Volume to regenerate every 300 m.

Benefits
Heat pump air365 Max (R32 & R410A)

1 A new design with a gas reinjection compressor for improved heating performance

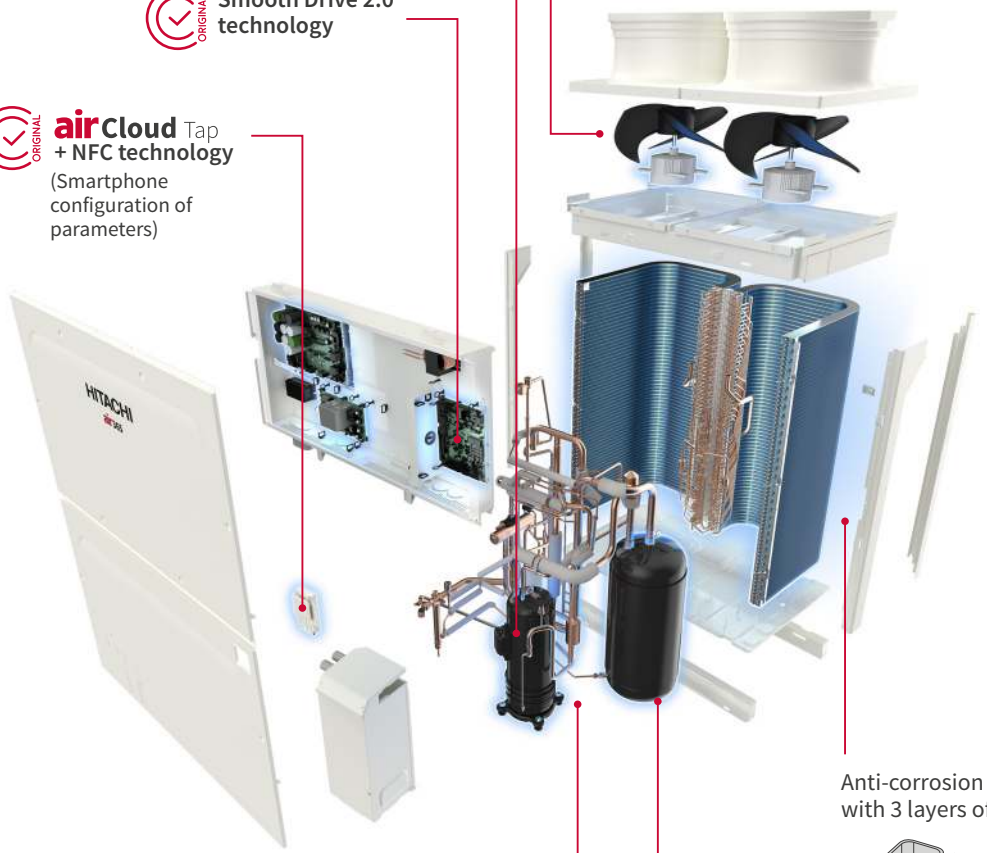
A new range of VRF outdoor units with a unique design for increased heating performance and comfort thanks to new components that improve reliability and energy savings.

New Hitachi Scroll Compressor with gas reinjection Operation between -25°C and 52°C ext.

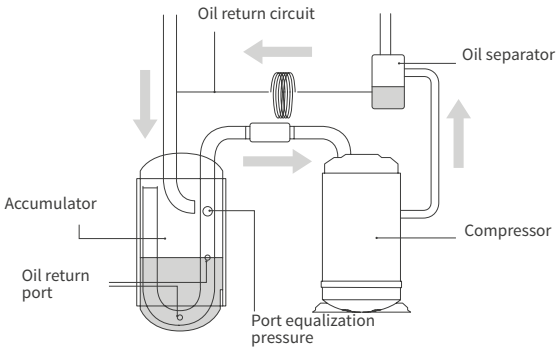
Smooth Drive 2.0 technology

airCloud Tap + NFC technology
(Smartphone configuration of parameters)

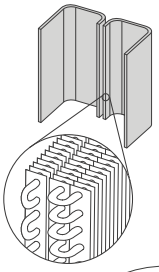
3-blade fans with a structure that improves airflow (low power consumption).

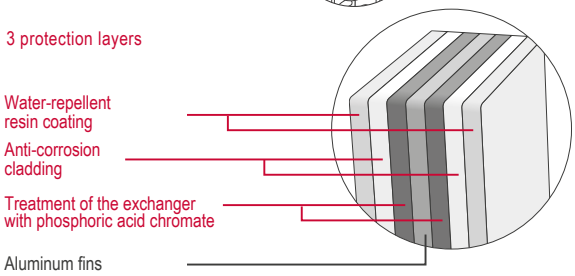


Patented oil return control cycle: Consumes less energy and reduces noise, resulting in greater efficiency.



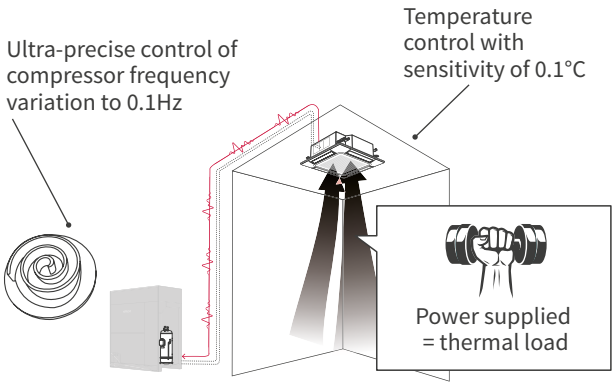
Anti-corrosion heat exchanger with 3 layers of protection.





2 Smoothcontrol drive 2.0

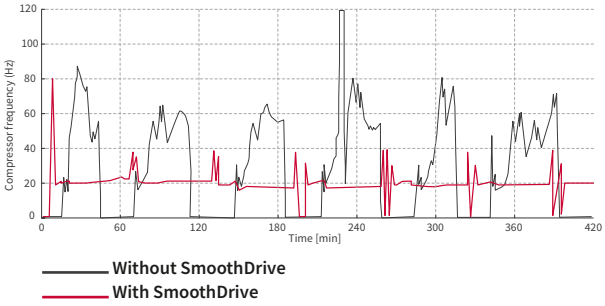
Adjustment of quantity of refrigerant needed by the indoor unit



The compressor rotation frequency is as close as possible to requirements: precise setpoint temperature

HEATING MODE

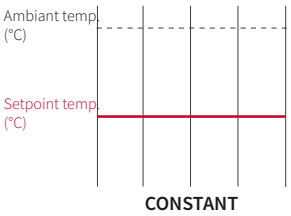
50% CHARGE



Ultimate comfort

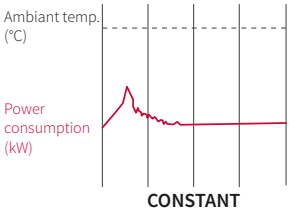
The compressor speed is adjusted continuously in accordance with the difference between the ambient temperature and the set temperature. This operating logic allows for ultra-precise balancing between production capacity and load (demand) with fewer start/stop cycles for the compressor.
Just like a car that accelerates and brakes smoothly, it consumes less energy with fewer start/stop operations.

Stable ambient temperature



&

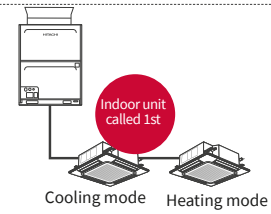
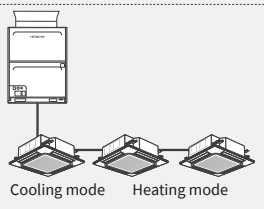
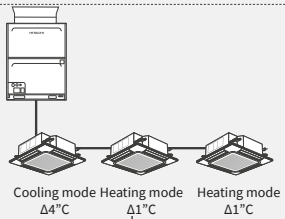
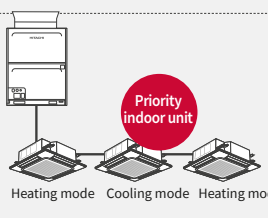
Low level of power consumption



3 Regulation change-over (2-pipe): 4 modes available for ultimate comfort tailored to each type of building.

In 2-pipe systems, it is possible to configure during commissioning how the system determines whether to switch between heating and cooling modes.

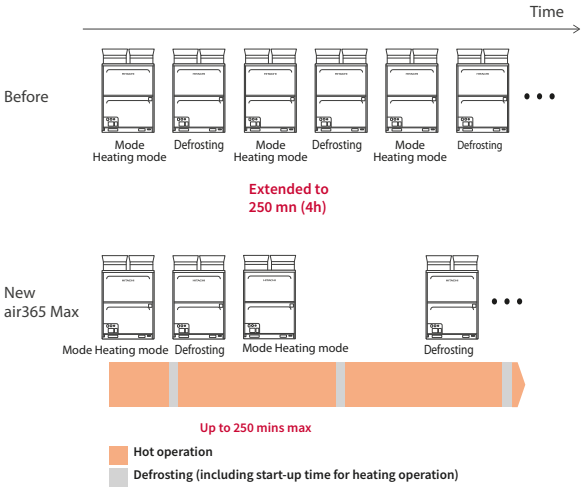
Settings via the new PC-ARFG2(3)-E(B) remote controls

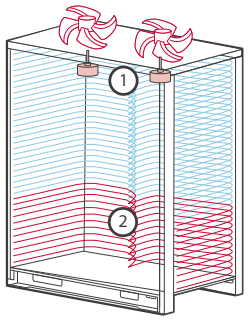
Before (available on all HITACHI heat pump units)	**Smart changeover function** (also available on the air365 ranges)		
❶ Priority given to the first request (Default setting)	❷ Majority voting system	❸ Temperature difference mode between the sum of Hot/Cold indoor unit	❹ Indoor unit priority mode
Regulation mode: Indoor unit to the first request	Control method: Majority vote based on the number of indoor units requesting cooling or heating	Control mode: Sum of temperature differences	Control mode: Priority indoor unit
			
Adopted cooling mode After thermo-off (shutdown), the first indoor unit "in demand" (Thermo-On) will impose the cooling or heating operating mode, which means that all other indoor units will also be set to this operating mode.			

Benefits
Heat pump air365 Max (R32 & R410A)

4 Smart Defrost (smart defrosting) to maintain comfort levels

Smart defrosting that optimizes the defrosting cycle and cuts the indoor unit fans during the cycle.



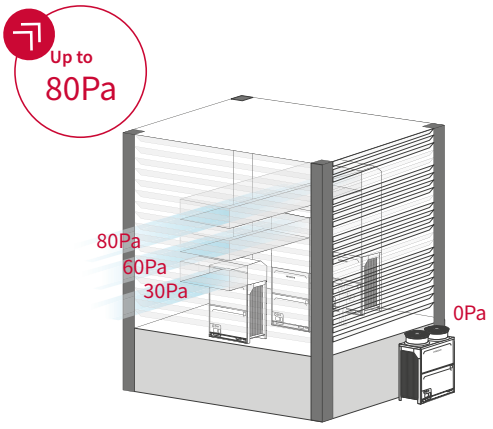


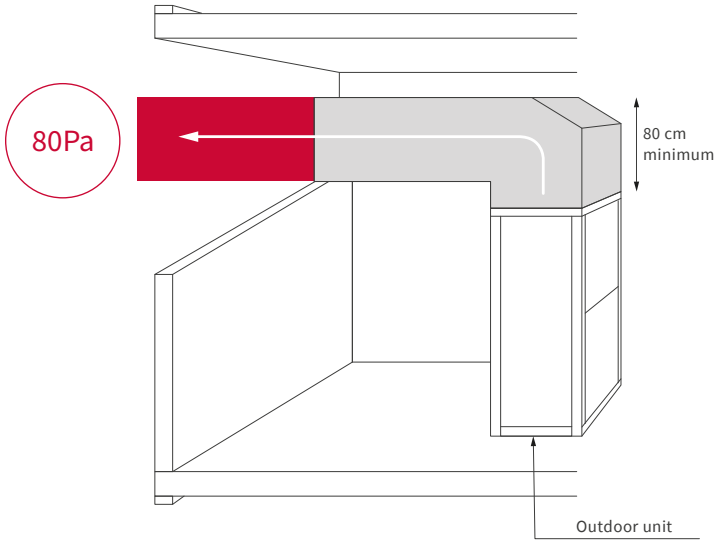
- Reduced defrost frequency for single-module systems. The unit operates down to -25°C in cold weather.
- Patented smart detection technology detects when defrosting is necessary and instantly adjusts the heat exchanger temperature to remove ice and frost, reducing frequent and unnecessary defrost cycles.
- Defrost cycle every 250 minutes (i.e., every 4 hours of operation without defrosting).
- Twin units (continuous heating), as defrosting alternates between the units.

5 Great flexibility



6 Indoor installation: 80 Pa of pressure available





4 adjustable static pressure levels: 0 Pa, 30 Pa, 60 Pa, 80 Pa.



Cooling connections

Part numbers of cooler accessories

Multi-Kit



2 pipes	3 pipes
E-102SN4	E-52XN3
E-162SN4	E-102XN3
E-242SN3	E-162XN3
E-302SN3	E-202XN3
MW-NP2682A3	E-242XN3
	E-322XN3

Collector



2 pipes	3 pipes
MH-84AN1	MH-108XN
MH-108AN	

Twin unit connection multi-kit



	Outdoor unit	Number of outdoor units	Multkit for external groups. Reversible	Multkit for external groups. for heat recovery
air 365 Max	RAS-(26-48)FSXNS2E	2	MC-21AN1	MC-21XN1
	RAS-(50-54)FSXNS2E	3	MC-30AN1	MC-30XN1
	RAS-(56-72)FSXNS2E	3	MC-NP31SA	-
	RAS-(74-96)FSXNS2E	4	MC-NP40SA	-
air 365 Max Pro	RAS-(20-24)FSXNP2E	2	MC-20AN1	MC-20XN1
	RAS-(26-36)FSXNP2E	2	MC-21AN1	MC-21XN1
	RAS-(38-54)FSXNP2E	3	MC-30AN1	MC-30XN1







Outdoor unit condensate evacuation kit



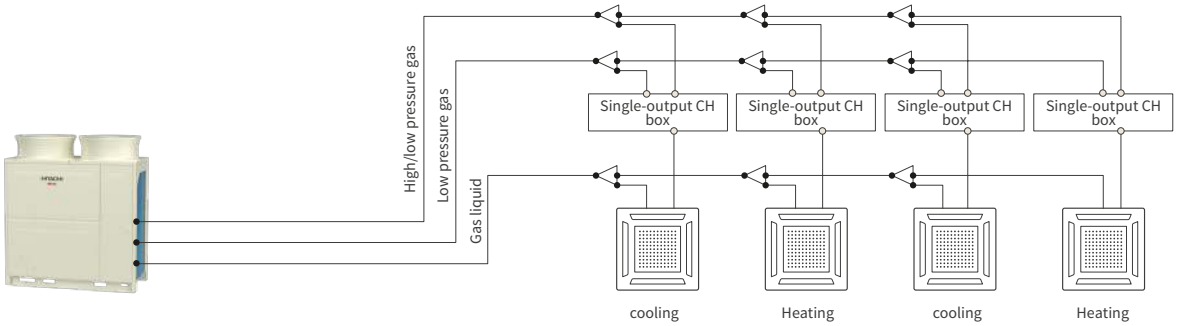
DBS-TP10A

Heat pump CH single boxes

Compatible range, R410A air365 Max (Pro) and SET FREE Mini 3-pipe (8 to 12 hp).



CH single-outlet box: 2-pipe connection (gas lines only)



Description

- CH 1 output enclosure range.
- Up to 8 indoor units per CH box.
- Compactness.
- Lightweight.
- Connection of 2 pipes only (gas piping).
- No condensate connection.
- Long pipe lengths possible.
- Very low noise level up to 33 dB(A).
- Flare-type refrigeration connections.

Single CH boxes	Part no.	CH-AP160SSX	CH-AP280SSX
Max. hp power in cooling mode	hp (kW)	6 (16.0)	10 (28.0)
Number of indoor units that can be connected*		1 ~ 7	1 ~ 8
Max. lengths after box	m	40	
Difference in height of indoor units connected to the same CH box	m	< 4	
Height difference between each CH box or between a CH box and an indoor unit	m	< 15	
Dimensions (HxLxD)	mm	191 x 301 x 214	
Weight	kg	6	
Diameter of cooling system – outdoor unit	inches	5/8" - 3/4"	
Diameter of cooling system – indoor unit	inches	5/8"	3/4"
Sound pressure level	dBA	33 (46 max**)	
Power cable	mm^2	3G1. 5	
Max. current	A	5	

* If connecting multiple indoor units per branch, use the Hitachi cooling fittings referenced P. <?>.
** Max. noise means the maximum operating noise level of the CH box emitted when the unit is in simultaneous cooling and heating or in defrost mode.

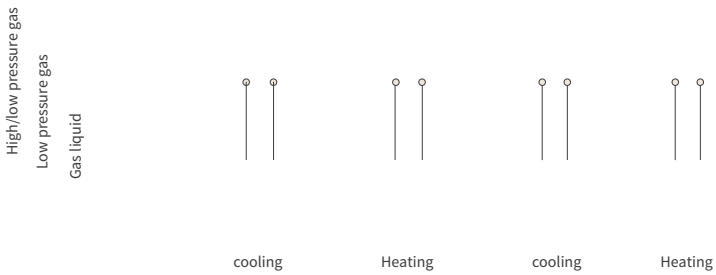
Heat pump CH multi boxes

Compatible range, R410A air365 Max (Pro) (5~54 HP)
and SET FREE Mini 3-pipe (8 to 12 hp)



CH Multi-output box: Connection with 3-pipe





Description

- Range of CH multi-output enclosures.
- Up to 96 indoor units per CH box.
- Low height.
- Low volume.
- Lightness.
- No condensate connection.
- Very low noise level up to 31 dB(A).
- Refrigeration connections to be soldered (outdoor unit side) and flare type (indoor unit side).
- Standard accessories: Reducer and enlarger for soldered outlet on the indoor unit side.

Multi CH boxes	Part no.	CH-AP04MSSX	CH-AP08MSSX	CH-AP12MSSX	CH-AP16MSSX
Number of branches		4	8	12	16
Number of units per branch*		1 ~ 6			
Total max. power per CH	Hp (kW cooling)	16.00 (max. 44.8 kW)	30.00 (max. 85 kW)		
Total max. power per branch	Hp (kW cooling)	6Hp (16 kW)			
Max. lengths after box	m	40 (30***)			
Difference in height of indoor units connected to the same CH box	m	< 4			
Height difference between each CH box or between a CH box and an indoor unit	m	< 15			
Dimensions (HxLxD)	mm	260 x 303 x 352	260 x 543 x 352	260 x 783 x 352	260 x 1023 x 352
Weight	kg	14	25	36	47
Diameters of cooling system – outdoor unit	inches	7/8" - 1" - 1/2"	7/8" - 1" 1/8 - 1/2"	1" - 1" 1/8 - 5/8"	1" 1/8 - 1" 1/4 - 3/4"
Diameters of cooling system – indoor unit	inches	5/8" - 3/8"			
Sound pressure level	dBA	31 (46 max**)		34 (46 max**)	
Power cable	mm²	3G1. 5			
Max. current	A	5			

* When connecting multiple indoor units in a branch configuration, use Hitachi refrigerant connectors.
** Max. noise means the maximum operating noise level of the CH box emitted when the unit is in simultaneous cooling and heating or in defrost mode.
***When the recommended number of indoor units is exceeded.

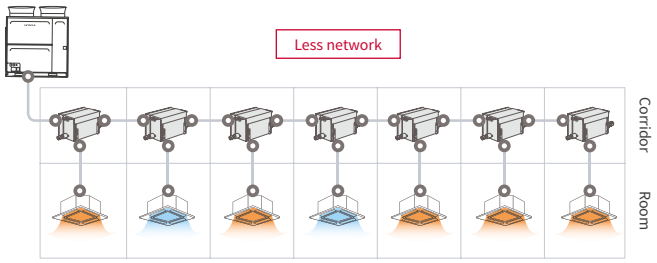
Flexible installation

It is possible to mix single-output and multi-output boxes on R410A systems when 5, 9, 13, or 17 outputs are required.

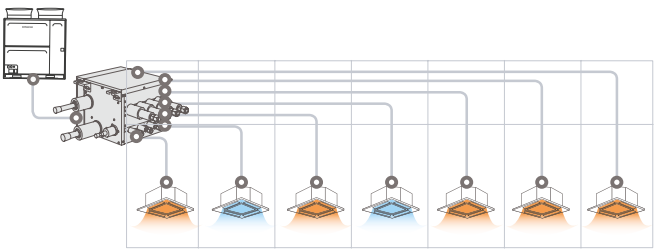
"Long and narrow building" application

Installation in a corridor to simplify distribution to the indoor units.

Single-output



Multi-outputs

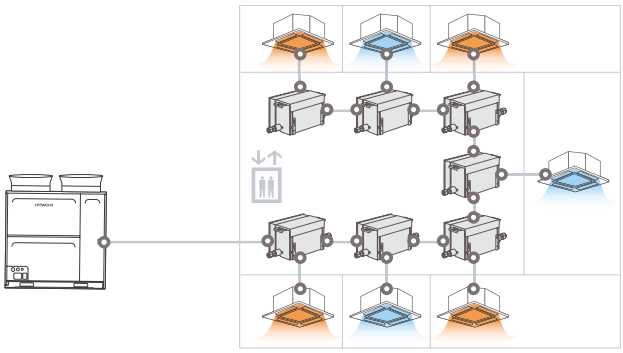


Single-output		Multi-outputs
58 m	Pipe length	136 m
6	Multikit required	0
92 points (Soldering: 57/Flare: 32)	Connection points	34 points (Soldering: 6/Flare: 28)

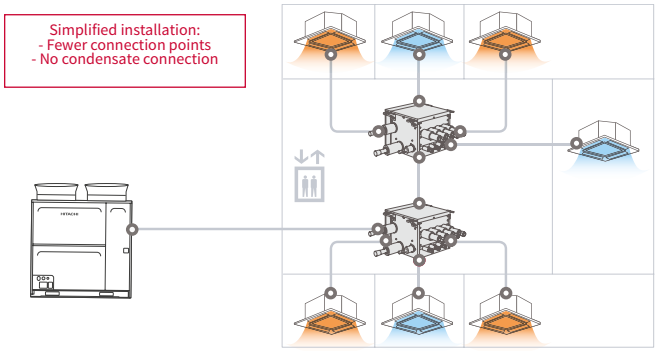
Located in the center of the building

By positioning the boxes in the center of the units (save tubes, less labor and reduced load).

Single-output



Multi-outputs



Single-output		Multi-outputs
60 m	Pipe length	63 m
6	Multikit required	1
92 points (Soldering: 57/Flare: 32)	Connection points	40 points (Soldering: 12/Flare: 28)

More installation flexibility:

- **Very compact**
- **Light**

Simplified installation:

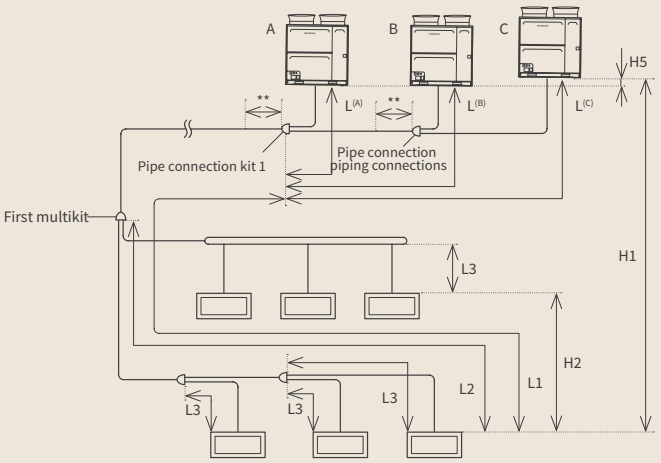
- **No condensate connection**

Connection of 2-pipe (air365 R32 and R410A)

Limitations of 2-pipe refrigeration systems

Sizing rules for cooling connections	Max. features of the cooling system	Symbol	Permissible length of pipes
Total length of piping		Actual total length of the refrigerant pipework	≤ 1000m
Max. pipe length	Actual length	L1	≤ 200m
	Equivalent length		≤ 225m
Max. length of piping between the multi-kit of the first branch line and each indoor unit		L2	≤ 100m
Max. pipe length between multi-kits and indoor units		L3	≤ 60m
Length of piping between the piping connection kit and each outdoor unit		La, Lb, Lc	≤ 25m
Height difference between outdoor units and indoor units	Highest outdoor unit	H1	≤ 50m(1)
	Lowest outdoor unit		≤ 40m(2)
Height difference between indoor units		H2	≤ 40m
Difference in height between the outdoor units		H6	≤ 2m

(1) A height difference of up to 110m is available for all models.. Remember, you must obtain prior approval from Hitachi's Customer Service team if the difference in height is greater than 50 m. Please contact Hitachi's Customer Service department to provide them with the necessary features of the system so that they can carry out a feasibility study.
(2) When H2 is equal to or greater than 30 m, the connection rate of connected indoor units is ≤ 100%.



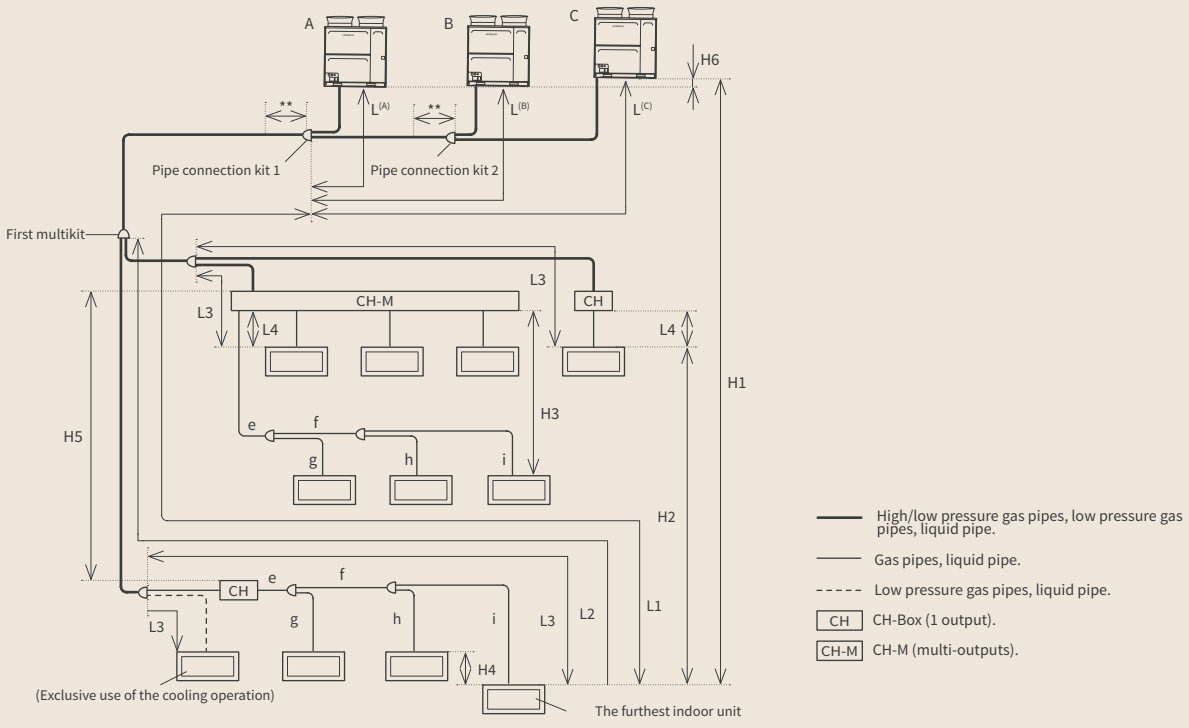
* These maximum values may vary depending on the maximum number of indoor units connected. Refer to current technical documentation.
** Keep a straight distance of 500 mm or more downstream of the connection kit.

3-pipe connection (air365 R410A)

Limitations of 3-pipe refrigeration connections

Sizing rules for cooling connections	Max. features of the cooling system	Symbol	Permissible length of pipes
Total length of piping		Actual total length of the refrigerant pipework	≤ 1000m
Max. pipe length	Actual length	L1	≤ 200m
	Equivalent length		≤ 225m
Max. length of piping between the multi-kit of the first branch line and each indoor unit		L2	≤ 100m
Max. pipe length between multi-kits and indoor units		L3	≤ 40m
Total pipe length between the CH-Box and each indoor unit		L4 (e + f + g + h + i)	≤ 40m
Length of piping between the piping connection kit and each outdoor unit		La, Lb, Lc	≤ 25m
Height difference between outdoor units and indoor units	Highest outdoor unit	H1	≤ 50m(1)
	Lowest outdoor unit		≤ 40m
Height difference between indoor units		H2	≤ 40m
Height difference between the CH box and indoor unit		H3	15m(2)
Difference in height between indoor units connected to the same CH box branch		H4	≤ 4m
Height difference between CH boxes		H5	≤ 40m(3)
Difference in height between the outdoor units		H6	≤ 2m

(1) A height difference of up to 110m is available for all models.. Remember, you must obtain prior approval from Hitachi's Customer Service team if the difference in height is greater than 50 m. Please contact Hitachi's Customer Service department to provide them with the necessary features of the system so that they can carry out a feasibility study.
(2) The recommended height difference between the CH-Box and the indoor unit should not exceed 15 m. If the height difference exceeds this value, it may result in reduced operating performance.
(3) If the height difference between indoor units or the height difference between CH boxes exceeds 15 m, the liquid pipes after the Multi-kit of the first branch must be selected according to the restriction relative to the height difference between indoor units.

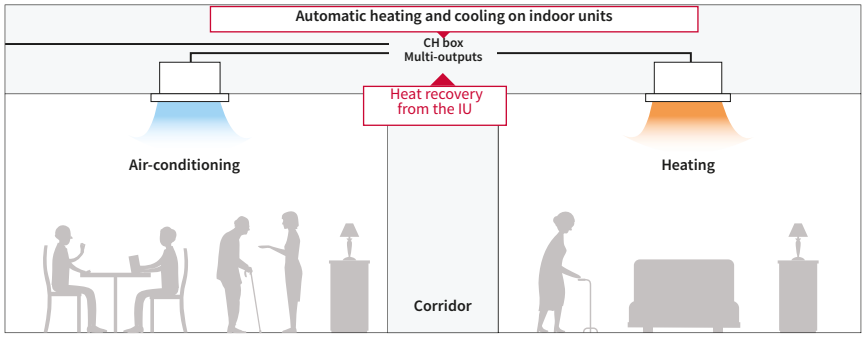


* These maximum values may vary depending on the maximum number of indoor units connected. Refer to current technical documentation.
** Keep a straight distance of 500 mm or more downstream of the connection kit.

Examples of applications



EHPAD/Clinics/Hospitals

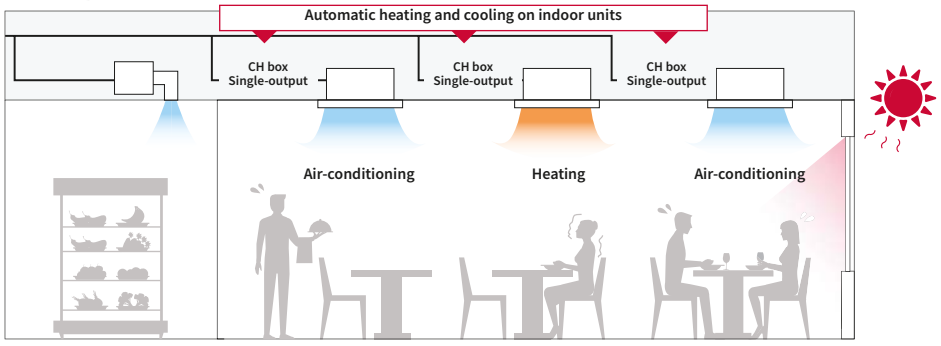




In AUTO mode, thanks to the temperature sensor Integrated into the indoor unit's air intake or the remote control's room sensor, the indoor unit monitors the difference between the actual temperature and the setpoint to optimize comfort and save energy.



Hotels

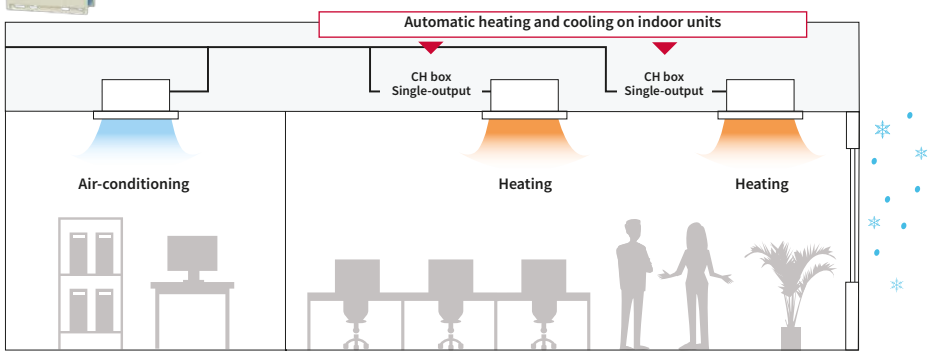




One group for heating, air conditioning and cooling food conservation or server room. The food conservation or server room functions in cooling mode only.
The connected capacity in cooling mode can be up to 50% of the outdoor unit's power.



Offices



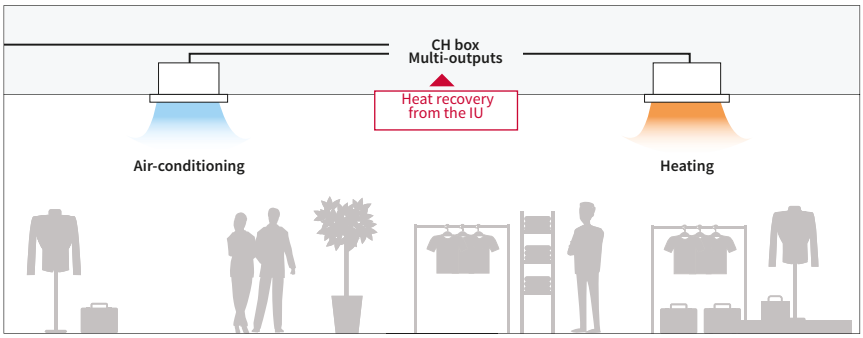


Air365 Max or Set Free Mini solution with a single or multi-output box for all indoor units except one connected upstream and operating in cooling mode only, which avoids adding a single split for the technical room.
Unique and exclusive solution on the market. Unbeatable in terms of price positioning.

Examples of applications



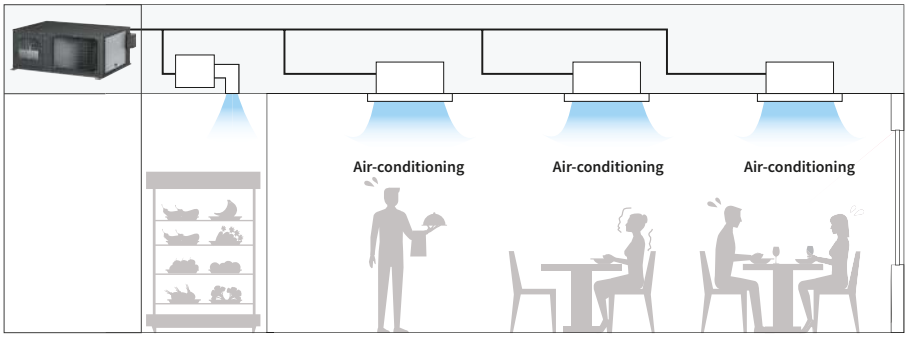
Stores





In AUTO mode, thanks to the temperature sensor Integrated into the indoor unit's air intake or the remote control's room sensor, the indoor unit monitors the difference between the actual temperature and the setpoint to optimize comfort and save energy.

Downtown restaurants and buildings

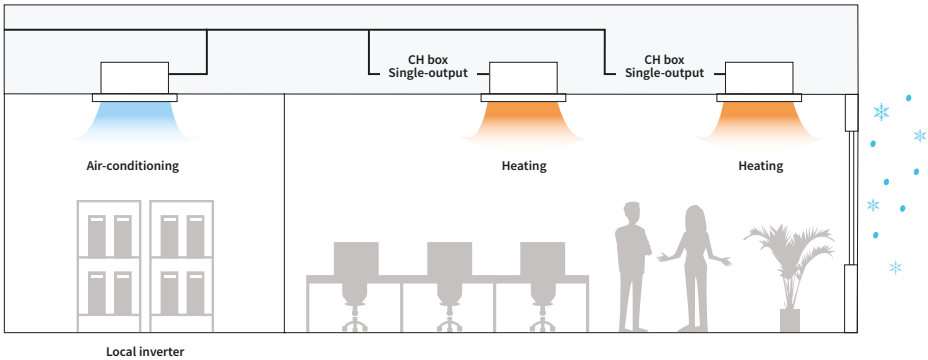




Heat pump Centrifuge unit for heating and cooling buildings. A single unit can provide CH to 6 different areas. Monobloc system to be installed in a technical room to provide an invisible heat pump solution.



Industries and data centers



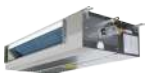


The air365 Max (Pro) range is an ideal solution for sensitive sites such as data centers, as it can operate in cooling mode at outdoor temperatures as low as -10°C. Possibility of connecting the unit with a single or multi-output box to control all indoor units in the premises, inverters, and operators.



Quick selection table

The RCIM / RCI / RPI(L/H) / RPC / RPK-...FSR2(E/M) models are indoor unit models with integrated leak detection sensor, for installation with air365Max (Pro) outdoor units using R32.

		Capacities Cooling (hp)																
		0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5	3.0	4.0	5.0	6.0	8.0	10.0	16.0	20.0
4-way 600x600 cassettes RCIM-FSRE RCIM-FSR2E: RCIM-FSR2E: Built-in R32 leak sensor (Only compatible with air365 R32) • Refrigerant R32 • Refrigerant R410A		•	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-	-	-
		•	•	•	•	•	•	•	•	•	•								
4-way 800x800 cassettes RCI-FSR1 RCI-FSR2: Built-in R32 leak sensor (Only compatible with air365 R32) • Refrigerant R32 • Refrigerant R410A		-	-	-	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-
					•	•	•	•	•	•	•	•	•	•	•				
2-way cassette RCD-FSR • Refrigerant R32 • Refrigerant R410A		-	-	•	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-
				•	•	•	•	•	•	•	•	•	•	•	•				
Ceiling unit RPC-FSR RPC-FSR2: Builti-in R32 leak sensor (Only compatible withr365 R32) • Refrigerant R32 • Refrigerant R410A		-	-	-	-	•	•	•	•	•	•	•	•	•	•	-	-	-	-
						•	•	•	•	•	•	•	•	•	•				
Ducted units 1. RPIZ-HNDTS1Q (Compact: up to 50Pa) Compatible with air365 Max (Pro) • Refrigerant R410A		-	-	•	•	•	•	•	•	-	•	•	-	-	-	-	-	-	-
2. RPIL-FSR1E RPIL-FSR2E: Built-in R32 leak sensor (Only compatible with air365 R32) (utra compact: Up to 100Pa) • Refrigerant R32 • Refrigerant R410A		•	•	•	•	•	•	-	-	-	-	-	-	-	-	-	-	-	-
		•	•	•	•	•	•												
3. RPI-FSR1E RPI-FSR2E: Built-in R32 leak sensor (Only compatible with air365 R32) (Medium : up to 150Pa) • Refrigerant R32 • Refrigerant R410A		-	-	-	-	•	•	•	•	•	•	•	•	•	•	-	-	-	-
						•	•	•	•	•	•	•	•	•	•				
4. RPIH-FSR1E RPIH-FSR2E: Built-in R32 leak sensor (Only compatible with air365 R32) (high pressure: Up to 200Pa) • Refrigerant R32 • Refrigerant R410A		-	-	-	-	-	-	-	-	-	-	-	•	•	•	-	-	-	-
													•	•	•				
5. RPI-FSN3(P)E (high-performance: Up to 220 Pa) • Refrigerant R410A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	•
Wall unit Only compatible with air365 R32 RPK-FSR(H)2M Built-in R32 leak sensor • Refrigerant R32		•	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
		•	•	•	•	•	•	•	•	•	•	•	•						
RPK-FSR(H)M Remote pressure regulator (optional) • Refrigerant R32 • Refrigerant R410A		•	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
		•	•	•	•	•	•	•	•	•	•	•	•						
Console RPF(I)-FSN2E Enclosed or non-enclosed • Refrigerant R410A		-	-	-	•	•	•	•	•	•	•	-	-	-	-	-	-	-	-
					•	•	•	•	•	•	•								

Utopia Prime heat pump indoor units

A range of indoor units compatible with R32 or R410A refrigerant (FSR(1)(2)E range)

- **All Set Free indoor units are available with R32, with the exception of RPF/RPFI consoles and RPI-FSN3E 8 to 20 HP ducted units, which will remain compatible with R410A only.**
- **All of our indoor units have been upgraded to generation 3, with the exception of RPI-FSN3E consoles and ducted units, in order to enable the reading and configuration of new features available on the new PC-ARFG2(3)-E(B) remote controls..**

Models with FSR2(E/M) endings are indoor unit models with integrated leak detection sensor, compatible with air365Max (Pro) outdoor units using R32.

4-way cassettes



600 X 600
RCIM-0.4-2.5FSRE
RCIM-0.4-2.5FSR2E (air365 only compatible with R32)



800 X 800
RCI-1.0-6.0FSR
RCI-1.0-6.0FSR2 (air365 only compatible with R32)

- Cassette 600x600: Available from 1.1 to 7 kW,
- Cassette 800x800: Available from 2.8 to 16 kW,
- 600 x 600 cassette, non-overflowing,
- Save energy with the motion sensor (optional),
- Independent control of the air vents,
- Condensate can be lifted up to 850 mm,
- Standard antivirus filter.

2-way cassette



RCD-0.8-6.0FSR

- Available from 2.2 to 16 kW,
- Save energy with the optional motion sensor.
- Condensate can be lifted up to 850 mm,
- Independent control of the air vents,
- Standard antivirus filter.

Ducted units



RPIZ 0.8-2.5HNDTS1Q
RPI(L/H)-0.4~6FSR1E
RPI-(8~20)FSN3(P)E
RPI(L/H)-0.4~6FSR2E (air365 only compatible with R32)

- Available from 1.1 to 56 kW,
- Condensate lift up to 850 mm,
- Static pressure available up to 220 Pa,
- The non-flammable insulating material is certificated with a grade of Flammability Class “B s3 d1” (based on European standard EN 13501-1+1: 2009).

Wall



RPK- (0.4-4.0)FSR(H)M



RPK-(0.4-4.0)FSR2(H)M
Only compatible with air365 R32

- Available from 1.1 to 11.2 kW,
- Remote electronic regulator option,
- 4 fan speeds available,
- Built-in infrared receiver.

Console



RPF-1.0-2.5FSN2E

- Available from 2.2 to 7.1 kW,
- Enclosed and non-enclosed version,
- Depth of just 220 mm,
- Integrated remote control (on the body-mounted model).

Ceiling unit



RPC-1.5-6.0 FSR
RPC-1.5-6.0 FSR2 (air365 only compatible with R32)

- Available from 3.8 to 16 kW,
- Airflow suitable for large rooms,
- 4 fan speeds.
- Connections possible from 3 directions.

Hydro Free



High-temperature
RWHT-5.0VNF1E



Low-temperature
RWLT-3.0~10VN1E

- heat pump R410A compatible with air365 Max (Pro) and Set Free Mini,
- Ideal for providing a thermodynamic DHW solution (High Temperature Module 80°C),
- Ideal for providing a water heating solution to complement direct relaxation comfort (low-temperature module).

Advantages and exclusive features
Improvement in air quality

EXCLUSIVE TO HITACHI

Antivirus filter with ionic technology integrated into all cartridges

The ViroSense S filter contains silver ions that are released in the presence of moisture, binding to the cellular enzymes of microbes and inhibiting the enzymatic activity of the cell wall, membrane, and nucleic acids.



Antivirus filter supplied as standard on all cartridges





ANTI-BACTERIAL ANTI-VIRUS ANTI-MOLD

Inhibition of 99%

The filter's effectiveness against certain viruses has been confirmed with an inhibition rate of up to 99%. Dust connection levels are higher than with standard filters.

More durable

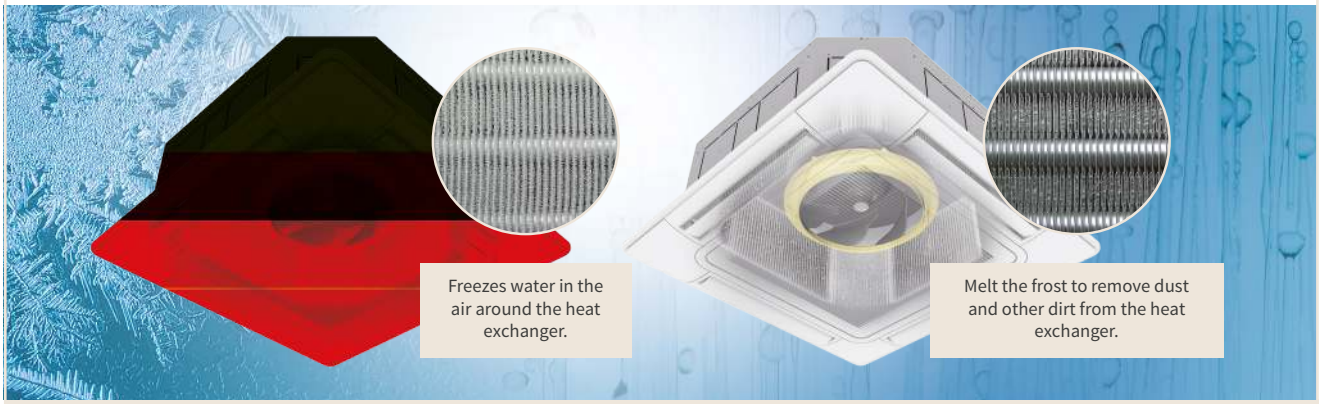
A regularly maintained and cleaned filter can last for up to 5 years.

Conversion of existing units into antivirus units

Once you have replaced your old filter with the antivirus filter, you can easily adapt your cassette to the antivirus version. Keep the same fixation!

FrostWash only compatible with heat pump air365 Max 2 pipe

The FrostWash process consists of three steps: frosting, defrosting, and cleaning the indoor unit's heat exchanger to remove dirt and impurities that have accumulated on the exchanger, thereby improving air quality and maintaining the system's performance over time.



The + points of the Hitachi solution

- Maintains the efficiency of the heat exchanger,
- Improves air quality
- Operation (< 40 mn) : Manual, automatic and programmable,
- Compatible outdoor unit with Smooth Drive Control 2.0 (air365 Max 2 pipe),
- Compatible with new remote control with FrostWash function PC-ARFG2(3)-E(B).

FrostWash compatible units:

- 800 x 800 cassette units: RCI-FSR1(2)
- 600 x 600 cassette units: RCIM-FSR(2)E
- 2-way cassette units: RCD-FSR
- Duct units: RPI(L/H)-FSR1(2)E
- Ceiling unit: RPC-FSR(2)

GentleCool fan blower temperature setting


RCI-FSR1(2)


RCIM-FSR(2)E


RCD-FSR(2)

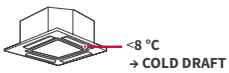

RPK-FSR(2)M

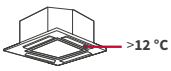

RPC-FSR(2)

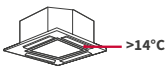
RPI(L/H)-FSR1(2)E

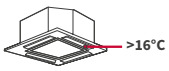

PC-ARFG2(3)-E(B)

Potential for discomfort | **GentleCool** | **No cold drafts** | **Optimum comfort**










GentleCool: STOP


GentleCool: WEAK


GentleCool: MEDIUM


GentleCool: STRONG



Minimum supply air temperature setting on the PC-ARFG2(3)-E(B) wired remote control or on the CSNET supervision system

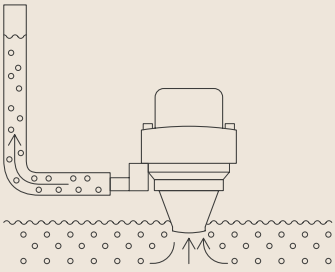
Solutions on the market:

- Feeling of cold experienced by users,
- Ducted units → Condensation issues (poor air quality).

The + points of the Hitachi solution:

- Users do not feel cold,
- Good air quality → No condensation forming in the ducts (ducted units), for improved indoor air quality,
- Available on all Hitachi indoor units, except ducted HP (8-20 hp) and console units.

Self-powered condensate pump (indoor units)



The + points of the Hitachi solution

- If the extraction pump of an indoor unit fails, the other units continue to operate.
- No impact on the entire installation.

Hitachi Multikit connection for improved refrigerant distribution



The + points of the Hitachi solution

- **Maintains energy performance,**
- The shape of the multikit connector promotes refrigerant flow compared to standard T-connectors,
- Easy installation: the main line can be designed in a straight line,
- More space between the main line and the indoor unit line, to facilitate the use of a pipe cutter to cut one of the pipes..

4-way cassette 600 x 600

Reversible system 1.10 – 7 kW (R32/R410A)

R410A REFRIGERANT · R32 REFRIGERANT · SYSTEM FREE · GENTLE COOL · 0.4 hp (horse-power)



SERVICES

Installation time

- The 600 x 600 cassette fits perfectly into suspended ceilings thanks to its compact design (570 x 570 mm recess) and non-protruding front panel.
- In addition, it is equipped as standard with a pump that can lift condensate up to 850 mm.

APPRAISAL

Energy savings

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption.

COMFORT

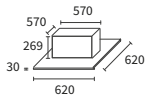
Low noise level

Its 4 fan speeds make the 600 x 600 cassette one of the quietest on the market...

Flush panel



Indoor units



RCIM-0.4FSR(2)E **RCIM-1.5FSR(2)E**
RCIM-0.6FSR(2)E **RCIM-2.0FSR(2)E**
RCIM-0.8FSR(2)E **RCIM-2.5FSR(2)E**
RCIM-1.0FSR(2)E

Model RCIM-(0.4~2.5)FSR2E incorporates an R32 refrigerant leak detection probe (compatible with air365 R32).

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**
Model : **PC-ARFG3-E(B)***

*Model PC-ARFG3-E(B) includes an audible and visual alarm (compatible with air365 R32).



Infrared receiver
Model: **PC-ALHC1 (to be integrated)**
Model: **PC-ALHZ1 (external wall-mounted type)**



Motion sensor
Model: **SOR-NEC**



Infrared controller
Model: **PC-AWR**



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**



Fresh air supply kit (60 m³/h)
Model: **PD-75C**

600 x 600 4-way cassette

Model RCIM-(0.4~2.5)FSR2E incorporates an R32 refrigerant leak detection probe (compatible with air365 R32).

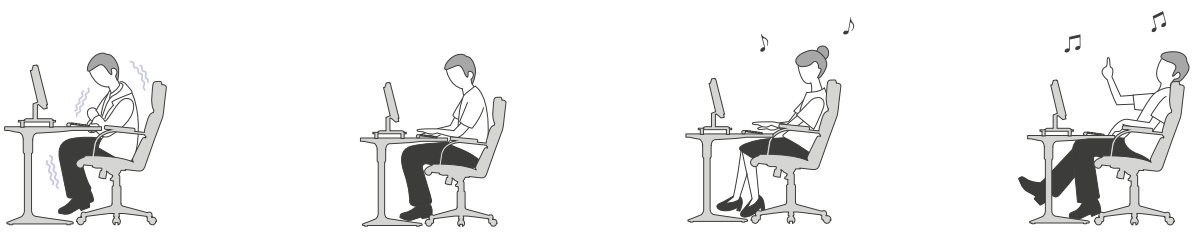
Unités intérieures(**)	Unit	RCIM-0.4FSR(2)E	RCIM-0.4FSR(2)E	RCIM-0.8FSR(2)E	RCIM-1.0FSR(2)E	RCIM-1.5FSR(2)E	RCIM-2.0FSR(2)E	RCIM-2.5FSR(2)E
Power (adjustable)	hp (horse-power)	0.40	0.60	0.80	1.00	1.30 ← 1.50	1.80 ← 2.00	2.30 ← 2.50(*)
Capacity Cooling UTOPIA Prime & IVX	kW	not available		2.00	2.50	3.60	5.00	5.60
Capacity Heating UTOPIA Prime & IVX	kW	not available		2.20	2.80	4.00	5.60	6.30
Capacity Cooling SET FREE	kW	1.10	1.70	2.20	2.80	3.80 ← 4.00	5.20 ← 5.60	6.70 ← 7.10
Capacity Heating SET FREE	kW	1.25	1.90	2.50	3.20	4.20 ← 4.80	5.60 ← 6.30	7.50 ← 8.50
Noise level in Cooling mode (pressure) (low/medium/high speed1/high speed2)[1][3]	dB(A)	24.5/25/27/29	24.5/28/30/34	24.5/29/33/36	24.5/30/34/38	27.5/33/37/41	31/35/39/45	35/39/43/47
Sound power	dB(A)	43	47	50	51	54	56	60
Airflow in Cooling mode (low/medium/high speed1/high speed2)[4]	m^3/h	360/414/468/510	360/450/510/600	360/480/570/660	360/510/600/720	420/570/660/780	480/600/720/900	600/720/840/960
Condensing pump	-	Yes						
Max. elevation	mm	850						
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2						3/8 - 5/8
Condensate outlet diameter (ext.)	mm	32						
Cabinet dimensions (without front panel) (HxLxD)	mm	269 x 570 x 570						
Panel dimensions (HxLxD)	mm	30 x 620 x 620						
Weight of the box + panel	kg	16 + 2.50					17 + 2.50	
Power supply	-	1 ~ 230V 50 Hz						
Indoor unit power cable	-	3G1.5 mm^2						
Bus cable section (EN 60 335-1)[2]	mm^2	2 x 0.75 shielded (in accordance with local regulations)						
Max. current	A	5						
Part number of the panel	-	P AP56NAM → RAL 9002						

[1] Sound pressure is measured under the following conditions: 1.50 m below the unit.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[3] High-speed access is possible with the PC-ARFG2(3)-E(B) and PC-ARC-E remote controls.
[4] Very low speed (VLS) available in Thermo-off mode.
(*) RCIM-2.5FSRE: rated power 7.10 kW can be adjusted to 6.70 kW.
(**) Indoor units with models RCIM-(0.4~2.5)FSR2E include an R32 refrigerant leak detection sensor. Compatible with air365Max(Pro) R32 only.

GentleCool function

GentleCool: No cold drafts when adjusting the airflow temperature



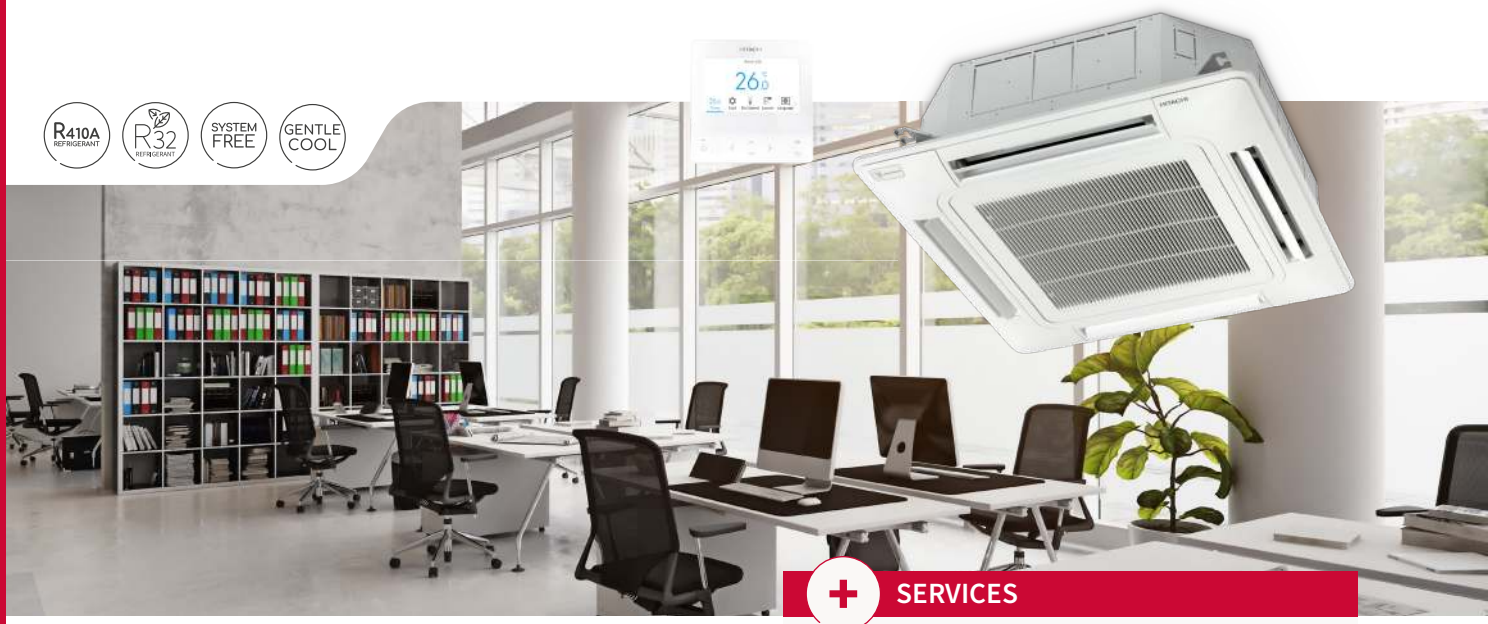


Blocking one or two sections of the front panel:
Possibility of closing one or both shutters on the façade for greater user comfort.

Numerous contacts are available via the PCC 1A connector: Delayed start, fault delay, thermostat control, remote "on/off."

4-way cassette 800 x 800

Reversible system 2.80 – 16 kW (R32/R410A)



SERVICES

Installation time

- The 800 x 800 cassette fits perfectly into suspended ceilings thanks to its low installation height (248 mm) and also into high ceilings.
- Installation possible up to 4.20 m depending on model.
- In addition, it is equipped as standard with a pump that can lift condensate up to 850 mm..

APPRAISAL

Energy savings

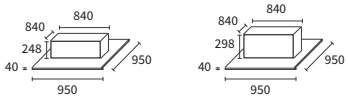
- The SOR-MSK wall-mounted motion sensor (optional) automatically optimizes comfort while limiting energy consumption.
- The P-AP160NAE2 front panel incorporates the standard motion sensor.

SOUND COMFORT

Low noise level

- Up to 27 dB(A)
- With 4 fan speeds, the 800 x 800 cassette is one of the quietest on the market and ensures a high air circulation rate.

Indoor units



RCI-1.0FSR1(2)
RCI-1.5FSR1(2)
RCI-2.0FSR1(2)
RCI-2.5FSR1(2)

RCI-3.0FSR1(2)
RCI-4.0FSR1(2)
RCI-5.0FSR1(2)
RCI-6.0FSR1(2)

Model RCI-(1.0~6.0)FSR2 incorporates an R32 refrigerant leak detection probe (compatible with air365 R32).

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**
Model : **PC-ARFG3-E(B)***

*The PC-ARFG3-E(B) remote control includes an audible and visual alarm for R32 refrigerantmanagement.



Infrared receiver
Model: **PC-ALH3**
(to be integrated into P-N23NA2)
Model: **PC-ALHZ1 (external wall-mounted type)**



Fresh air kit
Model: **PD-75A**



Infrared controller
Model: **PC-AWR**



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**



Motion sensor
Model: **SOR-MSK**

4-way 800 x 800 cassette Model RCI-(1.0~6.0)FSR2 incorporates an R32 refrigerant leak detection probe (compatible with air365 R32).

Indoor units	Unit	RCI-1.0FSR1(2)	RCI-1.5FSR 1(2)	RCI-2.0FSR 1(2)	RCI-2.5FSR 1(2)	RCI-3.0FSR 1(2)	RCI-4.0FSR 1(2)	RCI-5.0FSR 1(2)	RCI-6.0FSR 1(2)
Power (adjustable) (**)	hp (horse-power)	1.00	1.30 ← 1.50	1.80 ← 2.00	2.30 ← 2.50	3.00	4.00	5.00	6.00
Capacity Cooling UTOPIA Prime & IVX	kW	2.50	3.60	5.00	5.60	7.10	11.20	14.00	16.00
Capacity Heating UTOPIA Prime & IVX	kW	2.80	4.00	5.60	6.30	8.00	12.50	16.00	18.00
Capacity Cooling SET FREE	kW	2.80	3.80 ← 4.00	5.20 ← 5.60	6.70 ← 7.10	8.00	11.20	14.00	16.00
Capacity Heating SET FREE	kW	3.20	4.20 ← 4.80	5.60 ← 6.30	7.50 ← 8.50	9.00	12.50	16.00	18.00
Noise level in Cooling mode (pressure) (low/ medium/high speed1/high speed2)(1)(3)	dB(A)	27/28/30/33	27/30/31/35	27/30/32/37	28/32/36/42		33/39/43/48	35/40/45/48	37/41/46/48
Sound power	dB(A)	52	53	55	56	57	64		65
Airflow in Cooling mode (low/medium/high speed1/high speed2) (4)	m^3/h	540/660/780/900	660/840/1020/1260	660/840/1020/1320	840/1080/1380/1620		1200/1440/1860/2220	1260/1560/1980/2220	1320/1680/2100/2220
Condensing pump	-	Yes							
Max. elevation	mm	850							
Diameter of pipes (Liq/Gas)	inches	1/4 - 1/2			3/8 - 5/8				
Condensate outlet diameter (ext.)	mm	32							
Box dimensions (HxLxD)	mm	248 x 840 x 840				298 x 840 x 840			
Panel dimensions (HxLxD)	mm	40 x 950 x 950							
Net weight of the box + panel	kg	20 + 6.50	21 + 6.50		22 + 6.50	26 + 6.50			
Power supply	-	1 ~ 230V 50 Hz							
Indoor unit power cable	-	3G1.5 mm^2							
Bus cable section (EN 60 335-1) (2)	mm^2	2 x 0.75 shielded (in accordance with local regulations)							
Max. current	A	5							
Part number for standard White panel (Black)	-	P-N23NA2 → RAL 9002 (P-AP160KA3-EU → RAL 9005)							
White TwinSense front panel (integrated motion sensor)		P-AP160NAE2							

(1) Sound pressure is measured under the following conditions: 1.50 m below the unit.
(2) Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
(3) High-speed access is possible with the PC-ARFG2(3)-E(B) and PC-ARC-E remote controls.
(4) Very low speed is available in Thermo-off mode.

Silent-Iconic design of front panel

	Natural White		Black
Type of panel	White panel design	White panel design blanc equipped with lifting grid	Black panel design
Part number	P-GP160NAP-EU → RAL 9002	P-GP160NAPU-EU → RAL 9002	P-GP160KAP-EU
Dimensions (HxLxD)	52 x 950 x 950 mm		







Panel lift	d7	01	02	03	04	05	06	07
Descent adjustment from the PC-ARFG2(3)-E(B) wired remote control	Lowers in 7 stages	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	3.5 m	4.0 m

Standard black P-AP160KA3-EU front panel

Standard white P-N23NA2 front panel



ZPT anti-virus filter

Contains zinc ions—in the presence of moisture, it is capable of inhibiting viruses and bacteria. Ideal for new or existing installations.



99.9% inhibition of SARS-CoV-2, viruses, and bacteria

Numerous contacts are available via the PCC 1A connector: Delayed start, fault delay, thermostat control, remote "on/off."

Silent-Iconic panels for cassette 800x800



Design WHITE

Design BLACK



Benefits

A design that fits perfectly into the space

Designed to harmonize with the room – the shutter-like intake flaps are placed centrally and the fan blades are darkened to complete the discrete look.

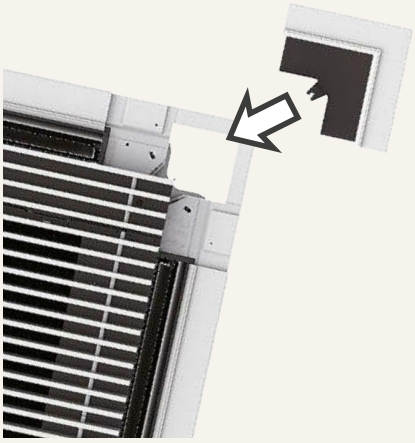


Air extraction grid

Concealed fan blades

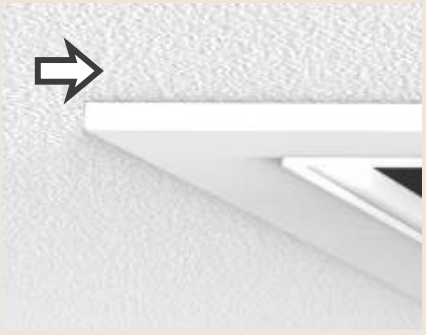
Front panels are easy to install

Sliding edges make installation easier – just add the screws.



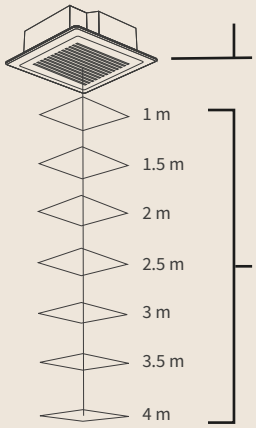
Designed to align with the ceiling surface

The small gap between the panel and the ceiling gives a visual effect of “lightness” and blends in with the ceiling.



Easy-clean filter

The filter is easy to clean thanks to the "design front panel with lift-up grille." The lowering distance can reach 4 m, and the "Silent-Iconic" facade can be installed in rooms with high false ceilings.

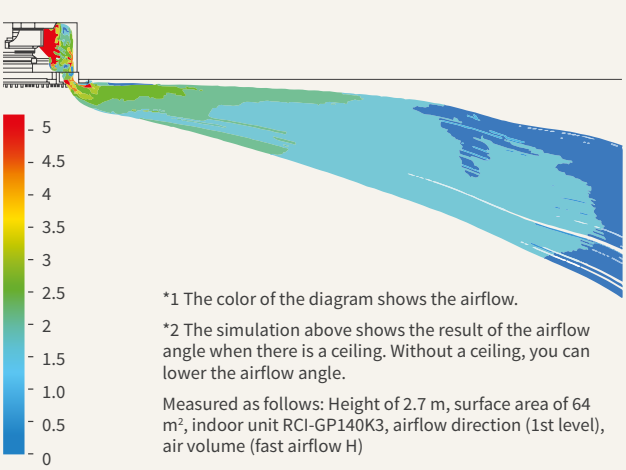


The required ceiling height is the same even if the panel design with lifting grid is installed.

You can set several descent levels for the elevation grid.

Guaranteed ease-of-use

The all-new panel flap design and air outflow shape enhance the Coanda effect, which significantly improves user comfort by avoiding the direct impact of cold air circulation.



*1 The color of the diagram shows the airflow.

*2 The simulation above shows the result of the airflow angle when there is a ceiling. Without a ceiling, you can lower the airflow angle.

Measured as follows: Height of 2.7 m, surface area of 64 m^2, indoor unit RCI-GP140K3, airflow direction (1st level), air volume (fast airflow H)

TwinSense white front panel for 800x800 cassette

Integrated motion and radiation sensor for greater comfort and energy savings.



More intelligent with a detector
4 zones and a radiant detector

Model: P-AP160NAE2



PC-ARFG2(3)-E(B)

Crowd-sense

Detects the change in the number of occupants in a room and anticipates the cooling/heating requirements for a more stable temperature.

Feet-warm/Floorsense cool

Detects the floor temperature and adjusts the airflow and blades to ensure uniform temperature throughout the room.

Direct/indirect airflow

The position of occupants in the room is detected and the cassette blows directly or indirectly on the occupants according to the setting.

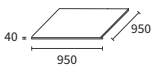
Compatibility

- Compatible with RCI-FSR1(2) cassettes
- PC-ARFG2(3)-E(B) remote control

Compatible with all panels on 4-way 800x800 cassettes

TwinSense panel (integrated motion sensor)	**Standard panel**	**Silent-Iconic**	**Silent-Iconic with elevator screen**	**Silent-Iconic**
White	White/Black	White	White	Black
				
P-AP160NAE2	**P-N23NA2/P-AP160KA3-EU**	**P-GP160NAP-EU**	**P-GP160NAPU-EU**	**P-GP160KAP-EU**

TwinSense panel



P-AP160NAE2

Compatibility of indoor units and outdoor units

			Outdoor units					
			UTOPIA and IVX prime		IVX COMFORT	Heat pump Centrifuge	air365Max(Pro) & Set Free Mini	air365 Max (Pro)
			R32 REFRIGERANT	R410A REFRIGERANT	R410A REFRIGERANT	R410A REFRIGERANT	R410A REFRIGERANT	R32 REFRIGERANT
	Indoor units		RAS-(2-3)HVRC3 RAS-(4-6)H(V)RC2E RAS-(4-6)H(V)RP2E	RAS-(4-6)H(V)NC2E RAS-(4-6)H(V)NP2E	RAS-(8-12)HNC(E)	RASC-(4-10)HNPE	RAS-(8-96)FSXNS2E RAS-(5-54)FSXNP2E RAS-(4-6)FS(V)NME RAS-(8-12)FSXNME	RAS-(8-52)FSRS2E RAS-(5-36)FSRP2E
Cassette 600x600	RCIM-FSRE		●	●	●	●	●	-
	RCIM-FSR2E	Built-in R32 leak detection sensor	-	-	-	-	-	●
Cassette 800x800	RCI-1.0FSR1		●	●	●	●	●	-
	RCI-1.0FSR2	Built-in R32 leak detection sensor	-	-	-	-	-	●
2-way cassette	RCD-FSR		●	●	●	●	●	-
Ceiling unit	RPC-FSR		●	●	●	●	●	-
	RPC-FSR2	Built-in R32 leak detection sensor	-	-	-	-	-	●
Ducted	RPI(L/H)-FSR1E		●	●	●	●	●	-
	RPI(L/H)-FSR2E	Built-in R32 leak detection sensor	-	-	-	-	-	●
Ducted HP	RPI-FSN3(P)E		-	-	●	●	●	-
Wall unit	RPK-FSR(H)M		●	●	●	●	●	-
	RPK-FSR(H)2M	Built-in R32 leak detection sensor	-	-	-	-	-	●
Enclosed console Not enclosed	RPF(I)-FSN2E		-	●	●	●	●	-
DF ventilation	KPI-E4E		●	●	●	●	●	●
DF ventilation DX commercial	KPI-X4E		-	●	●	●	●	-
DX KIT	EXV-E2		-	●	●	●	●	-
Remote Controls								
Advanced Wired	PC-ARFG2-E(B)	NFC	●	●	●	●	●	-
Advanced Wired (built-in R32 safety features)	PC-ARFG3-E(B)	NFC/Built-in Alarms	●	●	●	●	●	●
Simple wired system	PC-ARC-E	NFC	●	●	●	●	●	-
Wireless	PC-AWR	Infrared	●	●	●	●	●	-

2-way cassette

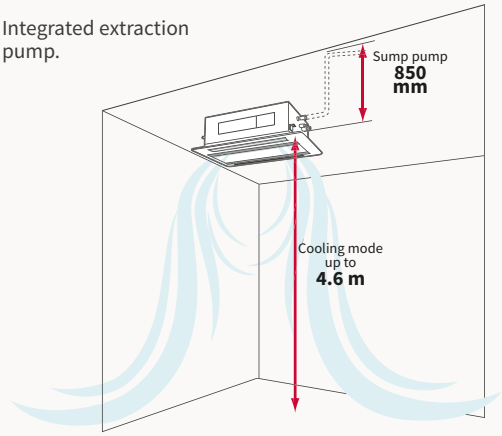
Reversible system 2.20 – 16 kW (R32/R410A)



SERVICES

Installation time

Integrated extraction pump.



APPRAISAL

Energy savings

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally.

COMFORT AND FLEXIBILITY

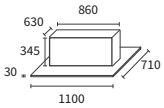
Low noise level

The noise level is very low (up to 27 dB(A)).

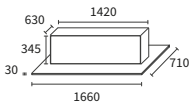
Stand-out solution

Our range of 2-way cassettes, available from 2.2 to 16 kW, is suitable for installations in adjacent rooms. It features the FrostWash function for cleaning the heat exchanger, ensuring better air quality and maintaining performance over time.

Indoor units



RCD-0.8FSR
RCD-1.0FSR
RCD-1.5FSR
RCD-2.0FSR
RCD-2.5FSR
RCD-3.0FSR



RCD-4.0FSR
RCD-5.0FSR
RCD-6.0FSR

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Infrared controller
Model: **PC-AWR**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**



Remote sensor
Model: **THM R2AE**



Infrared receiver
Model: **PC-ALHD1 (to be integrated)**
Model: **PC-ALHZ1 (external)**



Connectors
Model: **PCC 1A**



Motion sensor
Model: **SOR-NED**



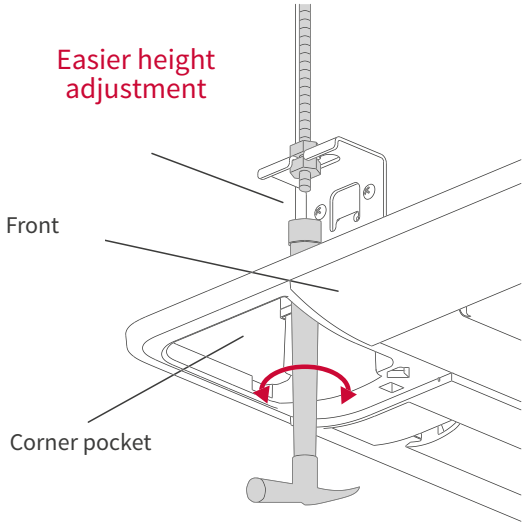
Fresh air kit
Model: **PD-150D**

2-way cassette

Indoor units	Unit	RCD-0.8FSR	RCD-1.0FSR	RCD-1.5FSR	RCD-2.0FSR	RCD-2.5FSR	RCD-3.0FSR	RCD-4.0FSR	RCD-5.0FSR	RCD-6.0FSR
Power (adjustable)	hp (horsepower)	0.80	1.00	1.30 ← 1.50	1.80 ← 2.00	2.30 ← 2.50	3.00	4.00	5.00	6.00
Capacity Cooling UTOPIA Prime & IVX	kW	2.00	2.50	3.60	5.00	5.60	7.10	10.00	12.50	14.00
Capacity Heating UTOPIA Prime & IVX	kW	2.20	2.80	4.00	5.60	6.30	8.00	11.20	14.00	16.00
Capacity Cooling SET FREE	kW	2.20	2.80	3.80 ← 4.00	5.20 ← 5.60	6.70 ← 7.10	8.00	11.20	14.00	16.00
Capacity Heating SET FREE	kW	2.50	3.20	4.20 ← 4.80	5.60 ← 6.30	7.50 ← 8.50	9.00	12.50	16.00	18.00
Noise level in Cooling mode (pressure) (low/ medium/high speed1/high speed2)[1][3]	dB(A)	27/28/29/30	27/28/29/31	30/31/34/37	30/33/36/39	33/36/39/42	33/38/42/45	34/37/40/43	35/41/44/47	39/42/45/48
Sound power	dB(A)	44	46	49	51	52	55	55	55	59
Airflow in Cooling mode (low/medium/high speed1/high speed2) [4]	m^3/h	390/450/540/600	420/510/570/660	600/690/780/900	630/750/870/990	750/870/990/1110	750/960/1110/1260	1200/1380/1590/1800	1260/1620/1860/2100	1440/1710/1950/2220
Condensing pump	-	yes								
Max. elevation	mm	850								
Diameter of cooling pipes (Liq/Gas)	inches	1/4 - 1/2				3/8 - 5/8				
Condensate outlet diameter (ext.)	mm	32								
Box dimensions (HxLxD)	mm	345 x 860 x 630						345 x 1420 x 630		
Panel dimensions (HxLxD)	mm	30 x 1100 x 710						30 x 1660 x 710		
Weight of the box + panel	kg	23 + 7.50		25 + 7.50				39 +10.50		
Power supply	-	1~ 230V 50 Hz								
Indoor unit power cable	-	3G1.5 mm^2								
Bus cable section (EN 60 335-1)[2]	mm^2	2 x 0.75 shielded (LIYCY)								
Max. current	A	5								
Part number of the panel	-	P-AP90DNA						P-AP160DNA		

(1) Sound levels (pressure) are measured in an anechoic chamber at 1.50 m under the unit.
(2) Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility.
(3) Ultra-high-speed access is possible with the PC-ARFG2-E(B) remote controls.
(4) Very low speed is available in Thermo-off mode.

Easy to install



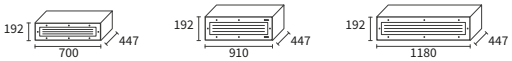
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Ducted unit 30, 50 Pa

Heat pump only compatible with air365 Max(Pro) R410A
Reversible system 2.20 – 7 kW (R410A)



Indoor units compatible with the air365 Max heat pump system (R410A only)



RPIZ-0.8
RPIZ-1.0
RPIZ-1.3

RPIZ-1.5

RPIZ-2.0
RPIZ-2.3
RPIZ-2.5

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**



Infrared receiver
Model: **PC-ALHZ1 (external)**



Kit AQtiv-Ion
Model: **JK-LZAQ**



Infrared controller
Model: **PC-AWR**



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**

SERVICES

Flexible installation

- The ducted unit has a low profile (192 mm) to fit into tight suspended ceilings.
- Standard extraction pump (900 mm), facilitates installation.

APPRAISAL

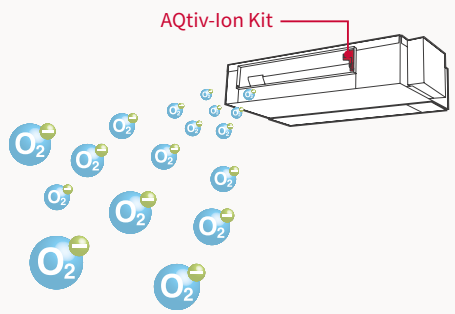
Energy savings

With 6 fan speed settings, you can save energy by adjusting the fan speed to suit your needs.

AIR QUALITY

Aqtiv-Ion optional (on request)

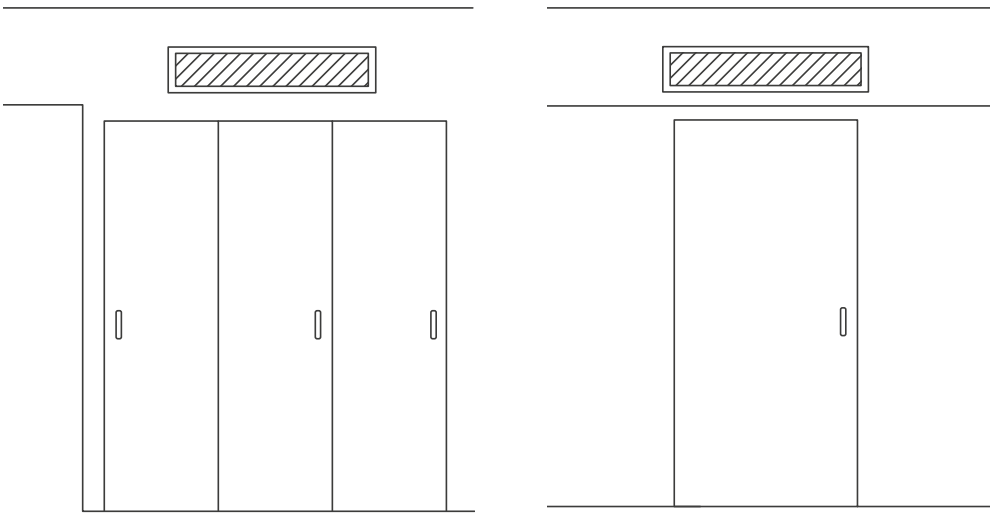
The AQtiv-Ion kit generates negative ions, which, when released into the air, combine with the oxygen (O2) naturally present in the air. The oxygen molecules then trap the impurities, certain viruses, and bacteria, and deactivate them.



Low-pressure ducted system 30/50 Pa (compatible with heat pump air365 Max (Pro) using R410A only)

Indoor units	Unit	RPIZ-0.8HNDTS1Q	RPIZ-1.0HNDTS1Q	RPIZ-1.3HNDTS1Q	RPIZ-1.5HNDTS1Q	RPIZ-1.8HNDTS1Q	RPIZ-2.0HNDTS1Q	RPIZ-2.3HNDTS1Q	RPIZ-2.5HNDTS1Q
Power (adjustable)	hp (horse-power)	0.80	1.00	1.30	1.50	1.80	2.00	2.30	2.50
Nominal Cooling capacity air365 Max	kW	2.20	2.80	3.60	4.00	5.00	5.60	6.30	7.10
Nominal Haeting capacity air365 Max	kW	2.50	3.20	4.00	4.50	4.60	6.30	7.10	8.00
Nominal power consumption	kW	0.04			0.03	0.06			
Noise Level in Cold Conditions (pressure)	dB(A)	24 / 25 / 27 / 29 / 30 / 32	22.5 / 23.5 / 25 / 28 / 31 / 33		20 / 22 / 25 / 28/30/31	36 / 33.5 / 31 / 28 / 24.5 / 22.5		25 / 28 / 30 / 33 / 36 / 37	
Sound power	dB(A)	-							
Airflow in Cooling Mode (6 levels)	m^3/h	270 / 288 / 318 / 342 / 378 / 420	300 / 330 / 360 / 420 / 480 / 510		360 / 390 / 450 / 480 / 540 / 600	480 / 552 / 630 / 708 / 792 / 870		540 / 600 / 720 / 780 / 900 / 990	
Static pressure (min–max)[1]	Pa	10 (0-10-30)				10 (0-10-50)			
Filter	-	included							
Condensing pump	-	YES (standard)							
Max. elevation	mm	900							
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2				1/4 - 5/8		3/8 - 5/8	
Condensate pipe diameter (out)	mm	32							
Dimensions (HxLxD)	mm	192 × 700 × 447			192 × 910 × 447	192 × 1180 × 447			
Weight	kg	17			20	24			
Power supply	-	1~ 230V 50 Hz							
Indoor unit power cable	mm^2	3G1. 5							
Bus cable section (EN 60 335-1)[2]	mm^2	2 x 0.75 shielded (in accordance with local regulations)							
Max. intensity	A	5							
Refrigerant	-	R410A							

[1] The external pressure data indicates the "standard pressure setpoints when a filter is not used."
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility.



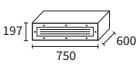
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Ducted unit 100, 150 and 200 Pa

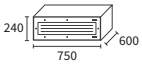
Reversible system 1.10 – 16 kW (R32/R410A)



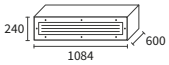
Indoor units



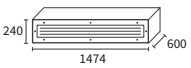
RPIL-0.4FSR1(2)E
RPIL-0.6FSR1(2)E
RPIL-0.8FSR1(2)E
RPIL-1.0FSR1(2)E
RPIL-1.5FSR1(2)E



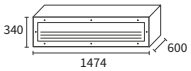
RPI-1.5FSR1(2)E
RPI-2.0FSR1(2)E



RPI-2.5FSR1(2)E
RPI-3.0FSR1(2)E



RPI-4.0FSR1(2)E
RPI-5.0FSR1(2)E
RPI-6.0FSR1(2)E



RPIH-4.0FSR1(2)E
RPIH-5.0FSR1(2)E
RPIH-6.0FSR1(2)E

The RPI(L/H)-(0.4~6.0)FSR2E model includes an R32 refrigerant leak detection sensor (compatible with air365 R32).

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**
Model : **PC-ARFG3-E(B)***

*Model PC-ARFG3-E(B) includes an audible and visual alarm (compatible with air365 R32).



Infrared receiver
Model: **PC-ALHZ1 (external)**



Ducted motion sensors in all sizes
Model: **SOR-MSK**



Gravitational condensation unit connection kit
Model: **D-DGK15R**

Only compatible with RPIL-(0.4-1.5) FSRE



Infrared controller
Model: **PC-AWR**



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**



Kit extracts from below
Model: **D-ICA15R → RPIL (100 Pa)**
D-ICA20R → RPI 1.5 to 2.0 hp (150 Pa)
D-ICA30R → RPI 2.5 to 3.0 hp (150 Pa)
D-ICA60R → RPI 4.0 to 6.0 hp (150 Pa)

SERVICES

Flexible installation

- The condensate lift height can be up to 850 mm.
- Filter accessible from below or from the side (0.4 to 6 hp).
- 10% fresh air supply permitted.

APPRAISAL

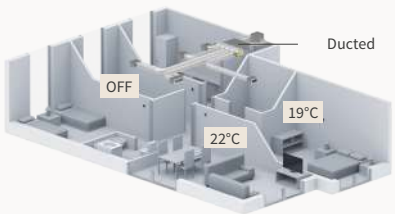
Energy savings

The motion sensor (optional) automatically optimizes comfort while limiting energy consumption in spaces that are occupied only occasionally.

COMFORT

Compatible with Airzone solution

Thanks to its partnership with Airzone, Hitachi is able to offer you precision step-by-step temperature control.



The RPI(L/H)-(1.0~6.0)FSR2E model includes an R32 refrigerant leak detection sensor (compatible with air365 R32).

Slim ducted unit, height 197 mm (up to 100 Pa available pressure)

Indoor units	Unit	RPIL-0.4FSR1(2)E	RPIL-0.6FSR1(2)E	RPIL-0.8FSR1(2)E	RPIL-1.0FSR1(2)E	RPIL-1.5FSR1(2)E
Power (adjustable)	hp (horse-power)	0.40	0.60	0.80	1.00	1.50
Capacity Cooling UTOPIA Prime & IVX	kW	not available	not available	2.00	2.50	3.60
Capacity Heating UTOPIA Prime & IVX	kW	not available	not available	2.20	2.80	4.00
Capacity Cooling SET FREE	kW	1.10	1.70	2.20	2.80	3.80 ← 4.00
Capacity Heating SET FREE	kW	1.30	1.90	2.50	3.20	4.20 ← 4.80
Absorbed capacity (low speed)	kW	0.02	0.02	0.02	0.03	0.03
Sound pressure in Cooling mode (low/medium/high speed)[1][3] (SP02)[4]	dB(A)	22/23/24	23/25/27	23/25/28		25/28/30
Sound pressure (high speed) (SP02)[4]	dB(A)	48	51	52		53
Min. airflow in Cooling mode (low/medium/high speed) (SP02)[4]	m^3/h	300/330/360	330/390/438	342/390/462		390/474/528
Rated static pressure (min-max)	Pa	15 (0~100)		25 (0~100)		
Condensing pump	-	yes (can be removed to use as a gravity-fed unit)				
Max. elevation	mm	850				
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2				
Condensate pipe diameter (out)	mm	32				
Dimensions (HxLxD)	mm	197 x 750 x 600				
Weight	kg	23				
Power supply	-	1~ 230V 50 Hz				
Indoor unit power cable	-	3G1.5 mm^2				
Bus cable section (EN 60 335-1)[2]	mm^2	2x0.75 shielded (in accordance with local regulations)				
Max. current	A	5				

Compact ducted unit (up to 150 Pa available pressure)

Indoor units	Unit	RPI-1.5FSR1(2)E	RPI-2.0FSR1(2)E	RPI-2.5FSR1(2)E	RPI-3.0FSR1(2)E	RPI-4.0FSR1(2)E	RPI-5.0FSR1(2)E	RPI-6.0FSR1(2)E
Power (adjustable)	hp (horse-power)	1.50	2.00	2.50	3.00	4.00	5.00	6.00
Capacity Cooling UTOPIA Prime & IVX	kW	3.60	5.00	5.60	7.10	10.00	12.50	14.00
Capacity Heating UTOPIA Prime & IVX	kW	4.00	5.60	6.30	8.00	11.20	14.00	16.00
Capacity Cooling SET FREE	kW	4.00	5.60	7.10	8.00	11.20	14.00	16.00
Capacity Heating SET FREE	kW	4.80	6.30	8.50	9.00	12.50	16.00	18.00
Sound level in Cooling mode (pressure) (low/medium/high speed)[1][3]	dB(A)	29 / 30 / 32 (SP02)[4]		30 / 32 / 34 (SP02)[4]	31 / 33 / 35 (SP02)[4]	35 / 38 / 39 (SP00)[4]	36 / 38 / 40 (SP00)[4]	
Sound power	dB(A)	55 (SP02)[4]	58 (SP02)[4]	57 (SP02)[4]	59 (SP02)[4]	62 (SP00)[4]	64 (SP00)[4]	
Airflow in Cooling mode (low/medium/high speed)	m^3/h	600/690/840 (SP02)[4]	630/720/840 (SP02)[4]	900/1020/1200 (SP02)[4]	960/1140/1290 (SP02)[4]	1680/2070/2160 (SP00)[4]	1920/2100/2220 (SP00)[4]	1920/2130/2250 (SP00)[4]
Rated static pressure (min-max)	Pa	25 (0~150)		30 (0-150)		37 (0~150)	50 (0~150)	
Condensing pump	-	yes						
Max. elevation	mm	850						
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2	1/4 - 5/8	3/8 - 5/8				
Condensate pipe diameter (out)	mm	32						
Dimensions (HxLxD)	mm	240 x 750 x 600		240 x 1084 x 600		240 x 1474 x 600		
Weight	kg	26		32		42		
Power supply	-	1~ 230V 50 Hz						
Indoor unit power cable	-	3G1.5 mm^2						
Bus cable section (EN 60 335-1)[2]	mm^2	2 x 0.75 shielded (in accordance with local regulations)						
Max. current	A	5						

High pressure ducted unit (up to 200 Pa available pressure)

Indoor units	Unit	RPIH-4.0FSR1(2)E	RPIH-5.0FSR1(2)E	RPIH-6.0FSR1(2)E
Power (adjustable)	hp (horse-power)	4.00	5.00	6.00
Capacity Cooling UTOPIA Prime & IVX	kW	10.00	12.50	14.00
Capacity Heating UTOPIA Prime & IVX	kW	11.20	14.00	16.00
Capacity Cooling SET FREE	kW	11.20	14.00	16.00
Capacity Heating SET FREE	kW	12.50	16.00	18.00
Sound level in Cooling mode (pressure) (low/medium/high speed)[1][3] (SP00)[4]	dB(A)	35/38/39	36/38/40	
Sound pressure (SP00)[4]	dB(A)	62	64	
Airflow Rate in Cooling Mode (ow/medium/high speed) (SP00)[4]	m^3/h	2100/2280/2340	2160/2280/2400	
Rated static pressure (min-max)	Pa	155 (0~200)		
Condensing pump	-	yes		
Max. elevation	mm	850		
Diameter of pipes (Liq - Gas)	inches	3/8 - 5/8		
Condensate pipe diameter (out)	mm	32		
Dimensions (HxLxD)	mm	340 x 1474 x 600		
Weight	kg	44		
Power supply	-	1~ 230V 50 Hz		
Indoor unit power cable	-	3G1.5 mm^2		
Bus cable section (EN 60 335-1)[2]	mm^2	2 x 0.75 shielded (in accordance with local regulations)		
Max. current	A	5		

[1] Sound levels (pressure) are measured in an anechoic chamber at 1.50 m under the unit (without a ceiling under the unit), with an extraction duct at 1 m and discharge duct at 2 m.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility.
[3] High-speed access is possible with the PC-ARFG2(3)-E(B) and PC-ARC-E remote controls.
[4] SP: external static pressure (defined with the optional function "C5" on the remote control: 00: standard, 01: external static high-pressure, 02: external static low-pressure).

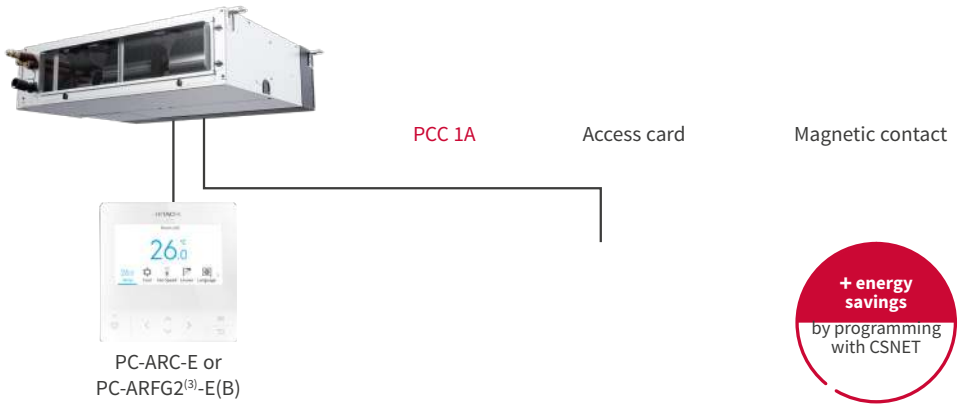
Standard and factory-made insulation materials on all RPI(L/H) FSR1E ducted models

The non-flammable insulating material is certificated with a grade of Flammability Class “B s3 d1” (based on European standard EN 13501-1+1: 2009).

Magnetic contacts as standard on all Hitachi IU for energy savings

Several actions can be programmed via the contact on the access card or the window opener using the PC-ARFG2(3)-E(B) wired remote control or the CSNET controller (PCC 1A connector required):

- ON/OFF,
- Temperature setting (normal or reduced mode).

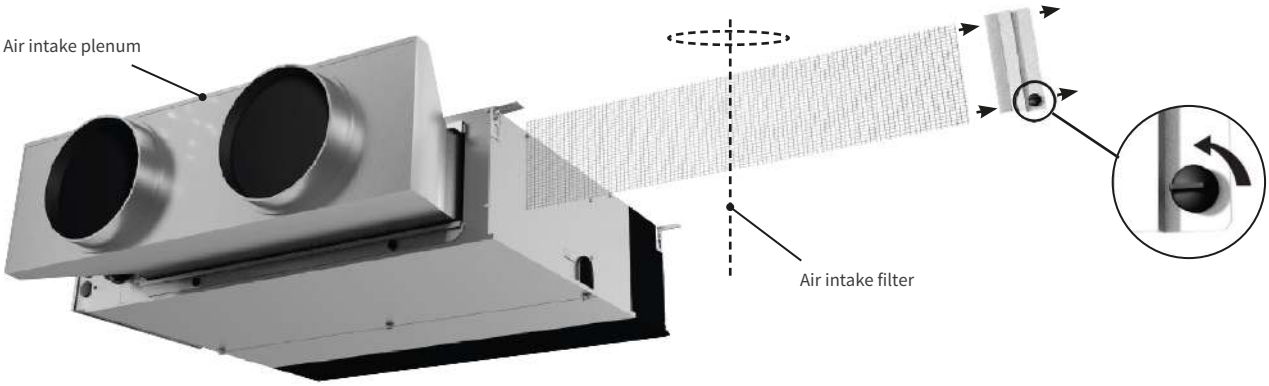


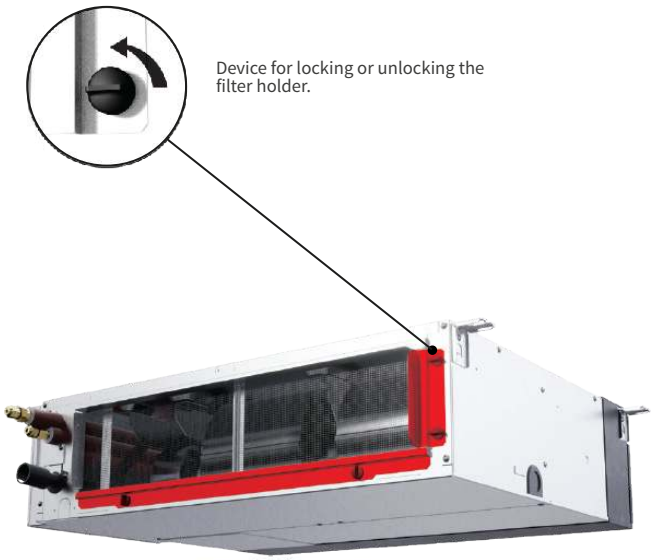
- PC-ARFG2(3)-E(B) compatible motion sensor for greater energy savings: SOR-MSK

Hitachi Plenums

The non-flammable insulating material is certificated with a grade of Flammability Class “B s3 d1” (based on European standard EN 13501-1+1: 2009).

Plenum design includes filter holder for removing the filter without dismantling the plenum to facilitate maintenance.





Two versions are available for air intake plenums:

1- Access to the filter without removing the door plenum Hitachi filter

Filter access without removing the plenum is only possible with the adapted Hitachi plenum. The rail-mounted filter means standard filter holder screens are not required - still on the same model - and a choice of intake screen is therefore available.

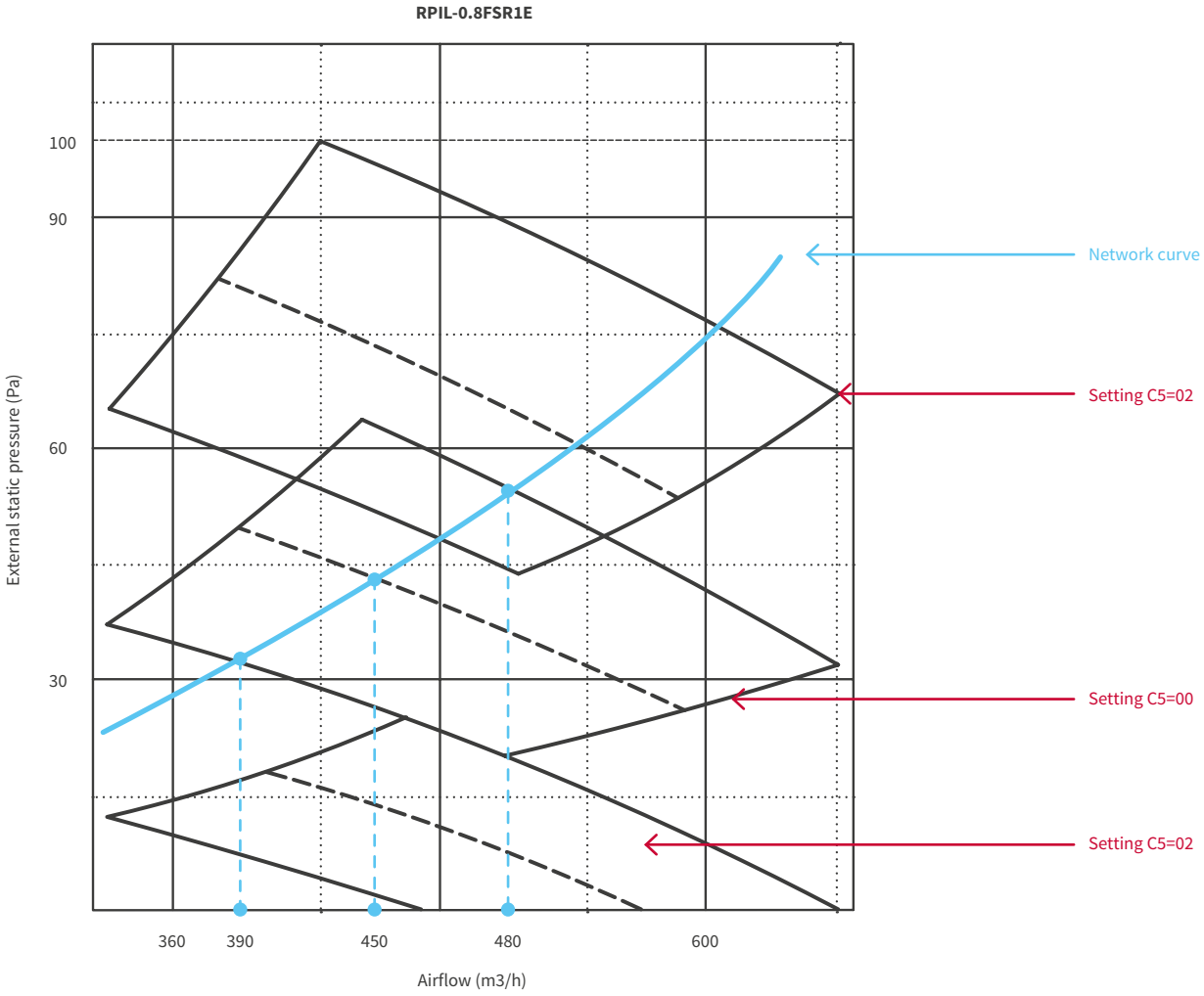
Plenum **with filter holder** for **major reductions in maintenance costs.**

2- Plenum with no access to the filter

Compatibility	Type of plenum	Number of outlets / diameter (mm)	Part number	Description
RPIL-0.4~1.5FSR1E	**Output**	2 x Ø 200	PO-750x197	INSULATED PLENUM (SUPPLY)
	Input	2 x Ø 200	PI-750x197	INSULATED PLENUM EXHAUST
	Entry with filter access	2 x Ø 200	PIFA-750x197	INSULATED PLENUM EXHAUST (filter access)
RPI-1.5/2.0FSR1E	**Output**	3 x Ø 200	PO-750x240	INSULATED PLENUM (SUPPLY)
	Input	3 x Ø 200	PI-750x240	INSULATED PLENUM EXHAUST
	Entry with filter access	3 x Ø 200	PIFA-750x240	INSULATED PLENUM EXHAUST (filter access)
RPI-2.5/3.0FSR1E	**Output**	5 x Ø 200	PO-1084x240	INSULATED PLENUM (SUPPLY)
	Input	3 x Ø 200	PI-1084x240	INSULATED PLENUM EXHAUST
	Entry with filter access	3 x Ø 200	PIFA-1084x240	INSULATED PLENUM EXHAUST (filter access)
RPI-4.0-6.0FSR1E	**Output**	5 x Ø 200	PO-1474x240	INSULATED PLENUM (SUPPLY)
	Input	4 x Ø 200	PI-1474x240	INSULATED PLENUM EXHAUST
	Entry with filter access	4 x Ø 200	PIFA-1474x240	INSULATED PLENUM EXHAUST (filter access)

Easy adjustment of static pressure using the PC-ARFG2(3)-E(B) wired remote control

3 static pressure levels to meet the different requirements of ducted networks.





Use the optional **C5** function to select the static pressure range:

- C5 = 00 (default) for standard static pressure,
- C5 = 01 for high static pressure,
- C5 = 02 for low static pressure.

GOOD TO KNOW

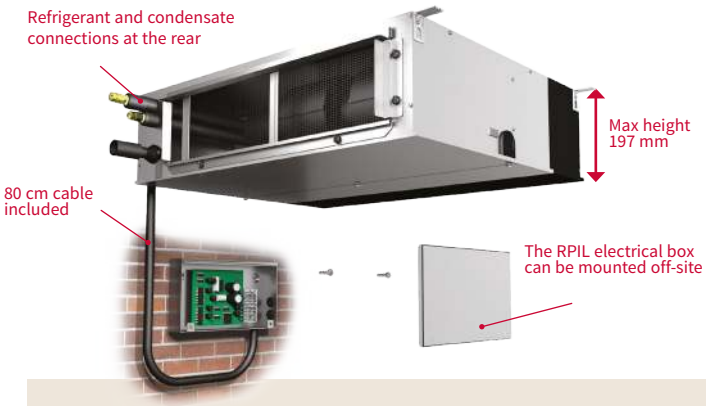
All settings via the remote control or the CSNET monitoring system (pressure, automatic restart, resume/control mode, ventilation shutdown at the setpoint).

Perfect application for the hotel sector

All connections are located at the rear to facilitate installation in tight spaces

EXCLUSIVE TO HITACHI

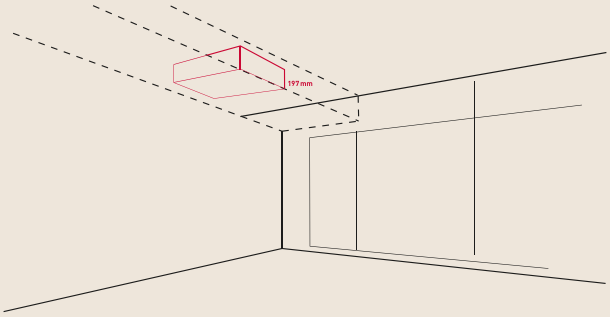
Ducted: RPIL-FSR1(2)E



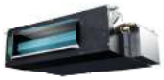


Advantages

- Saves installation time in hotels where the main pipe is located in the hallway (no need for an elbow),
- Easier installation of refrigerant lines with the unit already in place,
- Can be installed in an 800 mm wide airlock (in this case, the filter must be removed from the bottom),
- Rear condensate connection: fewer connections and less risk of leaks,
- Easy leak testing,
- Easy access to the circuit board for maintenance,
- Settings via the remote control (no need to open the ceiling to access the unit's circuit board),
- The electrical enclosure for the RPILs can be mounted remotely, allowing them to be placed in the entryways of hotel rooms while still providing access to the indoor unit panel. 80 cm cable supplied.



Summary

		 RPIL-FSR1(2)E	 RPIL-FSR1(2)E			 RPIH-FSR1(2)E
	Static pressure	0 - 100 Pa		150 Pa		200 Pa
	Power	0.4 - 1.5 hp	1.5/2 hp	2.5/3 hp	4/5/6 hp	4/5/6 hp
	Height	197 mm		240 mm		340 mm
	Width	750 mm	750 mm	1084 mm	1474 mm	1474 mm
	Electric box (remote)	• 80 cm cable	-	-	-	-
	Refrigerant connections to the rear	•	-	-	-	-
	Condensate pump	• (can be disconnected)	•	•	•	•
	Rear/below air inlet (option)	•	•	•	•	-
	Filter access (below/ side)	•	•	•	•	•
	Magnetic contacts/ Access card	•	•	•	•	•
	R32/R410A compatible	•	•	•	•	•

Plenum Airzone with an ionizer that improves indoor air quality

Compatible with RPI(L/H)-FSR1E ducted units

Please contact us for projects involving air365 R32 heat pump systems.

Air ionization is an air purification technique that generates large quantities of negative ions. These negative ions come into contact with pollutants, dust, and fine particles in indoor air, neutralizing them, polarizing them, and charging them negatively. The particles are then drawn toward the floor and walls, and thus removed from the air.

The Airzone systems can operate without HITACHI remote controls. However, remote controls should be kept on the site: 1 per outdoor unit or per office plateau, or per floor of a building. This is because the remote control is still required for certain start up or repair operations (setting optional functions, although this can be done using maintenance software).



AIRZONE models are available from an AIRZONE distributor.

		Blower plenum	2 air outlets	3 air outlets	4 air outlets	5 air outlets	6 air outlets	Air extraction plenum
RPIL-FSR1E	1.0-1.5 (750 x 197 mm)	Slim	-	AZEZ8HITSL08L3	AZEZ8HITSL08L4	AZEZ8HITSL08L5	-	AZCEZHIPR08XS
		Medium	AZEZ8HITBS08XS2	AZEZ8HITBS08XS3	-	-	-	
RPI-FSR1E	1.5-2.0 (750 x 240 mm)	Standard	AZEZ8HITST08S2	AZEZ8HITST08S3	AZEZ8HITST08S4	-	-	AZCEZHIPR08S
		Medium	AZEZ8HITBS08S2	AZEZ8HITBS08S3	AZEZ8HITBS08S4	-	-	
	2.5-3.0 (1084 x 240 mm)	Standard	-	AZEZ8HITST08M 3	AZEZ8HITST08M4	AZEZ8HITST08M5	AZEZ8HITST08M6	AZCEZHIPR08M
		Medium	-	AZEZ8HITBS08M 3	AZEZ8HITBS08M4	AZEZ8HITBS08M5	AZEZ8HITBS08M6	
	4.0-5.0-6.0 (1474 x 240 mm)	Standard	-	-	-	AZEZ8HITST08L5	AZEZ8HITST08L6	AZCEZHIPR08L
		Medium	-	-	-	AZEZ8HITBS08L5	AZEZ8HITBS08L6	
RPIH-FSR1E	4.0-5.0-6.0 (1474 x 340 mm)	Standard (*510 mm height, registers on two rows)	-	-	-	-	AZEZ8HITST08XL6	AZCEZHIPR08XL
		Medium	-	-	-	-	-	

Range of controls

AIRZONE



Part number	Type	Color	Technology	Functions
AZCE6BLUEZEROCB	Blueface Zero thermostat	White	Hard wired	Main thermostat: • Touchscreen • T°, mode, ventilation speed • Display of ambient temperature and relative humidity • Eco-adapt
AZCE6BLUEZEROCN		Black		
AZC6LITECB	Thermostat Lite	White	Hard wired	Secondary thermostat: • Quick access to essential functions • 1 color for each mode • M/A of the zone • T° (+3/-3°C)
AZCE6LITERB			Radio	
AZCE6LITECN		Black	Hard wired	
AZCE6LITERN			Radio	
AZCE6THINKRB	Thermostat Think	White	Radio	Low-power electronic ink thermostat: • T°, mode, ventilation speed • Display of ambient temperature and relative humidity
AZCE6THINKRN		Black		

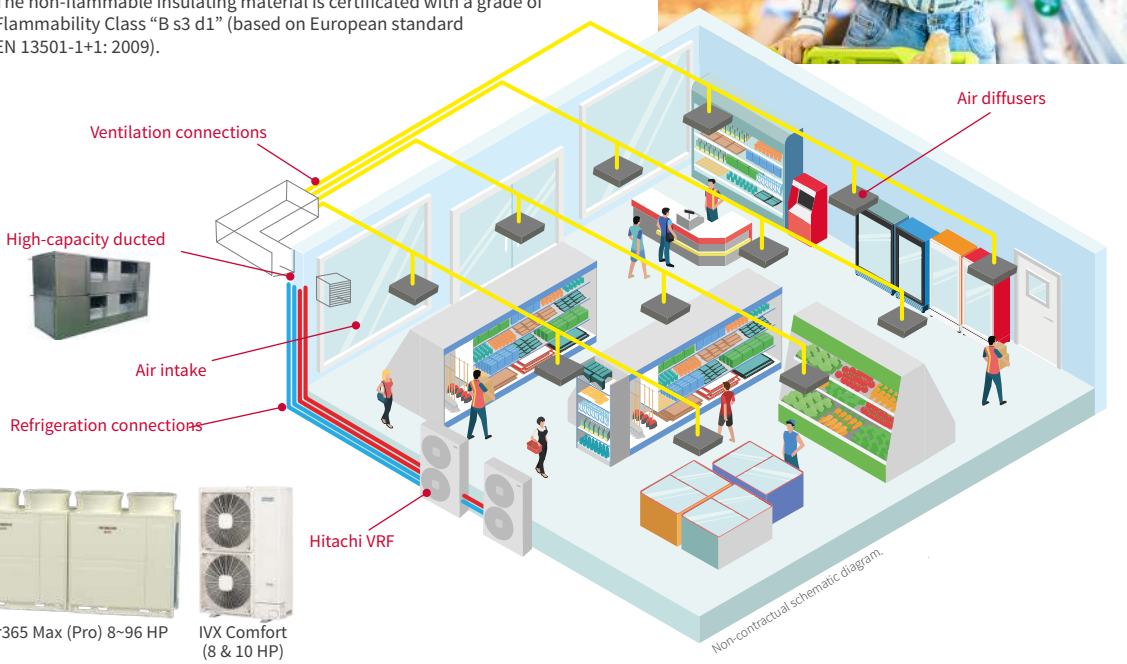
High capacity ducted 8-20hp (220 Pa)

EXCLUSIVE TO HITACHI

Why choose the Hitachi high-capacity ducted solution?

- The ideal solution for large-scale applications with high volumes,
- Cost-effective solution vs. installation with a CTA or rooftop unit,
- Better air quality: 10% more fresh air.
- Safety and reliability: Redundant setup with two independent units,
- Suitable for large installations: compatible with OU twin VRF,
- Speed control upon startup, remote control or medium startup / remote control,
- Control is available via two remote sensors for 16- and 20-hp models (two-point measurement within the same volume, a unique solution that ensures greater temperature uniformity),
- The non-flammable insulating material is certificated with a grade of Flammability Class “B s3 d1” (based on European standard EN 13501-1+1: 2009).

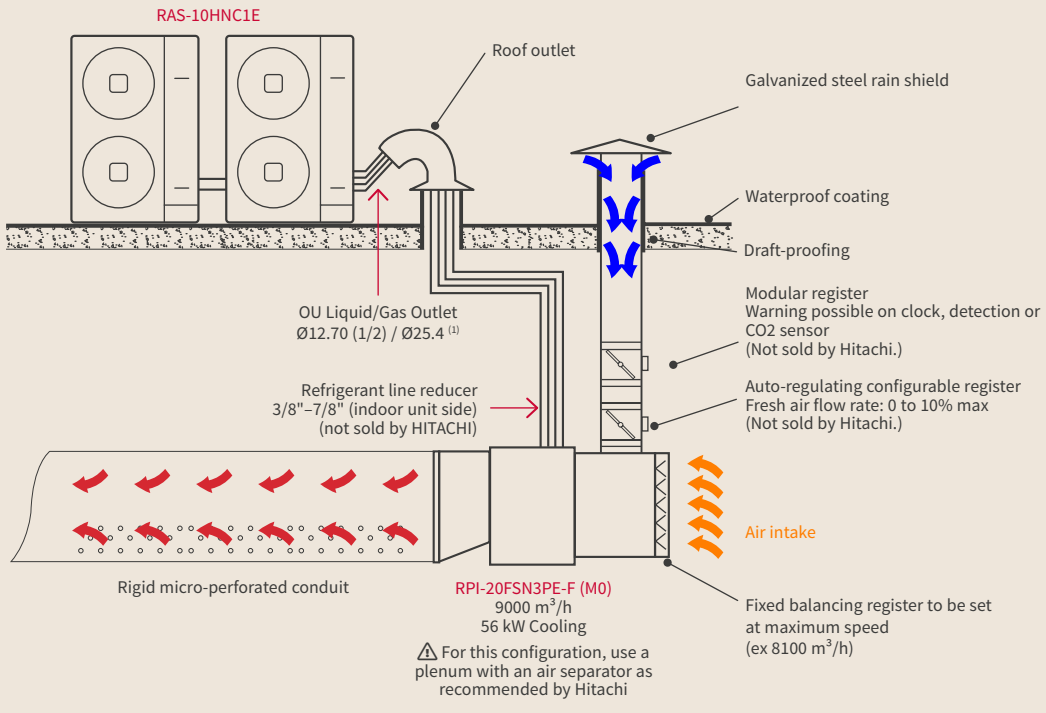




air365 Max (Pro) 8~96 HP

IVX Comfort (8 & 10 HP)

Example of redundant installation (Ducted 16 and 20hp)



Non-contractual schematic diagram.

High-capacity ducted unit, 220 Pa

Reversible system 22 – 56 kW (R410A)



SERVICES

- The non-flammable insulating material is certificated with a grade of Flammability Class "B s3 d1" (based on European standard EN 13501-1+1: 2009).

ECONOMICAL AND ECO-FRIENDLY

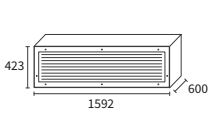
- Alternative to Rooftop or CTA: Lightweight, easy to install.
- Ultimate control, low-cost implementation,
- Ecological: Replacement of gas-fired air heaters, radiant heaters, and radiant panels.
- Wide range of power and airflow (up to 9,000 m)³/h).
- Option to provide fresh air (up to 10% of the total supply airflow).

APPLICATION

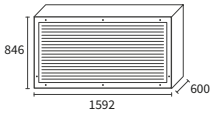
Perfect solutions for high-volume buildings

- Supermarkets and large retail stores,
- Warehouses,
- Gyms,
- Industrial buildings.

Indoor units



RPI-8.0FSN3E(-f)
RPI-10.0FSN3E(-f)



RPI-16.0FSN3PE(-f)
RPI-20.0FSN3 PE(-f)

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Infrared controller
Model: **PC-AWR**

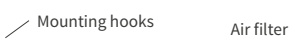


Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**



Infrared receiver
Model: **PC-ALHZ1 (external)**

Model 16 to 20 hp



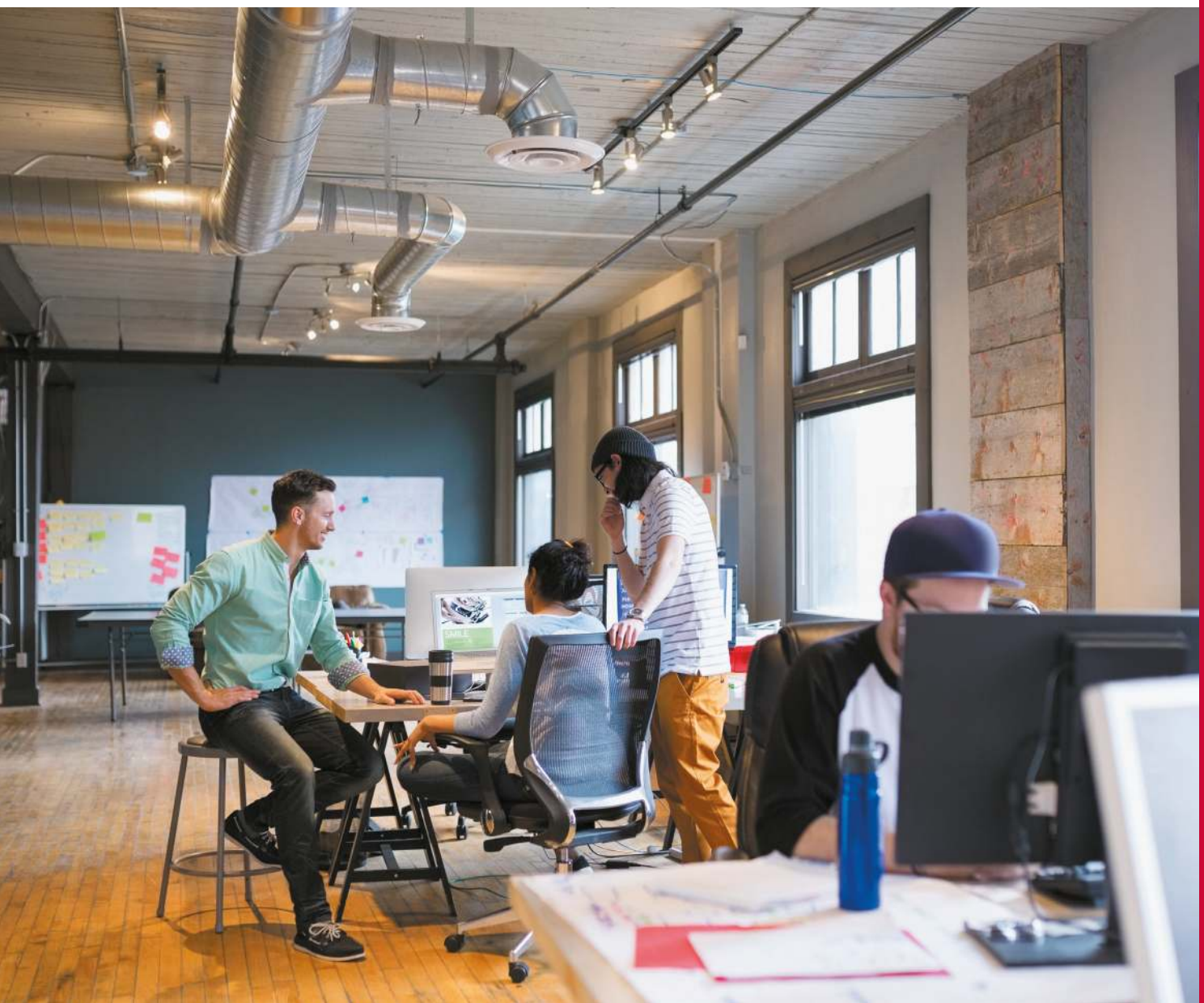
Fan maintenance side access

Filter divided into 3 parts (Maintenance access on both sides)

High-Capacity Ducted Unit, 10–20 hp (up to 220 Pa of available pressure) (16 hp and 20 hp models: Unique on the market)

Indoor units	Unit	High-pressure		High-power	
		RPI-8.0FSN3E(-F)*	RPI-10.0FSN3E(-F)*	RPI-16.0FSN3PE(-F)*	RPI-20.0FSN3PE(-F)*
Power (adjustable)	hp (horsepower)	8.00	10.00	16.00	20.00
Capacity Cooling Micro VRF IVX COMFORT	kW	20.00	25.00	40.00	50.00
Capacity Heating Micro VRF IVX COMFORT	kW	22.40	28.00	44.80	56.00
Capacity Cooling SET FREE	kW	22.40	28.00	45.00	56.00
Capacity Heating SET FREE	kW	25.00	31.00	50.00	63.00
Sound level in Cooling mode (pressure) (low/medium/high speed) [1][3]	dB(A)	51/54/54	52/55/55	53/- / 56	54 / - / 57
Sound power	dB(A)	77	78	79	80
Horsepower (hp) control	m^3/h	3570/3960/3960	4110/4500/4500	7200/-/7920	8220/-/9000
Rated static pressure (min-max)	Pa	200 (180 - 220)			
Condensing pump	-	no			
Max. elevation	mm				
Cooling pipe diameter (Liq/Gas)	inches	3/8 - 3/4	3/8 - 7/8	3/8 - 3/4	3/8 - 7/8
Condensate pipe diameter (out)	mm	25			
Dimensions (HxLxD)	mm	423 x 1592 x 600		846 x 1592 x 600	
Weight	kg	85	87	171	175
Power supply	-	1~ 230V 50 Hz		1~ 230V 50 Hz	
Total nominal power consumption (Max)	kW	0.97 (1.75)	1.06 (1.91)	1.94 (3.50)	2.12 (3.82)
Indoor unit power cable	-	3G1.5 mm^2		3G4 mm^2	
Bus cable section (EN 60 335-1)[2]	mm^2	2 x 0.75 shielded (cable type according to local regulations)			
Max. current	A	10.0		16.2	17.7

[1] Sound pressure is measured under the following conditions: at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[3] Access to very high speeds is possible with the PC-ARFG2-E(B), PC-ARFG3-E(B), and PC-ARC-E remote controls..



Wall

NEW

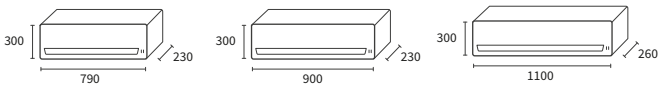
Reversible system 1.10 – 11.20 kW (R32)

Heat pump air365 Max (Pro) only compatible with R32

R32 REFRIGERANT | SYSTEM FREE | GENTLE COOL | 0.4 hp (horse-power)



Indoor units



RPK- 0.4FSR2M
RPK- 0.6FSR2M
RPK- 0.8FSR2M
RPK- 1.0FSR2M

RPK- 0.4FSRH2M
RPK- 0.6FSRH2M
RPK- 0.8FSRH2M
RPK- 1.0FSRH2M

RPK- 1.5FSR2M
RPK- 1.5FSRH2M

RPK-2.0FSR2M
RPK-2.5FSR2M
RPK-3.0FSR2M
RPK-4.0FSR2M

Model RPK-(0.4~4.0)FSR(H)2M includes an R32 leak detection sensor (compatible with air365 R32).

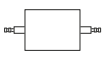
Compatible controls and accessories

Individual checks



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**
Model : **PC-ARFG3-E(B)***

*The PC-ARFG3-E(B) remote control includes an audible and visual alarm for R32 refrigerantmanagement.



Remote controller
EV-1.5N1



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**

SERVICES

Flexible installation

- Compatible remote control PC-ARFG3-E(B)
- Built-in R32 leak detection sensor for easy installation.

APPRAISAL

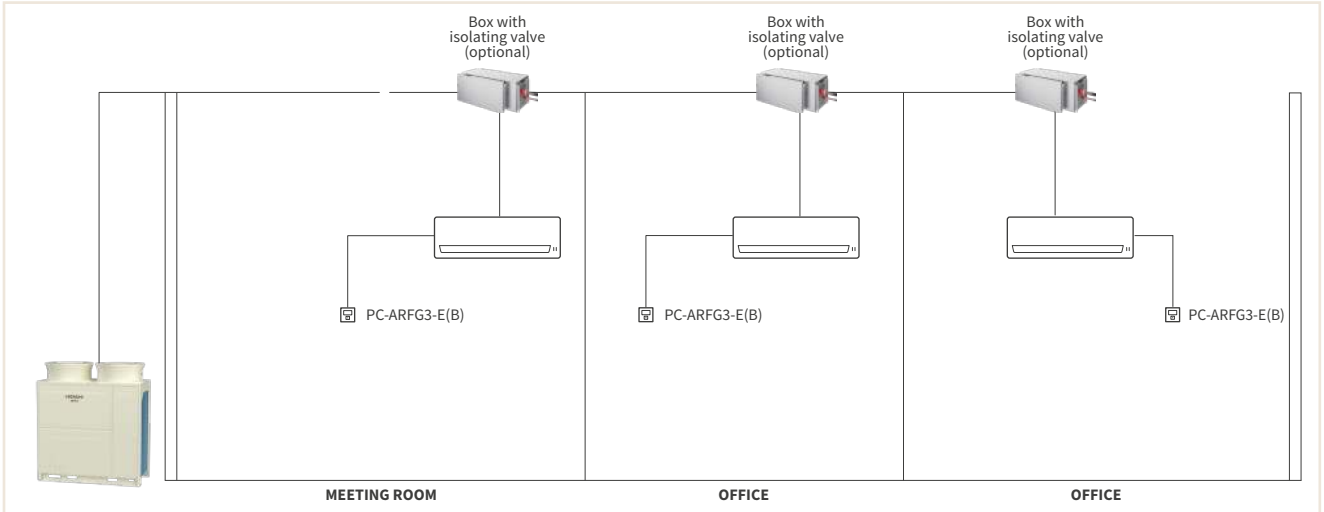
Elevated circulation rate

Use the 4 fan speeds to adapt the airflow for comfort in every room.

SOUND COMFORT

Low noise level

- Units ranging from 0.4 to 1.5 hp can be ordered without a pressure reducer (H version) so that the pressure reducer can be installed separately (order part no. EV-1.5N1) for even quieter operation.
- Ideal for use in hotels and small spaces.



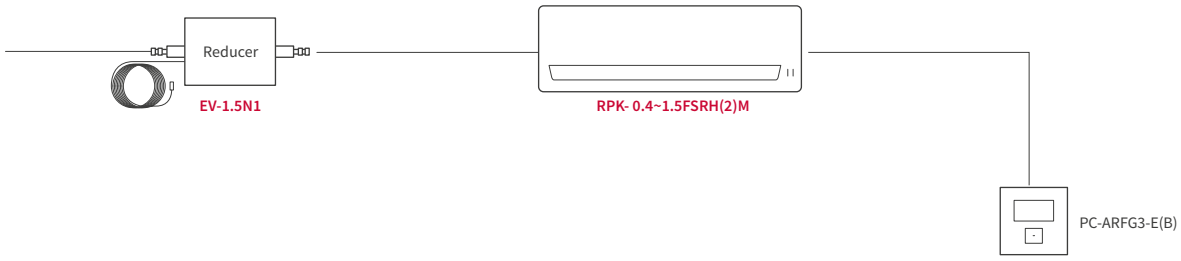
Wall unit (heat pump air365 Max (Pro) only compatible with R32)

Model RPK-(0.4~4.0)FSR(H)2M includes an R32 refrigerant leak detection sensor (compatible with air365 R32).

Indoor units	Unit	RPK-0.4FSR(H)2M	RPK-0.6FSR(H)2M	RPK-0.8FSR(H)2M	RPK-1.0FSR(H)2M	RPK-1.5FSR(H)2M	RPK-2.0FSR2M	RPK-2.5FSR2M	RPK-3.0FSR2M	RPK-4.0FSR2M
Power (adjustable)	hp (horse-power)	0.40	0.60	0.80	1.00 → 1.30	1.50	1.8 ← 2.00	2.30 ← 2.50	3.00	4.00
Capacity Cooling UTOPIA Prime & IVX	kW	not available	not available	2.00	2.50	3.60	5.00	5.60	7.10	10.00
Capacity Heating UTOPIA Prime & IVX	kW	not available	not available	2.20	2.80	4.00	5.60	6.30	8.00	11.20
Capacity Cooling SET FREE	kW	1.10	1.70	2.20	2.80	4.00	5.60	7.10	8.00	11.20
Capacity Heating SET FREE	kW	1.30	1.90	2.50	3.20	4.80	6.30	8.50	9.00	12.50
Noise level in Cooling mode (pressure) (low/medium/high speed1/high speed2)[1][3]	dB(A)	-	-	-	-	-	-	-	-	-
Sound power	dB(A)	-	-	-	-	-	-	-	-	-
Airflow in Cooling mode (low/medium/high speed1/high speed2) [4]	m^3/h	360/402/438/450	360/420/450/480	390/420/480/600		450/540/660/840	570/660/780/870	720/840/990/1110	750/930/1050/1200	870/1050/1200/1380
Condensate pump included	-	No								
Cooling pipe diameter (Liq/Gas)	inches	1/4/1/2						3/8/5/8		
Condensate pipe diameter (out)	mm	20								
Dimensions (HxLxD)	mm	300 x 790 x 230				300 x 900 x 230		300 x 1100 x 260		
Weight	kg	9.0	10.0			11.0	14.5	15.0		
Power supply	-	230V/1Ph/50 Hz								
Indoor unit power cable	-	3G1.5 mm^2								
Bus cable section (EN 60 335-1) [2]	mm^2	2 x 0.75 shielded (LIYCY)								
Max. current	A	5								

[1] Sound pressure is measured under the following conditions: 1 m under the unit, 1 m from the pulse air flap.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[3] Ultra-high-speed access is possible with the PC-ARFG3-E(B) remote controls.
[4] Very low speed is available in Thermo-off mode.

Remote pressure regulator, ideal for hotels and small spaces: minimizes noise in guest rooms or small areas



Low noise level with the remote regulator (wall units 0.4 to 1.5 hp)

R32 REFRIGERANT

IDEAL SMALL PREMISES

IDEAL HOTEL SECTOR



With indoor wall units, you can place the regulator outside of the room, significantly reducing noise levels for the best acoustic comfort.

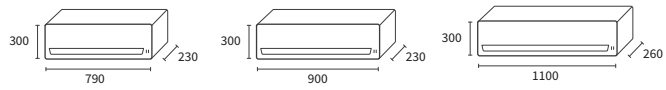
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Wall

Reversible system 1.10 – 11.20 kW (R32/R410A)



Indoor units



RPK- 0.4FSRM RPK- 0.6FSRM RPK- 0.8FSRM RPK- 1.0FSRM	RPK- 0.4FSRM RPK- 0.6FSRM RPK- 0.8FSRM RPK- 1.0FSRM	RPK- 1.5FSRM RPK- 1.5FSRHM	RPK-2.0FSRM RPK-2.5FSRM RPK-3.0FSRM RPK-4.0FSRM

The heat pump air365 Max (Pro) is not compatible with R32.

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**



Infrared receiver
Model: **PC-ALHZ1 (external)**



Remote controller
EV-1.5N1



Infrared controller
Model: **PC-AWR**



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**

SERVICES

Flexible installation

- Compatible PC-ARFG3-E(B) remote control.
- Built-in infrared receiver.
- Available as an option, the PC-ALHZ1 wall-mounted infrared receiver allows you to control multiple units using the same remote control. (Fig. 1)

APPRAISAL

Elevated circulation rate

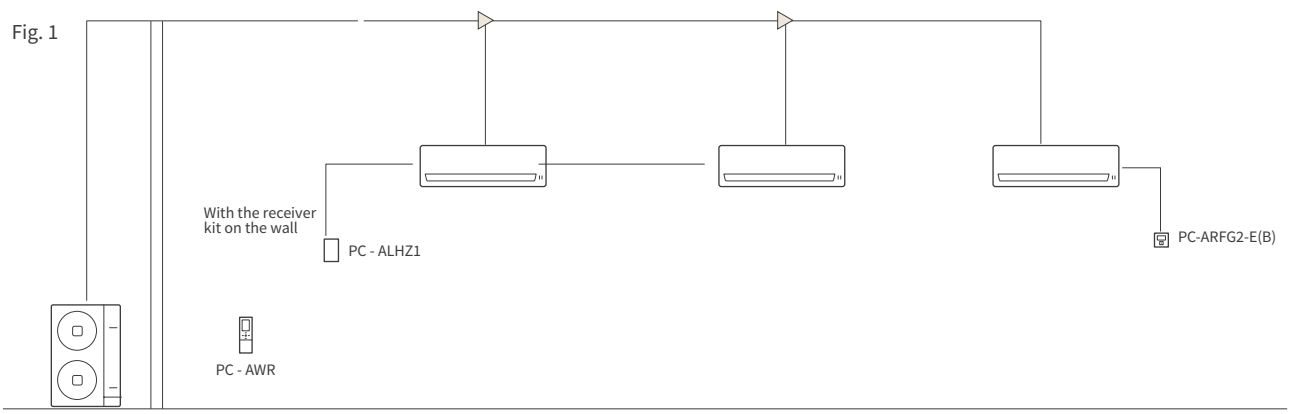
Use the 4 fan speeds to adapt the airflow for comfort in every room.

SOUND COMFORT

Low noise level

- Units ranging from 0.4 to 1.5 hp can be ordered without a pressure reducer (H version) so that the pressure reducer can be installed separately (order part no. EV-1.5N1) for even quieter operation.
- Ideal for use in hotels and small spaces.

Fig. 1

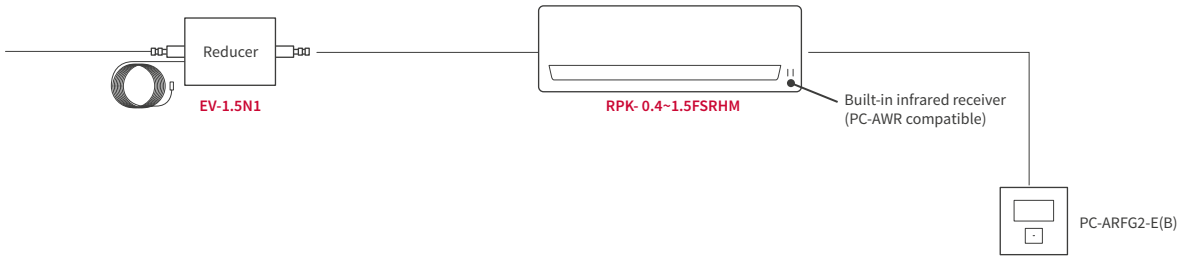


Wall unit

Indoor units	Unit	RPK-0.4FSR(H)M	RPK-0.6FSR(H)M	RPK-0.8FSR(H)M	RPK-1.0FSR(H)M	RPK-1.5FSR(H)M	RPK-2.0FSRM	RPK-2.5FSRM	RPK-3.0FSRM	RPK-4.0FSRM
Power (adjustable)	hp (horse-power)	0.40	0.60	0.80	1.00 → 1.30	1.50	1.8 ← 2.00	2.30 ← 2.50	3.00	4.00
Capacity Cooling UTOPIA Prime & IVX	kW	not available	not available	2.00	2.50	3.60	5.00	5.60	7.10	10.00
Capacity Heating UTOPIA Prime & IVX	kW	not available	not available	2.20	2.80	4.00	5.60	6.30	8.00	11.20
Capacity Cooling SET FREE	kW	1.10	1.70	2.20	2.80	4.00	5.60	7.10	8.00	11.20
Capacity Heating SET FREE	kW	1.30	1.90	2.50	3.20	4.80	6.30	8.50	9.00	12.50
Noise level in Cooling mode (pressure) (low/medium/high speed1/high speed2) [1][3]	dB(A)	29/30/31/32	29/31/32/35	30/32/35/39		33/36/40/46	31/34/37/40	35/38/42/45	35/40/44/47	39/44/48/51
Sound power	dB(A)	45-46-48-49		45-47-49-53		47-50-54-58	47-50-53-55	51-54-58-60	51-56-60-63	54-60-64-65
Airflow in Cooling mode (low/medium/high speed1/high speed2) [4]	m^3/h	360/402/438/450	360/420/450/480	390/420/480/600		450/540/660/840	570/660/780/870	720/840/990/1110	750/930/1050/1200	870/1050/1200/1380
Condensate pump included	-	No								
Cooling pipe diameter (Liq/Gas)	inches	1/4/1/2						3/8/5/8		
Condensate pipe diameter (out)	mm	20								
Dimensions (HxLxD)	mm	300 x 790 x 230				300 x 900 x 230		300 x 1100 x 260		
Weight	kg	9.0	10.0			11.0	14.5	15.0		
Power supply	-	230V/1Ph/50 Hz								
Indoor unit power cable	-	3G1.5 mm^2								
Bus cable section (EN 60 335-1) [2]	mm^2	2 x 0.75 shielded (LIYCY)								
Max. current	A	5								

[1] Sound pressure is measured under the following conditions: 1 m under the unit, 1 m from the pulse air flap.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility and current standards.
[3] Ultra-high-speed access is available with the PC-ARFG2-E(B), PC-ARFG3-E(B) and PC-ARC-E remote controls.
[4] Very low speed is available in Thermo-off mode.

Remote pressure regulator, ideal for hotels and small spaces: minimizes noise in guest rooms or small areas



Low noise level with the remote regulator (wall units 0.4 to 1.5 hp)

IDEAL SMALL PREMISES

IDEAL HOTEL SECTOR



With indoor wall units, you can place the regulator outside of the room, significantly reducing noise levels for the best acoustic comfort.

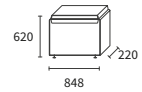
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Console

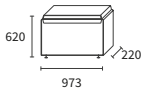
Reversible system 2.2 – 7 kW (R410A)



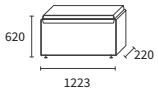
Indoor units



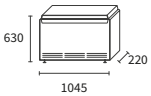
RPFI-1.0FSN2E



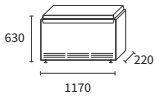
RPFI-1.5FSN2E



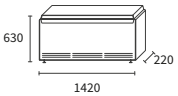
RPFI-2.0FSN2E
RPFI-2.5FSN2E



RPF-1.0FSN2E



RPF-1.5FSN2E



RPF-2.0FSN2E
RPF-2.5FSN2E

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Infrared controller
Model: **PC-AWR**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**



Remote sensor
Model: **THM R2AE**



Infrared receiver
Model: **PC-ALHZ1 (external)**



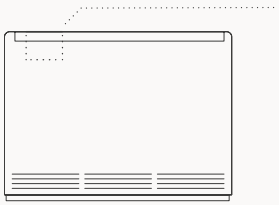
Connectors
Model: **PCC 1A**

SERVICES

Installation time

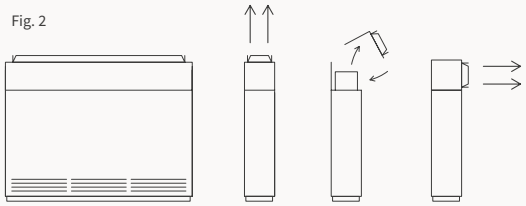
- At just 220 mm deep, the non-enclosed units can be installed anywhere on the wall while taking up very little floor space.
- At 630 mm tall, it is an ideal solution for cooling or heating a room (Fig. 1).

Fig. 1



- On Hitachi consoles without a housing, the airflow direction can be adjusted to suit the system's requirements (Fig. 2).

Fig. 2



APPRAISAL

- Low-power fan: only 20 to 45W.
- In addition, the ability to adjust the power output allows for precise adaptation to each project.

FLEXIBILITY

Integrated remote control

For easier access, the remote control can be built directly into the console (Fig. 1).

Console

Enclosed console	Unit	RPF-1.0FSN2E	RPF-1.5FSN2E	RPF-2.0FSN2E	RPF-2.5FSN2E
Power (adjustable)	hp (horse-power)	1.00	1.30 ← 1.50	1.80 ← 2.00	2.30 ← 2.50
Capacity Cooling UTOPIA Prime & IVX	kW	2.50	3.60	5.00	5.60
Capacity Heating UTOPIA Prime & IVX	kW	2.80	4.00	5.60	6.30
Capacity Cooling SET FREE	kW	2.20 ← 2.80	3.80 ← 4.00	5.20 ← 5.60	6.70 ← 7.10
Capacity Heating SET FREE	kW	2.50 ← 3.20	4.20 ← 4.80	5.60 ← 6.30	7.50 ← 8.50
Sound level in Cooling mode (pressure) (low/medium/high speed) (1)(3)	dB(A)	29/32/35	31/35/38	32/36/39	34/38/42
Sound power	dB(A)	57	60		
Airflow in Cooling mode (low/medium/high speed)	m^3/h	360/420/510	540/600/720	660/840/960	
Dehumidification	l/h	1.10	1.60	2.30	2.70
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2		1/4 - 5/8	3/8 - 5/8
Condensate pipe diameter (out)	mm	18.50			
Dimensions (HxLxD)	mm	630 x 1045 x 220	630 x 1170 x 220	630 x 1420 x 220	
Weight	kg	25	28	33	34
Power supply	-	1~ 230V 50 Hz			
Indoor unit power cable	-	3G1.5 mm^2			
Maximum current	A	5			
Bus cable section (EN 60 335-1) (2)	mm^2	2 x 0.75 shielded (LIYCY)			

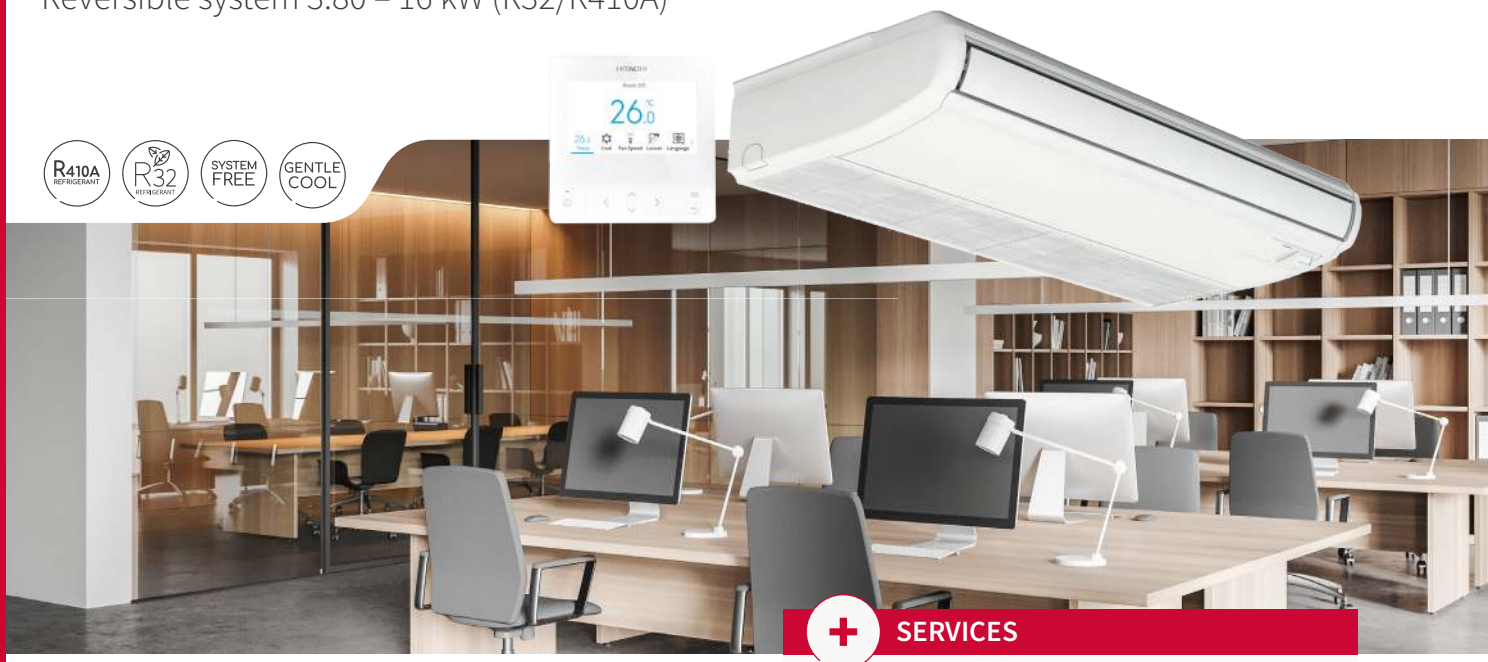
Non-enclosed console	Unit	RPFI-1.0FSN2E	RPFI-1.5FSN2E	RPFI-2.0FSN2E	RPFI-2.5FSN2E
Power (adjustable)	hp (horse-power)	1.00	1.30 ← 1.50	1.80 ← 2.00	2.30 ← 2.50
Capacity Cooling UTOPIA Prime & IVX	kW	2.50	3.60	5.00	5.60
Capacity Heating UTOPIA Prime & IVX	kW	2.80	4.00	5.60	6.30
Capacity Cooling SET FREE	kW	2.20 ← 2.80	3.80 ← 4.00	5.20 ← 5.60	6.70 ← 7.10
Capacity Heating SET FREE	kW	2.50 ← 3.20	4.20 ← 4.80	5.60 ← 6.30	7.50 ← 8.50
Sound pressure in Cooling mode (pressure) (low/medium/high speed) (1)	dB(A)	29/32/35	31/35/38	32/36/39	34/38/42
Sound power	dB(A)	57	60		
Airflow in Cooling mode (low/medium/high speed)	m^3/h	360/420/510	540/600/720	660 x 840 x 960	
Dehumidification	l/h	1.10		2.30	2.70
Diameter of pipes (Liq - Gas)	inches	1/4 - 1/2		1/4 - 5/8	3/8 x 5/8
Condensate pipe diameter (out)	mm	18.50			
Dimensions (HxLxD)	mm	620 x 848 x 220	620 x 973 x 220	620 x 1223 x 220	
Weight	kg	19	23	27	28
Power supply	-	1~ 230V 50 Hz			
Indoor unit power cable	-	3G1.5 mm^2			
Maximum current	A	5			
Bus cable section (EN 60 335-1)(2)	mm^2	2 x 0.75 shielded (LIYCY)			

(1) Sound levels (pressure) are measured in an anechoic chamber at 1 m in front of the unit and at 1 m from the floor.
(2) Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility.
(3) Ultra-high-speed access is available with the PC-ARFG2-E(B), PC-ARFG3-E(B) and PC-ARC-E remote controls.

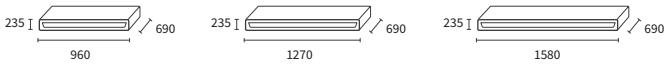
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Ceiling unit

Reversible system 3.80 – 16 kW (R32/R410A)



Indoor units



RPC-1.5FSR(2)
RPC-2.0FSR(2)

RPC-2.5FSR(2)
RPC-3.0FSR(2)

RPC-4.0FSR(2)
RPC-5.0FSR(2)
RPC-6.0FSR(2)

Model RPC-(1.5~6.0)FSR2 includes an R32 refrigerant leak detection sensor (compatible with air365 R32).

Compatible controls and accessories

Individual checks



Simple wired controller
Model: **PC-ARC-E**



Infrared controller
Model: **PC-AWR**



Intuitive multifunction cable control
Model: **PC-ARFG2-E(B)**
Model : **PC-ARFG3-E(B)***

*The PC-ARFG3-E(B) remote control includes an audible and visual alarm for R32 refrigerantmanagement.



Remote sensor
Model: **THM R2AE**



Connectors
Model: **PCC 1A**



Infrared receiver
Model: **PC-ALHP1 (to be integrated)**
Model: **PC-ALHZ1 (external)**



Motion sensor
Model: **SOR-NEP**



Condensate drain pump
Model: **DUPC-63K1** (RPC-1.5FSR extraction pump) Model: **DUPC-71K1** (RPC-2.0FSR extraction pump) Model: **DUPC-160K1** (extraction pump RPC-(2.5-6.0)FSR)

SERVICES

Installation time

Condensing pumps are offered as an option to provide a high level of installation flexibility.

APPRAISAL

Energy savings

- The motion sensor (optional) automatically optimizes the level of comfort
- Limitation of power consumption levels,
- Continuously monitors temperature variations and detects the presence of people in the room, adjusting the set temperature accordingly (+/- 2°C).

COMFORT

Wide modulation range

4 fan speeds to suit every need, provide comfort, and make savings.

Ceiling unit

Model RPC-(1.5~6.0)FSR2 includes an R32 refrigerant leak detection sensor (compatible with air365 R32).

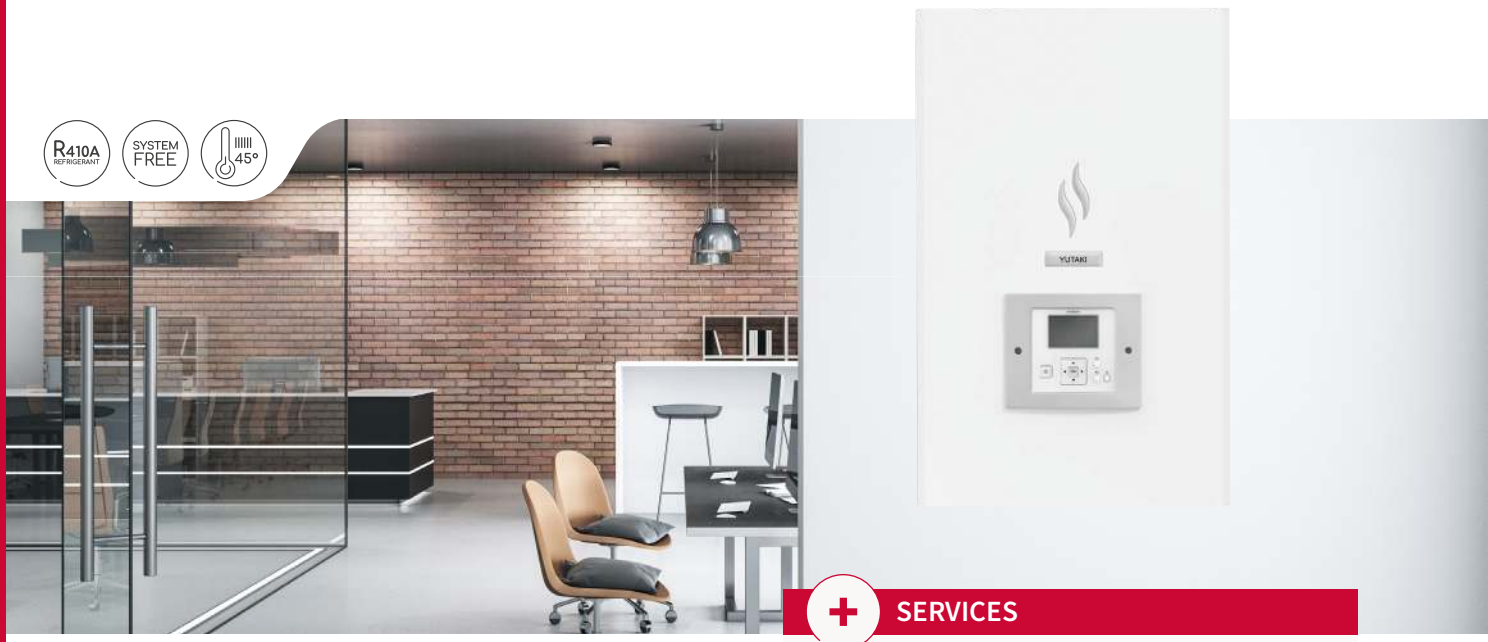
Indoor units	Unit	RPC-1.5FSR(2)	RPC-2.0FSR(2)	RPC-2.5FSR(2)	RPC-3.0FSR(2)	RPC-4.0FSR(2)	RPC-5.0FSR(2)	RPC-6.0FSR(2)
Power (adjustable)	hp (horse-power)	1.30 ← 1.50	1.80 ← 2.00	2.30 ← 2.50	3.00	4.00	5.00	6.00
Capacity Cooling UTOPIA Prime & IVX	kW	3.60	5.00	5.60	7.10	10.00	12.50	14.00
Capacity Heating UTOPIA Prime & IVX	kW	4.00	5.60	6.30	8.00	11.20	14.00	16.00
Capacity Cooling SET FREE	kW	3.80 ← 4.00	5.20 ← 5.60	6.70 ← 7.10	8.00	11.20	14.00	16.00
Capacity Heating SET FREE	kW	4.20 ← 4.80	5.60 ← 6.30	7.50 ← 8.50	9.00	12.50	16.00	18.00
Sound level in Cooling mode (pressure) (low/medium/high speed1/high speed2) [1][3]	dB(A)	28/31/35/37	28/31/35/38		29/33/37/40	32/37/42/44	35/41/45/48	36/42/47/49
Sound power	dB(A)	53	54		56	60	64	65
Airflow in Cooling mode (low/medium/high speed1/high speed2) [4]	m^3/h	540/660/780/900		690/840/990/1140	750/930/1110/1260	1020/1320/1590/1800	1200/1530/1860/2100	1260/1620/1950/2220
Condensing pump	-	(optional)						
Max. elevation	mm	600						
Diameter of cooling pipes (Liq/Gas)	inches	1/4 - 1/2		3/8 - 5/8				
Condensate pipe diameter (out)	mm	25						
Dimensions (HxLxD)	mm	235 x 960 x 690		235 x 1270 x 690		235 x 1580 x 690		
Weight	kg	26	27	35		41		
Power supply	-	1~ 230V 50 Hz						
Indoor unit power cable	-	3G1.5 mm^2						
Maximum current	A	5						
Bus cable section (EN 60 335-1) [2]	mm^2	2 x 0.75 shielded (cable type according to local regulations)						

[1] Sound levels (pressure) are measured in an anechoic chamber at 1 m under the unit, 1 m from the pulse air flap.
[2] Data shown is for indication purposes only. It is the installer's responsibility to ensure that these Cable sections meet the needs of the facility.
[3] Ultra-high-speed access is available with the PC-ARFG2-E(B), PC-ARFG3-E(B) and PC-ARC-E remote controls.
(4) Very low speed is available in Thermo-off mode.

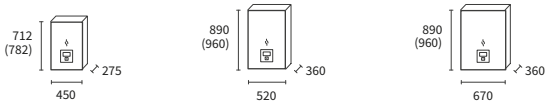
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Hydro Free low-temperature unit

9 – 27 kW (R410A)



Indoor units



RWLT-3.0VN1E | RWLT-5.0VN1E | RWLT-10.0VN1E

Compatible controls and accessories

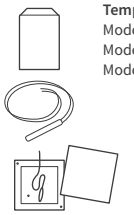
Individual checks



Controller enclosure
Model: **ATWFCP-01**



ON/OFF wireless thermostat
Model: **ATW-RTU-04**



Temperature sensors
Model: **ATW-2OS-02**
Model: **ATW-ITS-01**
Model: **ATW-WTS-02Y**

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

SERVICES

Installation time

- The module comes standard with all the necessary equipment: a circulation pump, a filter, an expansion tank, a drain valve, and a pressure gage…
- The flexibility of the refrigeration system allows it to be integrated into any type of facility.
- In renovation projects, this solution makes it possible to partially retain an existing plumbing system.

APPRAISAL

Energy savings

- Free DHW preheating (heat pump 3-pipe),
- Improved overall performance of installed systems.
- A single generator can meet the needs for air conditioning, heating, and DHW preheating.

FLEXIBILITY

Heat applications

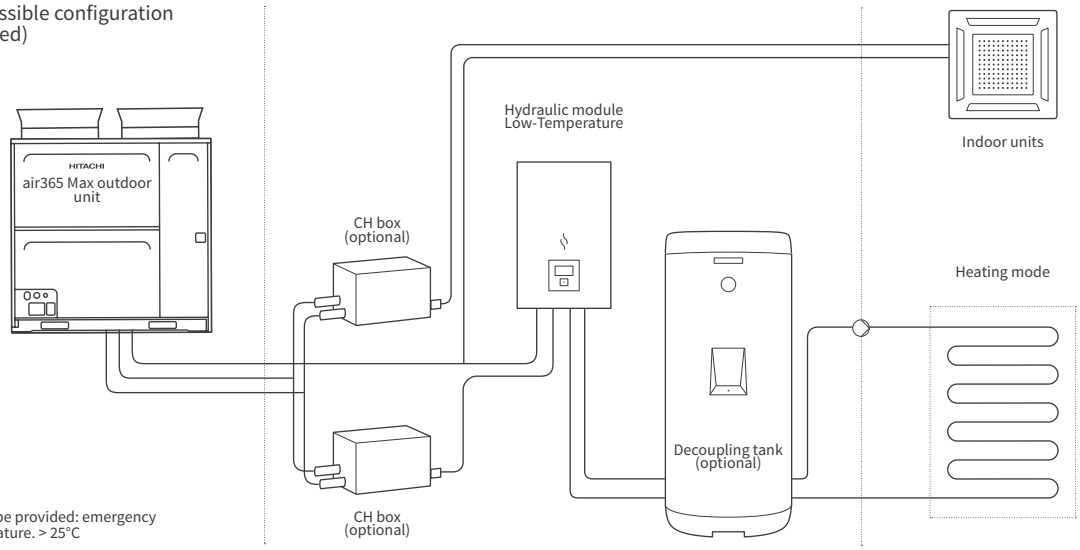
- The Hydro Free module (low temperature, 45°C) is compatible with underfloor heating or fan coil units. This solution ensures maximum thermal comfort.
- Combination of direct release and hydraulic solution.

Hydro Free Low Temperature (only compatible with heat pump R410A)

Indoor units		Unit	RWLT-3.0VN1E	RWLT-5.0VN1E	RWLT-10.0VN1E
Capacity Heating (7°C outside/35°C water)		kW	9	16	27
Heating capacity (-7°C outside/35°C water)		kW	5.50	11.50	17.70
Heating capacity (-7°C outside/45°C water)		kW	5.20	11.10	15.61
Sound power		dB(A)	37	39	47
Net weight		kg	35	50	62
Unit dimensions	Height (with connections)	mm	712 (782)	890 (960)	890 (960)
	Width	mm	450	520	670
	Depth	mm	275	360	360
Water flow	(min. - rated - max.)	m^3/h	1.5	2.7	4.7
Min. system water capacity		L	100	150	180
Power supply/Max current		-	1~ 230V 50 Hz / 5 A		
Power cable		mm^2	3G2. 5		
Bus cable section		mm^2	2 x 0.75		
Max. consumption		kW	0.05	0.08	0.14
Type of cooling connection		-	Flare		Liq: Flare Gas: Brazed
Diameter of cooling pipes (Liq - Gas)		inches	3/8" - 5/8"		3/8" - 7/8"
Hydraulic connections (male/male valves supplied)		inches	1"	1 - 1/4"	
Hydrofree connection rate		-	0 ~ 100%		
Min. overall rate of DX* units		-	50%		
General connection rate of Hydrofree + DX units	3-pipe VRF*	-	RAS-8~12FSXNME: 50% ~ 200%		
	3-pipe VRF*	-	RAS-FSXNS2E: 50% ~ 200%		
		-	RAS-FSXNP2E: 50% ~ 200%		
Max. number of indoor units with Hydrofree installed [1]		-	38		
Temperature range of water outlet in heating mode		-	20°C ~ 45°C		

* Important: simultaneous operation can never be higher than 100% in heat pump mode.
Simultaneous operation in the same mode can never exceed 100% for a VRF system in heat recovery mode.
[1] The maximum number of indoor units is the recommended quantity of indoor units for every size of outdoor unit. For more information, please refer to the technical catalog of the outdoor unit.

Example of possible configuration
(CH box required)

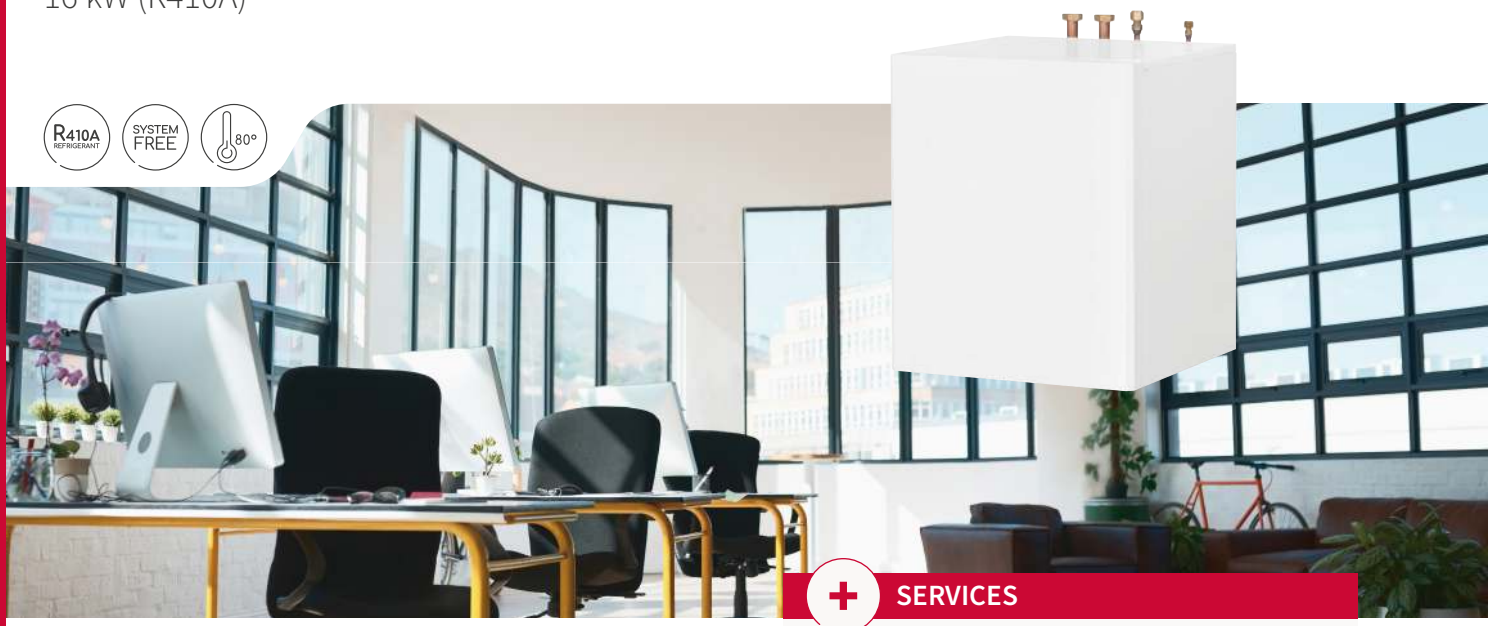


Electric backup to be provided: emergency or external temperature. > 25°C

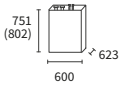
You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".

Hydro Free High-Temperature

Heating mode only
16 kW (R410A)



Indoor units



RWHT-5.0VNF1E

Compatible controls and accessories

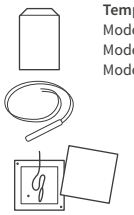
Individual checks



Controller enclosure
Model: **ATWFCP-01**



ON/OFF wireless thermostat
Model: **ATW-RTU-04**



Temperature sensors
Model: **ATW-2OS-02**
Model: **ATW-ITS-01**
Model: **ATW-WTS-02Y**



Provide an electrical resistance backup (emergency) on site.

CSNET Manager



CSNET Lite (web)

CSNET Manager 2 SL (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

SERVICES

Installation time

- One generator to meet two needs: Heating and DHW.
- The Hydro Free High Temperature system produces hot water up to 80°C using renewable energy (no anti-legionella cycle required).
- Continuous DHW production: combined with the air365 Max or SET FREE Mini 3-pipe heat pump.

APPRAISAL

Energy savings

- Free DHW production thanks to energy recovery (3-pipe)
- 3-in-1 solution: heating, air conditioning (direct expansion) + DHW (via hydraulic module)

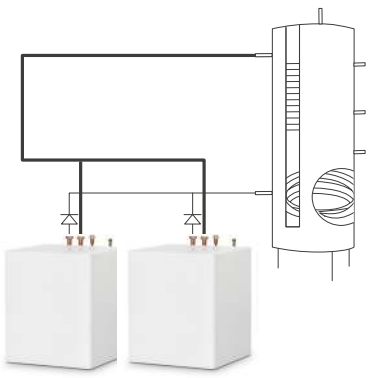
FLEXIBILITY

Smart operation

The Hydro Free High Temperature models are equipped with two compressors operating with an intelligent cascade system and two refrigeration cycles (R-410A and R-134A): The second cycle only occurs if the water inlet temperature is greater than or equal to 30°C or when the outlet temperature is greater than or equal to 45°C.

Hospitality application

Heat pump solution with 3-pipe + indoor unit + Hydrofree + CH housing for heat recovery.



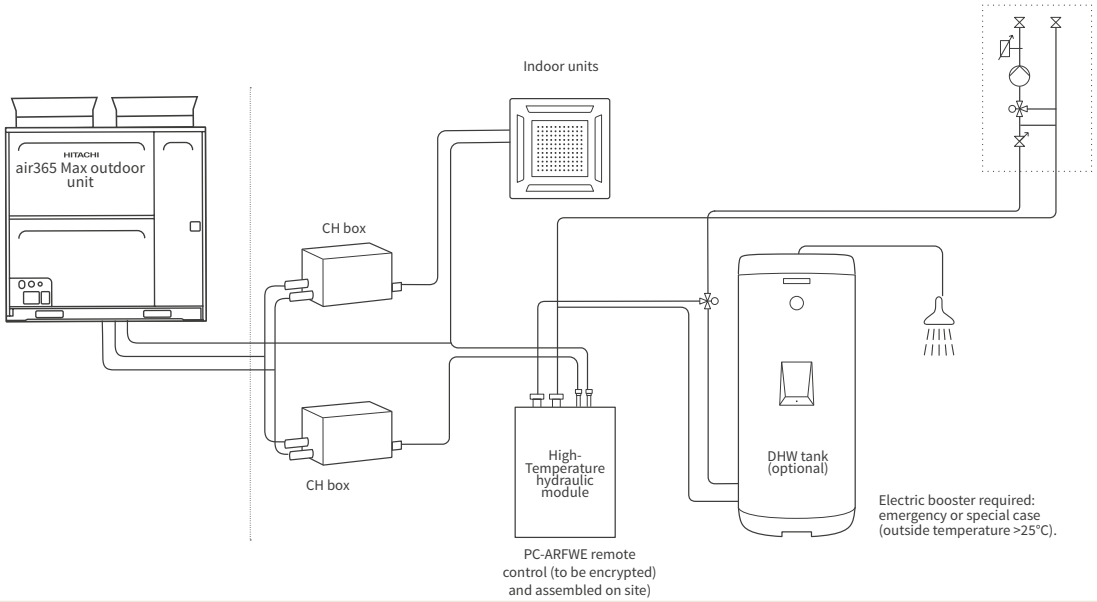


Hydro Free High Temperature (only compatible with heat pump R410A)

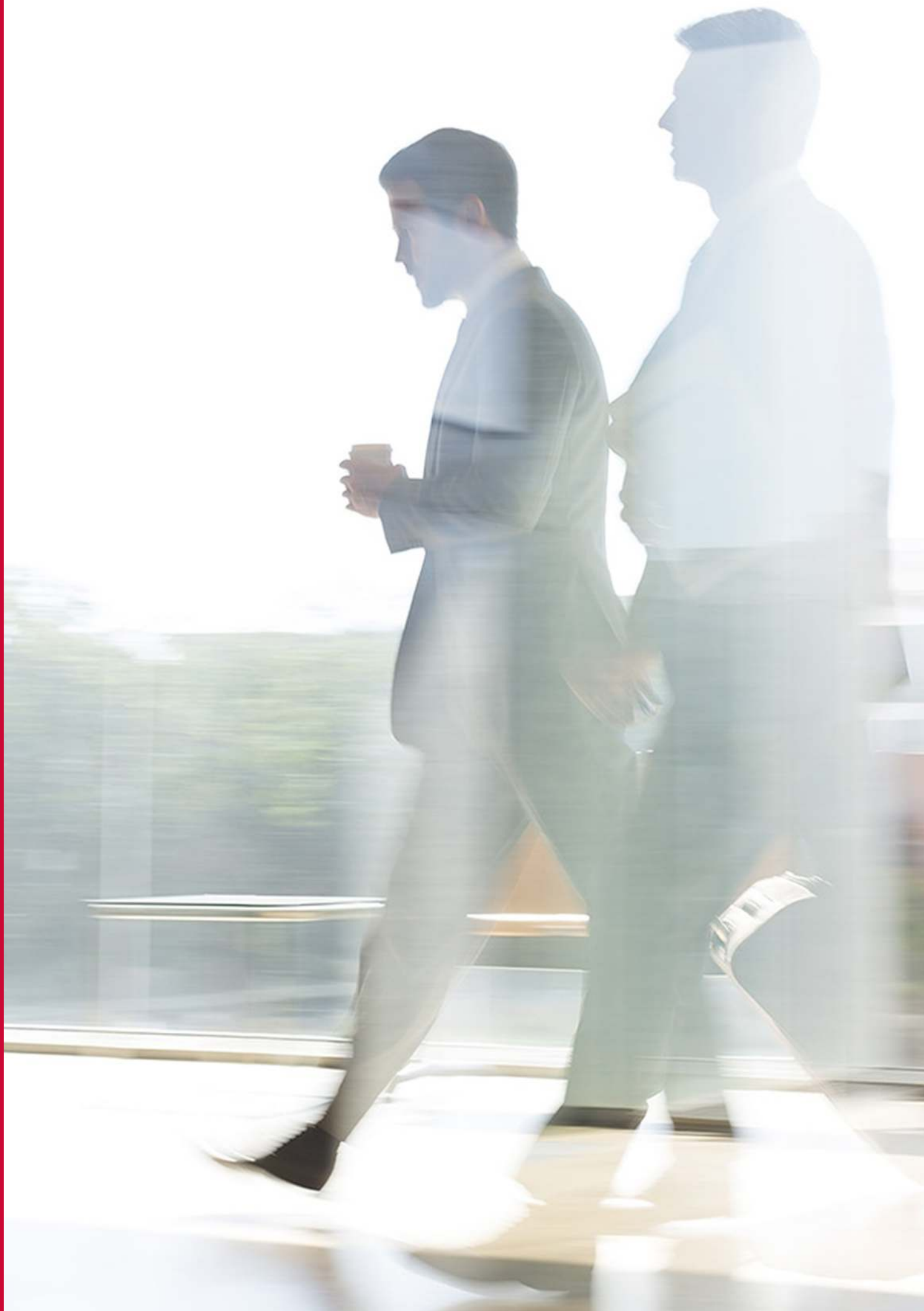
Indoor units		Unit	RWHT-5.0VNF1E
Capacity Heating (7°C outside/35°C water)		kW	16
Heating capacity (-7°C outside/65°C water)		kW	13.9
Heating capacity (-7°C outside/80°C water)		kW	12.4
Sound power		dB(A)	57
Net weight		kg	129
Unit dimensions	Height (with connections)	mm	751(802)
	Width	mm	600
	Depth	mm	623
Water flow	(min. - rated - max.)	m^3/h	2.8
Min. system water capacity		L	80
Power supply/Max current		-	1~ 230V 50 Hz / 28A
Power cable		-	3G6 mm^2
Bus cable section		mm^2	2 x 0.75 mm^2
Max. consumption		kW	6.23
Type of cooling connection		-	Dudgeon
Diameter of cooling pipes (Liq - Gas)		inches	3/8" - 5/8"
Hydraulic connections (male/male valves supplied)		inches	1-1/4" - 1-1/4"
Refrigerant		-	R134A
Compressor		-	Scroll
General hydraulic module rate		-	0 ~ 100%
IU connection rate when the hydraulic module is installed*		-	50% ~ 130%
Total connection rate of MH + DX units	3-pipe* VRF air365 – Set Free Mini L	-	RAS-FSXNS2E - RAS-8~12FSXNME : 50% ~ 200%
		-	RAS-FSXNP2E: 50% ~ 200%
Max. number of indoor units with HM installed		-	38
Max. temperature range of water outlet		-	25°C ~ 80°C
Remote control		-	PC-ARFWE (mounted locally)

* Important: simultaneous operation can never be higher than 100% in heat pump mode.
Simultaneous operation in the same mode can never exceed 100% for a heat recovery system.
(1 *) The maximum number of indoor units is the recommended quantity of indoor units for every size of outdoor unit. For more information, please refer to the technical catalog of the outdoor unit.
(* 2) See chapter "9.5.2.2 of the TC technical manual: Function of DIP switches and rotary switches" for details on pin 3 of the DSW8 when the connection rate is > 180%.

Example of possible configuration with 3-pipe (CH box required)



You can have multiple contacts with the connector 1A: operating delay, fault delay, thermostat control, remote "on/off".



Quick selection table

Direct expansion air curtains



DX FRICO air curtains.
Thermodynamic heating air curtain for store entrances of any size.

KPI Passive

240 Pa



Double-flow ventilation system with energy recovery.
KPI-252~2002E4E/KPI-502~2002E4E

KPI active

200 Pa

13 KW



Double flow ventilation system with energy recovery and built-in DX battery.
KPI-502~1002X4E

DX kit

11 à 28 KW

10 à 25 KW



Control system for direct expansion coil.
Example of application: air filtering unit.
EXV 4.0 - 10E2

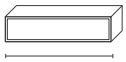
DX air curtains

Reversible system
9 – 26 kW (R410A)



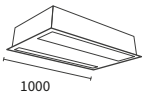
Indoor units

Wall curtain



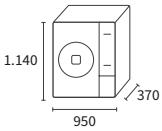
1000
1500
2000
2500

Recessed curtain

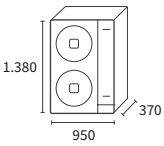


1000
1500
2000
2500

Outdoor units



RAS-6H(V)NC2E



RAS-8HNCE
RAS-10HNCE

SERVICES

Installation time

- Factory assembly of the pressure reducer, its control interfaces, and an extraction pump allows for ultra-fast installation..
- Frico's Linea range of air curtains can be combined with a Hitachi split heat pump for heights of up to 3.5 m..

APPRAISAL

Energy savings

- Fast return on investment,
- Low CO2 emissions.

PLUG AND PLAY

Hitachi + FRICO solution

- Hitachi and Frico have joined forces to offer you direct expansion air curtains compatible with Hitachi units from the Micro heat pump IVX COMFORT range.
- Available in 2 versions: Built-in and wall-mounted models.
- Reversible range (heating or cooling operation).

Compatible controls and accessories

Individual checks



Wired weekly controller
Model: **PC-ARFG2-E(B)**
(must be quantified)

DX air curtains

Wall curtain

Linea M DXH compatible with Hitachi, height of up to 3 m, 230V~

Part number	Power	Air flow rate	Voltage	Weight
	kW	m^3/h	(V)	kg
LINEAM1500DXH4	12	2550	230	83
LINEAM2000DXH6	15	3600	230	113
LINEAM2500DXH8	22	4500	230	145

Linea G DXH compatible with Hitachi, height of up to 3.5 m, 230V~

Part number	Power	Air flow rate	Voltage	Weight
	kW	m^3/h	(V)	kg
LINEAG1000DXH5	12	2550	230	55
LINEAG1500DXH6	15	3600	230	85
LINEAG2000DXH8	22	5400	230	115
LINEAG2500DXH10	26	5400	230	147

Part number	Height	Length	Depth
LINEA1000DXH	140+260	1000	480
LINEA1500DXH	140+260	1500	480
LINEA2000DXH	140+260	2000	480
LINEA2500DXH	140+260	2500	480

Recessed curtain

AZR M DXH compatible with Hitachi, height of up to 3 m, 230V~

Part number	Power	Air flow rate	Voltage	Weight
	kW	m^3/h	(V)	kg
AZRM1500DXH4	12	2550	230	83
AZRM2000DXH6	15	3600	230	113
AZRM2500DXH8	22	4500	230	145

AZR M DXH compatible with Hitachi, height of up to 3.5 m, 230V~

Part number	Power	Air flow rate	Voltage	Weight
	kW	m^3/h	(V)	kg
AZRG1000DXH5	12	2550	230	55
AZRG1500DXH6	15	3600	230	85
AZRG2000DXH8	22	5400	230	115
AZRG2500DXH10	26	5400	230	147

Part number	Height	Length	Depth
AZR1000DXH	130+260	1000	700
AZR1500DXH	130+260	1500	700
AZR2000DXH	130+260	2000	700
AZR2500DXH	130+260	2500	700

Hitachi-compatible outdoor units

Split installation: Compatible outdoor units (provide one PC-ARFG2-E(B) remote control per curtain)

Utopia Prime / Micro heat pump IVX Comfort
Comfort
RAS-6H(V)NC2E
RAS-8HNCE
RAS-10HNCE

Utopia Prime/Micro VRF IVX
Comfort
RAS-6H(V)NC2E
RAS-8HNCE
RAS-10HNCE
RAS-10HNCE





IMPORTANT

Installation in a heated space to ensure proper operation of the air curtain.

Contact FRICO for any quotation requests.

KPI Passive

Dual-flow ventilation + Heat recovery 250 – 2000 m³/h



SERVICES

Flexible installation

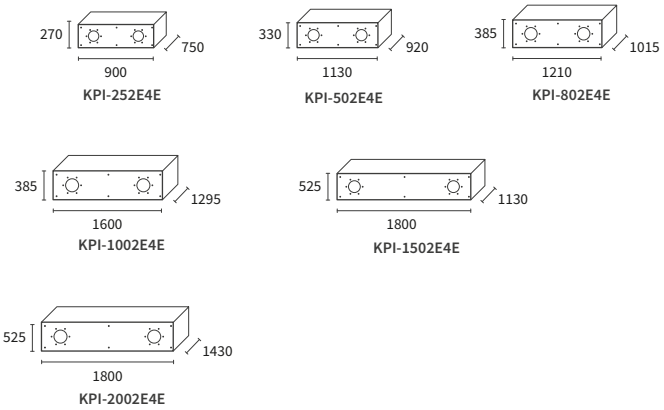
- Suitable for commercial applications,
- Double-flow ventilation,
- Available pressure up to 240 Pa.

APPRAISAL

Energy savings and air quality

- Energy recovery up to 83%,
- Low-consumption electronically commutated motor,
- Filter G3,
- Can be regulated with a CO^2 sensor (sensor not included),
- High-efficiency F7 filtration (optional).

Indoor units



Compatible controls and accessories

Individual checks



Weekly wired order
Model: **PC-ARFG2-E(B)**
(must be quantified)

- These units are not suitable for installation in ERPs of the first group

KPI Passive

Celluloid exchanger	Unit	KPI-252E4E	KPI-502E4E	KPI-802E4E	KPI-1002E4E	KPI-1502E4E	KPI-2002E4E
Choice of flow	m^3/h	250	500	800	1000	1500	2000
Efficiency (high/medium/low speed)	%	74 / 77 / 79	74 / 77 / 78	75 / 76 / 78	78 / 81 / 83	73 / 76 / 80	76 / 78 / 80
Airflow (high/medium/low speed)	m^3/h	250 / 208 / 180	500 / 420 / 360	800 / 700 / 540	1000 / 800 / 620	1500 / 1250 / 950	2000 / 1560 / 1200
Noise level (pressure) (high/medium/low speed)	dB(A)	28 / 27 / 25	33 / 31 / 30	35 / 34 / 33	37 / 34 / 32	39 / 37 / 35	40 / 39 / 36
Available static pressure (high/medium/low speed) (default setting)	Pa	55 / 35 / 30	80 / 50 / 37	90 / 60 / 40	95 / 65 / 40	100 / 70 / 45	120 / 65 / 40
Max static pressure (nominal airflow)	Pa	240	210	120	190	200	170
Dimensions (HxLxD)	mm	270 x 900 x 750	330 x 1130 x 920	385 x 1210 x 1015	385 x 1600 x 1295	525 x 1800 x 1130	525 x 1800 x 1430
Weight	kg	34	46	51	79	97	106
Power supply	-	1~230V 50 Hz					

KPI active

Dual-flow ventilation + Heat recovery and direct expansion (DX) coil included 500 – 1000 m^3/h

200 Pa

13 KW



SERVICES

Installation of active KPIs with heat pump air365 Max, Set free mini

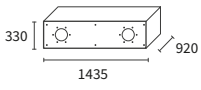
- Mixed operation (active KPI dual-flow ventilation and air-to-air indoor units),
- The connection rate is: max 30% active KPI and 70% indoor air/air unit..

APPRAISAL

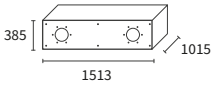
Energy savings and air quality

- Energy recovery of up to 83%,
- Low-consumption electronically commutated motor,
- Can be regulated with a CO^2 sensor (sensor not included),
- High-efficiency F7 filtration (optional),
- Fresh air renewal.

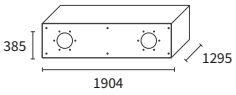
Indoor units



KPI-502X4E



KPI-802X4E



KPI-1002X4E

Compatible controls and accessories

Individual checks



Weekly wired order
Model: **PC-ARFG2-E(B)**
(must be quantified)

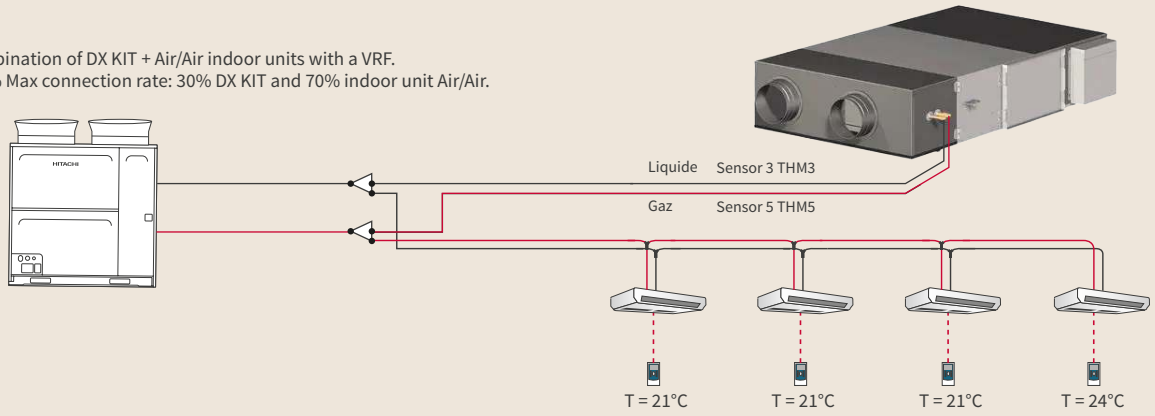
KPI active

Celluloid exchanger + DX battery	Unit	KPI-502X4E	KPI-802X4E	KPI-1002X4E
Rated cooling capacity (recovery)	kW	5,32 (of which is recovered: 1.81)	7,96 (of which is recovered: 2.94)	10,83 (of which is recovered: 3.73)
Rated heating capacity (recovery)	kW	6,92 (of which is recovered: 2.12)	9,79 (of which is recovered: 3.49)	12,93 (of which is recovered: 4.43)
Exchange efficiency (high/medium/low speed)	%	74/77/78	75/76/78	78/81/83
Noise level (pressure) (high/medium/low speed)	dB(A)	32/30/29	34/33/32	36/33/31
Airflow (high/medium/low speed)	m³/h	500/430/380	800/700/590	1000/820/740
Max static pressure (nominal airflow)	Pa	90/72/58	110/80/57	170/105/80
Static pressure	Pa	200	110	170
Dimensions (H x W x L)	mm	330 x 1435 x 920	385 x 1513 x 1015	385 x 1904 x 1295
Weight	kg	62	69	100
Power supply	-	1~230V 50 Hz		
Compatibility OU 1x1	-	-	-	-
Operating range	-	Outside temperature -5 ~ 46 ºC (DB)(1) Outside temperature <-5°C: Provide an electric heater upstream of the fresh air intake.		
Filter	-	G3 (F7 optional)		

(1) The installation of an electric heater and an additional THM4 air inlet sensor (optional accessory installed before the electric heater) is necessary when the temperature drops below 23.6°F (6°C)..

Example of implementation of active KPIs with heat pump Set free (air365 Max(Pro), Set free mini, etc.)

Combination of DX KIT + Air/Air indoor units with a VRF.
100% Max connection rate: 30% DX KIT and 70% indoor unit Air/Air.



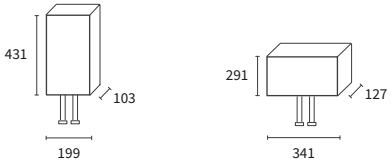
DX kit

Direct expansion ventilation and air treatment solution
1200 – 5340 m³/h

R410A REFRIGERANT · 11 À 28 KW · 10 À 25 KW



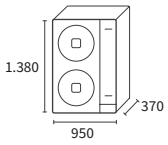
DX KIT (regulator)



EXV-4.0E2
EXV-5.0E2
EXV-6.0E2

EXV-8.0E2
EXV-10.0E2

Outdoor units



RAS-(4~10)XH(V)NP(1)E

Compatible controls and accessories

Individual checks



Weekly wired order
Model: **PC-ARFG2-E(B)**



Adjustable input/output contact connections
Model: **PCC 1A**



The kit includes:
- **4 sensors with extensions** (THM1: air inlet sensor and THM2: air outlet sensor. THM3 and THM4: sensors at liquid and gas lines).
- **1 electronic pressure regulator housing.**
- **1 electric box.**
- **1 shunt.**

Not indlued
(must be quantified):
- **Remote control PC-ARFG2-E(B)**
- **PCC 1A connectors**

+ SERVICES

Flexible installation

- Modular operation with up to 5 units (Only with OU IVX PREMIUM RAS-XH(V)NP(1)E):
  The master group retains 4 sensors; the slave groups retain only the gas and liquid sensors (coil tubes).
- Synchronized defrosting between units.
- Only the RAS-XH(V)NP(1)E outdoor unit is authorized for use with AHUs with supply air control..

+ APPRAISAL

Energy saving and environmentally friendly

Low-energy thermodynamic ventilation system.

+ AIR QUALITY

Compatibility with third-party air filtering units

"Expansion valve/control box" kit that allows a Hitachi unit to be connected to a system with a direct expansion coil (AHU, ventilation, air curtain, etc.) and controlled as a Hitachi indoor unit.

Mandatory accessories to provide on site

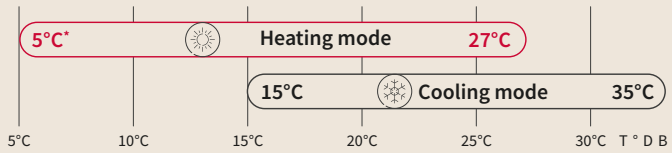
- Differential air pressure switch required for DX KIT (not supplied by Hitachi),
- Anti-freeze safety thermostat dedicated to the DX kit in case of fresh air supply (not supplied by Hitachi).

Important

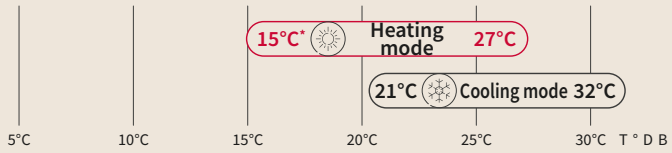
- Do not stop ventilation through the DX coil during defrosting of outdoor units.. You can add an electrical element to avoid blowing cooling air (not managed or sold by Hitachi).
- A 12V DC relay (not sold by Hitachi) must be provided to control the electrical resistance.
- A 12 V DC relay (not sold by Hitachi) for heating/cooling mode selection must be provided if the AHU has inputs for heating/cooling mode selection.
- If the CTA has outputs to control the mode (heating/cooling), these must be connected to the inputs (dry contact) of the outdoor unit.

Operating range for DX coil air inlet temperature

T° of DX battery air inlet
(Installation with unit IVX PREMIUM).
RAS-4~10XH(V)NP1E only.



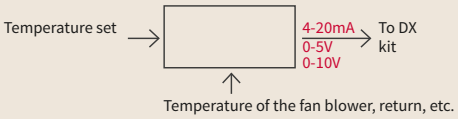
T° of DX battery air inlet
(Installation with IVX Prime, IVX Comfort, Set free mini, and air365 Max).



Below these values, provide an electrical element or a heat recovery system upstream of the DX battery.

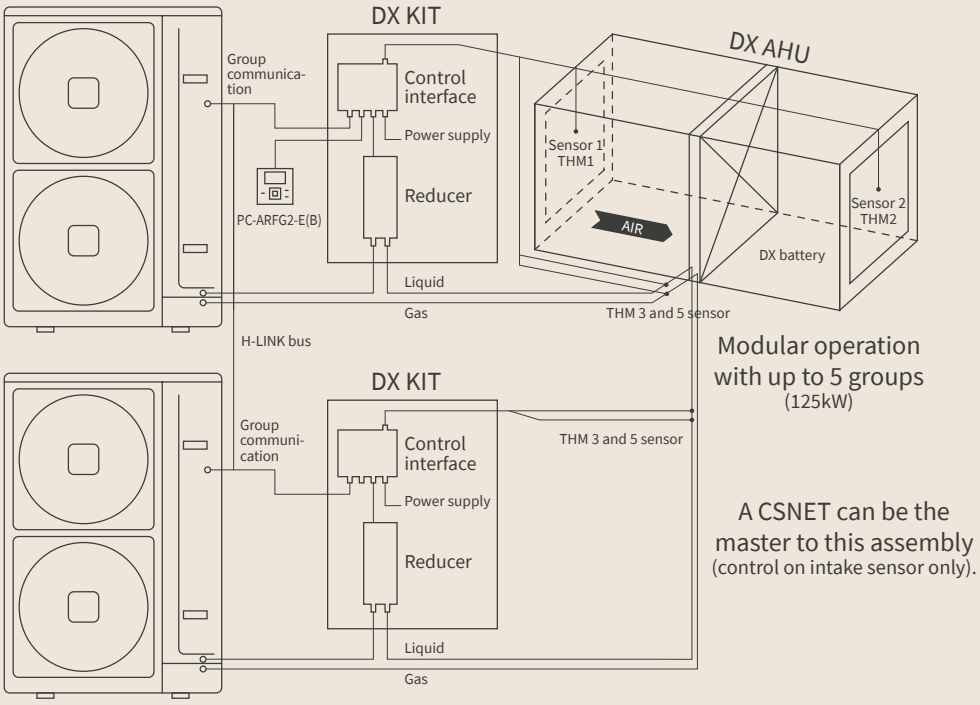
Optimal control based on blowing

Compatible with groups IVX PREMIUM RAS-4~10XH(V)NP1E only.
- Regulation possible at intake or exhaust,
- Control using an external regulator with a 0-10V signal for precise control of the blowing temperature (probe not supplied),
- A 0-10V, 0-5V/4-20mA input for external control is available.



Control based on air intake only.

Compatible with IVX Prime, IVX Comfort, SET FREE Mini, and air365 Max groups:
- Control based on air intake depending on air intake only.



Modular operation with up to 5 groups
(125kW)

A CSNET can be the master to this assembly
(control on intake sensor only).

Optimal defrosting

- Installation with 2 or 3 units: Only one unit in defrost mode,
- Installation with 4 or 5 units: 2 groups in defrosting mode and 2 or 3 units in use.

DX kit

Part number of DX KIT	Unit	EXV-4.0E2	EXV-5.0E2	EXV-6.0E2	EXV-8.0E2	EXV-10.0E2
Control box	Unit					
Dimensions (HxLxD)	mm	291 x 327 x 127				
Weight	kg	3				
Power supply	-	1~230 V 50 Hz				
Max. current at fan outputs	A	3.5				

Reducer box	Unit					
Dimensions (HxLxD)	mm	431 x 199 x 103				
Weight	kg	2.7			4.5	
Pipe diameter (liquid line)	inches	3/8				

COMPATIBILITY TABLE FOR AHU KITS WITH OUTDOOR UNITS

Part number of DX KIT	Outdoor units	Mode	DX battery power (kW) Min	DX battery power (kW) Name	DX battery power (kW) Max	DX battery capacity (L) Min	DX battery capacity (L) Max	DX battery capacity (L) Max Outdoor unit X-Premium only	Airflows (m³/h) Min	Airflows (m³/h) Max
EXV-4.0E2	RAS-4XH(V)NP1E	cooling Heating	8.0 9.0	10.0 11.2	11.2 12.5	1.51	2.37	4.56	1200	2160
EXV-5.0E2	RAS-5XH(V)NP1E	cooling Heating	10.0 11.2	12.5 14.0	14.0 16.0	1.92	2.37	4.56	1380	2490
EXV-6.0E2	RAS-6XH(V)NP1E	cooling Heating	11.2 12.8	14.0 16.0	16.0 18.0	1.92	2.92	5.11	1500	2550
EXV-8.0E2	RAS-8XHNPE	cooling Heating	16.0 17.9	20.0 22.4	22.4 25.0	2.92	3.89	6.93	3540	4680
EXV-10.0E2	RAS-10XHNPE	cooling Heating	20.0 22.4	25.0 28.0	28.0 31.5	3.89	4.76	10.73	4080	5340

The capacity of the heat exchanger must match the specified rated capacity of each DX KIT under the following temperature conditions. Failure to comply with the heat exchanger's capacity can result in a system malfunction. Data applies under the following conditions:

Rated conditions	Heating mode	Rated conditions	Cooling mode
T° of DX battery air inlet	20°C(DB)	T° of DX battery air inlet	27°C(DB)/19°C(WB)
T° outside	7°C(DB)/6°C(WB)	T° outside	35°C(DB)
DX battery condensation temperature	40°C ~ 45°C	DX battery evaporation temperature	6°C
DX battery cooling temperature	3°C	DX battery heating temperature	5°C

(DB): dry bulb - (WB): wet bulb

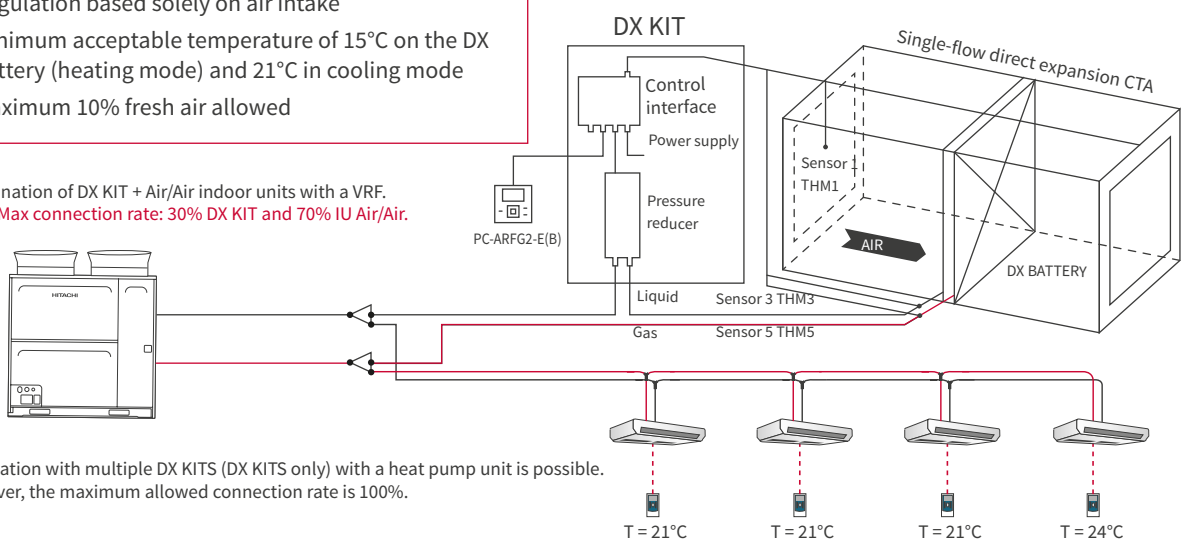
DX Kit + heat pump combination (Set free mini/air365 Max (Pro)

Single-flow CTA configuration with 100% recirculated air (10% fresh air allowed)

Applicable criteria:

- ✓ Regulation based solely on air intake
- ✓ Minimum acceptable temperature of 15°C on the DX battery (heating mode) and 21°C in cooling mode
- ✓ Maximum 10% fresh air allowed

1. Combination of DX KIT + Air/Air indoor units with a VRF. 100% Max connection rate: 30% DX KIT and 70% IU Air/Air.



2. Installation with multiple DX KITS (DX KITS only) with a heat pump unit is possible. However, the maximum allowed connection rate is 100%.

3. Installation of single-split heat pump + DX KIT is prohibited.

Outdoor units specific to DX Kit

Model	Unit	RAS-4XH(V)NP1E	RAS-5XH(V)NP1E	RAS-6XH(V)NP1E	RAS-8XHNPE	RAS-10XHNPE
Performance, cooling						
Capacity, cooling (min-max)	kW	10.00 (4.50-11.20)	12.50 (5.70-14.00)	14.00 (6.00-16.00)	20.00 (8.00-22.40)	25.00 (10.00-28.00)
Absorbed capacity cooling	kW	1.99	3.11	3.94	5.36	7.88
EER	-	4.68	3.81	3.41	3.56	3.07
Operating ranges Cooling outdoor unit	°C	-5 /+46				
Seasonal energy efficiency coldΠs, c single/Tri	%	-	**332% / 335%**	**317% / 314%**	**284%**	**275%**
Performance, heating						
Capacity Heating (min-max)	kW	11.20 (5.00-14.00)	14.00 (5.00-18.00)	16.00 (5.00-20.00)	22.40 (6.30-28.00)	28.00 (8.00-35.00)
Absorbed capacity heating	kW	2.02	2.91	3.61	5.06	7.03
COP	-	5.16	4.55	4.23	4.21	3.84
Operating ranges Heating outdoor unit	-	-20 /+15				
Seasonal energy efficiency heating Πs, c single/Tri	%	-	**204%**	**202%**	**181%**	**172%**
Technical characteristics						
Airflow (cooling)	m^3/h	4,800	5,400	6,000	7,620	8,040
Noise level in Cooling mode (night-time pressure)	dB(A)	47 (43)	48 (44)	48 (45)	57 (55)	58 (56)
Noise level in Heating mode	dB(A)	49	50		59	58 (56)
Sound power	dB(A)	63	64	65	76	
Net weight	kg	103			136	138
Dimensions (HxLxD)	mm	1380 x 950 x 370				
Compressor	-	Scroll Inverter				
Cooling features outdoor unit						
Pipe diameter (liquid/gas)		Ø 9.52 (3/8) / Ø15.88 (5/8)	Ø 9.52 (3/8) / Ø15.88 (5/8)	Ø 9.52 (3/8) / Ø15.88 (5/8)	Ø 9.52 (3/8) / Ø 25.4	Ø12.70 (1/2) / Ø25.4
Min. pipe length	m	5				
Max. length without additional load	m	30				
Initial refrigerant fill	kg	4.1	4.2		5.3	6
Additional load	Kg	calculated based on the method indicated in the installation technical documentation(1)				
Max. pipe length (additional refrigerant load required)	m	75			100	
Reducer installation	-	5 m MAX of DX battery				
Max. drop (outdoor unit above/below)	m	30 / 20				
Refrigerant	-	R410A				
Technical characteristics						
Power supply	-	3N ~ 400V 50 Hz (1 ~ 230V 50 Hz) + Neutral			3N + 400V + 50 Hz + TAW-190RHD	
Maximum current	A	14.0 (30.5)		16.0 (30.5)	24.0	
Cable section (EN 60 335-1)	mm^2	5 x 2.5 (3 x 6.0)			5 x 6.0	

(1) The values of "Additional refrigerant refill needed" are determined on a case by case basis. To find out these values, see the "DX interface refrigerant refill and max. pipe lengths" section listed in the Technical Catalog. An Excel file is available to make this calculation (available from your HITACHI contact).

Outdoor units 8 & 10 hp

Outdoor unit 8 HP

- Gas line: 1" → Brazing
- Liquid line: 3/8"

Outdoor unit 10 HP

- Gas line: 1" → Brazing
- Liquid line: 1/2" → (reduction 1/2" to 3/8" : not sold by HITACHI).

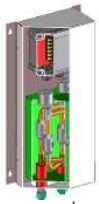




Control box



Pressure reducer box 4-6 hp



Pressure reducer housing 8-10 hp (includes double pressure reducer)


HITACHI

"Individual" wired remote controls



PC-ARFG2-E(B)
PC-ARFG3-E(B)



PC-ARC-E

Centralized solutions



airCloud Pro



CSNET Manager 2
CSNET Lite



Remote control panel

Communication



Control gateway for commercial equipment
PC-AIO2



GTC gateways
Modbus / KNX / BACNET

Control solutions overview

Individual remote controls

Fully wired



PC-ARFG2-E
PC-ARFG3-E
(version R32)



PC-ARFG2-EB
PC-ARFG3-EB
(version R32)

General functions:
- Master-slave control of 1 to 16 indoor units,
- High-quality color display,
- Intuitive interface,
- Integrated room sensor,
- Energy consumption graph,
- History of error codes,
- Hotel mode (quick reset, simplified access to settings).

The advantages of this range of controllers:
- Black Design,
- NFC wireless function + dedicated app (airCloud Tap): collect and send information to the remote control using your smartphone (programming, optional functions, operating settings, etc.).
- The PC-ARFG3-E(B) controllers are designed for the future heat pump R32 range and incorporate safety features to ensure that the installation complies with regulations (audible and visual alarm integrated into the controller).

Ideal for maximum flexibility in all public service applications.

Simple wired system

NEW



PC-ARC-E

Functions:
- Manage 1 to 16 indoor units as masters and/or,
- Simplified access to essential functions,
- Configuring optional settings,
- Adjustable setting to +/-0.5°C,
- Non-freeze function
- Compatible with airCloud Tap application **(NFC function)**.

Ideal for hotels, shops, when simplicity is key.

Infrared



PC-AWR

IR receiver	Compatibility with indoor units	
Include with the unit	Wall	RPK-FSRM / RPK- FSNHM
PC-ALHC1 PC-ALH3 PC-ALHD1	4-way 600x600 cassette 4-way 800x800 cassette 2-way cassette	RCIM RCI RCD
PC-ALHZ1 (external)	Cassette, ducted, wall-mounted, ceiling-mounted, console	RCIM, RCI, RCD RPIL, RPI, RPIH RPK, RPF
PC-ALHP1	Ceiling unit	RPC

Functions:
- Control of 1 to 16 indoor units en master and/or slave,
- Simplified access to essential functions,
- Works with an infrared receiver.

Ideal for renovations.

Centralized remote control

Centralized, touch-sensitive

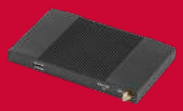


PSC-A32MN

Manage up to 160 indoor units:
- **PSC-A32MN** > jUp to 32 groups of 16 indoor units within the limit of 160,
- Up to 8 touch controls via H-Link bus,
- 5'' color touchscreen (PSC-A32MN,
- Up to 100 programmable alarms,
- Available contacts: start/stop, error report, function,
- Offload function,
- On the PSC 6RAD, max. 16 units allowed.

Ideal for monitoring small and medium-sized systems.

Central controls

	airCloud Pro (HC-IOTGW)	CSNET Lite	CSNET Manager 2	
				
Range	Cloud	Web	Web without screen	Web with screen
User interface	Screenless interface, accessed via a web application on a PC/tablet. iOS and Android mobile apps also available.	Interface without screen, access to data via PC, tablet, or smartphone (Ethernet).	Screenless interface, data access via PC, tablet, smartphone (Ethernet), or with an external screen (HDMI port).	Interface with 10" or 15" screen, also accessible via PC, tablet, or smartphone on a local or remote network (Ethernet).
H-Link gateway	Integrated, direct connection to H-LINK	Integrated, direct connection to H-LINK	HC-A64NET	
Compatibility	**H-Link* units:** Heat pump / IVX Prime, Utopia Prime, RAC indoor units (with adapter and connected to at least a heat pump system), Primairy (with adapter)	**H-Link units:** Heat pump & IVX Prime, Utopia Prime, Hydrofree, Yutaki (from 2016 version onwards), airH20 600/800, Yutaki cascade controller, RAC indoor units (with adapter), Primairy (with adapter)		
Functions	• Control of heat pump, IVX, and Utopia units (H-Link unit), • Simple control of units with web or mobile applications, • Alarm notification and alarm history available for remote maintenance. • Consumption monitoring**	• Same features as CSNET Manager, applied to small or medium-sized systems. • Management of up to 64 indoor units.	• Version 2.2 of the software: • New Eco actions and energy consumption limitation via dry contact • Improved display of energy consumption with consumption per treated area • integration of Auto modes into time programming • New Modbus table for air-to-air and air-to-water units, etc. • Control of heat pump + air/water heat pump units (H-Link systems), • Multi-tenant access with specific rights/privileges for different functions or indoor unit control, • Advanced control functions (Comfort, Interlock, etc.), • Multi-tenant facilities, flexibility for office applications, • Energy metering of heat pump units + third-party systems, • Using dry input/output contacts on IUs or CSNET Lite, • Connection to the BMS system (Modbus, BACnet, or KNX).	
Applications	Small to large installations (unlimited number of units per user interface using multiple gateways)	Small and medium-size systems (64 units per user interface)	Medium and large installations (1024 units per user interface)	

* airCloud Pro is not compatible with the following ranges: Yutaki, Yutaki cascade controller, Hydrofree

** Feature only available on current (air365Max / Max Pro) and previous (heat pump Sigma / FSXN) heat pump outdoor units.

BMS gateways

MODBUS interface



HC-A16MB
HC-A64MB

- Up to 16/64 indoor units per gateway,
- Management of optional functions, reading of external group parameters.

KNX and BACNET interface

NEW

HI-AC-MGW-16/HI-AC-MGW-64
Availability June 2026

- Up to 16/64 indoor units per gateway,
- Compatible with the heating range (Yutaki, airH2O, Hydrofree, Yutampo) and the RAC range (via PSC-6RAD and SPX-RAMHLK),
- BACNET and KNX included in the same gateway,
- Passerelles compatible with le CSNET Manager.

Control gateway
for commercial equipment



PC-AIO2

- Control interface dedicated to air handling units,
- Control of fan operation by dry contact, pulse, or signal (0-10V, 0-5V, 4-20mA),
- Control from the Hitachi wired controller.
- Gateway compatible with CSNET Manager

Individual remote controls
Selection guide

Model		Fully wired PC-ARFG2-E (blanc) PC-ARFG2-EB (noir) PC-ARFG3-E (blanc "R32") PC-ARFG3-EB (noir "R32") 	Simple wired system PC-ARC-E 	Infrared PC-AWR 
Selection	Max. number of indoor units per remote control	1 to 16	1 to 16	1 to 16
	Type of master/slave connection	Non-polarized bus	Non-polarized bus	Non-polarized bus
Main functions	Language	●	-	-
	Start/Stop	●	●	●
	Function mode selection	●	●	●
	Auto Heating/Cooling mode	●(1)	●(1)	●(1)
	Dehumidification mode	●	●	●
	Control selection	●(2)	●(2)	●(2)
	Adjust control to +/-0.5°C	●	●	-
	Regulating the fan speed	●(3)	●(3)	●(3)
	Adjust the position of the fan blower blades	●	●	●
	Individually adjust the position of the fan blower blades	●	●	-
	Weekly timer	●	●	-
	Timer	●	-	●
	Holiday mode	●	-	-
	ECO mode	●	●	-
	Auto-restart after a power outage	●	●	-
	Visual and audible alarms (R32 system)	●(4)	-	-
	Integrated ambiance sensor	●	●	-
Advanced management features	Lock function mode	●	●	-
	Lock the setpoint temperature ranges	●	●	-
	Lock the remote control buttons with the exception of Start/Stop	●	●	-
	Stop the fan in Thermo OFF Heat mode	●	●	-
	Stop the fan in Thermo OFF Cooling mode	●	●	-
	Select the control sensor	●	●	-
	Reduces at night (outdoor unit at low noise level)	●	-	-
	Set Back (non-freeze): reduces in Heating mode or in Cooling mode	●	●	-
	GENTLE COOL (summer comfort): limit the Temp° of the fan blower in Cooling mode	●	●	-
	Auto Boost: rapid rise in temperature at startup	●	●	-
	Manage the motion sensor	●	-	-
	Adjust the temperature differential in Heating mode	●	●	-
	Show ambient temperature	●	●	-
	Show outside temperature	●	-	-
	View the energy consumption of the outdoor unit	●	-	-
	Offload (auto or by zone)	●	-	-
	Hotel mode	●	-	-
	FloorSense and FeetWarm management (uniform room temperature)	●	-	-
	CrowdSense mode management (room activity analysis)	●	-	-
	Offload (auto or by zone)	●	-	-
Advanced maintenance features	Fault code history (up to 30)	●	●	-
	After-sales contact details	●	-	-
	Information: defrost in progress	●	●	-
	Information: filter needs cleaning	●	-	-
	Self-test indoor unit and remote control electronic boards	●	-	-
	Check mode (view system parameters)	●	●	-
	Test Run mode	●	●	-
	Setting optional features	●	●	-
	airCloud TAP app and NFC function	●	●	-

(1) Best used with 3-pipe VRF. (2) From 19°C to 30°C in Cool mode / from 17°C to 30°C in Heat mode. (3) Up to 5 depending on the type of indoor unit. (4) Only for PC-ARFG3-E(B).

Redundancy & backup: Guaranteed continuity and performance



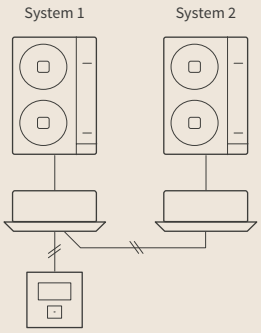
Why choose redundancy?

This feature is ideal for server rooms or sensitive areas.

The remote controls **PC-ARFG2-E(B) and PC-ARFG3-E(B)** can manage **up to 4 chilling systems** (4 outdoor units and a maximum total of 16 indoor units). There may be between **1 and 3 systems functioning** (and therefore between **1 and 3 on standby**). In this configuration, a single remote control manages the entire installation.

Concept with two systems

(valid for up to 4 refrigeration systems*)



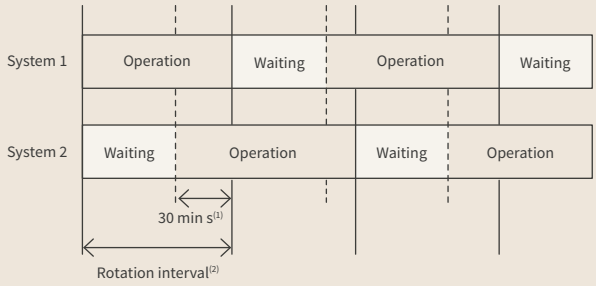
* compatible with heat pump and Utopia Prime

Rotation function

Optimize the performance and reliability of your air conditioning systems with **this smart rotation function**. It automatically alternates the operation of the units to balance their usage time, reduce wear and tear, and extend the life of the equipment.

Advantages:

- ✓ Even distribution of operations between systems
- ✓ Reduced risk of failure
- ✓ Configurable rotation interval (9 hours to 96 hours)
- ✓ Flexible management of 2 to 4 systems with backup option
- ✓ Rotation procedure:



The number of systems in operation can be configured as follows:

- a maximum of 4 systems,
- between 1 and 3 systems in operation and the remaining systems are in backup mode.
- Example for 3 systems: 1 system in operation and 2 in backup mode, or 2 systems in operation and 1 in backup mode

(1) To ensure an optimum transition between systems and avoid disrupting room control, the standby system starts up 30 minutes before the scheduled switchover time.

(2) Choose between "9 hrs" (default), "24 hrs," "48 hrs," "72 hrs," and "96 hrs."

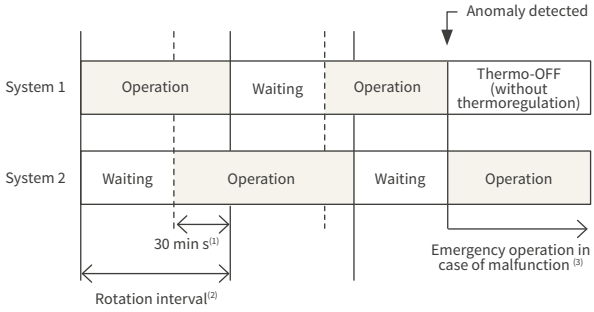
Backup function

Assure **optimum service continuity** with the integrated backup function.

In the event of a fault, standby systems automatically take over to maintain operation and prevent any interruption.

Advantages:

- ✓ Enhanced safety in the event of a breakdown
- ✓ Automatic switching of standby units
- ✓ Return to normal rotation once the anomaly has been resolved
- ✓ Guaranteed reliability for your critical installations
- ✓ Rotation operation in case of anomaly:



(1) To ensure an optimum transition between systems and avoid disrupting room control, the standby system starts up 30 minutes before the scheduled switchover time.

(2) Choose between "9 hrs" (default), "24 hrs," "48 hrs," "72 hrs," and "96 hrs."

(3) When the anomaly is resolved, the system returns to normal rotation mode..

Did you know?

This feature is also available on CSNET Manager and CSNET Lite, with more flexibility and settings options.

air**Point** Room 700

NFC Design Color Controller



PC-ARFG2-E
PC-ARFG3-E
(dedicated to air365Max R32)



PC-ARFG2-EB
PC-ARFG3-EB
(dedicated to air365Max R32)

Design, colors, ergonomics, connectivity to go even further!

3 awards for design and ease of use,

1 color for each mode (heating, cooling, ventilation, Auto, dehumidifying),

COOLING → VENTILATION → AUTO → DEHUMIDIFICATION → Heating

NFC function & airCloud Tap app: interaction with the remote control via a smartphone (fault codes, optional functions, weekly programming).



Unrivaled user-friendly controller

reddot winner 2021

DESIGN AWARD 2020

EUROPEAN PRODUCT DESIGN AWARD



For the end customer:

✓ Consumption display,
✓ Weekly programming,
✓ Hotel mode (simplified access to functions).

For the installer:

✓ Simplified commissioning (test mode),
✓ Detailed error codes,
✓ Detailed explanation of optional features.

Hitachi helps you save energy!

Auto-save:

Stop the indoor unit from operating if the room is unoccupied.

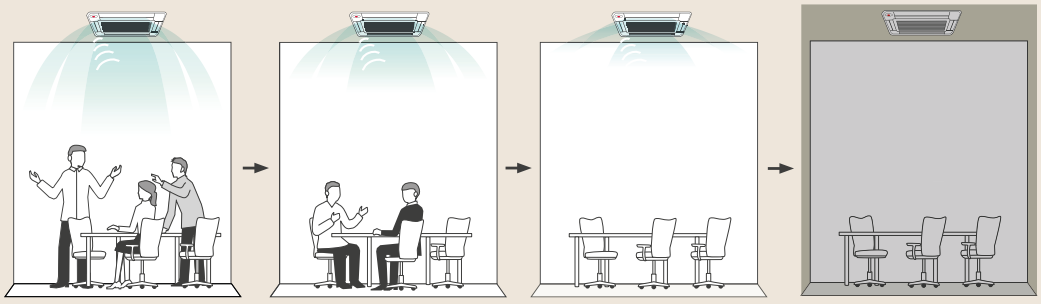
Eco mode:

3 energy-saving levels applied continuously or according to a weekly schedule.

Hotel mode:

ON/OFF depending on the presence of the occupant (via key card contact).

Zoom in on the Auto-save function associated with a presence sensor:



FULL CAPACITY → REDUCED → ADDITIONAL REDUCTION → COMPLETE STOP

Consume intelligently !

Eco-Compact remote control (PC-ARC-E)

NEW

Optimize thermal comfort with a compact and smart design.

- ✓ Specially designed for commercial projects, the PC-ARC-E remote control combines elegance and energy efficiency for simple and effective thermal comfort management.
- ✓ A sleek design, true to Hitachi's vision.

Designed for:

- Users seeking simplicity.
- Seamless integration into functional spaces, thanks to its elegant and intuitive design.

A stylish and intuitive remote control

With its curved lines and aesthetic design, the Eco-Compact remote control is elegant, ergonomic, and practical.

Enjoy simplified navigation thanks to an optimized interface and clear icons, for a smooth and intuitive user experience.



Thanks to NFC technology and the airCloud Tap mobile app, setup is simple and intuitive: just one tap is all it takes to save, copy, and transfer settings to the Eco-Compact remote control.

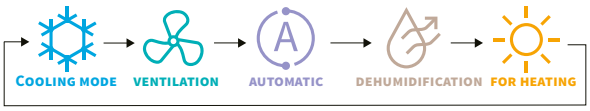


Quick access to essential functions

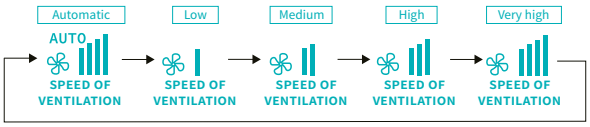
Simplified navigation allows users to set the temperature and adjust key functions directly from the home screen with a single touch.



Temperature adjustment with an accuracy of 0.5°C*



Operating modes



Ventilation speed



Louvre positions

Greater ease of maintenance

The filter symbol appears when it is time to clean the filter. In the event of an error, the error code and the number of the affected indoor unit are clearly displayed to facilitate maintenance.



1. Alarm icon
2. Indoor unit number
3. (refrigeration circuit)
4. Alarm code

Specific functions

For private individuals: activate the Night mode (**NEW**) to gradually lower the room temperature and to promote restful sleep. The unit automatically turns off after a set period of time.

For hotels: Interconnecte the remote control Eco-Compact with the hotel key card reader and activate standby temperature when the guest is absent.

Energy-saving features

Thanks to its energy-saving features, the Eco-Compact remote control contributes to responsible thermal comfort management.

The **Peak-Cut** function allows for even greater reductions in consumption during periods of high energy demand.

ON
OFF

The weekly schedule automatically turns the indoor unit on or off at set times, ideal for classrooms, shops, or any space with regular hours.

Greater comfort

Low Medium High

GentleCool: Controls the temperature of the air blown out for gentle cooling without cold drafts.

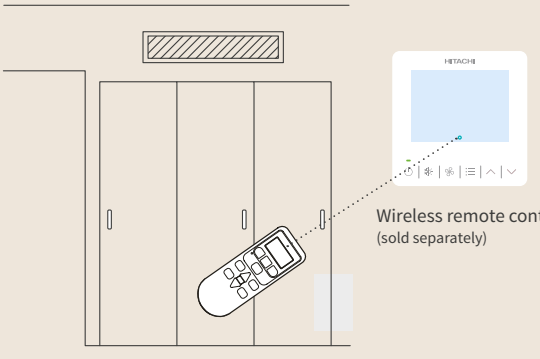
AUTO

AutoBoost: Activated for 30 minutes each time the system starts up, this powerful automatic mode allows you to quickly reach the desired temperature, ideal for meeting rooms or spaces requiring rapid temperature increase.

Integrated infrared receiver

NEW

Can be used with a wireless remote control.
Perfect for indoor units without a built-in IR receiver (e.g., ducted units)

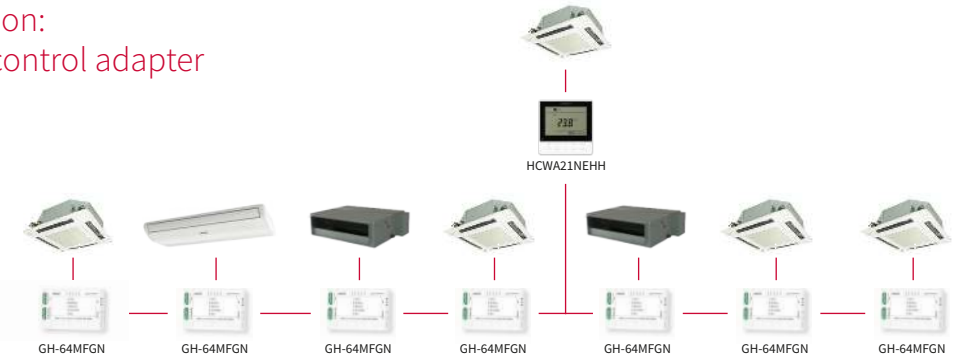


Wireless remote control
(sold separately)

When the infrared receiver receives a command, an audible signal is emitted.
*Compatible with the PC-AWR remote control

Primairy R32 Control Solutions

Group control function: GH-64MFGN group control adapter





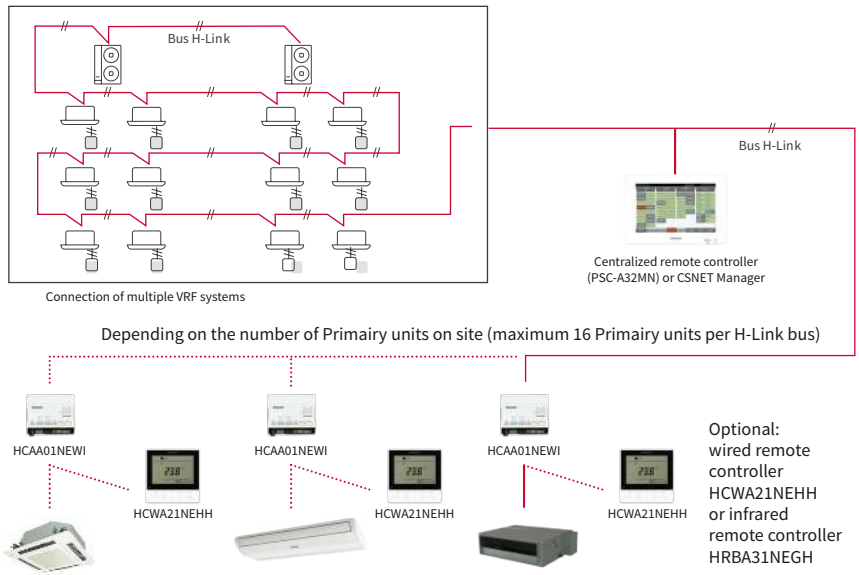
Model: **GH-64MFGN**

Functions:

- Up to 8 indoor units can be controlled via an HCWA21NEHH remote controller.
- 1 x GH-64MFGN adapter is required for N–1 indoor units.
- All units operate in the same mode and follow the same set temperature.
- The connection between the indoor unit and the HDBA21NEWH adapter is made using an RS485 bus.

H-Link Adapter for the Primairy Range: HCAA01NEWI Gateway

The HCAA01NEWI gateway allows the Primairy range to be compatible with centralized VRF controllers, the CSNET Manager, as well as BMS gateways.



Functions:

- **Compatibility* with centralized VRF controls:** airCloud Pro, CSNET Manager, CSNET Lite, PSC-A32MN, or PSC-A64GT.
- **Compatibility* with VRF BMS gateways:** centralized **Modbus, BACnet, or KNX** gateways can be connected directly to the H-LINK output.
- One H-Link gateway per indoor unit is required, with a maximum of 16 units per H-LINK bus. Multiple H-Link buses can be combined on the CSNET Manager to increase the number of connectable indoor units.
- Each unit can be controlled individually; communication is bidirectional (setpoint and mode).

The PRIMAIRY range offers a complete BMS solution

✓ The **GH-64MFGN** adapter is versatile: With a dedicated setting, it can be switched into a Modbus or BACnet gateway (1 adapter per indoor unit), making the Primairy range BMS-compatible.

✓ The **AZAI6KNXHT3** gateway enables compatibility with the KNX protocol (1 per indoor unit).



Model: **GH-64MFGN**

Model: **AZAI6KNXHT2**

*This solution requires activating a loop resistor on the bus.
When the PRIMAIRY range is combined with the VRF range, the resistor must be activated on the VRF outdoor unit.

Zoom on airCloud TAP

Reduces the time required for commissioning and maintenance of heat pump systems.

Easy navigation and efficient data entry thanks to airCloud Tap.
The application allows information to be collected and sent to the controller via a smartphone. Simply place the mobile device near the compatible controller to instantly transfer settings via NFC (Near-Field Communication) technology.

Quick and easy to learn!

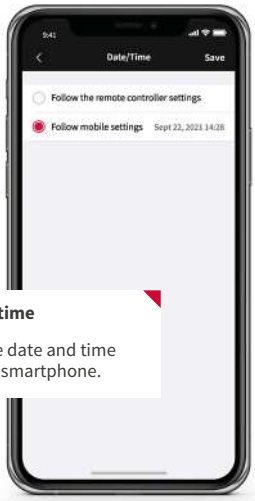
- ✓ Optimized user experience,
- ✓ Fast for navigating parameters and entering data,
- ✓ Copy and paste settings to multiple controllers from your phone or tablet; ideal for identical configurations in multiple rooms.

Compatibility guaranteed!

- ✓ Works with the latest Hitachi controllers (PC-ARFG2-E, PC-ARFG2-EB
- ✓ Compatible with the majority of NFC smartphones on the market,
- ✓ Simple technology that requires no pairing.

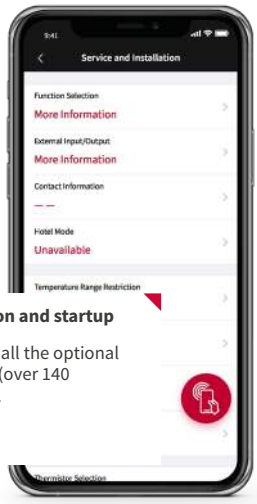
The comfort of a mobile application!

- ✓ Easy access to over 140 parameters and functions,
- ✓ Full descriptions of each parameter, so no need for you to consult additional documentation,
- ✓ No need to be connected to the Internet to read and write data.



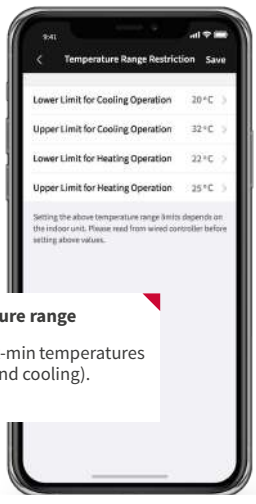
Date and time

Import the date and time from your smartphone.



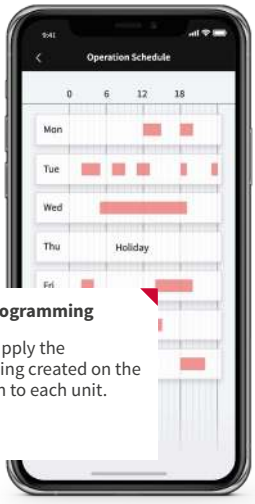
Installation and startup

Configure all the optional functions (over 140 available).



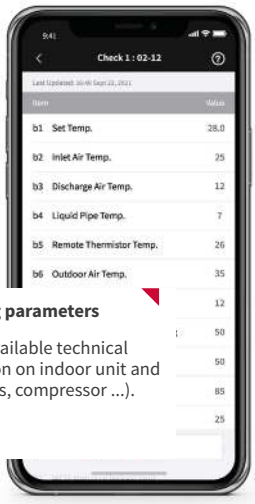
Temperature range

Apply max-min temperatures (heating and cooling).



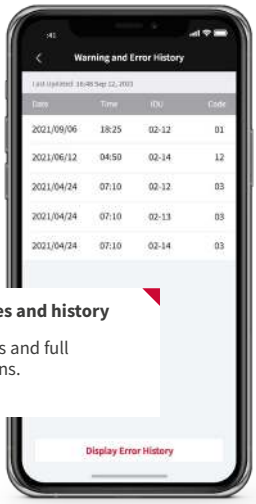
Weekly programming

View and apply the programming created on the application to each unit.



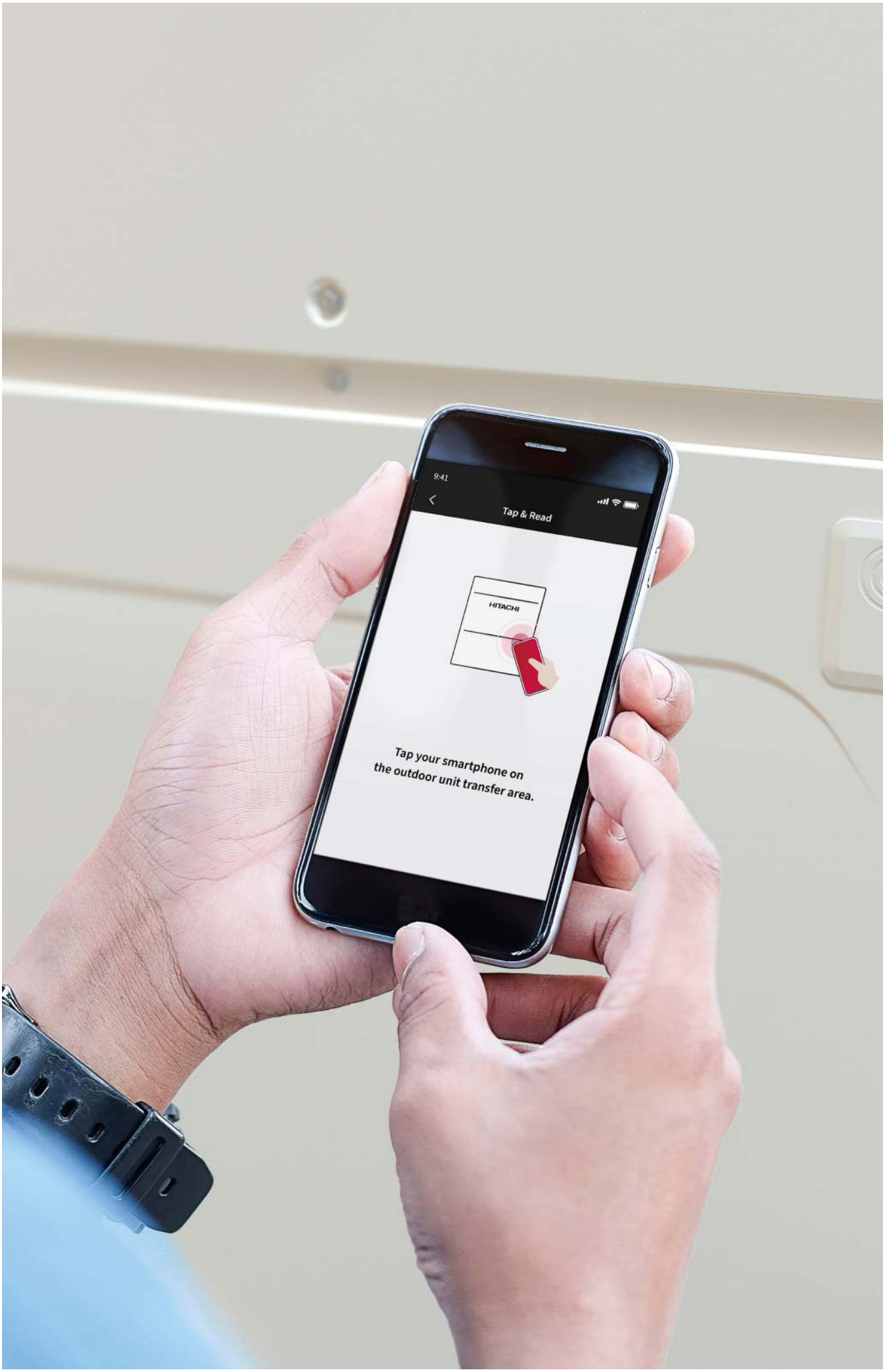
Operating parameters

View all available technical information on indoor unit and OU (probes, compressor ...).



Fault codes and history

View errors and full descriptions.


9:41
Tap & Read
HITACHI
Tap your smartphone on
the outdoor unit transfer area.

Centralized commands
Selection guide

Model		airCloud Pro	CSNET Lite	CSNET Manager 2	PSC-A32MN
Compatibility	Compatible ranges	UTOPIA and IVX PRIME, PRIMAIRY (with adapter), heat pump, DX kit, KPI, RAC units (with an adapter and combined with a heat pump system)	Yutaki (after 2016), airH20 600/800, Cascade Yutaki, Hydrofree, DX kit, KPI, RAC, heat pump, UTOPIA, and IVX PRIME		UTOPIA and IVX PRIME, PRIMAIRY (with adapter), heat pump, DX kit, KPI, RAC units (with adapter)
Technical data of the gateway or interface	Indoor unit per gateway	64 indoor units	64 indoor units	64 indoor units	32 zones*** for indoor units (max total indoor units: 160)
	Outdoor unit per gateway	16	64	64	32
	gateway per H-Link	1	1	1	8
	Max. amount of IDU per user interface	Unlimited (with multiple gateways)	64	1024	160
	Cloud access	●	-	-	-
	Web application	●	●	●	-
	Mobile app	●	-	-	-
Connectivity	Prime connectivity	Ethernet	Ethernet	Ethernet	-
	4G connectivity	To Ethernet with 4G box (not provided)	-	-	-
	gateway updated remotely online	●	●	●	-
System access	Main access	Cloud	Local	Local	Local
	Local setup access: can be used to control units in a backup solution if access to the server is no longer available	● limited features	●	●	●
	Remote access	●	●	●	-
	Type pf server	Cloud	Local web server	Local web server	-
	Internet connection	Mandatory	Possible	Possible	-
User and Site Management	Multi-user management	●	●	●	-
	User accounts with limited access to indoor units/functions	●	●	●	-
	Multi-site management	●	-	-	-
Basic functions	Basic indoor unit control	●	●	●	●
	Installation dashboard	●	●	●	-
	Weekly programming	●	-	-	-
	Annual programming	-	●	●	-
	Reset filter sign	●	-	-	●
	Alarm log	●	●	●	●
Advanced features	Min./max. setpoint temperature	-	●	●	●
	Outdoor unit power selection (manual, contact, or programmable)	-	●	●	●
	Cumulative operating time	●	-	-	●
	System status (data in progress for outdoor unit and indoor unit)	●	●	●	-
	Data archive	-	●	●	-
	Order log & direct data	-	●	●	-
	Electrical consumption readings for Hitachi indoor unit	● (estimate without meter ****)	via additional meter	via additional meter	-
	Breakdown of consumption by tenant	-	●	●	-
	Consumption readings Electrical third-party equipment	-	via additional meter	via additional meter	-
	Interlock (exclusive SI function ... ALORS)	-	●	●	-
	Comfort features (Gentle Cool, heat draft (winter comfort) SetBack (reduced heating/Cooling mode))	-	●	●	-
	Alarm notifications	●	●	●	-
	Local server management	-	●	●	-
	Access to operation and maintenance settings (OU & IU)	●	●	●	-
GTB/GTC connection	Input/output switches	-	●	-	●
	GTB connection (Modbus as standard - BACNET/KNX optional)	-	●	●	-
	Two-way compatibility with AIRZONE	-	●	●	-

* Class B, only available on current (air365Max / Max Pro) and previous (heat pump Sigma / FSXN) heat pump outdoor units.
** Class B, requires an additional energy meter
*** 1 zone means 1 remote control for multiple IUs (maximum 16 IUs per zone)
**** Function only available on current (air365Max / Max Pro) and previous (heat pump Sigma / FSXN) heat pump outdoor units.

Centralized Touchscreen commands
List of functions

Model		Centralized, touch-sensitive PSC-A32MN 
Compatibility	Compatible ranges	UTOPIA and IVX PRIME, PRIMARY (with adapter), heat pump, DX kit, KPI, RAC units (with adapter)
Selection		Control of **32 zones** each of which features a maximum of 16 indoor units (within the total limit of 160 indoor units). 1 zone = 1 remote control
		5” color touchscreen
		Up to 8 centralized controllers per H-Link bus
Main functions	Language	●
	Access levels	2 (user, professional)
	Define units (all indoor units connected on the same remote control)	●
	Define blocks (unit sets)	●
	Adjust the mode	● per indoor unit/group or block
	Dehumidification mode	●
	Control selection	● per indoor unit/group or block
	Adjust control to +/-0.5°C	-
	Choosing the fan speed	● per indoor unit/group or block
	Adjust the position of the fan blower blades	● per indoor unit/group or block
	Individually adjust the position of the fan blower blades	-
	Weekly timer	● (Up to 10 daily programs)
	Timer	-
	Vacation function (exception to usual programming)	-
	Filter indication (light on according to timer)	● per indoor unit
	ECO mode	-
Functions of advanced control systems	Lock remote control apart form the Start/Stop button	● per indoor unit/group or block
	Limit and lock setting ranges (in Heating mode / in Cooling mode)	● per indoor unit/unit or block – on PSC-A32MN only
	Reduces at night (outdoor unit at low noise level)	-
	Non-freeze function	-
	GENTLE COOL function (summer comfort)	-
	Adjust the temperature differential in Heating mode	-
	Auto Heating/Cooling mode	● per indoor unit/group or block
	View energy consumption	-
	View operating hours	● per indoor unit/group or block
	Offload	● (reduce the current peaks of the outdoor unit following a weekly schedule or using an external signal (contact on the central controller)
Advanced maintenance features	Error code log	● (up to 100: show error code, date and time of the failure, unit(s) affected
	After-sales contact details	●
	Reset Filter LED	● per indoor unit/group or block
	Set optional features (installer menu)	●

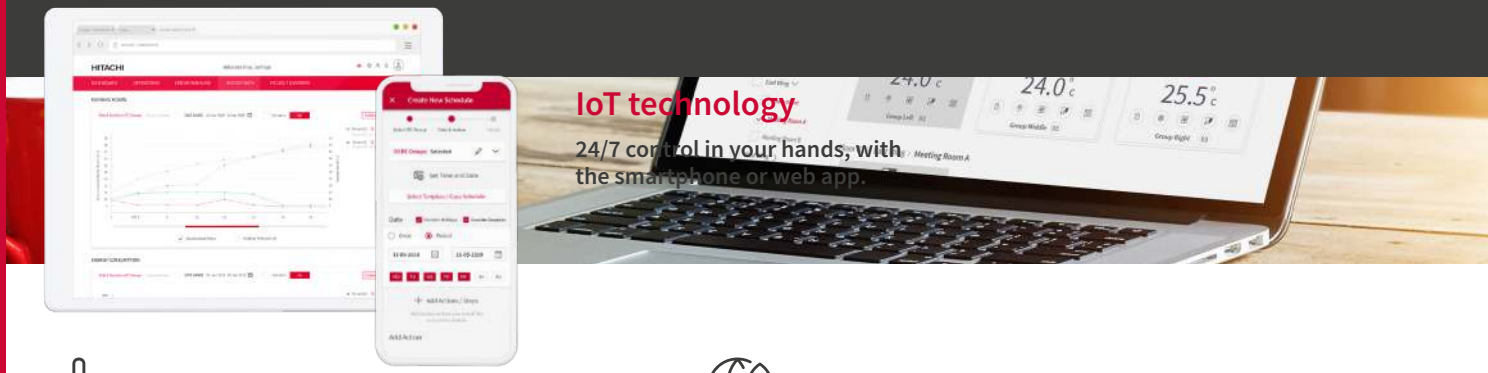
airCloud Pro

You're in control!



New Eco-GENIUS function: Reduce your energy costs!

The power consumption of a heat pump system depends on the load on the compressor. The ECO-GENIUS function of the airCloud Pro incorporates an algorithm that uses weather forecasts, building temperature, and setpoint to optimize consumption without compromising comfort.



IoT technology

24/7 control in your hands, with the smartphone or web app.

Make your life easier

- ✓ **Centralized control from anywhere:** Control either the entire VRF system or specific zones all at the touch of a button.
- ✓ **Easy problem solving:** Clear error code log, brief summary of the problem, and filter to be cleaned.
- ✓ **Smartphone alerts:** To report any serious malfunction.
- ✓ **Flexible user management:** Add an unlimited number of users.
- ✓ **Regularly updated and enhanced with new features,** airCloud Pro ensures you're always up to date.

Save more energy

- ✓ **Energy consumption data:** Visualize your electricity consumption using simple dashboards and graphs.
- ✓ **Individual locking of control devices:** Block any inappropriate use by occupants.

+ data security

- ✓ **The most stringent standards:** Protocol TLS v1.2, HTTPS 2038 encryption.
- ✓ **Limited amount of personal information requested:** Only your name, email address, and phone number are required to log in.

Plug & play system

- ✓ Thanks to automatic detection of indoor units, it takes just 15 minutes to connect your entire heat pump installation.

Create a pleasant climate

- ✓ **Easily adjust the temperature, fan speed, and operating modes** for absolute comfort and an ideal indoor climate throughout the building.
- ✓ **Built-in weather forecast display:** To help you define the most suitable conditions for different indoor spaces throughout the year.

Download on the App Store

GET IT ON Google Play

How airCloud Pro works



Compatible with the Utopia Prime, IVX Prime, Set free mini, heat pump Sigma, heat pump Centrifuge, PRIMAIRY (with adapter), RAC (with adapter and combined with a heat pump system) ranges.

- ✓ Connection capacity: 16 outdoor units and 64 indoor units.
- ✓ Internet connection required (Ethernet connection).

Functions airCloud Pro

		airCloud Pro (HC-IOTGW)
Compatibility	Compatible ranges *	UTOPIA and IVX PRIME, PRIMAIRY (with adapter), heat pump, DX kit, KPI, RAC units (with adapter and combined with a heat pump system)
gateway features	Indoor unit per gateway	64 indoor units
	Outdoor unit per gateway	16
	gateway per H-Link	1
	Max. amount of indoor units per user interface	Unlimited (with multiple gateways)
	Cloud access	●
	Web application	●
	Mobile app	●
Connectivity	Prime connectivity	Ethernet
	4G connectivity	-
	gateway updated remotely online	●
System access	Main access	Cloud
	Local setup access or emergency access if server access is down	● With limited features
	Remote access	●
	Type pf server	Cloud
	Internet connection mandatory	●
User and site management	Multi-user management	●
	User accounts with limited access to indoor units/functions	-
	Multi-site management	●
Functions	Basic indoor unit control	Start/Stop
		Heating/Cooling mode
		Setpoint temperature
		Ventilation speed
		Remote Control Lock
		Setup unit remote control
	Zone management	Create unlimited zones
	Installation dashboard	●
	Weekly programming	●
	Reset filter sign	●
	Alarm log	●
	Operating settings for IU & OU	●
	Alarm notifications	●
Languages	Languages available on the application	English, French, German, Italian, Portuguese, Spanish
Energy management	Monitoring of system consumption (without additional meter)	●**
	Cost and consumption optimization function (ECO GENIUS)	●

* Hydrofree is not compatible with airCloud Pro.
** Only available on current (air365Max / Max Pro) and previous (heat pump Sigma / FSXN) heat pump outdoor units.

Presentation of the CSNET Manager range



For medium and large installations
with integrated 10" or 15" screen

Centralized control interface

WEB VERSION WITH SCREEN



Refs. :
CSNET Manager 2T10 or 2T15 +
HC-A64NET gateway

Accessories
- Wall support
  Model: WALL SUPPORT 2
- Base
  Model: STAND SUPPORT

- Control **of up to 1,024 indoor units**: 1 to 64 indoor units per HC-64NET gateway and up to 16 gateways per CSNET.
- Comes with a 10" (2T10) or 15" (2T15) screen.
- **Compatible with** smartphones, tablets, PCs connected to a local area network or via the Internet.
- A real tool for:
  - Maintenance: email alerts, alarm log, historical data,
  - Management: of power consumption levels,
  - Remote consultation and management across multiple sites: Thanks to the web server function.
- Next-generation touchscreen for a more enjoyable user experience.
- Responsive and more intuitive user interface providing access to the same features regardless of the screen used.
- Wizard function for easier and faster commissioning.
- Master/slave operation of indoor units: No electrical wiring needed for a more flexible and less expensive installation.

Ideal for managing large installations with maximum comfort for operators and their maintenance teams.

For medium and large-sized facilities
Web display or HDMI screen to be provided by the customer

Centralized control interface

WEB VERSION WITHOUT A SCREEN



Refs. :
CSNET Manager SL
+ HC-A64NET Gateway

Accessory
Model: DIN Rail Support

- Control **of up to 1,024 indoor units**: 1 to 64 indoor units per HC-64NET gateway and up to 16 gateways per CSNET. (The HC-A64NET gateway can be replaced by the CSNET Lite).
- The installation can only be accessed and controlled via a smartphone, tablet, or PC connected to the local network or via the Internet.
- With the same features as CSNET Manager 2T10/2T15, this SL version is a web-based one.
- A more flexible installation featuring:
  - an Ethernet port,
  - 2 USB ports,
  - an HDMI port.

Ideal for managing large facilities.

For small and medium-sized facilities
without a screen (web display)

Centralized control interface

STANDALONE WEB VERSION



Model: CSNET Lite

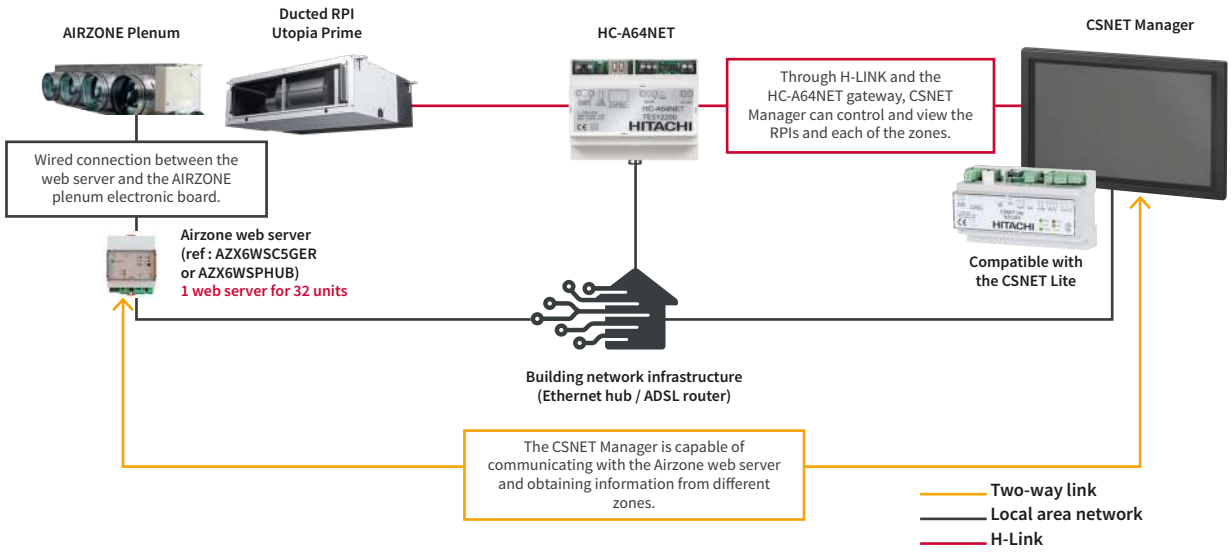
- Standalone gateway for controlling **up to 64 indoor units.**
- Compatible with smartphone, tablet, PC connected to a local area network or to the Internet.
- Has the limited features of CSNET Manager 2. For multi-site monitoring, CSNET Lite is compatible with CSNET Manager 2T10/2T15 and SL.

Ideal for managing small and medium-sized facilities.

EXCLUSIVE TO HITACHI

Airzone + CSNET Manager

An exclusive feature that is unique on the market:
The CSNET Manager integrates Airzone systems in an advanced way.



The CSNET Manager is capable of communicating with the AIRZONE plenum via the web server. You can therefore **view and control these plenum zones** from the CSNET Manager interface. :

- ✓ Each of the plenum zones is controllable (on/off, temperature).
- ✓ The standalone ducted RPI can also be controlled: only ON/OFF is possible, linked to the ON/OFF status of the AIRZONE system.

Energy monitoring functions are also available for each independent zone:

- ✓ **RPI :** Consumption is visible (energy and cost).
- ✓ **Individual zone :** An estimate of consumption is available, based on the ON/OFF status of the zone.



Selection guide to CSET centralized controls

Model		WEB version with touchscreen CSNET Manager 2T10/ 2T15 + HC-A64NET gateway 
Compatibility	Compatible ranges	UTOPIA and IVX PRIME, PRIMARY (with adapter), heat pump, DX kit, KPI, RAC units (with adapter)
Selection	Max. number of indoor units per H-Link gateway	Up to 64
	Max. number of indoor units	Up to 1,024
	Max. number of outdoor units (OG)	64 outdoor units per gateway
	Touchscreen	● 2T10(10")/2T15 (15")
	Web server	●
	Compatible user interfaces	Smartphone Tablet PC equipped with a Web browser
	Compatible BMS	● MODBUS interface included as standard KNX - BACNET via dedicated interfaces
Advanced management features	Number of user access levels	Unlimited
	Create monitoring zones (e.g multiples tenants)	●
	Track energy consumption	● 8 counters maximum
	Breakdown of energy consumption	●
	Offload	●
	Unlimited annual programming including holidays and vacations	●
	Annual calendar synchronized with Outlook	●
	Set the optional functions of indoor units	● with up-to-date HLINK interfaces (CSNET Lite v2.0 or HC-A64NET v2.0)
	Master/Slave management	●
	MODBUS compatibility included	●
	Interlock function (IFTTT concept)	●
	Hotel applications (window contact & lower settings)	●
Advanced display features	Integrate a site map	● (image format)
	Virtual individual remote control	● (manage, display ambient T)
Advanced comfort features	Set Back (non-freeze): reduces heating or Cooling mode (e.g. 23 hours to 5 hours)	●
	GENTLE COOL (summer comfort)	●
	Heat Draft (winter comfort)	●
	Offload	●
	Reduces noise (of outdoor unit)	●
Maintenance functions	Fault notification by email	●
	Operating log	2Gb
	Error log	6 months
	Emergency stop switch	-
	Error report switch	-
	Check mode (view system parameters)	●
	Cooling diagram showing technical data	●
	Wizard (setup assistant)	●

CSNET Manager 2: Advanced management tool

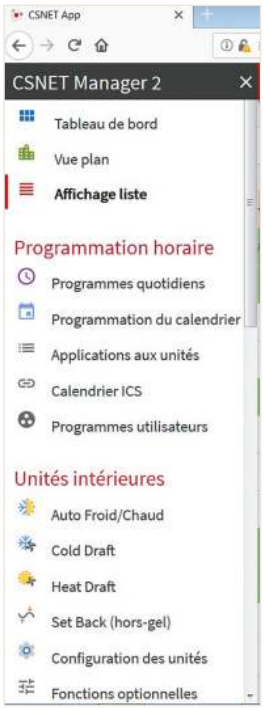


WEB version CSNET Manager 2 SL + HC-A64NET interface	Standalone WEB version CSNET LITE
	
UTOPIA and IVX PRIME, PRIMARY (with adapter), heat pump, DX kit, KPI, RAC units (with adapter)	
Up to 64	Up to 64
Up to 1,024	Up to 64
64 outdoor units per gateway	64 outdoor units per gateway
-	-
●	●
Smartphone Tablet PC equipped with a Web browser	Smartphone Tablet PC equipped with a Web browser
● MODBUS interface included as standard KNX - BACNET via dedicated interfaces	● MODBUS interface included as standard KNX - BACNET via dedicated interfaces
Unlimited	Unlimited
●	●
● 8 counters maximum	● 2 counters maximum
●	●
●	●
●	●
●	-
● with up-to-date HLINK interfaces (CSNET Lite v2.0 or HC-A64NET v2.0)	●
●	●
●	●
●	● (limited actions)
●	-
● (image format)	-
● (manage, display ambient T)	● (manage, display ambient T)
●	●
●	●
●	●
●	●
●	●
●	●
2Gb	256 Mb
6 months	6 months
-	●
-	●
●	●
●	●
●	●

CSNET Manager 2: Advanced management tool

New ergonomic user interface

A unique menu zone for more intuitive navigation



Menu

An intuitive dashboard: 3 available formats



Dashboard view



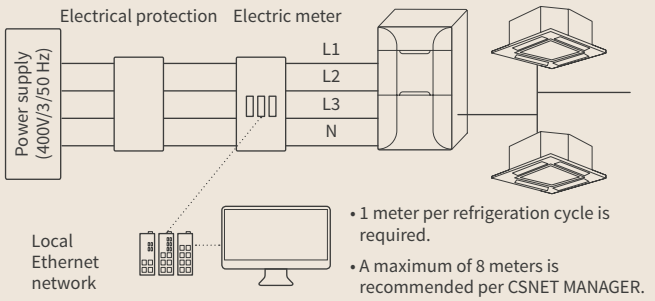
Icon view



List view

Track and control your consumption

To provide a **secure solution** to its customers, HITACHI has validated energy meters compatible with heat pump and CSNET MANAGER.
This feature, available as standard, makes it possible to **measurer, record and display power consumption** for all or part of the indoor units and outdoor units managed by CSNET.
This consumption will be displayed in kWh or in € (hourly energy cost to be provided by the customer).
This feature allows, in the case of multiple tenants, to **distribute** energy consumption **by user** and by usage (heating or cooling mode).



- 1 meter per refrigeration cycle is required.
- A maximum of 8 meters is recommended per CSNET MANAGER.
- Maximum of 2 meters per CSNET Lite.



Siemens 7KM2200: DIN rail format, MID, TCP/IP communication

Siemens 7KM3220: front line display, MID, TCP/IP communication



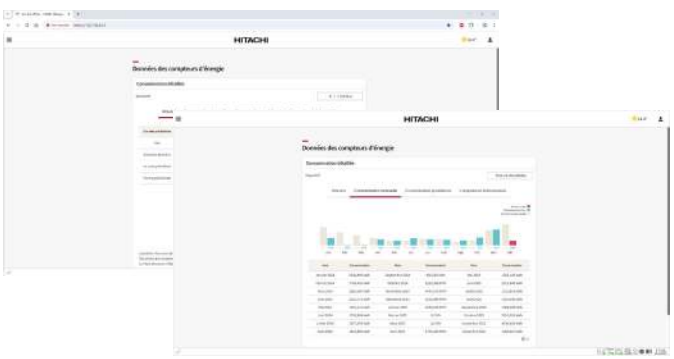
SOCOMEC Countis E17 & E18 (single-phase)E27 & E28 (three-phase)

Ideal for meeting the requirements of the commercial sector decree

It is possible to **create an alarm whenever consumption exceeds a certain limit** on:

- The complete system
- of a specific energy meter
- of a tenant
- of an indoor unit

When consumption exceeds the limit, an alarm appears on the dashboard associated with the profile. An alert email can be sent to the desired recipients.





Safety and automation: Discover the INTERLOCK function

The interlock function allows you to easily program a multitude of interlocking scenarios that can be used to provide automated security in industrial applications and server rooms.

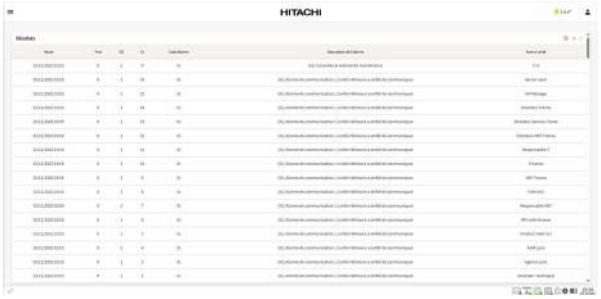
Example of use:
A backup air-conditioner in a server room can be started up automatically in the event of a temperature deviation, for example: ***if*** *(ambient temperature > 20°C)* ***then*** *(start unit no. 2 with a setpoint of 18°C.).*

Get alerted in the event of a failure

An email server can send an email alert if an error code appears on the system.

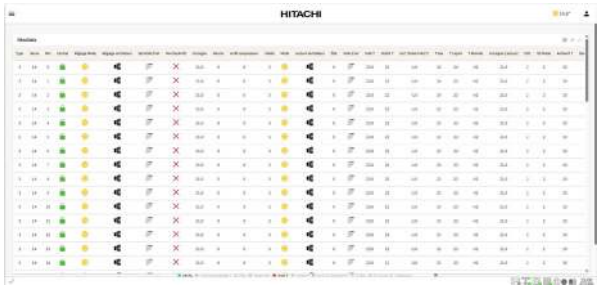


An alarm log is automatically generated by CSNET Manager 2 as soon as the first defect appears. This log can be exported at any time.



Have remotely accessible analytics tools via the WEB SERVER function for PC, tablet, or smartphone

Access the installation's operating log. These customized reports allow the user to plot graphics showing how selected parameters change and to issue accurate work reports.



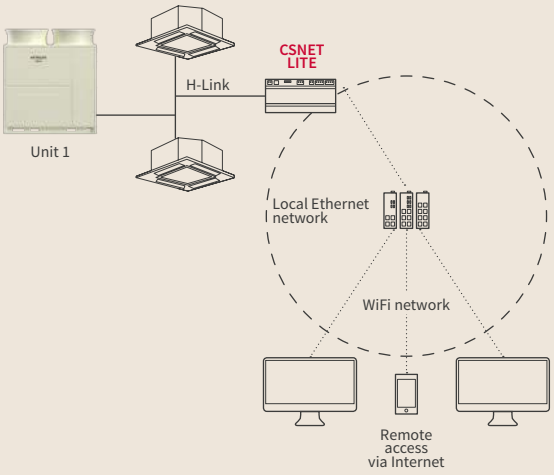
Address discomfort issues reported by customers and resolve them remotely by changing operating parameters.



Examples of architecture for CSNET Manager

CSNET LITE

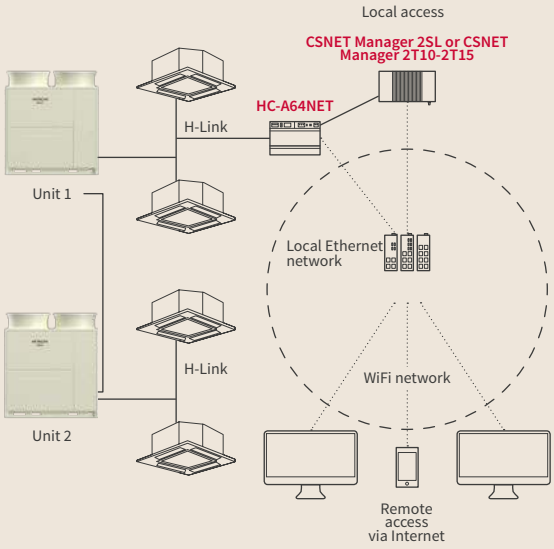
Example of the architecture of a small site (< 64 indoor units)



Site 1: Access to the local network with a**screenless interface**. Access from a computer, a smartphone on the same local network, or from the internet.

CSNET MANAGER 2

Example of the architecture of a medium-sized site (> 64 indoor units)

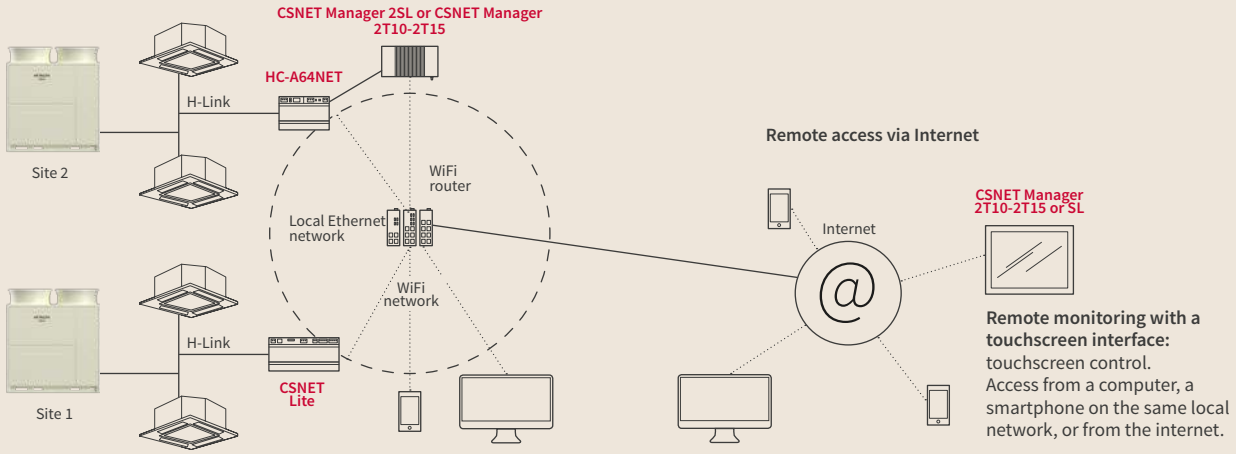


HC-A64NET > max. 64 indoor units
Up to (16x64) > 1024 managed indoor units

Site 2: Access to the local network with a display **interface (CSNET Manager 2T10 or 2T15) or without a display (CSNET Manager 2SL).** Access from a computer, a smartphone on the same local network, or from the internet.

Supervision of sites

Example of an architecture comprising two sites equipped with heat pumps, controlled by centralized CSNET controllers, and monitored remotely

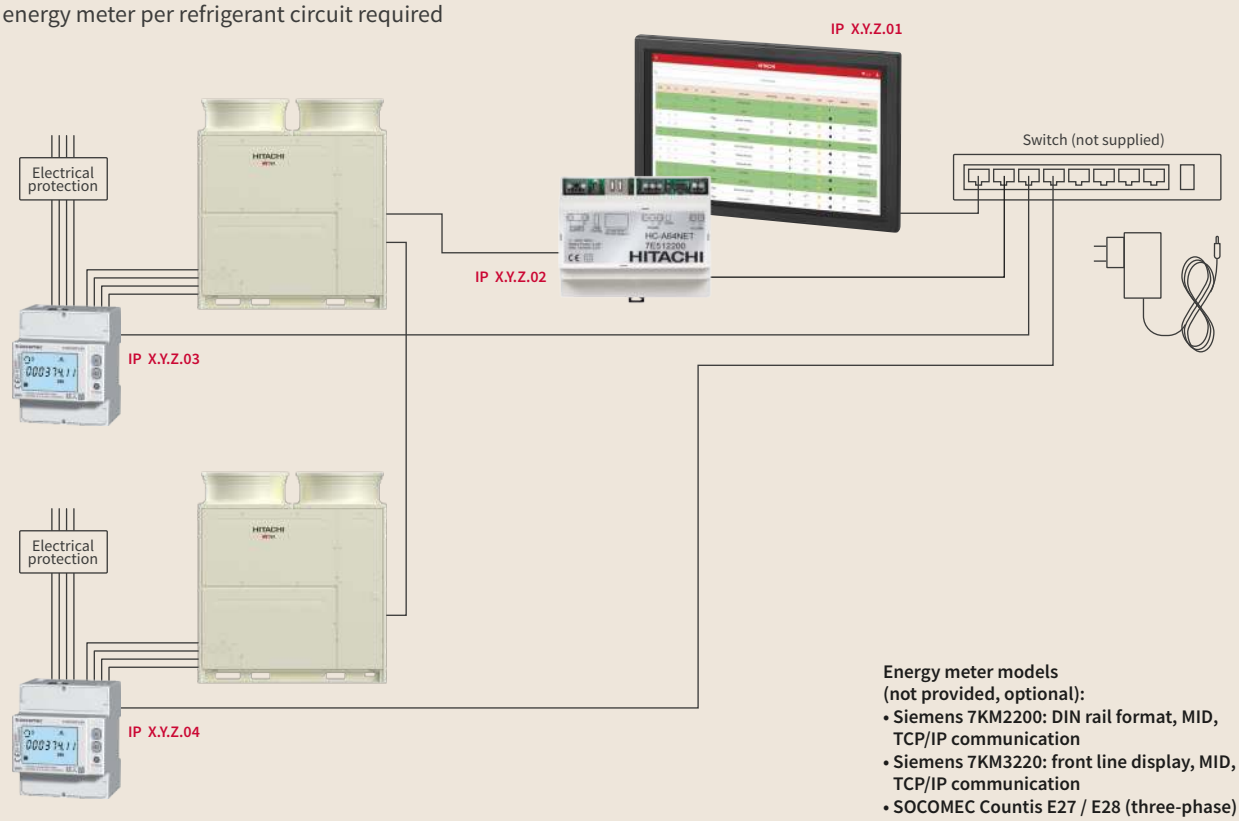


Remote monitoring with a touchscreen interface: touchscreen control. Access from a computer, a smartphone on the same local network, or from the internet.

Metering of energy with CSNET MANAGER 2

Example of a system with two refrigeration circuits and an energy meter
Example using a CSNET Manager 2

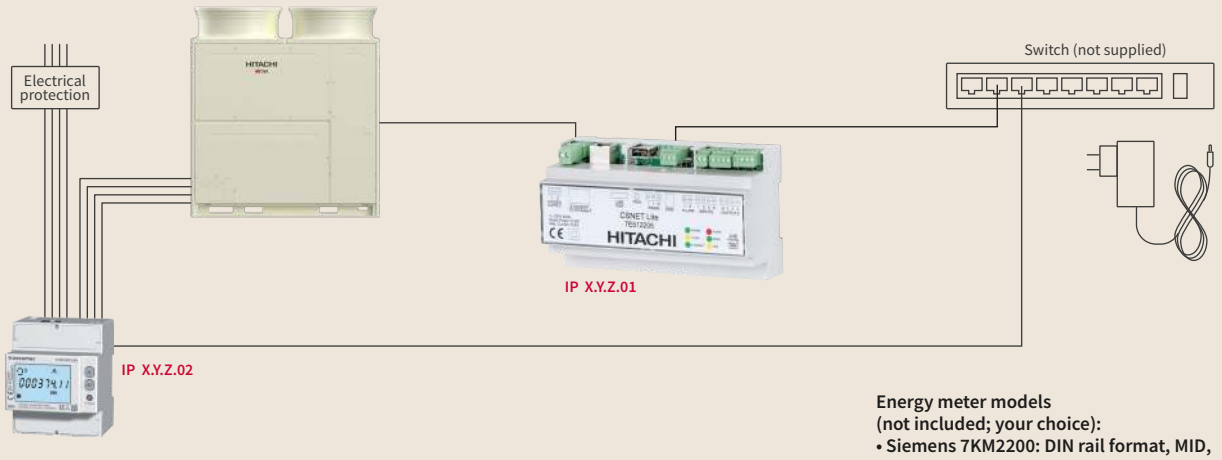
1 energy meter per refrigerant circuit required



Energy meter models
(not provided, optional):
- **Siemens 7KM2200: DIN rail format, MID, TCP/IP communication**
- **Siemens 7KM3220: front line display, MID, TCP/IP communication**
- **SOCOMEC Countis E27 / E28 (three-phase)**

Metering of energy with CSNET LITE

Example of a system with a refrigeration circuit and an energy meter
Example using a CSNET Lite

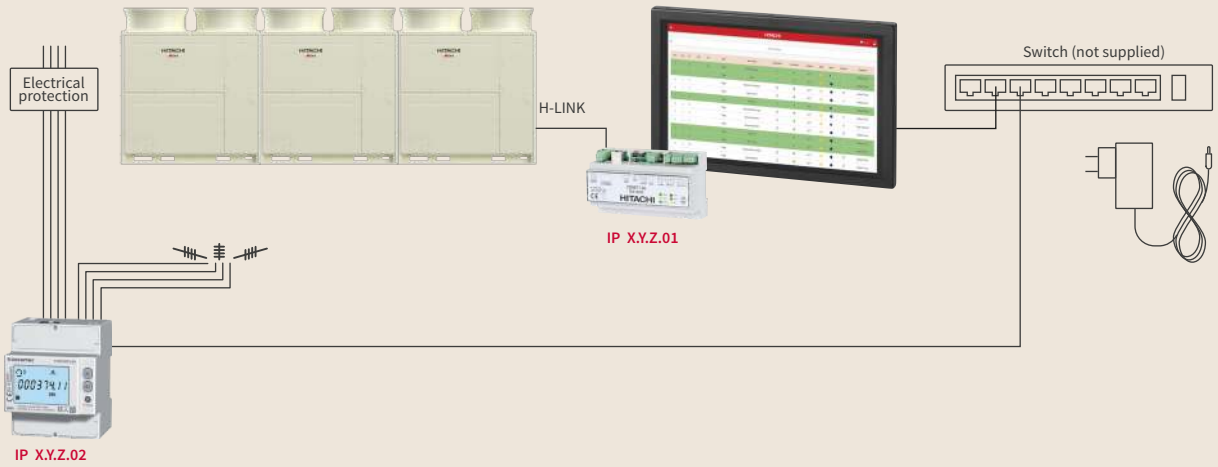


Energy meter models
(not included; your choice):
- **Siemens 7KM2200: DIN rail format, MID, TCP/IP communication**
- **Siemens 7KM3220: front line display, MID, TCP/IP communication**
- **SOCOMEC Countis E17 / E18 (single-phase)**

Examples of architecture for CSNET Manager

Case of an installation with a refrigeration circuit (twin units) and energy meter.

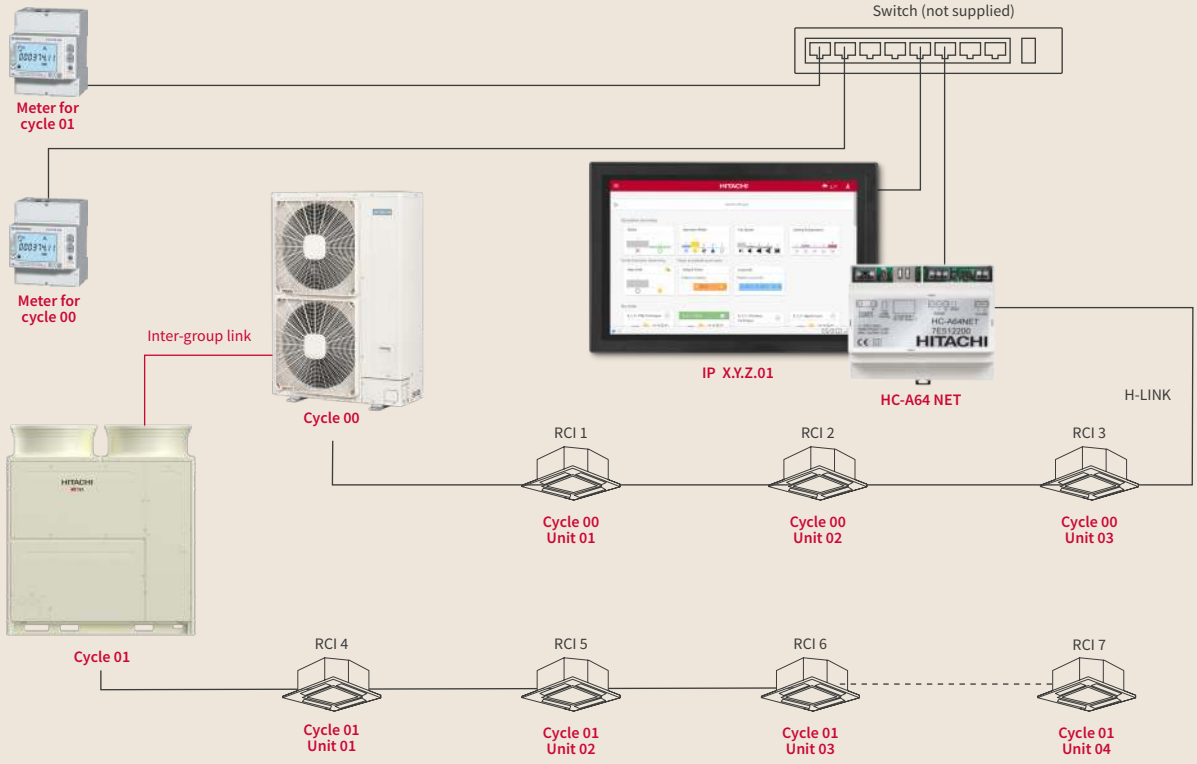
Example with a CSNET Lite



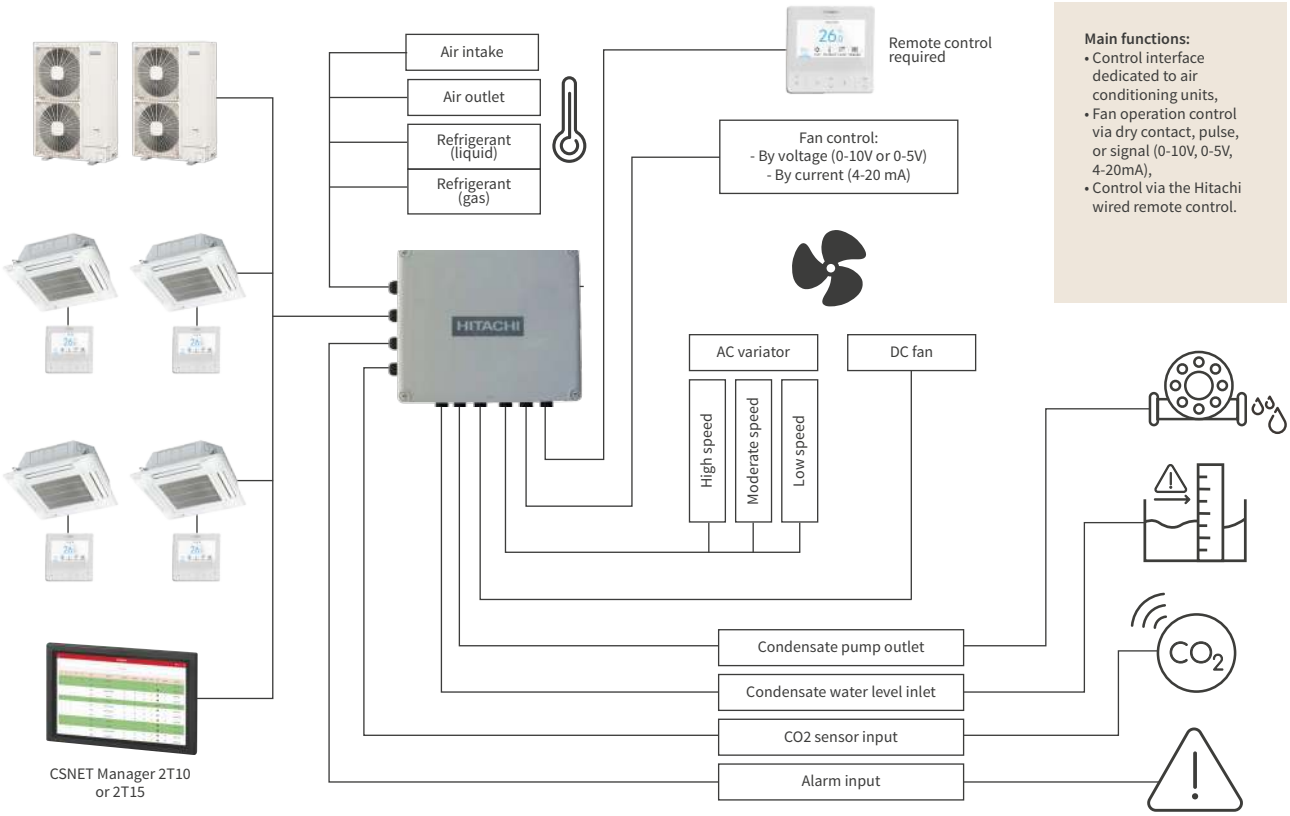
For an installation with two refrigerant circuits and energy meter

Example with a CSNET Manager 2

- Provide 1 energy meter per refrigeration circuit.
- Connection to an indoor unit is only possible with a two-pipe installation..
  For an installation with three pipe, the group/CH box connection is required.



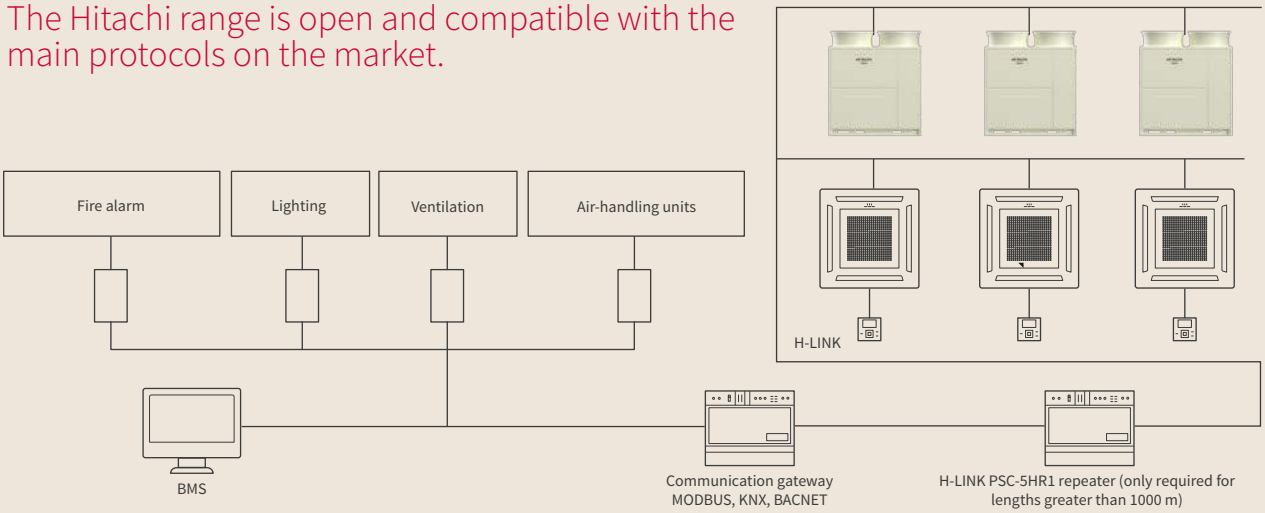
Control gateway for third-party equipment PC-AIO2



Main functions:
- Control interface dedicated to air conditioning units,
- Fan operation control via dry contact, pulse, or signal (0-10V, 0-5V, 4-20mA),
- Control via the Hitachi wired remote control.

GTC gateways for the H-LINK range

The Hitachi range is open and compatible with the main protocols on the market.



MODBUS protocol

HC-A16MB
(16 indoor units)

HC-A64 MB
(64 indoor units)

KNX protocol and BACNET

HI-AC-MGW-16
(16 indoor units)

HI-AC-MGW-64
(64 indoor units)

Available in June 2026



Quick selection table

	Capacity range in cooling mode (kW)	Types of compressor	Refrigerant
Samurai S Reversible chiller  Air condensation	An 11.2 -17.8 kW unit Combination of several units in cascade 72,00 kW	Inverter rotary unit	R410a (available up to the end of 2026)
Samurai M Reversible chiller  Air condensation	A 43 - 248 kW unit Combination of several units in cascade 1,020 kW	Scroll Inverter	**R454B**
Samurai L Reversible chiller  Water condensation	One unit 140 - 250 kW Combination of several units in cascade 2,000 kW	Hitachi modular TWIN screw	R134a (available up to the end of 2026) or **R513A**

☐ One unit ☐ Modular concept: multiple units with a cascading connection

Samurai S

Reversible water-to-air condensation unit - Rotary Inverter Compressor
11.2 to 17.8 kW (R410A)

SEER 4.40 | SCOP 4.02 | PLUG & PLAY | MOD BUS | EUROVENT CERTIFIED PERFORMANCE

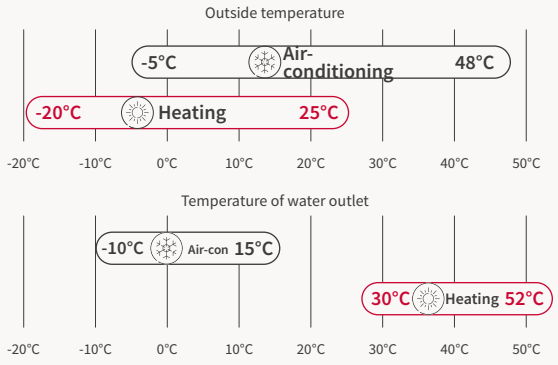


EASY TO INSTALL

Plug & Play design

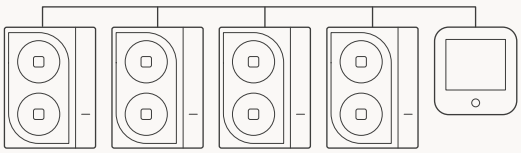
- Specifically designed for small-scale projects.
- Out of the box.
- Includes all the components required for the hydraulic operation of the system (see list opposite).
- Modbus included as standard.

APPRAISAL

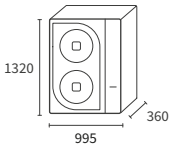


FLEXIBLE INSTALLATION

- **Static pressure available:** Each unit has 30 Pa of static pressure available as standard.
- **Modular concept:** onboard controls to operate up to 4 units in a cascading system.



Outdoor units



RHMA-4AVN
RHMA-5AVN
RHMA-6AVN
RHMA-7AVN

Hydraulic equipment included as standard

Factory-mounted



Fixed speed pump (expansion tank not included)



Flow controller

Supplied separately



Pressure relief valve



Hydraulic filter



Automatic filling valve

Compatible controls and accessories

Control included as standard



Separate wired remote control

Accessory included as standard



Neoprene anti-vibration pads

Optional accessories ordered separately.



Master-Slave Connection Kit
Model: CHL-MOD-02

Included in the kit:
Temperature sensor + wire + connector
CPLG tubing with 1/2" NPT
3/8" NPT gland
Sensor sleeve.

Samurai S

Available up to the end of 2026

Model	Unit	RHMA-4AVN 11.2 kW	RHMA-5AVN 14.3 kW	RHMA-6AVN 16.0 kW	RHMA-7AVN 17.8 kW
Performance, cooling					
Capacity Cooling	**kW**	**11.20**	**14.30**	**16.00**	**17.80**
Absorbed capacity cooling	kW	4.01	5.28	5.74	6.95
EER	-	2.80	2.70	2.80	2.56
SEER	-	4.32	4.32	4.40	3.87
Seasonal energy efficiency rating cooling ηs, c	**%**	**170**	**170**	**178**	**174**
Sound pressure level Cooling Standard/Low	dB(A)	68 / 64	70 / 65		74 / 69
Sound pressure level 1m Cooling Standard/Low	dB(A)	54 / 52	55 / 53		59 / 54
Sound pressure level 10m Cooling Standard/Low	dB(A)	40 / 38	42 / 40		46 / 42
Operating ranges at ext. temp°. - Cooling mode	°C	-5~+48			
T° at water outlet – Cooling mode	°C	-10~+15			
Performance, heating					
Capacity heating	**kW**	**10.90**	**13.10**	**15.40**	**18.50**
Absorbed capacity heating	kW	3.70	4.30	4.70	6.30
Capacity Heating at -7°C (water outlet 50°C)	kW	7.15	7.89	10.36	12.35
Capacity Heating at -15°C (water outlet 45°C)	kW	5.82	4.99	8.63	10.63
COP	-	3.00	3.06	3.29	2.94
SCOP	-	3.50	3.60	4.02	3.90
Seasonal energy efficiency rating heating ηs, h	**%**	**137**	**140**	**160**	**155**
Sound pressure level Heating Standard/Low	dB(A)	69 / 66	71 / 67		74 / 70
Sound pressure level 1m Heating Standard/Low	dB(A)	55 / 54	56 / 55		59 / 55
Sound pressure level 10m Heating Standard/Low	dB(A)	41 / 39	43 / 42		46 / 43
Operating ranges at ext. temp°. - Heating mode	°C	-20~+25			
T° at water outlet – Heating mode	°C	+30~+52			
Dimensions and weight					
Overall dimensions (height x length x width)	mm	1320 x 995 x 360			
Net weight	kg	126	128	141	
Compressor					
Type of compressor	-	Inverter DC rotary unit			
R410A prefilled on delivery	kg	2.8	3.3	3.9	4
Fans					
Number of fans (BLDC/54)	-	2			
Airflow	m^3/h	2500~6600			
Total power of fans	kW	0.18			0.22
External static pressure	Pa	0/30Pa			
Hydraulic data					
Type of exchanger	-	Brazed plated exchanger			
Rated water flow Heating/Cooling	l/s	0.52 / 0.56	0.66 / 0.67	0.75 / 0.79	0.82 / 1.03
Min./max. flow	l/s	1.2 / 2.7	1.2 / 3.4	1.6 / 3.8	1.6 / 4.3
Min. water capacity of the installation – Comfort (Cooling mode)	l	37	48	53	59
Min. water capacity of the installation – Process (Cooling mode)	l	73	93	104	116
Diameter of hydraulic connection	inches	1"			
Expansion vessel – not included, to be provided by the installer	L	To be sized by facility			
Pump – HP	kW	0.37			
Electrical data					
Supply voltage	V/Ph/Hz	230/1/50			
Maximum current	A	24	33		36

Note: The power and performance are specified without the pump. Rated cooling conditions: water cycle: 7/12°C – external temperature: 35°C. Rated heating conditions: water cycle:: 40/45°C – external temperature: 6°C WB. Seasonal energy performance is specified in accordance with European standard EN-14511/ 18.

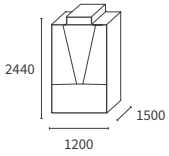
Samurai M

Reversible water-cooled condensation to air unit - Scroll Inverter compressor
43 to 248 kW (R454B)

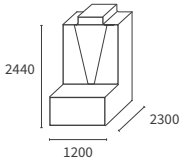
SEER 4.93 | SCOP 3.75 | EUROVENT CERTIFIED PERFORMANCE



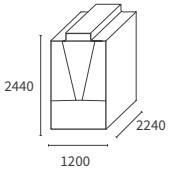
Outdoor units



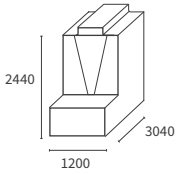
RHMA 18AX
RHMA 24AX
(Version with constant speed pump kit or without pump kit)



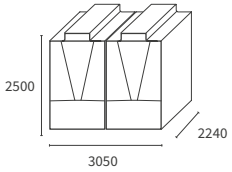
RHMA 18AX
RHMA 24AX
(Version with variable speed pump kit)



RHMA 30AX
RHMA 40AX
RHMA 50AX
(Version with constant speed pump kit or without pump kit)



RHMA 30AX
RHMA 40AX
RHMA 50AX
(Version with variable-speed pump kit)



RHMA 60AX RHMA 75AX
RHMA 90AX RHMA 100AX
(Version with variable speed pump kit or without pump kit)

Optional accessories ordered separately.



Separate wired remote control
Model: CHL-CON-01



Master-slave connection kit
Model: CHL-MOD-01
Included in the kit:
Flow controller
Temperature sensor + wire + connector
CPLG tube with NPT 1/2''
NPT 3/8 cable gland
Probe sleeve

IDEAL FOR THE PLANET

R454B refrigerant

- GWP: 466.



HIGH-PERFORMANCE

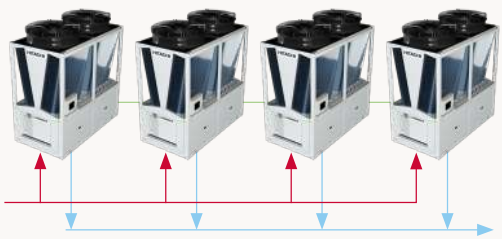
Ultra-equipped unit in standard version

The following items are included as standard:

- Cold and hot operation,
- Available pressure: 50 Pa,
- Master/slave function,
- MODBUS/BACNET gateways,
- Anticorrosion protection on the wings.

FLEXIBLE INSTALLATION

- **Configurable in cooling mode only** by changing switch dips.
- **Modular concept:** The built-in control system allows for cascade operation of up to 32 units for sizes 18 to 50 and up to 16 units for sizes 60 to 100.



Samurai M

Available up to the end of 2026

Model	Unit	RHMA 18AX 43 kW	RHMA 24AX 58 kW	RHMA 30AX 76 kW	RHMA 40AX 96 kW	RHMA 50AX 119 kW	RHMA 60AX 155 kW	RHMA 75AX 184 kW	RHMA 90AX 216 kW	RHMA 100AX 248 kW
Performance, cooling										
Capacity Cooling	**kW**	**43**	**58**	**76**	**96**	**119**	**155**	**184**	**216**	**248**
Absorbed capacity cooling	kW	14.24	19.73	23.17	30.38	38.14	46.97	57.14	66.06	75.84
EER	-	3.02	2.94	3.28	3.16	3.12	3.30	3.22	3.27	3.27
SEER	-	4.78	4.88	4.43	4.93	4.47	4.69	4.49	4.74	4.78
Seasonal energy efficiency rating cooling ηs, c	**%**	**188.0**	**192.0**	**174.0**	**194.0**	**176.0**	**185.0**	**177.0**	**187.0**	**188.0**
SEPR MT	-	3.76	3.77	3.91	3.53	3.58	2.79	2.70	3.78	3.70
SEPR HT	-	6.09	6.34	5.95	5.68	6.20	6.23	6.19	6.27	6.29
Sound pressure level Cooling Standard/Low	dB(A)	81 / 75	83 / 78	82 / 78	84 / 79	85 / 81	87 / 82	88 / 83	88 / 83	89 / 84
Sound pressure level 1m Cooling Standard/Low	dB(A)	66 / 61	68 / 63	66 / 62	68 / 64	69 / 65	70 / 66	71 / 66	72 / 67	73 / 68
Sound pressure level 10m Cooling Standard/Low	dB(A)	51 / 46	53 / 48	52 / 48	54 / 50	55 / 51	57 / 53	58 / 53	59 / 54	60 / 55
Operating ranges at ext. temp°. - Cooling mode	°C	-17.8~+48								
T° at water outlet – Cooling mode	°C	-12~+20								
Performance, heating										
Capacity heating	**kW**	**50**	**61**	**88**	**103**	**132**	**165**	**194**	**235**	**261**
Absorbed capacity heating	kW	16.28	19.79	26.86	32.27	44.77	49.80	59.58	72.19	80.36
Capacity Heating at -7°C (water outlet 45°C)	kW	34.08	42.84	58.44	66.98	88.30	111.23	134.26	159.99	179.10
Capacity Heating at -15°C (water outlet 40°C)	kW	27.00	34.19	45.44	53.41	69.54	86.68	99.90	124.19	149.28
COP	-	3.05	3.06	3.29	3.20	2.95	3.31	3.25	3.26	3.25
SCOP	-	3.73	3.71	3.71	3.72	3.75	3.72	3.71	3.72	3.71
Seasonal energy efficiency rating heating ηs, h	**%**	**146.0**	**146.0**	**145.0**	**146.0**	**147.0**	**146.0**	**146.0**	**146.0**	**145.0**
Sound pressure level Heating Standard/Low	dB(A)	81/75	83/78	82/78	84/79	85 / 81	87/82	88/83	88 / 83	87/82
Sound pressure level 1m Heating Standard/Low	dB(A)	68 / 63	70 / 65	69 / 65	70 / 65	74 / 68	71 / 66	72 / 67	73 / 68	74 / 68
Sound pressure level 10m Heating Standard/Low	dB(A)	53 / 48	55 / 50	55 / 51	56 / 51	60 / 55	58 / 53	59 / 54	60 / 54	61 / 55
Operating ranges at ext. temp°. - Heating mode	°C	-15~+25								
T° at water outlet – Heating mode	°C	+25~+55								
Dimensions and weight										
Height	mm	2440					2500			
Width	mm	1200					3050			
Length	mm	1500		2240						
Length (constant pump)	mm	1500		2240			-	-	-	-
Length (variable flow pump)	mm	2300		3040			2240			
Net weight (without pump/with pump)	kg	587 / 782	610 / 805	893 / 1105	920 / 1132	999 / 1211	1922 / 2115	2003 / 2196	2235 / 2428	2316 / 2509
Compressor										
Type of compressor	-	Scroll DC Inverter + Scroll								
Compressor number	-	2		3		4	5	6	7	8
Adjustment range	%	33~100	25~100	20~100	15~100	12~100	10~100	8~100	7~100	6~100
R454B prefilled on delivery – Circuit 1	kg	8.0	10.8	7.5	8.3	10.0	8.3	9.7	8.3	10.0
R454B prefilled on delivery – Circuit 2	kg	-	-	8.5	9.7	10.0	9.0	9.5	9.7	10.0
R454B prefilled on delivery – Circuit 3	kg	-	-		-	-	9.0	9.5	10.0	
R454B prefilled on delivery – Circuit 4	kg	-	-	-	-	-	-	-	10.0	
Fans/Air exchangers										
Air heat exchanger	-	Cu/Al blade exchanger								
Number of fans (type EC)	-	1		2			3		4	
Airflow	m^3/min	324.4	349.4	541.1	604.9	702.5	1024.5	1132.4	1370.1	1510.0
Total fan power consumption	kW	0.87	1.06	0.95	1.17	1.61	2.41	2.97	3.27	3.95
Static pressure available	Pa	50								
Hydraulic data										
Air heat exchanger	-	Brazed plated exchanger								
Rated water flow	l/s	2.2	2.9	3.8	4.8	6.0	7.4	9.1	10.5	11.9
Min./max. flow	l/s	1.1 ~ 2.8	1.4 ~ 3.7	1.9 ~ 5.0	2.4 ~ 6.2	3.0 ~ 7.8	3.7 ~ 11.1	4.5 ~13.6	5.3 ~ 15.8	6.0 ~ 17.9
Min. water capacity (without pump kit)	l	7	10	14	16	16	27	29	32	34
Min. water capacity of the installation – Comfort (Cold mode)	l	142	191	251	317	393	512	607	713	818
Min. water capacity of the installation – Process (Cold mode)	l	280	377	494	624	774	1008	1196	1404	1612
Load loss in the exchanger	kPa	30	30	28	32	36	23	29	41	38
Pump type	-	Fixed or variable flow pump (depending on model, see p. 351)								
Diameter and type of hydraulic connection	inches	2” Victaulic (Victaulic slotted or soldered sleeve not included)		2 ½” Victaulic (Grooved or (Victaulic welding not included)			4” Victaulic (Victaulic slotted or soldered sleeve not included)			
Electrical data										
Supply voltage	V/Ph/Hz	400/3/50								
Maximum current	A	32.0	35.1	56.3	66.6	79.3	110.8	123.5	155.0	167.7

Note: The power and performance are specified without the pump. Rated cooling conditions: water cycle: 7/12°C – external temperature: 35°C. Rated heating conditions: water cycle: 40/45°C – external temperature: 6°C WB. Seasonal energy performance is specified in accordance with European standard EN-14511 (18 EN-14825.

Samurai M



Standard functions:

- Reversible mode,
- Water outlet temperature down to -12°C and outdoor temperature down to -17.8°C in cooling mode,
- Master/slave operation,
- Modbus & Bacnet gateway,
- Several languages available: EN, FR, DE, IT, ES, PL, RU, etc.

Standard components:

- Electronic pressure regulators,
- Flow controller,
- Filter,
- Victaulic outlets (Victaulic grooved sleeve or sleeve to be welded, to be provided by the customer),
- EC inverter fans,
- Corrosion protection for fins,
- Electronic starter,
- Double discharge valve,
- Expansion tank (included in the Variable Speed Pump Kit options).

Samurai M

Factory settings possible	Option reference
Battery protection grid	G
Low noise level	N
Simple pump kit - fixed speed	F (Kit not available for sizes from 60 to 100 hp)
Simple pump kit - variable speed	V

	STANDARD MODELS WITHOUT PUMP KIT	MODELS 18 TO 50		MODELS 60 TO 100
		Fixed speed pump	Variable speed pump kit	Variable speed pump
Air purifier	x	●	●	●
Stop Valve	x	x	●	●
Bleed valve	x	x	●	●
Filter	●	○ Mounted locally	●	●
Flow controller	●	○ Mounted locally	●	●
Expansion vessel	x	x	● 18/24: 12 L 30/40/50: 18 L	● 60 to 100: 2 x 24 L
Available pressure	-	18 to 24: 17.5 m CE 30 to 50: 18.7 m CE	18 to 24: 24 m CE 30 to 50: 30 m CE	60 to 100: 35 m CE

● Factory-fitted in the product ○ Supplied with unit x Not included

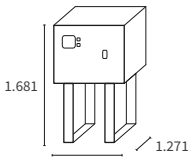
Samurai L

Chilled water unit (reversible option) water-cooled - Modulating Twin Screw compressor
140 to 250 kW (R513A or R134A)

SEER 5.30 | SCOP 5.58 | EUROVENT CERTIFIED PERFORMANCE



Outdoor units



RCME-40WH1
RCME-50WH1
RCME-60WH1
RCME-70WH1

The most compact on the market!

- **1m2** floor space requirement for **250 kW** cooling delivered.
- It fits on a pallet, on a lifting platform and can fit through a doorway.
- Possible combinations of up to **8 modules** : **8m²** footprint **2 000 kW** of cold delivered.







Options and accessories

+ IDEAL FOR THE PLANET

R513A refrigerant

- GWP = 629
- **Non-flammable: Safety rating A1.** It can be safely installed inside the building.



+ APPRAISAL

Precise power levels and temperatures

Hitachi modular TWIN screw compressor:
Continuous power regulation system from 25% to 100%. The power of the equipment therefore always corresponds to demand.
→ for comfort (commercial) and process (industrial) applications.

+ FLEXIBLE INSTALLATION

2 installation modes

- **Standard mode:** Constant outlet water temperature > all compressors operate at the same load.
- **High energy efficiency mode:** Smart control of the compressor On/Off function to optimize the system's energy performance.

Samurai L

Available up to the end of 2026

		R513A REFRIGERANT				R134A REFRIGERANT			
Model	**Unit**	**RCME-40WH1 140 kW**	**RCME-50WH1 180 kW**	**RCME-60WH1 220 kW**	**RCME-70WH1 250 kW**	**RCME-40WH1 140 kW**	**RCME-50WH1 180 kW**	**RCME-60WH1 220 kW**	**RCME-70WH1 250 kW**
Performance, cooling									
Capacity Cooling	**kW**	**140**	**180**	**220**	**250**	**140**	**180**	**220**	**250**
Absorbed capacity cooling	kW	29.4	38.1	47.7	53.9	28.0	37.0	45.0	51.0
EER	-	4.76	4.72	4.61	4.64	5.00	4.96	4.85	4.87
SEER	-	5.10	5.25	5.28	5.30	5.27	5.46	5.51	5.52
Seasonal energy efficiency rating cooling ηs, c	-	**201.0**	**207.0**	**208.0**	**209.0**	**208.0**	**215.4**	**217.0**	**218.0**
SEPR MT	-	4.65	4.62	4.65	4.67	4.88	4.85	4.89	4.90
SEPR HT	-	7.06	6.54	7.20	7.24	7.41	6.85	7.57	7.59
Sound pressure level* Cooling	dB(A)	60	61	62	63	60	61	62	63
Sound power level Cooling	dB(A)	88	89	90	91	88	89	90	91
Temp° at water outlet – Cooling mode (evaporator)	°C	+5~+15 standard/-10~+5 (low temperature option) / +15~+25 (high temperature option)				+5~+15 standard/-10~+5 (low temperature option) / +15~+25 (high temperature option)			
Temp° at water outlet – Cooling mode (condenser)	°C	+22~+47				+22~+50			
Performance, heating									
Capacity in Heating mode (option)	**kW**	**161.9**	**208.5**	**256.2**	**290.8**	**160.0**	**205.0**	**252.0**	**287.0**
Absorbed capacity in Cooling mode (optional)	kW	35.40	45.90	57.40	64.90	33.40	43.30	54.10	61.20
Heat pump (optional)	-	4.57	4.54	4.46	4.48	4.79	4.76	4.67	4.69
SCOP LT (optional)	-	5.70	5.66	5.55	5.58	5.90	5.86	5.75	5.78
Seasonal energy efficiency rating heating ηs, h	%	**161.6**	**160.4**	**157.6**	**158.0**	**174.0**	**173.0**	**170.0**	**170.0**
SCOP MT (optional)	-	4.24	4.21	4.14	4.15	4.42	4.39	4.32	4.33
Sound pressure level* Heating	dB(A)	60	61	62	63	60	61	62	63
Sound power level Heating	dB(A)	88	89	90	91	88	89	90	91
Temp° at water outlet – Heating mode (condenser)	°C	+35~+57 (heat pump option)				+35~+60 (heat pump option)			
Water outlet temperature - Hot mode (evaporator)	°C	+5~+25				+5~+25			
Dimensions and weight									
Dimensions (height x width x length)	mm	1681 x 806 x 1271				1681 x 806 x 1271			
Net weight	kg	860	950	1040	1075	860	950	1040	1075
Compressor									
Type of compressor	-	Modular Twin semi-sealed screw				Modular Twin semi-sealed screw			
Compressor number	-	1				1			
Circuit number	-	1				1			
Adjustment range	%	25~100				25~100			
Refrigerant	-	R513A				R134A			
Quantity of refrigerant	kg	15	17.5	22.5	28	19	20	24	29
Hydraulic data									
Type of exchanger (condenser)	-	Brazed plated exchanger				Brazed plated exchanger			
Type of exchanger (evaporator)	-	Brazed plated exchanger				Brazed plated exchanger			
Rated water flow (evaporator/condenser)	m^3/h	24.1 / 29.1	31.0 / 37.5	37.8 / 46	43.0 / 52.3	24.1 / 28.9	31.0 / 37.2	37.8 / 45.6	43.0 / 51.8
Min. water flow (evaporator)	m^3/h	15.1	19.4	23.7	26.9	15.1	19.4	23.7	26.9
Max. flow (evaporator/condenser)	m^3/h	52.3 / 63.3	67.3 / 81.6	82.3 / 83.8	83.8 / 83.8	52.3 / 62.8	67.3 / 80.9	82.3 / 83.8	83.8 / 83.8
Min. water volume	m^3	0.51	0.65	0.80	0.90	0.51	0.65	0.80	0.90
Loss of water load (evaporator/condenser)	kPa	20.0 / 21.6	21.5 / 24.1	19.7 / 26.9	25.0 / 28.2	20.0 / 21.3	21.5 / 23.8	19.7 / 26.4	25.0 / 27.8
Diameter and type of hydraulic connection	-	2,1/2" Victaulic				2,1/2" Victaulic			
Quantity of hydraulic connections	-	1x input, 1x output per exchanger				1x input, 1x output per exchanger			
Electrical data									
Supply voltage	V/Ph/Hz	400/3/50 + N				400/3/50 + N			

Note: The power and performance are specified without the pump. Rated cooling conditions: water cycle: 7/12°C - Condensation temperature: 35/30°C.
Nominal hot conditions: water speed: 40/45°C. Seasonal energy performances are announced in accordance with European standard EN-14825.** Acoustic power is announced at 10m, in front of the unit..

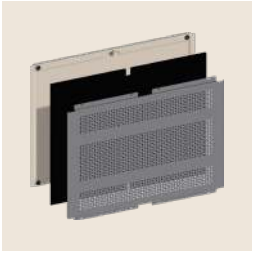
Options Samurai L (factory-mounted)

References	Description	RCME-WH1
Unit options		
LN	Low sound level -6dB(A) (water condensation)	●
SLN	Very low sound level -16dB(A) (water condensation)	●
PCR	Cable tray & distributor & conduit	●
WOC	Crate packaging	●
HPO	Reversible mode operation (water condensation only)	●
Control options		
PWM	Energy meter	●
MCBC	Regulator for compressor	●
Standard languages included (English, French, Spanish)		Included as standard
LP1	LCD Language pack 1 English, Russian, Finnish	●
LP2	LCD Language pack 2 English, German, Hungarian	●
LP3	LCD Language pack 3 English, Dutch, Polish	●
LP4	LCD Language pack 4 English, Italian, Greek	●
Hydraulic options		
Brine 1	Low water output temperature: +5°C to 0°C	●
Brine 2	Low water output temperature: 0°C to -5°C	●
Brine 3	Low water output temperature: -5°C to -10°C	●
PP	Pressure inlet on the hydraulic network	●
WPN16	Positive pressure (16 bar)	●
HWOT	High water output temperature in Cooling mode (25°C)	●
CH	Tracer (Plated exchanger)	●
WPST	Stainless steel hydraulic pipes	●
Cooling circuit options		
DSV	Double safety valve	●
PSW	Differential water pressure switch	●
SV	Compressor suction valve	●
DV	Compressor return valve	●
SSV	Compressor suction safety valve	●

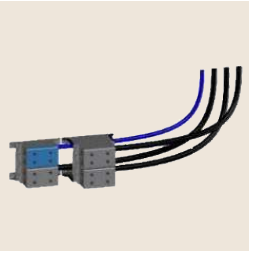
Unit options



Low noise level -6 dB(A)
Samurai L Water condensation.
Model: LN



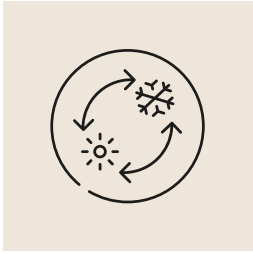
Very low noise level: -16 dB(A)
Samurai L Water condensation.
Model: SLN



Cable tray & distributor & conduit
Cable tray & distributor & conduit.
Ref. : PCR



Crate packaging
To protect the product during delivery.
Model: WOC



Reversible mode operation
RCME-WH1 only.
Model: HPO

Control options



Energy meter
Model: PWM



Regulator for compressor
Compressor protection in place of standard fuses.
Model: MCBC



LCD Language pack
Refs. :
LP1: English, Russian, Finnish.
LP2: English, German, Hungarian.
LP3: English, Dutch, Polish.
LP4: English, Italian, Greek.

Hydraulic options



Low water output temperature
Refs. :
Brine 1: +5°C to 0°C
Brine 2: 0°C to -5°C
Brine 3: -5°C to -10°C



Pressure inlet on the hydraulic network
Model. : PP



Positive pressure (16 bar)
Ref. : WPN16



Tracer (plated exchanger)
Electric heating installed around the plated heat exchanger to protect internal water from freezing at low outdoor temperatures and low water temperatures.
Model: CH

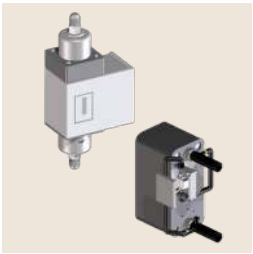


Stainless steel hydraulic pipes
Model: WPST

Refrigerant circuit options



Double safety valve
To protect the refrigerant circuits against high-pressure. A single valve is fitted in the factory.
The double valve means you can switch to a second valve without having to drain the refrigerant circuit for maintenance operations.
Model: DSV



Differential water pressure switch
Model: PSW



Compressor suction valve
Model: SV



Compressor return valve
Model: DV



Compressor suction safety valve
Model: SSV

Samurai L accessories (delivered separately)

References	Description	RCME-WH1
CHL-WFS-01	Flow controller	•
CHL-CWP-05	Hydraulic collectors 2 modules	•
CHL-CWP-06	Hydraulic collectors 3 modules	•
CHL-PMM-06	Energy meter (1000A)	•
CHL-PMM-04	Energy meter (200A)	•
CHL-PMM-05	Energy meter (400A)	•
CHL-WST-01	Hydraulic filter 2.½”	•
CHL-WST-04	Hydraulic filter 5”	•
CHL-WST-05	Hydraulic filter 6”	•
CHL-BAC-01	BACnet interface	•
CHL-MBS-02	Modbus interface	•
CHL-AVS-05	Spring-loaded anti-vibration terminals (Samurai L water condensation)	•
CHL-FLA-01	Flange connection PN16 2.½”	•
CHL-AVR-02	Rubber anti-vibration map	•
CHL-EDV-01	Evaporator side evacuation valve	•



Flow controller
Model: CHL-WFS-01



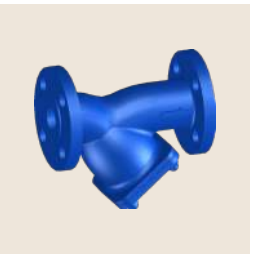
Hydraulic collectors Samurai L Water condensation
Refs. :

CHL-CWP-05 (2 modules)
CHL-CWP-06 (3 modules)



Energy meter
Refs. :

CHL-PMM-04 (200A)
CHL-PMM-05 (400A)
CHL-PMM-06 (1000A)



Hydraulic filter
Refs. :

CHL-WST-01 (size 2.1/2’’)
CHL-WST-04 (size 5")
CHL-WST-05 (size 6")



BACnet interface
Model: CHL-BAC-01



Modbus interface
Model: CHL-MBS-02



Spring-loaded anti-vibration terminals Samurai L Water condensation
Model: CHL-AVS-05
(water condensation)



Flange connection PN16 2.1/2’’
Model: CHL-FLA-01



Rubber anti-vibration Matt
Samurai L water condensation.
Model: CHL-AVR-02

Evaporator side evacuation valve
Ref. : CHL-EDV-01

Notes

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