air

Company Name

CUSTOMER SERVICE

SALES OFFICE

SPARE PARTS

DISTRIBUTOR

CERTIFICATION

WARRANTY

SOCIAL MEDIA

Information: latest as of 2021-June

2106-C-CNCQ-4

HITACHI

SET FREE Σ

VARIABLE REFRIGERANT FLOW
AIR SOURCE COOLING ONLY TYPE
CNCQ series

Welcome

Air. It’s a wonderful thing.

Invisible, silent and life-giving, air makes our entire world possible. It surrounds us, continuously energizing, cooling and warming. It can be unpredictable and sometimes challenging, but when air is in harmony with us, everything seems that much easier.

This is our vision. To create the air that makes life better.

Living Harmony

At Hitachi Cooling & Heating we like to think of this as creating harmony with your interior environment. When we achieve that wonderful balance, productivity, learning, happiness and health can thrive.

We call this ‘Living Harmony’ and it’s at the center of everything we do.

The future together

Living Harmony puts people first. By balancing the human needs of our customers with an uncompromising approach to innovation and quality, we can continue to create the technologies for a more comfortable and balanced world.

Your world. We live in it together.

The beauty of balance

No matter what the weather is like outside, when you're indoors, you want to have complete control over your environment. At work or play, awake or asleep, you're free to create your own atmosphere; balancing energy with calm, sound with silence and light with shade. It's the same for cooling and heating.

When the air around you is in balance, you can enjoy life indoors that much more.

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Your world and Hitachi

Change in the air.

Change is one of the few constants in life.
The world around us changes continuously and as it does, so do our own comfort levels and our requirements of our buildings.

Creating harmony in the face of change has always been the driving force behind Hitachi Cooling & Heating. From maintaining a perfect indoor climate indoors as the seasons change, to developing new technology to address the needs of our changing cities, we're committed to solutions that help people adapt to changes today and in the future.

Design for tomorrow's urban spaces.

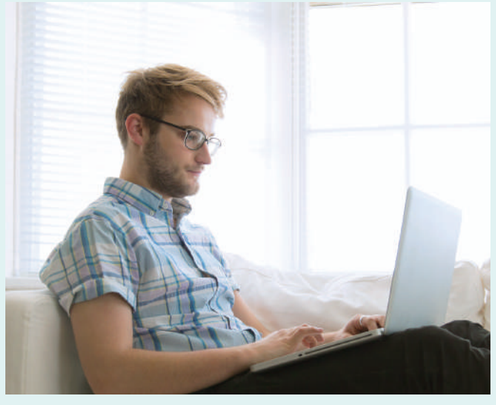
Space in our cities is under increasing pressure and as new buildings become more space efficient, the areas allocated to cooling and heating are shrinking.
We are responding to these changes with a new generation of space-efficient outdoor units, giving architects, building managers and owners greater levels of flexibility.

Redefining comfort.

Comfort can be felt in a variety of ways, from the temperature to quietness and even the air flow itself. Our wide-ranging lineup of indoor units can meet various comfort requirements. We offer two different types of ventilation units, and optional motion sensors are also available for superior energy saving.

You are in control.

Whether you wish to create a relaxing atmosphere in your home, improve productivity at work or manage the energy and maintenance costs for your building, We give you the technology to achieve your goals. From setting individual climate zones in every room, to centralized monitoring and reporting for multiple buildings.



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10 reasons to choose Hitachi VRF

World's trusted brand

Engineered with precision in Japan, Hitachi has been one of the best-selling VRF brands around the world since our first launch in 1983.

HVAC professionals: We care about you

Each of our VRF equipment is carefully designed for ease of installation and maintenance. Piping routes, access to components, condensate management ... our products make your job easy!

Advanced features, more comfort for the occupants

From exclusive GentleCool temperature control function to 4-way cassette with individual louver control, our VRF systems embeds various features to enhance the well being of occupants, based on their needs.

Welcome to our "Central Stations"

Hitachi best-in-class & appraised range of centralized controllers make VRF system control easy. Our various Central Stations models can suit all types of user profiles and system sizes, so that every operator can control and adjust operations as they wish.

SmoothDrive™: patented technology for unique benefits

Our exclusive VRF compressor control technology SmoothDrive™ provide unrivaled efficiency and comfort. Our systems meet the most stringent energy efficiency regulatory standards. But they do more than that. Thanks to SmoothDrive™, you can save more energy during partial load conditions, reflecting the real life usage of VRF systems. When some indoor units are turned off, when the outdoor temperature changes, when the indoor temperature reaches comfortable level ... SmoothDrive™ provides extra savings and comfort, which made Hitachi VRF receive energy-efficiency awards in Japan.

airCloud Pro, new generation of monitoring (exclusive!)

From your smartphone or web, manage your VRF systems in full simplicity. Operators can select zones and adjust AC operation, or track systems errors remotely. airCloud Pro can accommodate unlimited number of VRF systems and unlimited number of users.

airCloud Select NEW

Let's jump in our “Selection Software”, where system engineers can perform their work of air conditioning selection customized for each project. With our training material & selection software, professionals can meet their clients' requirements with confidence.

Whichever is your project

From small shops to sky scrapper, from snowy days to hottest climates, there's a Hitachi VRF solution for you. Our offer provides great flexibility: multiple types of outdoor units and indoor units, piping distance, adaptive external static pressure, best-in-class choice of CH-Box, and variety of controllers for each type of users.

Support building owners with multiple tenants

Our exclusive Central Station EX enables owners to easily manage each tenant's air conditioning electricity consumption and invoicing. Several calculation methods are available for better accuracy.

Demand-response energy management

Smart cities, smart buildings... and smart Hitachi VRF systems! Discover our two advanced power saving functions: peak-load cut to prevent peak demand, and capacity moderation to reduce the power input demand. In addition, the large majority of our controls provide simplified scheduling capability, so that operations can schedule operations according to their utility plan.

Complete VRF offer

Select and combine as you need!

Versatile Outdoor units

- Top flow modular
- Side flow "mini"
- SideSmart modular(exclusive)
- Centrifugal(exclusive)
- Water-source
- 3 types: Cooling only, Heat pump(2-pipes), Heat recovery(3-pipes)

Variety of indoor units

- Over 30 models available around the globe
- Wide range of ceiling cassettes and ducted units for all types of configuration
- Ventilation
- Air Handling Unit Integration to Hitachi VRF

User-friendly controls

- Central Stations: large choice of interfaces for simple centralized control operations
- Individual controllers: variety of types
- airCloud Pro: cloud-based monitoring available in smartphone app and web

*Product availability varies across countries. Please visit www.hitachiaircon.com or contact your local Hitachi Cooling & Heating representative to receive more information.

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The shape of things to come

We've named our latest VRF system SET FREE Σ

Continuing the evolution of the SET FREE series, the sigma symbol (Σ) references the shape of our revolutionary, ultra-efficient new heat exchanger.

To learn more about our heat exchanger technology, please refer to page 14.

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VRF OUTDOOR UNITS

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RAISING THE STANDARD

The path to creating your perfect indoor environment begins outdoors with Hitachi Cooling & Heating's range of outdoor units —
the first step toward achieving Living Harmony.
Protected by lighter and compact cabinets and powered by the world's most advanced compressor controller technology, the next generation SET FREE Σ outdoor units deliver superior performance, maximum installation flexibility and design flexibility.

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LINE UP OVERVIEW

Widest Range: from 8 to 96HP class

The CNCQ Series is newly launched with a wide range of models in its lineup, as well as a variety of performance enhancements in design, power and economy. Select the product(s) most suitable for your application, either as a single unit or a combination of single units.

(HP Class/Cooling Capacity/Net Weight)

8HP Class/22.4kW/212kg
10HP Class/28.0kW/213kg
12HP Class/33.5kW/238kg

14HP Class/40.0kW/295kg
16HP Class/45.0kW/296kg
18HP Class/50.0kW/341kg

Single module
up to 24HP class!

20HP Class/56.0kW/380kg
22HP Class/61.5kW/402kg
24HP Class/68.0kW/403kg

26HP Class/73.0kW/509kg
28HP Class/78.5kW/534kg

30HP Class/85.0kW/591kg
32HP Class/90.0kW/592kg
34HP Class/95.0kW/637kg

36HP Class/101.0kW/676kg
38HP Class/106.5kW/698kg
40HP Class/113.0kW/699kg
42HP Class/118.0kW/744kg

44HP Class/124.0kW/783kg
46HP Class/129.5kW/805kg
48HP Class/136.0kW/806kg

50HP Class/140.0kW/933kg

52HP Class/146.0kW/972kg
54HP Class/151.5kW/994kg
56HP Class/158.0kW/995kg
58HP Class/163.0kW/1,040kg

60HP Class/169.0kW/1,079kg
62HP Class/174.5kW/1,101kg
64HP Class/181.0kW/1,102kg
66HP Class/186.0kW/1,147kg

68HP Class/192.0kW/1,186kg
70HP Class/197.5kW/1,208kg
72HP Class/204.0kW/1,209kg

74HP Class/208.0kW/1,336kg

76HP Class/214.0kW/1,375kg
78HP Class/219.5kW/1,397kg

Whole range
up to 96HP class!

80HP Class/224.0kW/1,520kg
82HP Class/229.5kW/1,542kg
84HP Class/236.0kW/1,543kg
86HP Class/241.5kW/1,565kg
88HP Class/248.0kW/1,566kg

90HP Class/253.5kW/1,588kg
92HP Class/260.0kW/1,589kg
94HP Class/265.5kW/1,611kg
96HP Class/272.0kW/1,612kg

SUMMARY TABLE

Item			Unit	CNCQ Series
Capacity	HP class			8-96
	Nominal Cooling		kW	22.4-272.0
Maximum connectable indoor unit quantity				13-64
Combination capacity ratio between ODU and IDU			%	50-130
Maximum piping length	Total piping length		m	1,000
	Refrigerant piping length	Actual	m	165
		Equivalent	m	190
	Between piping connection kit and each outdoor unit		m	10
	Between 1st branch multi kit and farthest indoor unit		m	90
	Between multi kit and each indoor unit		m	40
Maximum level difference **	Between outdoor units (combination of base units)		m	0.1
	Between outdoor unit and indoor units	ODU above IDU	m	50 (standard)/up to 110m (custom order)
		IDU above ODU	m	40
	Between indoor units		m	30
Cooling operation range *			°C DB	10.0 to 52.0

* For more details, please consult your distributors or dealer, or, refer to technical catalogue.
** Concerning maximum level difference between ODU and IDU (ODU above IDU),
Standard: up to 50 metre/Custom Order: up to 110 metre.
Longer piping (up to 110 metre) is available for 8 to 54HP class models only.
Maximum level difference for 56-96HP class is 90 metre.

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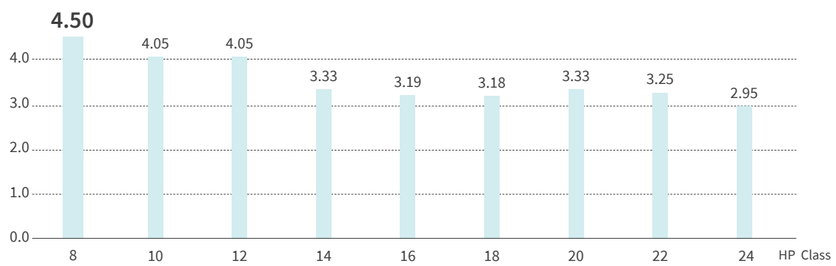
HIGH EFFICIENCY

EFFICIENCY RATIO

EER: Energy Efficiency Ratio



Notes:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. Please see the technical catalogues for more details.

WHAT'S IMPROVED?

1) COMPRESSOR 2) HEAT EXCHANGER 3) AIR OUTLET

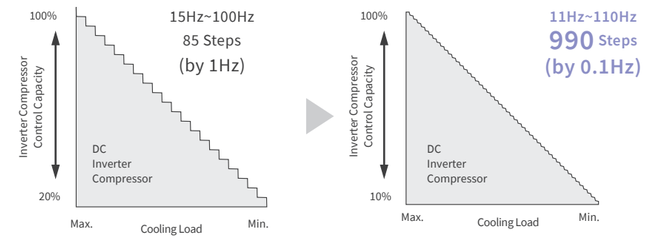
Cooling & Heating

3 POINTS IMPROVEMENT

1) COMPRESSOR

Greater capacity control

The highly improved performance as well as greater energy saving is achieved by adopting newly developed high efficiency DC inverter compressor, with outstandingly precise control technology of 0.1Hz increments inverter frequency. Another feature is the dramatically extended working range, enabled by expanding the compressor's operating frequency band, both upwards and downwards.



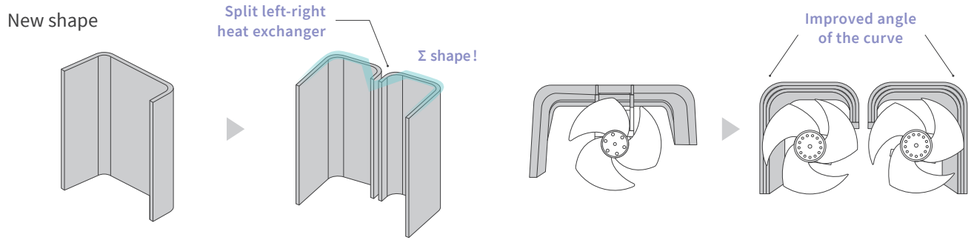
Current model* | New model*

*Example at 12HP class (33.5kW)

2) HEAT EXCHANGER

- The heat exchange area has been increased by more than **10%** (single module)
- Greater heat exchange efficiency

New shape

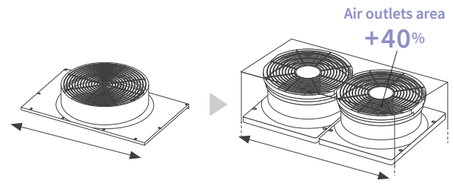


Current model (single module) | New single medium & Large cabinet | Current model (single module) | New single medium & Large cabinet

3) AIR OUTLET

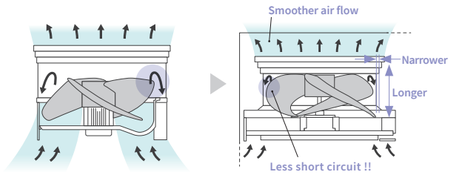
- Improvement of airflow volume by **23%** (single module)
- Energy consumption in the driving shaft has decreased by **20%** on average

Expansion of air outlet



Current model | New model

Improvement in air outlet



Current model | New model

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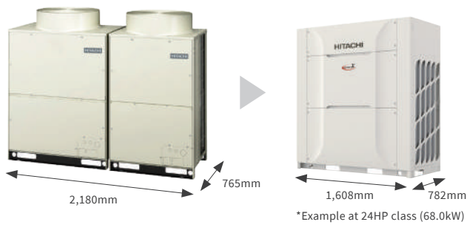
DESIGN FLEXIBILITY

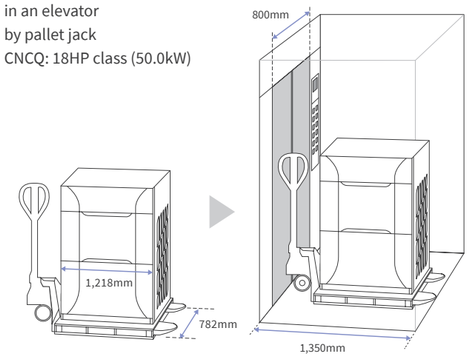
EASY TRANSPORTATION

• Smaller cabinet



Conparing 24HP class	Installation Space	-24.4% (1.67m² → 1.26m²)
	Product Weight	-17.8% (506kg → 416kg)

Can be transported
in an elevator
by pallet jack
CNCQ: 18HP class (50.0kW)

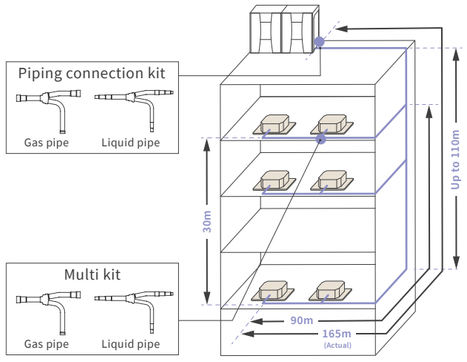


PIPING CONNECTION WORKABILITY

Improvement of restrictions on piping construction

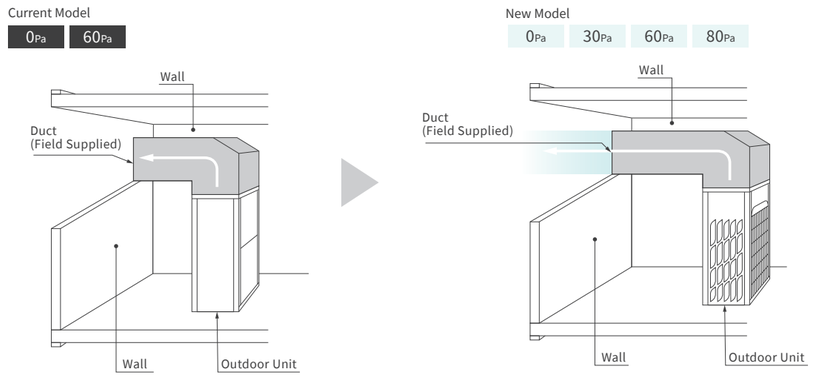
• Suitable for a high-rise building or complex facilities.
• Leads to cost/time saving for designers, with more efficient design.

Maximum piping length	Total sum		1,000m
	Maximum length from ODU stope valve or Piping connection kit to Terminal IDU	Actual	165m
		Equivalent	190m
	Between Piping Connection Kit and Each ODU		10m
	Between 1st branch Multi Kit and the farthest IDU		90m
	Between each Multi Kit and each IDU		40m
Maximum level difference	Between ODUs		0.1m
	Between ODU and IDU	ODU above IDU	Standard: 50m Optional: 110m
		IDU above ODU	Standard: 40m
	Between IDUs		30m



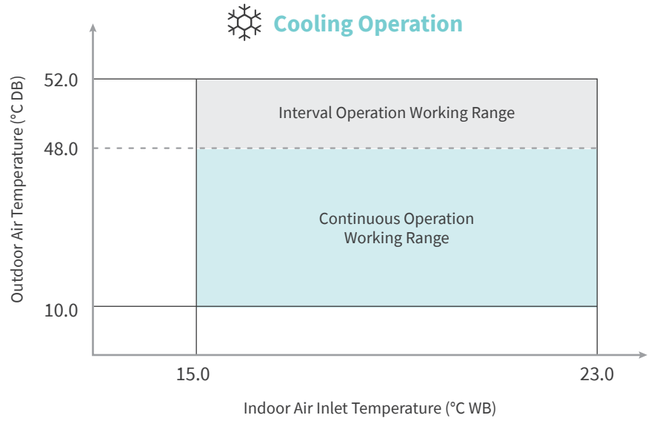
IMPROVED EXTERNAL STATIC PRESSURE

Both more numbers of setting of ESP (up to 4), and, higher ESP (up to 80Pa) of outdoor unit, offer better options for the indoor installation of the outdoor unit, which leads to 3 benefits for you.
• Less piping length
• Lower installation cost
• Visual aesthetics



OPERATION TEMPERATURE RANGE

Enhanced performance in consideration of the actual installation environment of the outdoor unit



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ADAPTABILITY

SMOOTHDRIVE™: SUPERIOR COMPRESSOR CONTROL

ORIGINAL

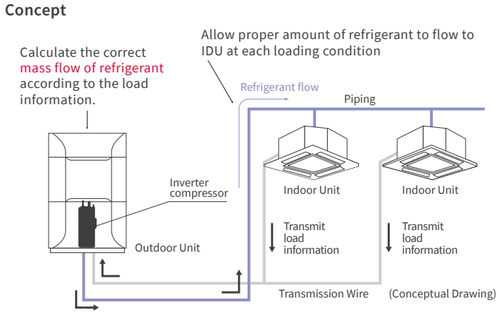
Energy savings in real life: it's more than ratings. You can uncover that we want to bring true value to your customers. Meeting high energy efficient standards in one thing, but on top of that, "SmoothDrive™" supports energy savings in real life conditions, as real life is made of fluctuations.

How does "SmoothDrive™" work?

Brushed-up existing Variable Evaporating/Condensing Temperature Control,
"SmoothDrive™" directly regulates the mass-flow of refrigerant amount, by Hitachi original load-speculation technology!

- "SmoothDrive™" helps scroll compressor running continuously and smoothly even at Low-load condition
- Our original load-speculation technology helps reduce energy loss caused by scroll compressor switching on/off
- Consequently, constant room temperature & energy saving can be achieved

Concept

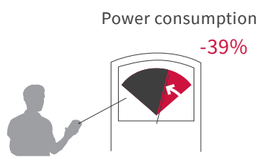


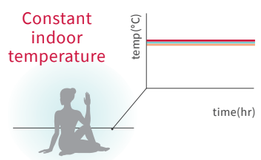
How does "SmoothDrive™" benefit you?

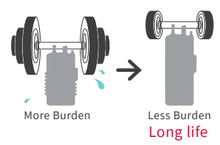
Efficiency
Power consumption is reduced by -39% in the testing condition at air conditioning load 33%.

Comfort
More constant indoor temperature achieved by better responsiveness thanks to direct compressor frequency control.

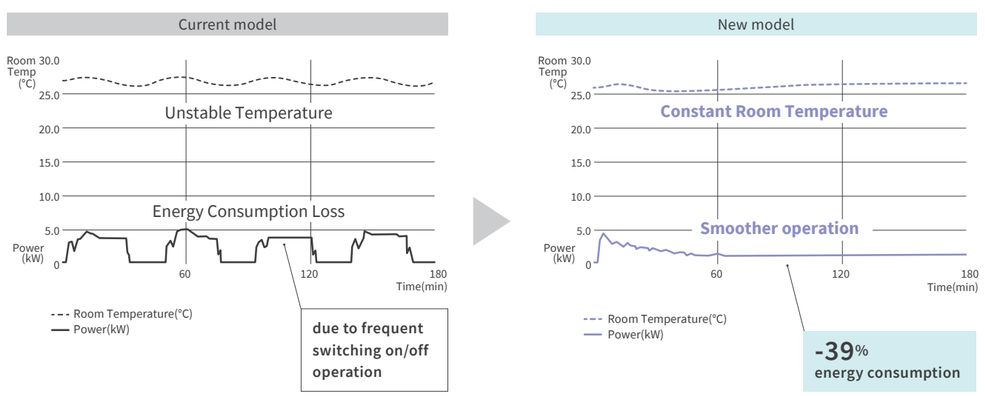
Reliability
Less burden on compressor thanks to suppressing continuous on/off at low load operation, leading to less liquid-back and less shock into the scroll compressor.







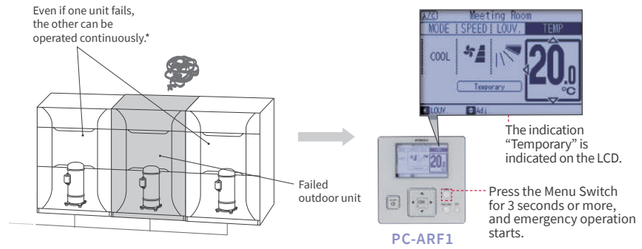
Actual example of the new compressor control



SYSTEM FAILURE PREVENTION

In case of a combination unit

- The Backup Operation Function prevents the system from coming to a complete stop when outdoor unit failure occurs
- If one outdoor unit should fail, the system can continue to operate using the remaining outdoor units
- An alarm is triggered and emergency operation can be activated via an individual remote control
- At least 2 outdoor units (as combined unit) are required for this function
- Emergency operation can be performed within 8 hours after unit stoppage

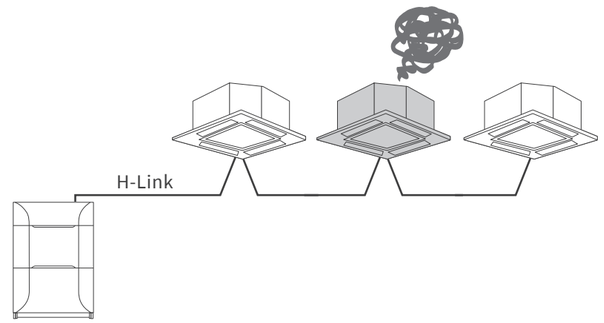


* Emergency operation can be performed within 8 hours after unit stoppage.
Emergency operation cannot be performed when 8 hours have elapsed since unit stoppage.

UNINTERRUPTED OPERATION

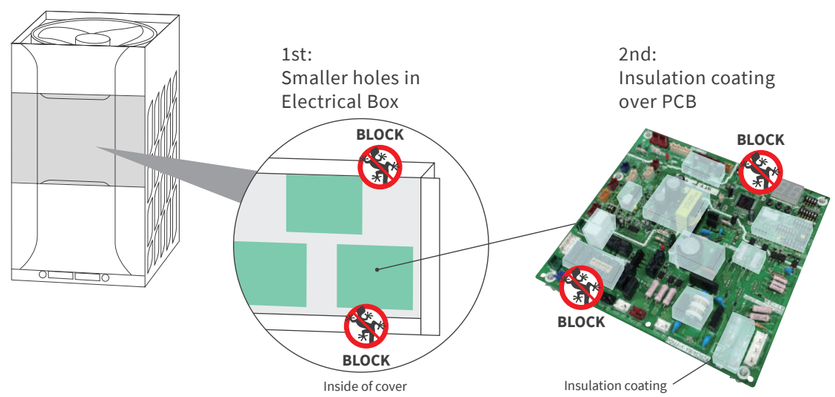
The uninterrupted operation function ensure the entire VRF system's continuous operation even under the situation one of the indoors unit is failed or powered off, thanks to outdoor advanced protection control & Our original communication system H-LINK.

Notes:
*1 System will continue running when one indoor unit is powered off, but it may be shut down due to system protection depending on the operation conditions.
*2 Please restore the indoor unit power as soon as possible, continue to turn off indoor may significantly affect system reliability.



GECKO-PROOF DESIGN

2 STEP GECKO-PROOF



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SPECIFICATIONS

HP class			8HP class	10HP class	12HP class	14HP class	16HP class	18HP class	20HP class	22HP class	24HP class
Model		Unit	RAS-8.0CNBCMQ	RAS-10CNBCMQ	RAS-12CNBCMQ	RAS-14CNBCMQ	RAS-16CNBCMQ	RAS-18CNBCMQ	RAS-20CNBCMQ	RAS-22CNBCMQ	RAS-24CNBCMQ
Power Supply		V/Ph/Hz	380-415/3/50			380-415/3/50			380-415/3/50		
Capacity		kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	68.0
Power Input		kW	4.98	6.91	8.27	11.43	13.43	14.93	16.00	18.09	21.94
Air Flow Rate	Standard	m^3/min	165	170	190	239	256	256	329	329	348
Dimension	H×W×D	mm	1,725×958×782	1,725×958×782	1,725×958×782	1,725×1,218×782	1,725×1,218×782	1,725×1,218×782	1,725×1,608×782	1,725×1,608×782	1,725×1,608×782
Weight	Net	kg	225	226	248	308	310	356	390	415	416
Footprint Area		m^2	0.75	0.75	0.75	0.95	0.95	0.95	1.26	1.26	1.26
Packaging Volume		m^3	1.62	1.62	1.62	2.03	2.03	2.03	2.67	2.67	2.67
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge Amount	kg	5	5	7.2	8.9	9.9	10.7	11.3	11.3	12.6
Refrigerant Oil	Model		FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Charge Amount	L	6.00	6.00	6.00	6.90	6.90	7.90	8.40	8.40	8.40
Number of Fan Motors			1	1	1	2	2	2	2	2	2
Capacity Ratio of IDU/ODU			50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
Noise	Anechoic	dB(A)	57	58	59	60	61	61	62	63	63
	Semi-anechoic	dB(A)	60	61	62	63	64	64	65	66	66
Piping	Liquid	mm	ϕ9.52	ϕ9.52	ϕ12.70	ϕ12.70	ϕ12.70	ϕ15.88	ϕ15.88	ϕ15.88	ϕ15.88
	Gas	mm	ϕ19.05	ϕ22.20	ϕ25.40	ϕ25.40	ϕ28.58	ϕ28.58	ϕ28.58	ϕ28.58	ϕ28.58
Current	Max	A	17.0	23.0	27.0	31.5	35.5	43.5	45.0	52.0	61.5
	Breaker	A	25	32	32	40	50	50	63	63	80
	Cooling	A	8.5	11.8	14.0	18.9	22.1	25.2	26.9	30.1	36.5
Efficiency	EER	W/W	4.50	4.05	4.05	3.50	3.35	3.35	3.50	3.40	3.10
The max IDU connect qty.			13	16	19	23	26	26	33	36	40
Working temp. range			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB		
Refrigerant control mode electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve		
Tubing connection method			Welding connection			Welding connection			Welding connection		
Maximum piping length	Total piping length	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Refrigerant piping length: Actual	m	165	165	165	165	165	165	165	165	165
	Refrigerant piping length: Equivalent	m	190	190	190	190	190	190	190	190	190
	Between "Piping connection kit" and each outdoor unit	m	10	10	10	10	10	10	10	10	10
	Between "1st branch Multi Kit" and farthest indoor unit	m	90	90	90	90	90	90	90	90	90
	Between "Multi Kit" and each indoor unit	m	40	40	40	40	40	40	40	40	40
Maximum level difference	Between outdoor units (combination of base units)	m	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Between outdoor unit and indoor units: ODU above IDU(*)	m	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)
	Between outdoor unit and indoor units: IDU above ODU	m	40	40	40	40	40	40	40	40	40
	Between indoor units	m	30	30	30	30	30	30	30	30	30

Notes:
1. The cooling performances are the values when combined with our test indoor units.
   Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   1 metre from the unit service cover surface, and 1.36 metre from floor level.
   The above data is based on the cooling mode. The above data was measured in a semi-anechoic chamber so that reflected sound should be taken into consideration in the field.

(*) Standard: up to 50 metre/Optional: up to 110 metre.
Longer piping (up to 110 metre) is available for 8 to 54HP class models only.
Maximum level difference for 56-96HP class is 90 metre.

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SPECIFICATIONS

HP class			26HP class	28HP class	30HP class	32HP class	34HP class	36HP class	38HP class	40HP class	42HP class
Combination of single module unit			10+16	12+16	14+16	16+16	16+18	16+20	16+22	16+24	18+24
Model		Unit	RAS-26CNBCMQ	RAS-28CNBCMQ	RAS-30CNBCMQ	RAS-32CNBCMQ	RAS-34CNBCMQ	RAS-36CNBCMQ	RAS-38CNBCMQ	RAS-40CNBCMQ	RAS-42CNBCMQ
Power Supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity		kW	73.0	78.5	85.0	90.0	95.0	101.0	106.5	113.0	118.0
Power Input		kW	20.34	21.70	24.86	26.86	28.36	29.43	31.52	35.37	36.87
Air Flow Rate	Standard	m^3/min	426	446	495	512	512	585	585	604	604
Dimension	H×W×D	mm	1,725×2,196×782	1,725×2,196×782	1,725×2,456×782	1,725×2,456×782	1,725×2,456×782	1,725×2,846×782	1,725×2,846×782	1,725×2,846×782	1,725×2,846×782
Weight	Net	kg	226+310	248+310	308+310	310+310	310+356	310+390	310+415	310+416	356+416
Footprint Area		m^2	0.75+0.95	0.75+0.95	0.95+0.95	0.95+0.95	0.95+0.95	0.95+1.26	0.95+1.26	0.95+1.26	0.95+1.26
Packaging Volume		m^3	1.62+2.03	1.62+2.03	2.03+2.03	2.03+2.03	2.03+2.03	2.03+2.67	2.03+2.67	2.03+2.67	2.03+2.67
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge Amount	kg	14.9	17.1	18.8	19.8	20.6	21.2	21.2	22.5	23.3
Refrigerant Oil	Model		FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Charge Amount	L	12.90	12.90	13.80	13.80	14.80	15.30	15.30	15.30	16.30
Number of Fan Motors			3	3	4	4	4	4	4	4	4
Capacity Ratio of IDU/ODU			50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
Noise	Anechoic	dB(A)	63	63	64	64	64	65	65	65	65
	Semi-anechoic	dB(A)	66	66	67	67	67	68	68	68	68
Piping	Liquid	mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
	Gas	mm	ϕ31.75	ϕ31.75	ϕ31.75	ϕ31.75	ϕ31.75	ϕ38.10	ϕ38.10	ϕ38.10	ϕ38.10
Current	Max	A	23+35.5	27+35.5	31.5+35.5	35.5+35.5	35.5+43.5	35.5+45	35.5+52	35.5+61.5	43.5+61.5
	Breaker	A	32+50	32+50	40+50	50+50	50+50	50+63	50+63	50+80	50+80
	Cooling	A	11.8+22.1	14+22.1	18.9+22.1	22.1+22.1	22.1+25.2	22.1+26.9	22.1+30.1	22.1+36.5	25.2+36.5
Efficiency	EER	W/W	3.59	3.62	3.42	3.35	3.35	3.43	3.38	3.19	3.20
The max IDU connect qty.			43	47	50	53	56	59	64	64	64
Working temp. range			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB		
Refrigerant control mode electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve		
Tubing connection method			Welding connection			Welding connection			Welding connection		
Maximum piping length	Total piping length	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Refrigerant piping length: Actual	m	165	165	165	165	165	165	165	165	165
	Refrigerant piping length: Equivalent	m	190	190	190	190	190	190	190	190	190
	Between "Piping connection kit" and each outdoor unit	m	10	10	10	10	10	10	10	10	10
	Between "1st branch Multi Kit" and farthest indoor unit	m	90	90	90	90	90	90	90	90	90
	Between "Multi Kit" and each indoor unit	m	40	40	40	40	40	40	40	40	40
Maximum level difference	Between outdoor units (combination of base units)	m	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Between outdoor unit and indoor units: ODU above IDU(*)	m	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)
	Between outdoor unit and indoor units: IDU above ODU	m	40	40	40	40	40	40	40	40	40
	Between indoor units	m	30	30	30	30	30	30	30	30	30

Notes:
1. The cooling performances are the values when combined with our test indoor units.
   Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   1 metre from the unit service cover surface, and 1.36 metre from floor level.
   The above data is based on the cooling mode. The above data was measured in a semi-anechoic chamber so that reflected sound should be taken into consideration in the field.

(*) Standard: up to 50 metre/Optional: up to 110 metre.
Longer piping (up to 110 metre) is available for 8 to 54HP class models only.
Maximum level difference for 56-96HP class is 90 metre.

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SPECIFICATIONS

HP class			44HP class	46HP class	48HP class	50HP class	52HP class	54HP class	56HP class	58HP class	60HP class
Combination of single module unit			20+24	22+24	24+24	16+16+18	16+16+20	16+16+22	16+16+24	16+18+24	16+20+24
Model		Unit	RAS-44CNBCMQ	RAS-46CNBCMQ	RAS-48CNBCMQ	RAS-50CNBCMQ	RAS-52CNBCMQ	RAS-54CNBCMQ	RAS-56CNBCMQ	RAS-58CNBCMQ	RAS-60CNBCMQ
Power Supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity		kW	124.0	129.5	136.0	140.0	146.0	151.5	158.0	163.0	169.0
Power Input		kW	37.94	40.03	43.88	41.79	42.86	44.95	48.80	50.30	51.37
Air Flow Rate	Standard	m^3/min	677	677	696	768	841	841	860	860	933
Dimension	H×W×D	mm	1,725×3,236×782	1,725×3,236×782	1,725×3,236×782	1,725×3,694×782	1,725×4,084×782	1,725×4,084×782	1,725×4,084×782	1,725×4,084×782	1,725×4,474×782
Weight	Net	kg	390+416	415+416	416+416	310+310+356	310+310+390	310+310+415	310+310+416	310+356+416	310+390+416
Footprint Area		m^2	1.26+1.26	1.26+1.26	1.26+1.26	0.95×3	0.95+0.95+1.26	0.95+0.95+1.26	0.95+0.95+1.26	0.95+0.95+1.26	0.95+1.26+1.26
Packaging Volume		m^3	2.67+2.67	2.67+2.67	2.67+2.67	2.03+2.03+2.03	2.03+2.03+2.67	2.03+2.03+2.67	2.03+2.03+2.67	2.03+2.03+2.67	2.03+2.67+2.67
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge Amount	kg	23.9	23.9	25.2	30.5	31.1	31.1	32.4	33.2	33.8
Refrigerant Oil	Model		FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Charge Amount	L	16.80	16.80	16.80	21.70	22.20	22.20	22.20	23.20	23.70
Number of Fan Motors			4	4	4	6	6	6	6	6	6
Capacity Ratio of IDU/ODU			50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
Noise	Anechoic	dB(A)	66	66	66	66	66	67	67	67	67
	Semi-anechoic	dB(A)	69	69	69	69	69	70	70	70	70
Piping	Liquid	mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
	Gas	mm	ϕ38.10	ϕ38.10	ϕ38.10	ϕ38.10	ϕ38.10	ϕ38.10	ϕ44.45	ϕ44.45	ϕ44.45
Current	Max	A	45+61.5	52+61.5	61.5+61.5	35.5+35.5+43.5	35.5+35.5+45	35.5+35.5+52	35.5+35.5+61.5	35.5+43.5+61.5	35.5+45+61.5
	Breaker	A	63+80	63+80	80+80	50+50+50	50+50+63	50+50+63	50+50+80	50+50+80	50+63+80
	Cooling	A	26.9+36.5	30.1+36.5	36.5+36.5	22.1+22.1+25.2	22.1+22.1+26.9	22.1+22.1+30.1	22.1+22.1+36.5	22.1+25.2+36.5	22.1+26.9+36.5
Efficiency	EER	W/W	3.27	3.24	3.10	3.35	3.41	3.37	3.24	3.24	3.29
The max IDU connect qty.			64	64	64	64	64	64	64	64	64
Working temp. range			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB		
Refrigerant control mode electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve		
Tubing connection method			Welding connection			Welding connection			Welding connection		
Maximum piping length	Total piping length	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Refrigerant piping length: Actual	m	165	165	165	165	165	165	165	165	165
	Refrigerant piping length: Equivalent	m	190	190	190	190	190	190	190	190	190
	Between "Piping connection kit" and each outdoor unit	m	10	10	10	10	10	10	10	10	10
	Between "1st branch Multi Kit" and farthest indoor unit	m	90	90	90	90	90	90	90	90	90
	Between "Multi Kit" and each indoor unit	m	40	40	40	40	40	40	40	40	40
Maximum level difference	Between outdoor units (combination of base units)	m	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Between outdoor unit and indoor units: ODU above IDU(*)	m	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 110 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)
	Between outdoor unit and indoor units: IDU above ODU	m	40	40	40	40	40	40	40	40	40
	Between indoor units	m	30	30	30	30	30	30	30	30	30

Notes:
1. The cooling performances are the values when combined with our test indoor units.
   Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   1 metre from the unit service cover surface, and 1.36 metre from floor level.
   The above data is based on the cooling mode. The above data was measured in a semi-anechoic chamber so that reflected sound should be taken into consideration in the field.

(*) Standard: up to 50 metre/Optional: up to 110 metre.
Longer piping (up to 110 metre) is available for 8 to 54HP class models only.
Maximum level difference for 56-96HP class is 90 metre.

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SPECIFICATIONS

HP class			62HP class	64HP class	66HP class	68HP class	70HP class	72HP class	74HP class	76HP class	78HP class
Combination of single module unit			16+22+24	16+24+24	18+24+24	20+24+24	22+24+24	24+24+24	16+16+18+24	16+16+20+24	16+16+22+24
Model		Unit	RAS-62CNBCMQ	RAS-64CNBCMQ	RAS-66CNBCMQ	RAS-68CNBCMQ	RAS-70CNBCMQ	RAS-72CNBCMQ	RAS-74CNBCMQ	RAS-76CNBCMQ	RAS-78CNBCMQ
Power Supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity		kW	174.5	181.0	186.0	192.0	197.5	204.0	208.0	214.0	219.5
Power Input		kW	53.46	57.31	58.81	59.88	61.97	65.82	63.73	64.80	66.89
Air Flow Rate	Standard	m^3/min	933	952	952	1,025	1,025	1,044	1,116	1,189	1,189
Dimension	H×W×D	mm	1,725×4,474×782	1,725×4,474×782	1,725×4,474×782	1,725×4,864×782	1,725×4,864×782	1,725×4,864×782	1,725×5,322×782	1,725×5,712×782	1,725×5,712×782
Weight	Net	kg	310+415+416	310+416+416	356+416+416	390+416+416	415+416+416	416+416+416	310+310+356+416	310+310+390+416	310+310+415+416
Footprint Area		m^2	0.95+1.26+1.26	0.95+1.26+1.26	0.95+1.26+1.26	1.26+1.26+1.26	1.26+1.26+1.26	1.26+1.26+1.26	0.95+0.95+0.95+1.26	0.95+0.95+1.26+1.26	0.95+0.95+1.26+1.26
Packaging Volume		m^3	2.03+2.67+2.67	2.03+2.67+2.67	2.03+2.67+2.67	2.67+2.67+2.67	2.67+2.67+2.67	2.67+2.67+2.67	2.03+2.03+2.03+2.67	2.03+2.03+2.67+2.67	2.03+2.03+2.67+2.67
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge Amount	kg	33.8	35.1	35.9	36.5	36.5	37.8	43.1	43.7	43.7
Refrigerant Oil	Model		FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Charge Amount	L	23.70	23.70	24.70	25.20	25.20	25.20	30.10	30.60	30.60
Number of Fan Motors			6	6	6	6	6	6	8	8	8
Capacity Ratio of IDU/ODU			50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
Noise	Anechoic	dB(A)	67	67	67	67	68	68	68	68	68
	Semi-anechoic	dB(A)	70	70	70	70	71	71	71	71	71
Piping	Liquid	mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ22.20	ϕ22.20	ϕ22.20	ϕ22.20	ϕ22.20	ϕ22.20
	Gas	mm	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45	ϕ50.80	ϕ50.80	ϕ50.80
Current	Max	A	35.5+52+61.5	35.5+61.5+61.5	43.5+61.5+61.5	45+61.5+61.5	52+61.5+61.5	61.5×3	35.5+35.5+43.5+61.5	35.5+35.5+45+61.5	35.5+35.5+52+61.5
	Breaker	A	50+63+80	50+80+80	50+80+80	63+80+80	63+80+80	80×3	50+50+50+80	50+50+63+80	50+50+63+80
	Cooling	A	22.1+30.1+36.5	22.1+36.5+36.5	25.2+36.5+36.5	26.9+36.5+36.5	30.1+36.5+36.5	36.5×3	22.1+22.1+25.2+36.5	22.1+22.1+26.9+36.5	22.1+22.1+30.1+36.5
Efficiency	EER	W/W	3.26	3.16	3.16	3.21	3.19	3.10	3.26	3.30	3.28
The max IDU connect qty.			64	64	64	64	64	64	64	64	64
Working temp. range			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB		
Refrigerant control mode electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve		
Tubing connection method			Welding connection			Welding connection			Welding connection		
Maximum piping length	Total piping length	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Refrigerant piping length — Actual	m	165	165	165	165	165	165	165	165	165
	Refrigerant piping length — Equivalent	m	190	190	190	190	190	190	190	190	190
	Between "Piping connection kit" and each outdoor unit	m	10	10	10	10	10	10	10	10	10
	Between "1st branch Multi Kit" and farthest indoor unit	m	90	90	90	90	90	90	90	90	90
	Between "Multi Kit" and each indoor unit	m	40	40	40	40	40	40	40	40	40
Maximum level difference	Between outdoor units (combination of base units)	m	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Between outdoor unit and indoor units — ODU above IDU(*)	m	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)
	Between outdoor unit and indoor units — IDU above ODU	m	40	40	40	40	40	40	40	40	40
	Between indoor units	m	30	30	30	30	30	30	30	30	30

Notes:
1. The cooling performances are the values when combined with our test indoor units.
   Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   1 metre from the unit service cover surface, and 1.36 metre from floor level.
   The above data is based on the cooling mode. The above data was measured in a semi-anechoic chamber so that reflected sound should be taken into consideration in the field.

(*) Standard: up to 50 metre/Optional: up to 110 metre.
Longer piping (up to 110 metre) is available for 8 to 54HP class models only.
Maximum level difference for 56-96HP class is 90 metre.

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SPECIFICATIONS

HP class			80HP class	82HP class	84HP class	86HP class	88HP class	90HP class	92HP class	94HP class	96HP class
Combination of single module unit			20×4	20×3+22	20×3+24	20+20+22+24	20+20+24+24	20+22+24+24	20+24×3	22+24×3	24×4
Model		Unit	RAS-80CNBCMQ	RAS-82CNBCMQ	RAS-84CNBCMQ	RAS-86CNBCMQ	RAS-88CNBCMQ	RAS-90CNBCMQ	RAS-92CNBCMQ	RAS-94CNBCMQ	RAS-96CNBCMQ
Power Supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity		kW	224.0	229.5	236.0	241.5	248.0	253.5	260.0	265.5	272.0
Power Input		kW	64.00	66.09	69.94	72.03	75.88	77.97	81.82	83.91	87.76
Air Flow Rate	Standard	m^3/min	1,316	1,316	1,335	1,335	1,354	1,354	1,373	1,373	1,392
Dimension	H×W×D	mm	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782	1,725×6,492×782
Weight	Net	kg	390+390+390+390	390+390+390+415	390+390+390+416	390+390+415+416	390+390+416+416	390+415+416+416	390+416+416+416	415+416+416+416	416+416+416+416
Footprint Area		m^2	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26	1.26+1.26+1.26+1.26
Packaging Volume		m^3	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67	2.67+2.67+2.67+2.67
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge Amount	kg	45.2	45.2	46.5	46.5	47.8	47.8	49.1	49.1	50.4
Refrigerant Oil	Model		FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Charge Amount	L	33.60	33.60	33.60	33.60	33.60	33.60	33.60	33.60	33.60
Number of Fan Motors			8	8	8	8	8	8	8	8	8
Capacity Ratio of IDU/ODU			50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
Noise	Anechoic	dB(A)	68	68	68	69	69	69	69	69	69
	Semi-anechoic	dB(A)	71	71	71	72	72	72	72	72	72
Piping	Liquid	mm	ϕ22.20	ϕ22.20	ϕ22.20	ϕ22.20	ϕ22.20	ϕ25.40	ϕ25.40	ϕ25.40	ϕ25.40
	Gas	mm	ϕ50.80	ϕ50.80	ϕ50.80	ϕ50.80	ϕ50.80	ϕ50.80	ϕ50.80	ϕ50.80	ϕ50.80
Current	Max	A	45×4	45×3+52	45×3+61.5	45×2+52+61.5	45+45+61.5+61.5	45+52+61.5+61.5	45+61.5×3	52+61.5×3	61.5×4
	Breaker	A	63×4	63×3+63	63×3+80	63×2+63+80	63+63+80+80	63+63+80+80	63+80×3	63+80×3	80×4
	Cooling	A	26.9×4	26.9×3+30.1	26.9×3+36.5	26.9×2+30.1+36.5	26.9+26.9+36.5+36.5	26.9+30.1+36.5+36.5	26.9+36.5×3	30.1+36.5×3	36.5×4
Efficiency	EER	W/W	3.50	3.47	3.37	3.35	3.27	3.25	3.18	3.16	3.10
The max IDU connect qty.			64	64	64	64	64	64	64	64	64
Working temp. range			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB			Stable work at 10.0~48.0°C DB and interval at 48.0~52.0°C DB		
Refrigerant control mode electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve			Microcomputer-controlled electronic expansion valve		
Tubing connection method			Welding connection			Welding connection			Welding connection		
Maximum piping length	Total piping length	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Refrigerant piping length: Actual	m	165	165	165	165	165	165	165	165	165
	Refrigerant piping length: Equivalent	m	190	190	190	190	190	190	190	190	190
	Between "Piping connection kit" and each outdoor unit	m	10	10	10	10	10	10	10	10	10
	Between "1st branch Multi Kit" and farthest indoor unit	m	90	90	90	90	90	90	90	90	90
	Between "Multi Kit" and each indoor unit	m	40	40	40	40	40	40	40	40	40
Maximum level difference	Between outdoor units (combination of base units)	m	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Between outdoor unit and indoor units: ODU above IDU(*)	m	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)	50 (standard) up to 90 (optional)
	Between outdoor unit and indoor units: IDU above ODU	m	40	40	40	40	40	40	40	40	40
	Between indoor units	m	30	30	30	30	30	30	30	30	30

Notes:
1. The cooling performances are the values when combined with our test indoor units.
   Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
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2. The sound pressure is based on the following conditions.
   1 metre from the unit service cover surface, and 1.36 metre from floor level.
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(*) Standard: up to 50 metre/Optional: up to 110 metre.
Longer piping (up to 110 metre) is available for 8 to 54HP class models only.
Maximum level difference for 56-96HP class is 90 metre.

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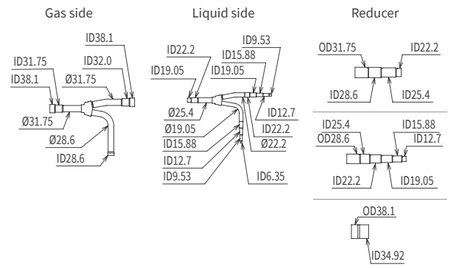
OPTIONAL PARTS

PIPING CONNECTION KIT

Model	Outdoor unit capacity	Number of modules of 1 outdoor unit
M-30SNQ	26-34HP class	2
M-46SNQ	36-48HP class	2
M-30SNQ+M-46SNQ	50-54HP class	3
M-30SNQ+M-68SNQ	56-72HP class	3
M-30SNQ+M-30SNQ+M-68SNQ	74-96HP class	4

Example: M-30SNQ



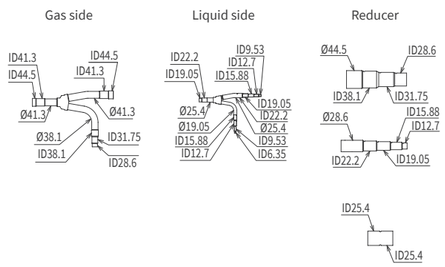
MULTI-KIT

1) 1st branch Multi-kit

Main Piping ≥ 100m	
Model	Outdoor unit capacity
E-162SN	8-10HP class
E-242SN	12-14HP class
E-302SN	16-24HP class
E-462SN	26-54HP class
E-682SN	56-96HP class

Main Piping < 100m	
Model	Outdoor unit capacity
E-102SN	8-10HP class
E-162SN	12-16HP class
E-242SN	18-24HP class
E-302SN	26-54HP class
E-462SN	56-72HP class
E-682SN	74-96HP class

Example: E-462SN



2) Multi-kit after 1st branch and pipe diameter

Model	Q= Total indoor unit capacity (kW)	Diameter (mm)	
		Gas Pipe	Liquid Pipe
E-102SN	Q ≤ 15.9	15.88	9.52
	16 ≤ Q < 25	19.05	9.52
	25 ≤ Q < 33.5	22.2	9.52
E-162SN	33.5 ≤ Q < 45	25.4	12.7
	45 ≤ Q < 50	28.58	12.7
E-242SN	50 ≤ Q < 72.9	28.58	15.88
E-302SN	72.9 ≤ Q < 100.8	31.75	19.05
	100.8 ≤ Q < 156.8	38.1	19.05
E-462SN	156.8 ≤ Q < 190.4	44.45	19.05
	190.4 ≤ Q < 207.2	44.45	22.2
E-682SN	207.2 ≤ Q < 252	50.8	22.2
	252 ≤ Q < 274.4	50.8	25.4
	274.4 ≤ Q < 349.5	50.8	28.58

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VRF INDOOR UNITS

33 SOLUTIONS TO BE MEMORIZED

37 DUCTED

39 HIGH ESP TYPE [RPIH-HNAUNQ, RPI-FSNQ] (AC MOTOR TYPE)
MEDIUM ESP TYPE [RPIM-HNAUNQ, RPI-FSN3Q] (AC MOTOR TYPE)
40 LOW ESP TYPE [RPIL-HNAUNQ] (AC MOTOR TYPE)
COMPACT TYPE [RPIZ-HNDTSQ] (DC MOTOR TYPE)
41 COMPACT TYPE [RPIZ-HNATNQ] (AC MOTOR TYPE)

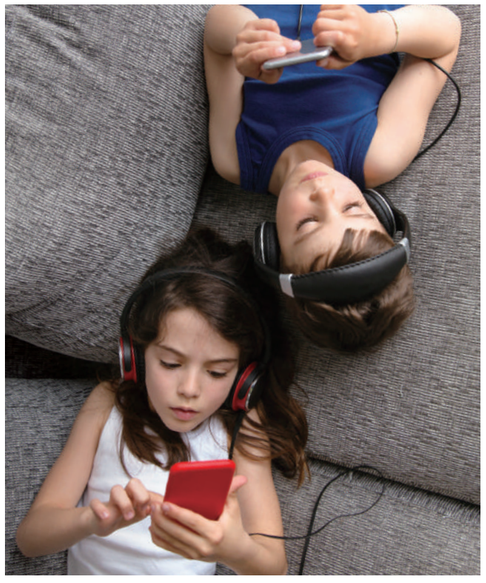
43 CEILING CASSETTE

45 Silent-Iconic™ (4-WAY CASSETTE RCI-FSRP DESIGN PANEL) NEW
47 4-WAY CASSETTE TYPE [RCI-FSRP/RCI-FSKDNQ] (DC MOTOR TYPE) NEW
48 4-WAY CASSETTE COMPACT TYPE [RCIM-FSRE] (DC MOTOR TYPE) NEW
49 2-WAY CASSETTE TYPE [RCD-FSR] (DC MOTOR TYPE) NEW
50 1-WAY CASSETTE TYPE [RCS-FSR] (DC MOTOR TYPE) NEW

51 CONCEALED & EXPOSED

53 WALL MOUNTED TYPE [RPK-FSRM] (DC MOTOR TYPE) NEW
54 WALL MOUNTED TYPE [RPK-HNBUSQ] (DC MOTOR TYPE) NEW
55 FLOOR/CEILING CONVERTIBLE TYPE [RPFC-FSNQ] (AC MOTOR TYPE)
56 CEILING SUSPENDED TYPE [RPC-FSR] (DC MOTOR TYPE) NEW
57 FLOOR CONCEALED TYPE [RPFI-FSNQ] (AC MOTOR TYPE)

58 GENERAL DATA & ACCESSORIES



INDOOR LIFE

At work or at home, you want to be in control of your indoor environment.
Of course that environment can take many forms, so the new SET FREE Σ range offers you the widest choice of indoor units, with the versatility to complement any interior.
Named after the distinctive shape of its patented heat exchanger, SET FREE Σ is a next generation VRF system, setting new standards in power, reliability and efficiency.
From small spaces to the largest buildings, you can create your own living harmony.

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SOLUTIONS TO BE MEMORIZED

WIDE LINE-UP FOR ANY TYPE OF ROOMS

DUCTED

HIGH ESP TYPE (AC MOTOR TYPE)
RPIH-HNAUNQ, RPI-FSNQ

· Cooling Capacity: 8.4-28.0kW ESP: High ESP (90/120/180Pa)

MEDIUM ESP TYPE (AC MOTOR TYPE)
RPIM-HNAUNQ, RPI-FSN3Q

· Cooling Capacity: 2.2-28.0kW ESP: Medium ESP (50/80Pa for 0.8-2.5HP class, 100Pa for 8.0-10.0HP class)

LOW ESP TYPE (AC MOTOR TYPE)
RPIL-HNAUNQ

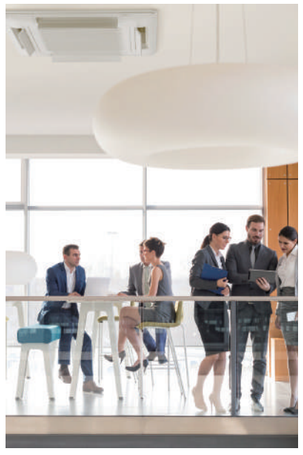
· Cooling Capacity: 2.2-16.0kW ESP: Low ESP (30Pa for 0.8-2.5HP class, 60Pa for 3.0-6.0HP class)

COMPACT TYPE (DC MOTOR TYPE)
RPIZ-HNDTSQ

· Cooling Capacity: 2.2-7.1kW Fan air flow rate up to 6 taps (DC motor model only) ESP: 10/30Pa

COMPACT TYPE (AC MOTOR TYPE)
RPIZ-HNATNQ

· Cooling Capacity: 2.2-7.1kW ESP: 10/30Pa



CASSETTE

4-WAY CASSETTE TYPE (DC MOTOR TYPE)
RCI-FSRP

NEW

Color variation (RCI-FSRP)

· Neutral White, Black, Gray and Beige options
· Reasonable offering to meet your comfort and operation

4-WAY CASSETTE TYPE + SMART SENSORS
RCI-FSRP+P-AP160NAE2

· Adaptive comfort for real life by multiple advanced comfort settings

4-WAY CASSETTE TYPE
RCI-FSKDNQ

· Economic yet efficient solution for your commercial indoor space

Silent-Iconic™
P-GP160NAP, P-GP160NAPU

NEW

· The indoor air conditioning unit that makes a statement without making "noise"

4-WAY CASSETTE COMPACT TYPE (DC MOTOR TYPE)
RCIM-FSRE

NEW

· Compact 600×600mm fits a standard ceiling grid, allowing it to be easily incorporated between lighting panels

2-WAY CASSETTE TYPE (DC MOTOR TYPE)
RCD-FSR

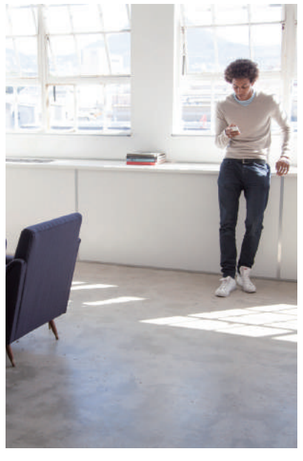
NEW

· Ideal for long, narrow spaces
· Install in the center of the room, it ventilates length-ways to provide a consistent temperature

1-WAY CASSETTE TYPE (DC MOTOR TYPE)
RCS-FSR

NEW

· Ideal for smaller or narrow spaces, the 1-Way Cassette can be installed in a corner or on the window side of the room



OTHERS

WALL MOUNTED TYPE (DC MOTOR TYPE)
RPK-FSRM

NEW

· More precise and tailored comfort fo you

WALL MOUNTED TYPE (DC MOTOR TYPE)
RPK-HNBUSQ

NEW

· Economic choice for any type of room
· Display set-temperature and operation mode on front cover by LED

FLOOR/CEILING CONVERTIBLE TYPE (AC MOTOR TYPE)
RPFC-FSNQ

· A functional solution for performance and practicality

CEILING SUSPENDED TYPE (DC MOTOR TYPE)
RPC-FSR

NEW

· Easily installed in spaces where there is no ceiling cavity or available floor space

FLOOR CONCEALED TYPE (AC MOTOR TYPE)
RPFI-FSNQ

· Can be installed in floor cavities and walls

SOLUTIONS TO BE MEMORIZED

TEMPERATURE MANAGEMENT FOR SUPERIOR COMFORT

GENTLECOOL

RCI-FSRP (all panels) RCI-FSKDNQ | RCIM-FSRE | RCD-FSR | RCS-FSR | RPK-FSRM | RPC-FSR | PC-ARF1 | PC-ARFG

Set your comfortable temperature not only for "Room" but also for "Air" in cooling operation. To make your room reach to the desired temperature faster, the discharged air from the indoor unit can be sometimes much cooler, causing discomfort at the beginning of operation. Now, you can choose "discharge air temperature = your own comfort level", as you like, by our Advanced color wire remote controller PC-ARFG & Advanced wired remote controller PC-ARF1. You can be in comfort and avoid cold draft from the moment when cooling operation starts, while the room gently cools down.

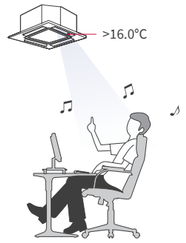
Potential Discomfort

GentleCool: OFF

GentleCool → No Cold Draft

GentleCool: LOW

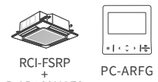
GentleCool: MED



GentleCool: HIGH

CROWD-SENSE NEW

Adjusting capacity by predicting room temperature changes due to an increase or decrease in human activity



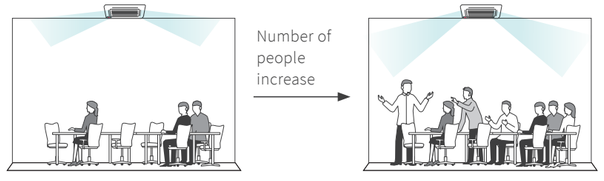
RCI-FSRP + P-AP160NAE2 | PC-ARFG

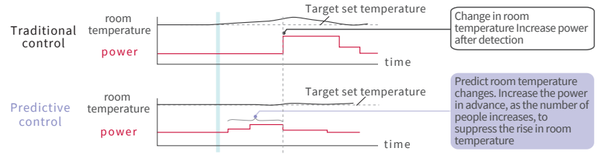
The motion and radiant temperature sensors detect changes in the number of people in the area and changes in the heat source and predict changes in room temperature. This CROWD-SENSE feature activated by "Predictive crowd adjustment mode" adjusts the air conditioning capacity and suppresses fluctuations in room temperature.

· It may not be effective when operating multiple indoor units.
· This feature may not work if the variation in the number of people is minimal or if the heat source is small.
· When the room temperature is high and the temperature difference between the radiant temperature of the floor or wall and the surface temperature of the human body is small, it may not be possible to estimate the variation in the number of people. (When the room temperature is about 30° C during the cooling process in summer, etc.)

During the cooling function

If there is a lot of change in the number of people, such as during a meeting, the capacity is adjusted by predicting changes in room temperature.





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SOLUTIONS TO BE MEMORIZED

TEMPERATURE MANAGEMENT FOR SUPERIOR COMFORT

DIRECT OR INDIRECT AIRFLOW CHOICE NEW

RCI-FSRP + P-AP160NAE2 | PC-ARFG | PC-ARF1

The presence or absence of human activity is detected through our advanced "motion sensor" which can sense the area by 4 zones, and the air flow direction is automatically adjusted for each zone.

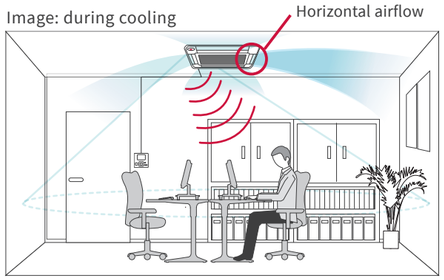
The air conditioning sensing area is divided into 4 zones through motion sensor. Each zone corresponds to ONE louver. Selecting "Indirect" or "Direct" automatically adjusts the direction of the air flow[*1] for each zone with human activity.

*1 In case of "absence" area , air is blown out the way PC-ARFG is set up.
(Note) Concerning "Motion Sensor"
· If movement is little even when the room is occupied, "Motion Sensor" may not be able to detect the activity and it can operate as "absence" case.
· If an object with a temperature different from the surrounding temperature is in motion, it may be erroneously detected as human activity.

INDIRECT AIR DISTRIBUTION

Conditioning the air by horizontal airflow only so that people won't get hit by the direct air blow

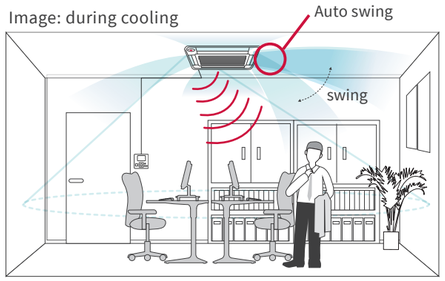
Image: during cooling



DIRECT AIR DISTIBUTION

Conditioning the air by Auto-Swing airflow so that people can feel the direct cold air

Image: during cooling



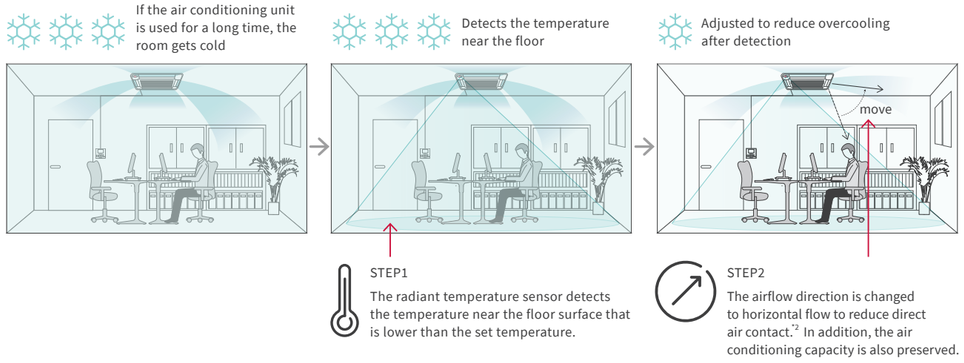
FLOORSENSE COOL NEW

RCI-FSRP + P-AP160NAE2 | PC-ARFG

Detects the temperature near the floor to reduce overcooling

When the room has undergone prolonged cooling, the radiant temperature near the floor is detected and the air flow is automatically reduced, thus reducing the air conditioning capacity and preventing overcooling. [*1]

*1 When a group of people return to the room or the room temperature rises due to sunlight, the cooling operation returns to normal.
*2 Air flow contact varies depending on the capacity of the indoor unit and the height of the ceiling.



SOLUTIONS TO BE MEMORIZED

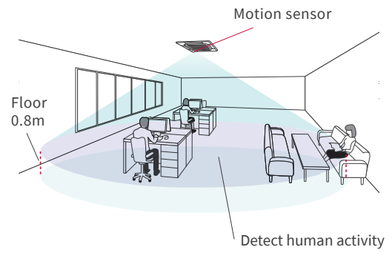
FOR YOUR SMARTER OPERATION

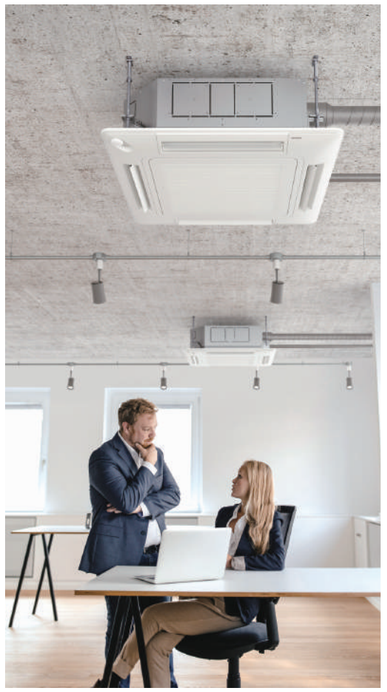
POWER-SAVING MOTION SENSOR (AUTO-OFF)

The optional motion sensor enables extra energy savings by sensing the degree of activity in a room and automatically adjusting the air output to suit.

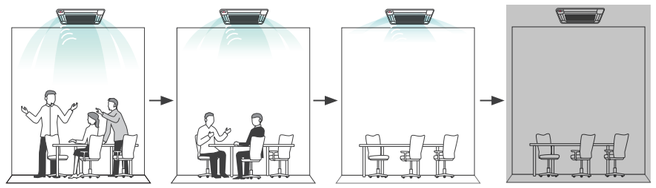
RCI-FSRP (P-AP160NAE2) RCI-FSKDNQ (PS-MSK2) | RCIM-FSRE (SOR-NEC) | RCD-FSR (SOR-NED) | RCS-FSR (SOR-NES) | RPC-FSR (SOR-NEP) | PC-ARF1 | PC-ARFG

Image





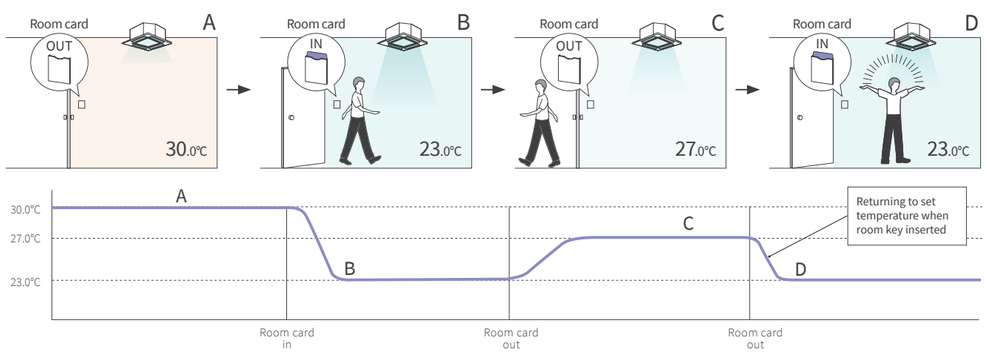
How does it work?
Detects the amount of human activity and activates auto-save.



HOTEL SETBACK

RCI-FSRP (all panels) RCI-FSKDNQ | RCIM-FSRE | RCD-FSR | RCS-FSR | RPC-FSR | PC-ARF1 | PC-ARFG

Off set the temperature when the space is not occupied reducing the power consumption



DUCTED

KEY INFORMATION

FEATURES TO SUIT YOUR PROJECT SPACE

The new SET FREE Σ range offers our widest choice of indoor units to give you the versatility to complement any interior.

HIGH ESP TYPE (AC MOTOR TYPE)
[RPIH-HNAUNQ, RPI-FSNQ]
- High ESP (90/120/180Pa)
- Space saving design thanks to a height of only 300mm (RPIH-HNAUNQ)

MEDIUM ESP TYPE (AC MOTOR TYPE)
[RPIM-HNAUNQ, RPI-FSN3Q]
- Medium ESP (50/80Pa for 0.8-2.5HP class, 100Pa for 8.0-10.0HP class)
- Space saving design thanks to a height of only 270mm (0.8-2.5HP class) or 470mm (8.0-10.0HP class)

LOW ESP TYPE (AC MOTOR TYPE)
[RPIL-HNAUNQ]
- Low ESP (30Pa for 0.8-2.5HP class, 60Pa for 3.0-6.0HP class)
- Space saving design thanks to a height of only 270mm (0.8-2.5HP class) or 350mm (3.0-6.0HP class)

COMPACT TYPE(DC MOTOR TYPE)
[RPIZ-HNDTSQ]
- Ideal for installation over the closet or windows thanks to the up to the compactness with 192mm height
- Drain-pump with 900mm lift as standard optional part
- Quiet operation level (as low as 20dB(A))
- Fan air flow rate up to 6 taps (DC motor model only)

COMPACT TYPE (AC MOTOR TYPE)
[RPIZ-HNATNQ]
- Ideal for installation over the closet or windows thanks to the up to the compactness with 192mm height
- Drain-pump with 900mm lift as standard optional part
- Quiet operation level (as low as 20dB(A))

COMPARISON

	IDU Category	Cooling (kW)	2.2	2.8	3.6	4.0	4.3	5.0	5.6	6.3	7.1	8.0	8.4	9.0	11.2	14.0	14.2	16.0	18.0	22.4	28.0
DUCTED	HIGH ESP TYPE (AC MOTOR TYPE) [RPIH-HNAUNQ, RPI-FSNQ]												●	●	●		●	●		●	●
	MEDIUM ESP TYPE (AC MOTOR TYPE) [RPIM-HNAUNQ, RPI-FSN3Q]		●	●	●		●	●	●	●	●									●	●
	LOW ESP TYPE (AC MOTOR TYPE) [RPIL-HNAUNQ]		●	●	●		●	●	●	●	●		●	●	●		●	●			
	COMPACT TYPE (DC MOTOR TYPE) [RPIZ-HNDTSQ]		●	●	●	●		●	●	●	●										
	COMPACT TYPE (AC MOTOR TYPE) [RPIZ-HNATNQ]		●	●	●	●		●	●	●	●										

FEATURES COMPARISON

	Model		HIGH ESP TYPE (AC motor)	HIGH/MEDIUM ESP TYPE (8/10HP class) (AC motor)	MEDIUM/LOW ESP TYPE (AC motor)	COMPACT TYPE (DC motor)	COMPACT TYPE (AC motor)
			RPIH-HNAUNQ	RPI-FSNQ RPI-FSN3Q	RPIM-HNAUNQ RPIL-HNAUNQ	RPIZ-HNDTSQ	RPIZ-HNATNQ
COMFORT	Temperature Setting Rate		1.0°C	1.0°C	1.0°C	1.0°C	1.0°C
	Indoor Fan Speed		3 taps	1 tap	3 taps	6 taps	3 taps
	Louver Direction		-	-	-	-	-
	Individual Louver Setting		-	-	-	-	-
	Auto Louver Setting		-	-	-	-	-
	Dry mode Availability		●	●	●	●	●
	Setback (Away Function)		-	-	-	-	-
	Cold Draft Prevention Availability (*3)		●	●	●	●	●
	Comfort setting Control Cool Air (GentleCool) (*1)		-	-	-	-	-
	Direct/Indirect louver direction in COOL		-	-	-	-	-
	FloorSense Cool air flow control		-	-	-	-	-
POWER-SAVING	Power Saving with Motion Sensor (*1)		-	-	-	-	-
	Outdoor Unit capacity control (*1)	Peak cut control	-	-	-	-	-
		moderate control	-	-	-	-	-
	Indoor Unit Rotation Control (*1)	Indoor Unit Address	-	-	-	-	-
		Indoor Air Temperature difference	-	-	-	-	-
	Automatic Fan Operation		●	●	●	●	●
MENU	Quick Function (*1)		-	-	-	-	-
	Daylight Saving Time		●	●	●	●	●
	Power Consumption visualization (*1)		-	-	-	-	-
	Weekly Schedule Setting		●	●	●	●	●
	Power-Saving Setting (*1)		-	-	-	-	-
MAINTENANCE	Dirty Filter Notice Availability		●	●	●	●	●
	Check Menu	Sensor Condition Check	●	●	●	●	●
		Model Display (*1)	-	-	-	-	-
		Indoor/Outdoor PCB Check	●	●	●	●	●
		Alarm History Display	●	●	●	●	●
OPTIONAL ACCESSORY	Motion Sensor		-	-	-	-	-
	Receiver Kit for wireless remote controller		PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1
	Drain-up mechanism availability		DUPI-361Q	DUPI-15H2Q	DUPI-131Q DUPI-361Q	● (*2)	● (*2)
	Air filter		KW-PP9/10Q	-	KW-PP7/ 8/9/10Q	KW-PP5Q KW-PP6Q	KW-PP5Q KW-PP6Q
	ViroSense Ionizer Kit NEW		●	-	●	●	●

(*1) Advanced wired remote controller PC-ARF1 needs to be connected.
(*2) Included as standard equipment.
(*3) Please consult your distributor.

ViroSense Ionizer Kit NEW

Leads to the better Indoor Air Quality

Features
- Up to 96.85% capture of viruses and bacteria
- Down to PM0.3 micro particle removal
- Pollutant removal
- Active oxygen generation

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HIGH ESP TYPE (HIGH EXTERNAL STATIC PRESSURE TYPE)
(AC MOTOR TYPE) [RPIH-HNAUNQ, RPI-FSNQ]

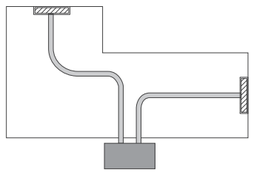
FEATURES AND BENEFITS

1) High ESP (90/120/180Pa)

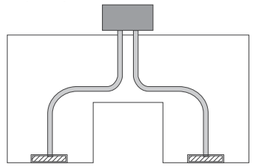
2)Space saving design thanks to a height of only 300mm (RPIH-HNAUNQ)

3) Flexible installation
options allow for multiple configurations

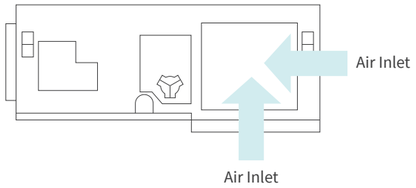
L-shaped space



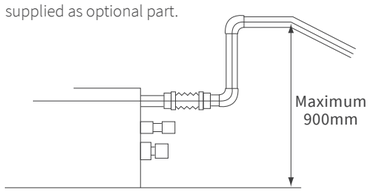
U-shaped space



4) Air Inlet



5) Optional Drain Pump
Drain-up mechanism can be supplied as optional part.



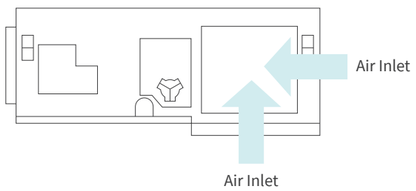
MEDIUM ESP TYPE (MEDIUM EXTERNAL STATIC PRESSURE TYPE)
(AC MOTOR TYPE) [RPIM-HNAUNQ, RPI-FSN3Q]

FEATURES AND BENEFITS

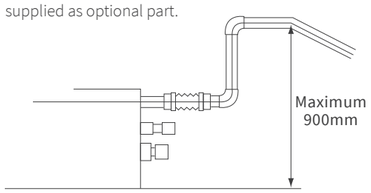
1) Medium ESP (50/80Pa for 0.8-2.5HP class, 100Pa for 8.0-10.0HP class)

2) Space saving design thanks to a height of only 270mm
(0.8-2.5HP class) or 470mm (8.0-10.0HP class)

3) Air Inlet



4) Optional Drain Pump
Drain-up mechanism can be supplied as optional part.



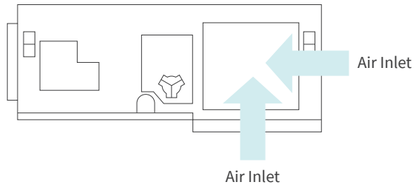
LOW ESP TYPE (LOW EXTERNAL STATIC PRESSURE TYPE)
(AC MOTOR TYPE) [RPIL-HNAUNQ]

FEATURES AND BENEFITS

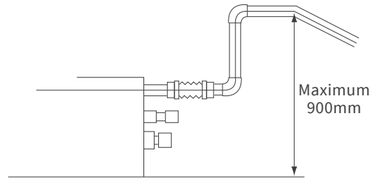
1) Low ESP (30Pa for 0.8-2.5HP class, 60Pa for 3.0-6.0HP class)

2) Space saving design thanks to a height of only 270mm
(0.8-2.5HP class) or 300mm (3.0-6.0HP class)

3) Air Inlet



4) Optional Drain Pump
Drain-up mechanism can be supplied as optional part.



COMPACT TYPE
(DC MOTOR TYPE) [RPIZ-HNDTSQ]

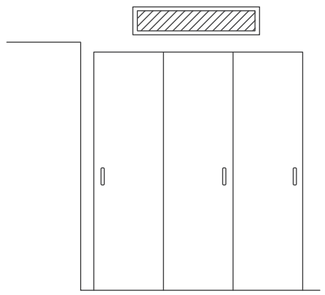
FEATURES AND BENEFITS

1) Ideal for installation over the closet or windows thanks to the up to the compactness with 192mm height

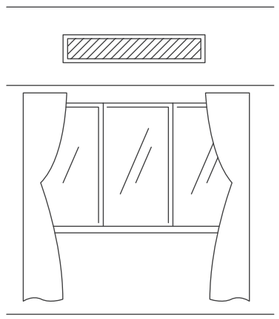
2) Drain-pump with 900mm lift as standard optional part

3) Quiet operation level (as low as 22.5dB(A))

4) Fan air flow rate up to 6 taps (DC motor model only)



Over the closet



In dropped ceiling, over window

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DUCTED

COMPACT TYPE

(AC MOTOR TYPE) [RPIZ-HNDTNQ]

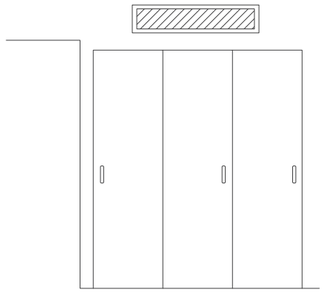
FEATURES AND BENEFITS

1) Ideal for installation over the closet or windows thanks to the up to the compactness with 192mm height

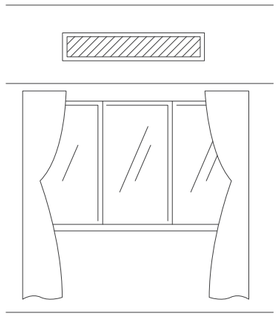
2) Drain-pump with 900mm lift as standard optional part

3) Quiet operation level (as low as 20dB(A))

4) Fan air flow rate up to 6 taps (DC motor model only)



Over the closet



In dropped ceiling, over window

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CEILING CASSETTE

KEY INFORMATION

FEATURES TO SUIT YOUR PROJECT SPACE

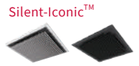
The new SET FREE Σ range offers our widest choice of indoor units to give you the versatility to complement any interior.

NEW

Twin-Sense panel
(P-AP160NAE2)

4-WAY CASSETTE TYPE(DC MOTOR TYPE)
[RCI-FSRP]
(with P-AP160NAE2)
· Greater performance & Greater comfort can be achieved
(with P-GP160NAP)
· Award-winning Silent-Iconic™ to fit your indoor aesthetics.
· We have also Black type Silent-Iconic™, and, Gray/Beige normal panel.
(with P-GP160NAPU)
· Maintenance will be enormously improved by the auto-elevation grille.

Silent-Iconic™



Color variation (RCI-FSRP)

Silent-Iconic™
with Elevation Grille

4-WAY CASSETTE TYPE(DC MOTOR TYPE)
[RCI-FSKDNQ]
· With area of air distribution with 7 direction of louvers (distribution with distance available with optional parts (duct flange))
· Motion sensor available for better energy saving operation
· Individual four-way louvres for greater comfort for individual users
· Ideal for a higher ceiling location for installation (up to 5.5m in cooling mode)
· Setback temperature control available, leading to better operation.
· GentleCool control to ensure you are not bothered by cold draft

NEW

4-WAY CASSETTE COMPACT TYPE(DC MOTOR TYPE)
[RCIM-FSRE]
· Made to give you greater design flexibility as the dimensions fit 600mm×600mm architectural module ceiling specifications
· Quiet operation level (as low as 24.5dB(A))
· Wide range of air flow rate ideal for high ceiling installation with 4.6m air blow down in cooling mode
· Setback temperature control available, leading to better operation.
· Motion sensor available for better energy saving operation
· GentleCool control to ensure you are not bothered by cold draft

NEW

2-WAY CASSETTE TYPE(DC MOTOR TYPE)
[RCD-FSR]
· Motion sensor available for better energy saving operation
· Ideal for a higher ceiling location for installation (up to 4.6m in cooling mode)
· Individually operated louvers give room occupants more comfort
· Quiet operation level (as low as 27dB(A))
· Setback temperature control available, leading to better operation.
· GentleCool control to ensure you are not bothered by cold draft

NEW

1-WAY CASSETTE TYPE(DC MOTOR TYPE)
[RCS-FSR]
· Motion sensor available for better energy saving operation
· Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both
· Quiet operation level (as low as 27dB(A))
· Setback temperature control available, leading to better operation.
· GentleCool control to ensure you are not bothered by cold draft

COMPARISON

IDU Category		Cooling (kW)	1.6	2.2	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
CEILING CASSETTE	4-WAY CASSETTE TYPE (DC MOTOR TYPE) [RCI-FSRP, RCI-FSKDNQ]	NEW			●	●	●	●	●	●	●	●
CEILING CASSETTE	4-WAY CASSETTE COMPACT TYPE (DC MOTOR TYPE) [RCIM-FSRE]	NEW	●	●	●	●	●	●				
CEILING CASSETTE	2-WAY CASSETTE TYPE (DC MOTOR TYPE) [RCD-FSR]	NEW		●	●	●	●	●	●	●	●	●
CEILING CASSETTE	1-WAY CASSETTE TYPE (DC MOTOR TYPE) [RCS-FSR]	NEW		●	●	●	●	●	●			

FEATURES COMPARISON

Model			4-WAY CASSETTE TYPE (DC MOTOR TYPE)		4-WAY CASSETTE COMPACT TYPE (DC MOTOR TYPE)	2-WAY CASSETTE TYPE (DC MOTOR TYPE)	1-WAY CASSETTE TYPE (DC MOTOR TYPE)
			NEW RCI-FSRP	RCI-FSKDNQ	NEW RCIM-FSRE	NEW RCD-FSR	NEW RCS-FSR
COMFORT	Temperature Setting Rate		0.5°C/1.0°C	0.5°C/1.0°C	0.5°C/1.0°C	0.5°C/1.0°C	0.5°C/1.0°C
COMFORT	Indoor Fan Speed		4 taps	4 taps	4 taps	4 taps	4 taps
COMFORT	Louver Direction		7 (*3)	7 (*3)	7 (*3)	7 (*3)	7 (*4)
COMFORT	Individual Louver Setting		●	●	●	●	-
COMFORT	Auto Louver Setting		●	●	●	●	●
COMFORT	Dry mode Availability		●	●	●	●	●
COMFORT	Setback (Away Function)		●	●	●	●	●
COMFORT	Cold Draft Prevention Availability		●	●	●	●	●
COMFORT	Comfort setting	Control Cool Air (GentleCool) (*1)	●	●	●	●	●
COMFORT	Direct/Indirect louver direction in COOL NEW		●	-	-	-	-
COMFORT	FloorSense Cool air flow control NEW		●	-	-	-	-
POWER-SAVING	Power Saving with Motion Sensor (*1)		●	●	●	●	●
POWER-SAVING	Outdoor Unit capacity contro (*1)	Peak cut control	●	●	●	●	●
POWER-SAVING		moderate control	●	●	●	●	●
POWER-SAVING	Indoor Unit Rotation Control (*1)	Indoor Unit Address	●	●	●	●	●
POWER-SAVING		Indoor Air Temperature difference	●	●	●	●	●
POWER-SAVING	Automatic Fan Operation		●	●	●	●	●
MENU	Quick Function (*1)		●	●	●	●	●
MENU	Daylight Saving Time		●	●	●	●	●
MENU	Power Consumption visualization (*1)		●	●	●	●	●
MENU	Weekly Schedule Setting		●	●	●	●	●
MENU	Power-Saving Setting (*1)		●	●	●	●	●
MAINTENANCE	Dirty Filter Notice Availability		●	●	●	●	●
MAINTENANCE	Check Menu	Sensor Condition Check	●	●	●	●	●
MAINTENANCE		Model Display (*1)	●	-	-	●	●
MAINTENANCE		Indoor/Outdoor PCB Check	●	●	●	●	●
MAINTENANCE		Alarm History Display	●	●	●	●	●
OPTIONAL ACCESSORY	Colored Decoration Panel availability		● (*5)	-	-	● (*5)	● (*5)
OPTIONAL ACCESSORY	Motion Sensor		P-AP160NAE2	PS-MSK2	SOR-NEC	SOR-NED	SOR-NES
OPTIONAL ACCESSORY	Receiver Kit for wireless remote controller		PC-ALH3	HR4A10NEWQ PC-ALH3	P-AP56NAMR PC-ALHC1	PC-ALHD1	PC-ALHS1
OPTIONAL ACCESSORY	Drain-up mechanism availability		● (*2)	● (*2)	● (*2)	● (*2)	● (*2)
OPTIONAL ACCESSORY	Flesh air intake accessory		● (*6)	-	● (*6)	● (*6)	● (*6)
OPTIONAL ACCESSORY	Air filter		F-160L-K F-71L-D1 F-160L-D1 B-160H3	-	-	F-90MD-K1 F-160MD-K1 B-90HD B-160HD	-
OPTIONAL ACCESSORY	ViroSense ZPT Filter		●	●	-	-	-

(*1) Advanced wired remote controller PC-ARF1 needs to be connected.
(*2) Included as standard equipment.
(*3) 7 steps are available by individual louver setting. 5 steps only in the operation of Cooling or Dry.
(*4) 5 steps only in the operation of Cooling or Dry.
(*5) 3 colors available except white (Beige, Grey and Black).
(*6) Optional parts: Duct Adapter is availbale. Please consult your distributor.

ViroSense ZPT Filter NEW

ZPT (Zinc pyrithione) can help reduce the risk of secondary pollusion and infection in the room, due to the virus attached on the air condoner's filter.

Features
· 99.9 virus inhabitance · Life period up to 4 years

Testing
· Against: Cat Corona Virus(Feline infectious peritonitis virus ATCC VR-2127)
· ISO 18184; Textiles -- Determination of antiviral activity of textile products
· Testing Laboratory: Japan Textile Products Quality and Technology Center
· Test Report No. : 20KB-070036
· Test Results: Antiviral activity value ≥ 2.5

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ORIGINAL NEW

Silent-Iconic™

4-Way Cassette Design Panel

A design panel in harmony with the space that responds to the needs of architectural designers

reddot winner 2021
best of the best

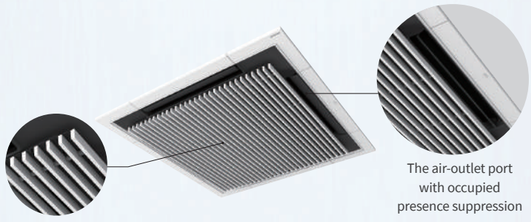
[Silent-iconic] receives Red Dot: Best of the Best for ground-breaking design quality

iF DESIGN AWARD 2020
iF Design Award 2020 Award Winning (Discipline: Product)

GOOD DESIGN AWARD 2020
Good Design Award (Category: Equipment and facilities for professional use)

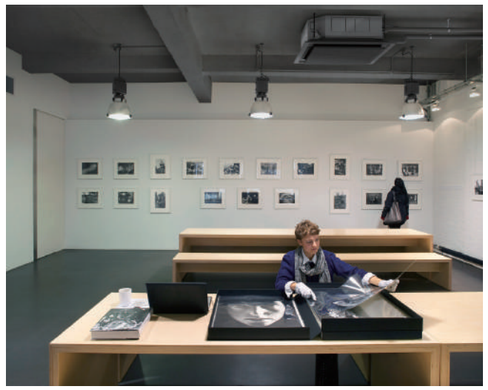
The design is well-matched to the space

It is designed to harmonize with the space by creating the central part to be a blind shaped air-inlet port and reducing its occupied presence by darkening the air-outlet port.



Tomohiko Sato
Hitachi, Ltd. Product Design Department, Senior Designer

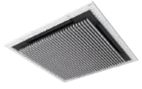
The designer graduated from University in the United Kingdom and soon after, he joined a London based design studio, working across a wide variety of disciplines including furniture, interior and the public realm. Currently, he dedicates himself to air conditioning design, working as a Senior Designer in the Hitachi product design department in Hitachi, Ltd.



Try it with iPhone!!

In AR (Augmented Reality), you can see the image of "4-way Cassette Air Conditioner" and "Silent-Iconic™" installed in the actual space.

4-way Cassette Air Conditioner



Silent-Iconic™ White

Silent-Iconic™ Black

Operating environment

[Device]	
iPhone*1	iPhone 12 Pro / iPhone 12 Pro Max / iPhone 12 / iPhone 12mini / iPhone 11 Pro / iPhone 11 Pro Max / iPhone 11 / iPhone XS / iPhone XS Max / iPhone XR / iPhone X / iPhone 8 Plus / iPhone 8 / iPhone 7 Plus / iPhone 7 / iPhone 6s Plus / iPhone 6s / iPhone SE2 / iPhone SE
iPad*2	iPad Pro (all models) / iPad (6th generation) / iPad (5th generation)
[OS]	iOS*3 12.1 or later
[Browser]	Safari*4 / Google Chrome*5 / Firefox*6

Instructions for use

1. Scan the QR code*7 and open the web page

Display the web page with a QR code, URL, etc.

2. Tap the icon

Tap the icon displayed at the bottom right of the 3D Viewer. If the icon is not displayed, please unhide it in Safari or check the OS version.

3. AR mode is activated

Hold out the camera toward the ceiling and get it to detect the environment by moving it in a circular motion. You may not be able to scan a single-colored ceiling so scan a place where objects such as downlights or ceiling ventilation fans are installed.

4. Adjustment of placement location

You can shift then move it with a single finger, and rotate or zoom it out/zoom it in with two fingers to adjust the size that fits the space. There is also a capture button, so you can take and share the pictures you have placed.

*1 iPhone is a trademark of Apple Inc., registered in the United States and other countries.
*2 iPad is a trademark of Apple Inc., registered in the United States and other countries.
*3 iOS is the Operating System name of Apple Inc. iOS is a registered trademark or trademark of Cisco Systems, Inc. or its affiliates in the United States and other countries and is used under license.
*4 Safari is a trademark of Apple Inc., registered in the United States and other countries.
*5 Google Chrome is a trademark or registered trademark of Google Inc.
*6 Firefox is a trademark or registered trademark of the United States Mozilla Foundation in the United States and other countries.
*7 QR code is a registered trademark of Denso Wave Incorporated.

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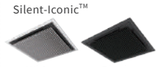
CASSETTE

4-WAY CASSETTE TYPE NEW

(DC MOTOR TYPE) [RCI-FSRP]

LINE-UP

Normal	Smart	Asthetics	Maintenance
Standard	with motion sensor + radiant temperature sensor	Color Panel Design Panel	Silent-Iconic™ with Elevation Grille
P-AP160NA3	P-AP160NAE2	-	P-GP160NAPU
		Standard (Custom Order) Beige Gray Black Silent-Iconic™  White Black P-GP160NAP P-GP160KAP	
(H×W×D) 40×950×950(mm)	(H×W×D) 40×950×950(mm)	Standard (H×W×D) 40×950×950(mm) Silent-Iconic™ (H×W×D) 52×950×950(mm)	(H×W×D) 52×950×950(mm)

Twin-Sense Cassette

Adaptive comfort for real life

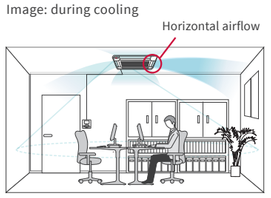
GENTLECOOL

(standard feature) To make your room reach to the desired temperature faster, the discharged air from the indoor unit can be sometimes much cooler, causing discomfort at the beginning of operation.

NEW FLOORSENSE COOL

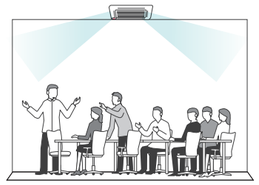
(with radiant temperature sensor) optimize both IDU air flow & cooling capacity to prevent floor overcooling

Image: during cooling



NEW CROWD-SENSE

(with motion sensor + radiant temperature sensor) In case of occupancy changes, predictive adjustment of cooling operation to prevent fluctuations of indoor temperature due to human body heat.

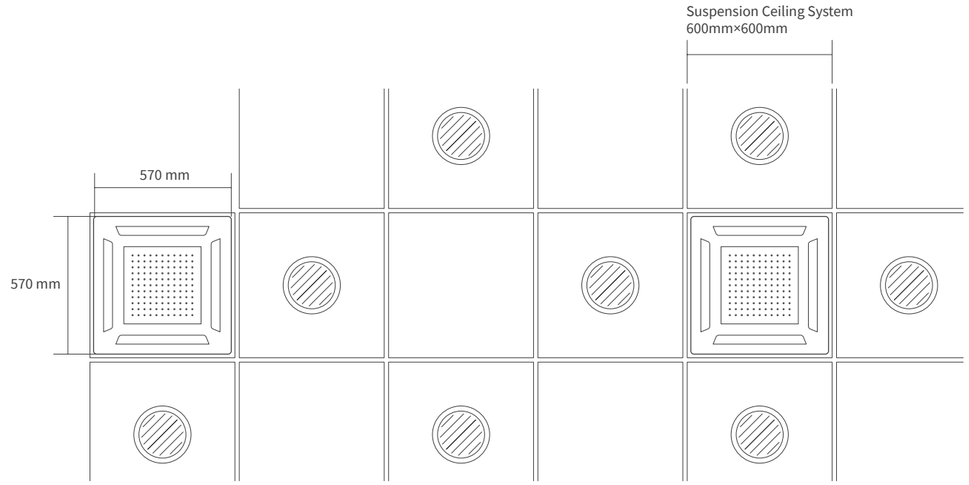


4-WAY CASSETTE COMPACT TYPE NEW

(DC MOTOR TYPE) [RCIM-FSRE]

FEATURES AND BENEFITS

1) Compact



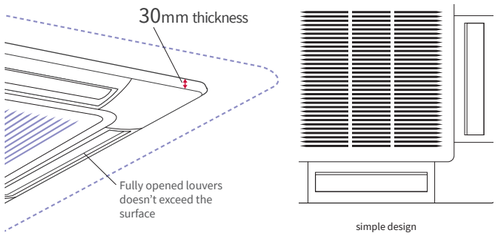
The compact 600×600mm footprint fits a standard ceiling grid, allowing it to be easily incorporated between lighting panels, being ideal for the small place installation!

2) Top-class silent operation
As quiet as gentle breeze

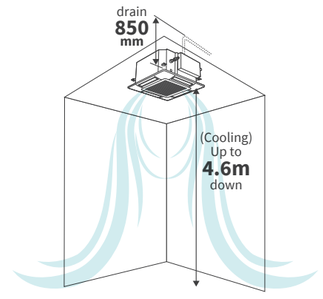
IDU Capacity HP(Class)	0.6	0.8	1	1.5	2	2.5
Sound pressure level (dB(A))	24.5	24.5	24.5	27.5	31	35

*Air flow rate: Lo

3) Aesthetics



4) Suitable for high ceiling space
Standard drain-pump with 850mm lift



* Air flow rate: Hi2
* 2.0-2.5 FSRE

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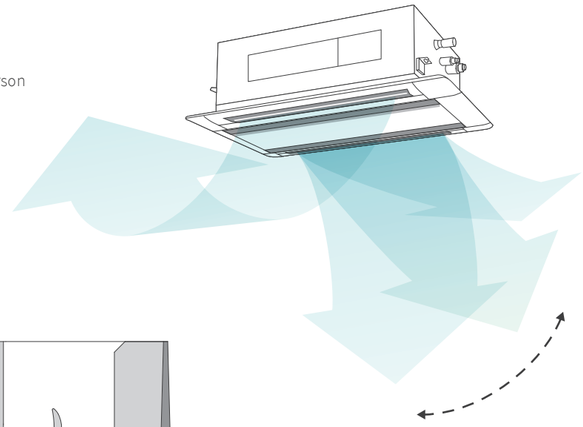
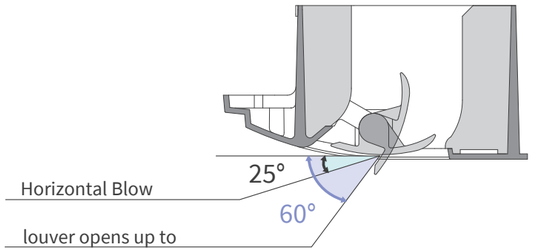
2-WAY CASSETTE COMPACT TYPE NEW
(DC MOTOR TYPE) [RCD-FSR]

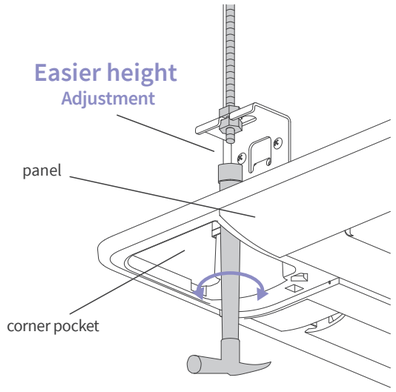
FEATURES AND BENEFITS

1) Control air flow with individual louvers
Suitable environment can be achieved for each person

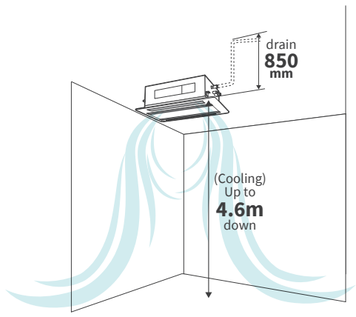




2) The height of the space for installing the unit can be fine-tuned



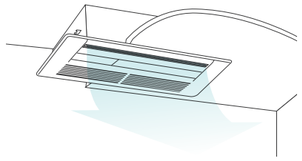
3) Suitable for high ceiling space
Standard drain-pump with 850mm lift
* Air flow rate: Hi2
* 2.0-6.0 FSR



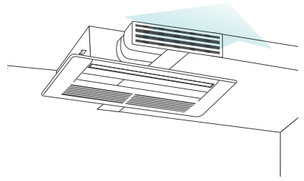
1-WAY CASSETTE TYPE NEW
(DC MOTOR TYPE) [RCS-FSR]

FEATURES AND BENEFITS

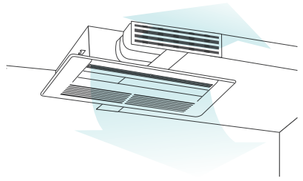
1) 3 installation types selectable



Corner type (standard)
Allows for ceiling planning for lighting and interiors, suitable for installation in the perimeter zone near the window



Clipped ceiling (one-way) type
Suitable for design that focuses on lighting and clipped ceilings, in case the unit is unable to be directly embedded in the ceiling



Clipped ceiling (two-way) type
Provides increased comfort through two-direction airflow by utilizing the advantages of installation on a clipped ceiling. Room temperature distribution can be improved by both forward airflow and downward airflow

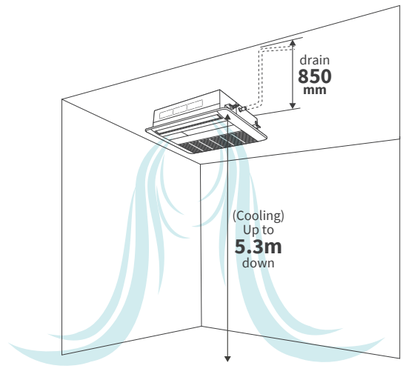
2) Quiet operation
New design in fan inlet and fan resulted in the low sound pressure

IDU cooling capacity (kW)	2.2	2.8	4.0	5.6	7.1	8.0
Sound Pressure Level (dB(A))	27	28	31	31	32	33

*Air flow rate: Lo

20dB(A) CLOCK
30dB(A) MIDNIGHT

3) Suitable for high ceiling space
Standard drain-pump with 850mm lift



*Air flow rate: Hi2
*2.5-3.0 FSR
*standard corner type

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CONCEALED & EXPOSED

KEY INFORMATION

FEATURES TO SUIT YOUR PROJECT SPACE

The new SET FREE Σ range offers our widest choice of indoor units to give you the versatility to complement any interior.

NEW

WALL MOUNTED TYPE
(DC MOTOR TYPE)
[RPK-FSRM]
- Simple installation procedure
- Flexible discreet design suitable for any interior
- Setback temperature control available, leading to better operation.
- GentleCool control to ensure you are not bothered by cold draft

NEW

WALL MOUNTED TYPE
(DC MOTOR TYPE)
[RPK-HNBUSQ]
- Economic choice for any type of room
- Display set-temperature and operation status on front cover by LED

FLOOR/CEILING CONVERTIBLE TYPE
(AC MOTOR TYPE)
[RPFC-FSNQ]
- Each unit can be floor mounted or ceiling suspended
- Easy installation
- Fresh air-intake design

NEW

CEILING SUSPENDED TYPE
(DC MOTOR TYPE)
[RPC-FSR]
- Ideal for a higher ceiling (up to 5.6m in cooling)
- Better power-saving with optional Motion Sensor
- Quiet operation level (as low as 28dB(A))
- Setback temperature control available, leading to better operation.
- GentleCool control to ensure you are not bothered by cold draft

FLOOR CONCEALED TYPE
(AC MOTOR TYPE)
[RPFI-FSNQ]
- When there is no ceiling void, this unit gives you a minimal, low visibility option as it can be installed in floor cavities and walls
- Little installation space required, with only 202/220mm depth
- Suitable for installation under a window, with a 620mm height

COMPARISON

IDU Category	Cooling (kW)	1.7	2.2	2.8	3.6	4.0	4.3	5.0	5.6	6.3	7.1	8.0	8.4	9.0	11.2	14.0	14.2	16.0
CONCEALED & EXPOSED	WALL MOUNTED TYPE (DC MOTOR TYPE) [RPK-FSRM] NEW										●	●			●			
CONCEALED & EXPOSED	WALL MOUNTED TYPE (DC MOTOR TYPE) [RPK-HNBUSQ] NEW		●	●	●	●		●	●	●	●							
CONCEALED & EXPOSED	FLOOR / CEILING CONVERTIBLE TYPE (AC MOTOR TYPE) [RPFC-FSNQ]							●	●	●	●		●	●	●		●	
CONCEALED & EXPOSED	CEILING SUSPENDED TYPE (DC MOTOR TYPE) [RPC-FSR] NEW					●			●		●	●			●	●		●
CONCEALED & EXPOSED	FLOOR CONCEALED TYPE (AC MOTOR TYPE) [RPFI-FSNQ]			●			●		●		●							

FEATURES COMPARISON

Model			WALL MOUNTED TYPE NEW RPK-FSRM	WALL MOUNTED TYPE NEW RPK-HNBUSQ	FLOOR/CEILING CONVERTIBLE TYPE RPFC-FSNQ	CEILING SUSPENDED TYPE NEW RPC-FSR	FLOOR CONCEALED TYPE RPFI-FSNQ
COMFORT	Temperature Setting Rate		0.5°C/1.0°C	1.0°C	1.0°C	0.5°C/1.0°C	1.0°C
COMFORT	Indoor Fan Speed		4 taps	6 taps	3 taps	4 taps	3 taps
COMFORT	Louver Direction		7 (*2)	7 (*2)	7 (*2)	7 (*2)	-
COMFORT	Individual Louver Setting		-	-	-	-	-
COMFORT	Auto Louver Setting		-	●	-	-	-
COMFORT	Dry mode Availability		●	●	●	●	●
COMFORT	Setback (Away Function)		●	-	-	●	-
COMFORT	Cold Draft Prevention Availability (*3)		●	-	●	●	●
COMFORT	Comfort setting	Control Cool Air (GentleCool) (*1)	●	-	-	●	-
COMFORT	Direct/Indirect louver direction in COOL		-	-	-	-	-
COMFORT	FloorSense Cool air flow control		-	-	-	-	-
POWER-SAVING	Power Saving with Motion Sensor (*1)		-	-	-	●	-
POWER-SAVING	Outdoor Unit capacity control (*1)	Peak cut control	●	-	-	●	-
POWER-SAVING	Outdoor Unit capacity control (*1)	moderate control	●	-	-	●	-
POWER-SAVING	Indoor Unit Rotation Control (*1)	Indoor Unit Address	●	-	-	●	-
POWER-SAVING	Indoor Unit Rotation Control (*1)	Indoor Air Temperature difference	●	-	-	●	-
POWER-SAVING	Automatic Fan Operation		●	●	●	●	●
MENU	Quick Function (*1)		●	-	-	●	-
MENU	Daylight Saving Time		●	●	●	●	●
MENU	Power Consumption visualization (*1)		●	-	-	●	-
MENU	Weekly Schedule Setting		●	●	●	●	●
MENU	Power-Saving Setting (*1)		●	-	-	●	-
MAINTENANCE	Dirty Filter Notice Availability		●	●	●	●	●
MAINTENANCE	Check Menu	Sensor Condition Check	●	●	●	●	●
MAINTENANCE	Check Menu	Model Display (*1)	-	-	-	●	-
MAINTENANCE	Check Menu	Indoor/Outdoor PCB Check	●	●	●	●	●
MAINTENANCE	Check Menu	Alarm History Display	●	●	●	●	●
OPTIONAL ACCESSORY	Motion Sensor		-	-	-	SOR-NEP	-
OPTIONAL ACCESSORY	Receiver Kit for wireless remote controller		PC-ALHZ1	PC-RLH11 (*4) PC-ALHZ1	PC-RLH11 (*4) PC-ALHZ1	PC-ALHP1	PC-RLH11 (*4) PC-ALHZ1
OPTIONAL ACCESSORY	Drain-up mechanism availability		-	-	-	DUPC-63K1 DUPC-71K1 DUPC-160K1	-
OPTIONAL ACCESSORY	Air filter		-	●(*3)	-	-	-
OPTIONAL ACCESSORY	Strainer kit		MSF-NP112A1	MSF-NP63A1	-	-	-

(*1) Advanced wired remote controller PC-ARF1 needs to be connected.
(*2) 5 steps only in the operation of Cooling or Dry.
(*3) Please consult your distributor for the availability.
(*4) Basic Receiver kit (PC-RLH11) is equipped with the unit in package as standard optional part with Wireless Remote Controller (PC-LH7QE).

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WALL MOUNTED TYPE
(DC MOTOR TYPE) [RPK-FSRM] NEW

FEATURES AND BENEFITS

1) Simple installation procedure
2) Flexible discreet design suitable for any interior
3) Hotel Setback feature available, leading to better operation
4) GentleCool control to ensure you are not bothered by cold draft

WALL MOUNTED TYPE
(DC MOTOR TYPE) [RPK-HNBUSQ] NEW

FEATURES AND BENEFITS

1) Meet your detailed requirement & Display
DC fan motor help realize 6-step fan speed adjustment, more quiet and efficient.Also newly equipped display set-temperature and operation status on front cover by LED.

2) Simple installation procedure.
Refrigerant piping can be connected from the rear, base, or left of the unit, providing much greater flexibility for piping and selection of installation sites.

3) Flexible design suitable for any décor.
With smooth flat covers, the units match most modern interiors. Their compact size enables them to blend in, even in small spaces.
Compact cabinet design with 203mm depth up to 1.3HP and 230mm depth up to 2.5HP.

4) Easy maintenance.
Front flat panel keeps the unit from dust and facilitates maintenance work.
The front grille hinges open easily—no tools are needed to gain quick access to the filter.
The filter can be removed and cleaned as required.

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FLOOR/CEILING CONVERTIBLE TYPE

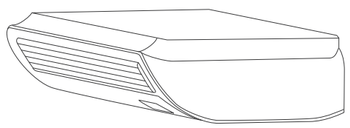
(AC MOTOR TYPE) [RPFC-FSNQ]

FEATURES AND BENEFITS

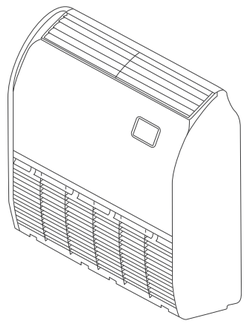
1) Adapts to both floor and ceiling

[CEILING USE]
Supplies air to a wide area. High ceiling use capability.

[FLOOR USE]
Smaller footprint: Only 230mm in depth. Suitable for installation beneath a window thanks to the 680mm height.



Ceiling Type



Floor Type

2) New air-intake design

Equipped with air-intakes, the unit connects with ventilations such as a Total Heat Exchanger using a duct, providing better interior air quality.

Cooling & Heating

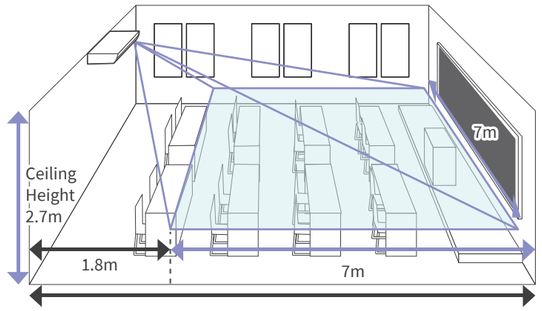
CEILING SUSPENDED TYPE NEW

(DC MOTOR TYPE) [RPC-FSR]

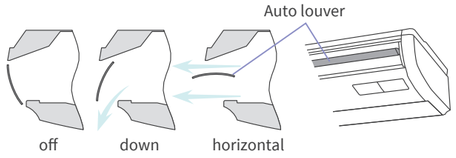
FEATURES AND BENEFITS

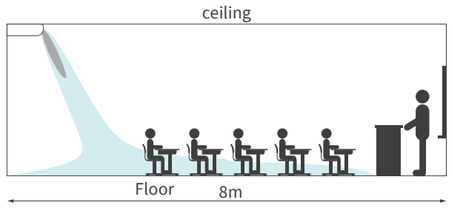
1) Wide Detection area of motion sensor (SOR-NEP)

(Optional part) to achieve better energy-saving



2) Auto louver





3) New design in fan inlet and fan resulted in the low sound pressure

Cooling capacity (kW)	4.0	8.0	11.2	14.0
Sound Pressure Level (dB(A))	28	29	32	35

*Air flow rate: Lo

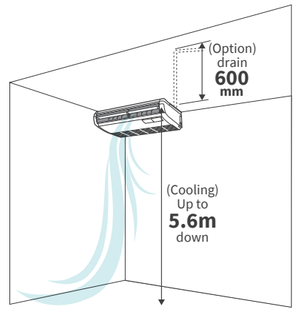
20dB(A) CLOCK

30dB(A) MIDNIGHT

4) Suitable for high ceiling space

IDU Capacity HP(Class)	1.5-3.0	4.0-6.0
Height (m)	3.5	4.3

* air flow volume: high



* Air flow rate: Hi2
* 4.0-6.0 FSR

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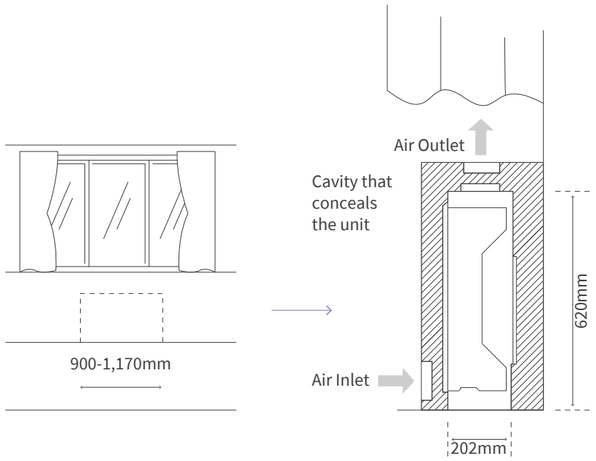
CONCEALED & EXPOSED

FLOOR CONCEALED TYPE
(AC MOTOR TYPE) [RPFI-FSNQ]

FEATURES AND BENEFITS

Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible.
Its low height (only 620mm) enables the unit to fit perfectly beneath a window.
Requires little installation space thanks to its slim 202mm depth.



Cooling & Heating

GENERAL DATA & ACCESSORIES

HIGH ESP TYPE (HIGH EXTERNAL STATIC PRESSURE TYPE)
(AC MOTOR TYPE) [RPIH-HNAUNQ, RPI-FSNQ]

Model			RPIH-3.0HNAUNQ	RPIH-3.3HNAUNQ	RPIH-4.0HNAUNQ	RPIH-5.0HNAUNQ	RPIH-6.0HNAUNQ	RPI-8.0FSNQ	RPI-10.0FSNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]					AC 3Φ, [380-415V/50Hz]	
Nominal Capacity		kW	8.4	9.0	11.2	14.2	16.0	22.4	28.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	42/39/34	42/39/34	43/39/34	44/41/37	48/42/37	50	52
Outer Dimension	H×W×D	mm	300×1,175×800	300×1,175×800	300×1,175×800	300×1,475×800	300×1,475×800	470×1,060×1,120	470×1,250×1,120
Net Weight		kg	45	45	45	53	54	96	104
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	30/28/23	30/28/23	30/28/23	35.5/32/27	41/33/26	58	72
External Static Pressure (*3)		Pa	120(90)	120(90)	120(90)	120(90)	120(90)	180	180
Connections			Flare-Nut Connection (with Flare Nuts)					Brazing	
Refrigerant Piping Diameter	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.23
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.40	0.40	0.40	0.49	0.49	0.90	1.06

Receiver Kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1
Condensate Drain Pump Kit	PRIH-HNAUNQ	DUPI-361Q
	PRI-FSNQ	DUPI-15H2Q
Air filter	3.0-4.0 (HP class)	KW-PP9Q
	5.0-6.0 (HP class)	KW-PP10Q
ViroSense Ionizer Kit (NEW)	PRIH-HNAUNQ	JK-LZAQ

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB, 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
   With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
   Voltage of the power source for the indoor fan motor is 220V.
   (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

MEDIUM ESP TYPE(MEDIUM EXTERNAL STATIC PRESSURE TYPE)
(AC MOTOR TYPE) [RPIM-HNAUNQ, RPI-FSN3Q]

Model			RPIM-0.8HNAUNQ	RPIM-1.0HNAUNQ	RPIM-1.3HNAUNQ	RPIM-1.5HNAUNQ	RPIM-1.8HNAUNQ	RPIM-2.0HNAUNQ	RPIM-2.3HNAUNQ	RPIM-2.5HNAUNQ	RPI-8.0FSN3Q	RPI-10.0FSN3Q
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]								AC 3Φ, [380-415V/50Hz]	
Nominal Capacity		kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	22.4	28.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	32/27/24	32/27/24	35/33/28	35/33/28	35.5/33/28	35.5/33/28	39/34/26	39/34/26	50	52
Outer Dimension	(H×W×D)	mm	270×725 ×720	270×725 ×720	270×725 ×720	270×725 ×720	270×975 ×720	270×975 ×720	270×975 ×720	270×975 ×720	470×1,060 ×1,120	470×1,250 ×1,120
Net Weight		kg	24	24	25	25	31	31	32	32	96	104
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	10/8/7	10/8/7	12/11/9	12/11/9	16/14/11.5	16/14/11.5	20/16/11	20/16/11	58(56*)	72(70*)
External Static Pressure (*3)		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	100	100
Connections			Flare-Nut Connection (with Flare Nuts)								Brazing	
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.23
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.22	0.22	0.22	0.22	0.28	0.28	0.28	0.28	0.90	1.06

Receiver Kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1
Condensate Drain Pump Kit	0.8-2.5 (HP class)	DUPI-131Q
	8.0-10.0 (HP class)	DUPI-15H2Q
Air filter	0.8-1.5 (HP class)	KW-PP7Q
	1.8-2.5 (HP class)	KW-PP8Q
ViroSense Ionizer Kit (NEW)	PRIM-HNAUNQ	JK-LZAQ

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB, 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
   With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
   Voltage of the power source for the indoor fan motor is 220V.
   (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

GENERAL DATA & ACCESSORIES

LOW ESP TYPE (LOW EXTERNAL STATIC PRESSURE TYPE)

(AC MOTOR TYPE) [RPIL-HNAUNQ]

Model			RPIL-0.8HNAUNQ	RPIL-1.0HNAUNQ	RPIL-1.3HNAUNQ	RPIL-1.5HNAUNQ	RPIL-1.8HNAUNQ	RPIL-2.0HNAUNQ	RPIL-2.3HNAUNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]						
Nominal Capacity		kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	28/25/22	28/25/22	34/32/30	34/32/30	34/32/29	34/32/29	36.5/30.5/25
Outer Dimension	(H×W×D)	mm	270×725×720	270×725×720	270×725×720	270×725×720	270×975×720	270×975×720	270×975×720
Net Weight		kg	24	24	25	25	31	31	32
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	9/8/7	9/8/7	13/11/9	13/11/9	15/14/12	15/14/12	21/14/11
External Static Pressure (*3)		Pa	30	30	30	30	30	30	30
Connections			Flare-Nut Connection (with Flare Nuts)						
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.22	0.22	0.22	0.22	0.28	0.28	0.28

Model			RPIL-2.5HNAUNQ	RPIL-3.0HNAUNQ	RPIL-3.3HNAUNQ	RPIL-4.0HNAUNQ	RPIL-5.0HNAUNQ	RPIL-6.0HNAUNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]					
Nominal Capacity		kW	7.1	8.4	9.0	11.2	14.2	16.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	36.5/30.5/25	38/30/24	38/30/24	38/35/31	44/39/35	46/41/35
Outer Dimension	(H×W×D)	mm	270×975×720	300×1,175×800	300×1,175×800	300×1,175×800	300×1,475×800	300×1,475×800
Net Weight		kg	32	45	45	45	53	54
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	21/14/11	29/25/21	29/25/21	29/25/21	36/31/26	42/34/26
External Static Pressure (*3)		Pa	30	60	60	60	60	60
Connections			Flare-Nut Connection (with Flare Nuts)					
Refrigerant Piping Diameter	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.28	0.40	0.40	0.40	0.49	0.49

Receiver Kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1
Condensate Drain Pump Kit	0.8-2.5 (HP class)	DUPI-131Q
	3.0-6.0 (HP class)	DUPI-361Q
Air filter	0.8-1.5 (HP class)	KW-PP7Q
	1.8-2.5 (HP class)	KW-PP8Q
	3.0-4.0 (HP class)	KW-PP9Q
	5.0-6.0 (HP class)	KW-PP10Q
ViroSense Ionizer Kit (NEW)		JK-LZAQ

NOTE:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
   With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
   Voltage of the power source for the indoor fan motor is 220V.
   (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

COMPACT TYPE

(DC MOTOR TYPE) [RPIZ-HNDTSQ]

Model			RPIZ-0.8HNDTSQ	RPIZ-1.0HNDTSQ	RPIZ-1.3HNDTSQ	RPIZ-1.5HNDTSQ	RPIZ-1.8HNDTSQ	RPIZ-2.0HNDTSQ	RPIZ-2.3HNDTSQ	RPIZ-2.5HNDTSQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Capacity		kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
Sound Pressure Level	(6 taps)	dB(A)	33/31/28/ 25/23.5/22.5	33/31/28/ 25/23.5/22.5	33/31/28/ 25/23.5/22.5	31/30/28/ 25/22/20	36/33.5/31/ 28/24.5/22.5	36/33.5/31/ 28/24.5/22.5	37/36/33/ 30/28/25	37/36/33/ 30/28/25
Outer Dimension	H×W×D	mm	192×700×447	192×700×447	192×700×447	192×910×447	192×1,180×447	192×1,180×447	192×1,180×447	192×1,180×447
Net Weight		kg	17	17	17	20	24	24	24	24
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(6 taps)	m^3/min	8.5/8/7/ 6/5.5/5	8.5/8/7/ 6/5.5/5	8.5/8/7/ 6/5.5/5	10/9/8/ 7.5/6.5/6	14.5/13.2/11.8/ 10.5/9.2/8.0	14.5/13.2/11.8/ 10.5/9.2/8.0	16.5/15/13/ 12/10/9	16.5/15/13/ 12/10/9
External Static Pressure (*3)		Pa	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-50)	10(0-10-50)	10(0-10-50)	10(0-10-50)
Connections			Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.142	0.142	0.142	0.15	0.18	0.18	0.18	0.18

Receiver Kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1
Condensate Drain Pump Kit		- (included as standard equipment)
Air filter	0.8-1.5 (HP Class)	KW-PP5Q
	1.8-2.5 (HP Class)	KW-PP6Q
ViroSense Ionizer Kit (NEW)		JK-LZAQ

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
   With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
   Voltage of the power source for the indoor fan motor is 220V.
   (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

COMPACT TYPE

(AC MOTOR TYPE) [RPIZ-HNATNQ]

Model			RPIZ-0.8HNATNQ	RPIZ-1.0HNATNQ	RPIZ-1.3HNATNQ	RPIZ-1.5HNATNQ	RPIZ-1.8HNATNQ	RPIZ-2.0HNATNQ	RPIZ-2.3HNATNQ	RPIZ-2.5HNATNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]							
Nominal Capacity		kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	30/23/20	30/23/20	34/25/22	32.5/26/23	34/26/25	34/26/25	37/29/27	37/29/27
Outer Dimension	H×W×D	mm	192×700×447	192×700×447	192×700×447	192×910×447	192×1,180×447	192×1,180×447	192×1,180×447	192×1,180×447
Net Weight		kg	17	17	17	21	27	27	28	28
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	9.5/6.5/5.5	9.5/6.5/5.5	9.5/6.5/5.5	10/7/6	15/10/9	15/10/9	17/10/9	17/10/9
External Static Pressure (*3)		Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Connections			Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.142	0.142	0.142	0.15	0.18	0.18	0.18	0.18

Receiver Kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1
Condensate Drain Pump Kit		- (included as standard equipment)
Air filter	0.8-1.5 (HP Class)	KW-PP5Q
	1.8-2.5 (HP Class)	KW-PP6Q
ViroSense Ionizer Kit (NEW)		JK-LZAQ

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
   With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
   Voltage of the power source for the indoor fan motor is 220V.
   (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

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GENERAL DATA & ACCESSORIES

4-WAY CASSETTE TYPE
(DC MOTOR TYPE) [RCI-FSRP]

NEW

Model			RCI-1.0FSRP	RCI-1.5FSRP	RCI-2.0FSRP	RCI-2.5FSRP	RCI-3.0FSRP	RCI-4.0FSRP	RCI-5.0FSRP	RCI-6.0FSRP
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Capacity		kW	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	33/30/28/27	35/31/30/27	37/32/30/27	42/36/32/28	42/36/32/28	48/43/39/33	48/45/40/35	48/46/41/37
Outer Dimension	(H×W×D)	mm	248×840×840	248×840×840	248×840×840	248×840×840	298×840×840	298×840×840	298×840×840	298×840×840
Net Weight		kg	20	21	21	22	26	26	26	26
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	15/13/11/9	21/17/14/11	22/17/14/11	27/23/18/14	27/23/18/14	37/31/24/20	37/33/26/21	37/35/28/22
Connections			Flare-Nut Connection (with flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.21	0.21	0.21	0.21	0.25	0.25	0.25	0.25

Decoration panel	Twin-Sense panel	P-AP160NAE2
	Standard (without sensor)	P-AP160NA3
Receiver kit	Advanced	PC-ALH3
Condensate Drain Pump Kit		- (Standard)
Duct Adapter		PD-75A
Fresh Air Intake Kit		OACI-160K3
3-Way Outlet Parts Set		PI-160LS2

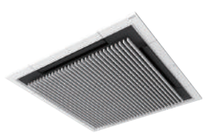
T-Pipe Connection Kit		TKCI-160K
Antibacterial Long Life Air Filter		F-160L-K
Deodorant Air Filter	1.0-2.5 (HP Class)	F-71L-D1
	3.0-6.0 (HP Class)	F-160L-D1
Filter Box		B-160H3
ViroSense ZPT Filter NEW		F-160L-ZV

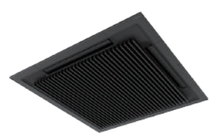
NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.5 metre Beneath the unit.
   The data in the table above was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Silent-Iconic™ for 4-WAY CASSETTE (RCI-FSRP)

ORIGINAL NEW

Model	P-GP160NAP	P-GP160NAPU	P-GP160KAP
satandard/option	Design Panel Standard	Design Panel with an Elevation Grille	Design Panel Standard
color	Natural White	Natural White	Black





4-WAY CASSETTE TYPE
(DC MOTOR TYPE) [RCI-FSKDNQ]

Model			RCI-1.0FSKDNQ	RCI-1.5FSKDNQ	RCI-2.0FSKDNQ	RCI-2.5FSKDNQ	RCI-3.0FSKDNQ	RCI-4.0FSKDNQ	RCI-5.0FSKDNQ	RCI-6.0FSKDNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Capacity		kW	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	33/30/28/27	35/31/30/27	37/32/30/27	42/36/32/28	42/36/32/28	48/43/39/33	48/45/40/35	48/46/41/37
Outer Dimension	(H×W×D)	mm	238×840×840	238×840×840	238×840×840	238×840×840	288×840×840	288×840×840	288×840×840	288×840×840
Net Weight		kg	20	21	21	22	26	26	26	26
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	15/13/11/9	21/17/14/11	22/17/14/11	27/23/18/14	27/23/18/14	37/31/24/20	37/33/26/21	37/35/28/22
Connections			Flare-Nut Connection (with flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.21	0.21	0.21	0.21	0.25	0.25	0.25	0.25

Decoration Panel		- (Standard)
Receiver Kit	Basic	HR4A10NEWQ
	Advanced	PC-ALH3
Motion Sensor		PS-MSK2

Condensate Drain Pump Kit	- (Standard)
Duct Adapter	PD-75A
ViroSense ZPT Filter NEW	F-160L-ZV

NOTE:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions. 1.5 metre Beneath the unit.
   The data in the table above was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Decoration panel is included.

4-WAY CASSETTE COMPACT TYPE
(DC MOTOR TYPE) [RCIM-FSRE]

NEW

Model			RCIM-0.6FSRE	RCIM-0.8FSRE	RCIM-1.0FSRE	RCIM-1.5FSRE	RCIM-2.0FSRE	RCIM-2.5FSRE
Indoor Unit Power Supply			AC 1Φ, [230V/50Hz] [220-240V/50Hz] [220V/60Hz]					
Nominal Capacity		kW	1.6	2.2	2.8	4.0	5.6	7.1
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	34/30/28/24.5	36/33/29/24.5	38/34/30/24.5	41/37/33/27.5	45/39/35/31	47/43/39/35
Outer Dimension	(H×W×D)	mm	285×570×570	285×570×570	285×570×570	285×570×570	285×570×570	285×570×570
Net Weight		kg	16	16	16	16	17	17
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	10/8.5/7.5/6	11/9.5/8/6	12/10/8.5/6	13/11/9.5/7	15/12/10/8	16/14/12/10
Connections			Flare-Nut Connection (with Flare Nuts)					
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.13	0.13	0.13	0.13	0.13	0.13

Decoration panel		P-AP56NAM
Decoration panel with Receiver kit	Advanced	P-AP56NAMR
Receiver kit	Advanced	PC-ALHC1

Motion Sensor	SOR-NEC
Condensate Drain Pump Kit	- (Standard)
Duct Adapter	PD-75C

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.5 metre Beneath the unit.
   The data in the table above was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. RCIM-0.6FSRE cannot be connected to Side Flow VRF HNRQ series & Slim Modular VRF SideSmart™.
   Please refer to the technical catalogue for the details.

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GENERAL DATA & ACCESSORIES

2-WAY CASSETTE TYPE
(DC MOTOR TYPE) [RCD-FSR]

NEW

Model			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
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]								
Nominal Capacity		kW	2.2	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	30/29/28/27	31/29/28/27	37/34/31/30	39/36/33/30	42/39/36/33	45/42/38/33	43/40/37/34	47/44/41/35	48/45/42/39
Outer Dimension	(H×W×D)	mm	298×860×630	298×860×630	298×860×630	298×860×630	298×860×630	298×860×630	298×1,420×630	298×1,420×630	298×1,420×630
Net Weight		kg	23	23	25	25	25	25	39	39	39
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	10/9/7.5/6.5	11/9.5/8.5/7	15/13/11.5/10	16.5/14.5/ 12.5/10.5	18.5/16.5/ 14.5/12.5	21/18.5/ 16/12.5	30/26.5/23/20	35/31/27/21	37/32.5/ 28.5/24
Connections			Flare-Nut Connection (with Flare Nuts)								
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.24	0.24	0.24	0.24	0.24	0.24	0.36	0.36	0.36

Decoration panel	0.8-3.0 (HP Class)	P-AP90DNA
	4.0-6.0 (HP Class)	P-AP160DNA
Receiver kit	Advanced	PC-ALHD1
Motion Sensor		SOR-NED
Condensate Drain Pump Kit		- (Standard)

Duct Adapter		PD-150D
Antibacterial Long-life Filter	0.8-3.0 (HP Class)	F-90MD-K1
	4.0-6.0 (HP Class)	F-160MD-K1
Filter Box	0.8-3.0 (HP Class)	B-90HD
	4.0-6.0 (HP Class)	B-160HD

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB / 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.5 metre Beneath the unit.
   The data in the table above was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

1-WAY CASSETTE TYPE
(DC MOTOR TYPE) [RCS-FSR]

NEW

Model			RCS-0.8FSR	RCS-1.0FSR	RCS-1.5FSR	RCS-2.0FSR	RCS-2.5FSR	RCS-3.0FSR
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [230V/50Hz] [220V/60Hz]					
Nominal Capacity		kW	2.2	2.8	4.0	5.6	7.1	8.0
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	34/32/29/27	36/34/31/28	40/37/33/31	42/38/35/31	43/39/36/32	43/40/37/33
Outer Dimension	(H×W×D)	mm	235×900×710	235×900×710	235×900×710	235×900×710	235×1,210×710	235×1,210×710
Net Weight		kg	25	25	26	26	33	33
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	8.5/7.5/6.5/6	9.5/8.5/7.5/6.5	13/11.5/10/8.5	14.5/13/11/9.5	18.5/16.5/14.5/12.5	20/17.5/15.5/13
Connections			Flare-Nut Connection (with Flare Nuts)					
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.25	0.25	0.25	0.25	0.32	0.32

Decoration panel	0.8-1.0 (HP Class)	P-AP36CNA
	1.5-2.0 (HP Class)	P-AP56CNA
	2.5-3.0 (HP Class)	P-AP80CNA
Receiver kit	Advanced	PC-ALHS1
Motion Sensor		SOR-NES
Condensate Drain Pump Kit		- (Standard)

Duct Adapter		PD-100
Drille for Front Discharge	0.8-2.0 (HP Class)	DG-56SW1
	2.5-3.0 (HP Class)	DG-80SW1
Air Outlet Shutter Plate	0.8-2.0 (HP Class)	PIS-56LS
	2.5-3.0 (HP Class)	PIS-80LS

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB / 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions. 1.5 metre Beneath the unit.
   The data in the table above was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

WALL MOUNTED TYPE
(DC MOTOR TYPE) [RPK-FSRM]

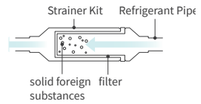
NEW

Type			Expansion Valve built-in type		
Model			RPK-2.5FSRM	RPK-3.0FSRM	RPK-4.0FSRM
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]		
Nominal Capacity		kW	7.1	8.0	11.2
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	45/42/38/35	47/44/40/35	51/48/44/39
Color			White		
Outer Dimension	(H×W×D)	mm	300×1,100×260	300×1,100×260	300×1,100×260
Net Weight		kg	15	15	15
Refrigerant			R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	18.5/16.5/14/12	20/17.5/15.5/12.5	23/20/17.5/14.5
Motor			38	38	38
Connections			Flare-Nut Connection (with Flare Nuts)		
Refrigerant Piping Diameter	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP16	VP16	VP16
Approximate Packing Volume		m^3	0.14	0.14	0.14
Accessory included			Wall Mounting Bracket		

Receiver kit	Advanced	PC-ALHZ1
Strainer kit	2.5-4.0 (HP Class)	MSF-NP112A1

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB / 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions.
   1.0 metre Beneath the Unit.
   1.0 metre from Discharge Grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
   When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

STRAINER KIT



A strainer kit ensures that solid foreign substances, like small particles of metal, are caught before they enter the electric expansion valves of a wall-mounted indoor unit. Without the strainer kit's filter, these particles may prevent the valves from being fully sealed, creating a risk of explosive condensation when the unit becomes active.

WALL MOUNTED TYPE
(DC MOTOR TYPE) [RPK-HNBUSQ]

NEW

Model			RPK-0.8HNBUSQ	RPK-1.0HNBUSQ	RPK-1.3HNBUSQ	RPK-1.5HNBUSQ	RPK-1.8HNBUSQ	RPK-2.0HNBUSQ	RPK-2.3HNBUSQ	RPK-2.5HNBUSQ
Indoor Unit Power Supply			AC 1ϕ,220~240V/50Hz, ,220V/60Hz							
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.3	4.0	4.5	5.6	6.3	7.1	8.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	36/35/33/ 32/30/28	36/35/33/ 32/30/28	38/35/33/ 32/30/28	38/37/36/ 32/31/29	44/42/41/ 38/31/29	40/38/36/ 35/33/31	41/40/38/ 35/33/31	45/42/41/ 38/35/31
Color			White							
Outer Dimension	(H×W×D)	mm	270×815×203	270×815×203	270×815×203	315×915×230	315×915×230	315×1085×230	315×1085×230	315×1085×230
Net Weight		kg	9.0	9.0	9.0	12.5	12.5	14.0	14.0	14.0
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	9.8/9.2/8.7/ 8.2/7.5/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	10.3/9.2/8.7/ 8.2/7.5/7.0	11.5/11.0/10.3/ 9.0/8.7/8.0	14.3/13.5/12.8/ 11.5/9.0/8.0	16.2/15.0/14.2/ 13.3/12.2/11.5	17.0/16.2/15.0/ 13.3/12.2/11.5	20.0/18.0/17.0/ 15.0/13.3/11.7
Connections			Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
	Gas Line	mm	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP16	VP16	VP16	VP16	VP16	VP16	VP16	VP16
Approximate Packing Volume		m^3	0.11	0.11	0.11	0.15	0.15	0.17	0.17	0.17

Receiver kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1
Strainer kit		MSF-NP63A1

NOTES:
1. The cooling and heating capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB) / 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
   Piping Length:7.5 metre
   Piping Lift:0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB (68.0°F DB)
   Outdoor Air Inlet Temperature: 7.0°C DB (45.0°F DB) / 6.0°C WB (43.0°F WB)
   Piping Length:7.5 metre
   Piping Lift:0 metre
2. The sound pressure level is based on following conditions.
   1.0 metre Beneath the unit.
   1.0 metre from Discharge grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
   When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

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GENERAL DATA & ACCESSORIES

FLOOR/CEILING CONVERTIBLE TYPE

(AC MOTOR TYPE) [RPFC-FSNQ]

Model			RPFC-1.8FSNQ	RPFC-2.0FSNQ	RPFC-2.3FSNQ	RPFC-2.5FSNQ	RPFC-3.0FSNQ	RPFC-3.3FSNQ	RPFC-4.0FSNQ	RPFC-5.0FSNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Capacity		kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
Sound Pressure Level	Ceiling Mode	dB(A)	39/35/30	39/35/30	45/41/37	45/41/37	43/39/34	45/40/36	51/46/40	50/46/42
	Floor Mode	dB(A)	43/38/35	43/38/35	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Outer Dimension	(H×W×D)	mm	230×990×680	230×990×680	230×990×680	230×990×680	230×1,285×680	230×1,285×680	230×1,285×680	230×1,580×680
Net Weight		kg	31	31	32	32	39	40	41	47
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/h	780/660/540	780/660/540	966/840/678	966/840/678	1,092/912/732	1,164/978/798	1,488/1,230/978	1,980/1,680/1,380
Connections			Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.31	0.31	0.31	0.31	0.40	0.40	0.40	0.48

Receiver kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions.
   1.0 metre Beneath the unit.
   1.0 metre from Discharge grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
   When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

CEILING SUSPENDED TYPE NEW

(DC MOTOR TYPE) [RPC-FSR]

Model			RPC-1.5FSR	RPC-2.0FSR	RPC-2.5FSR	RPC-3.0FSR	RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]						
Nominal Capacity		kW	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	37/35/31/28	38/35/31/28	38/35/31/28	40/37/33/29	44/42/37/32	48/45/41/35	49/47/42/36
Color			Neutral White						
Outer Dimension	(H×W×D)	mm	235×960×690	235×960×690	235×1,270×690	235×1,270×690	235×1,580×690	235×1,580×690	235×1,580×690
Net Weight		kg	26	27	35	35	41	41	41
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	15/13/11/9	15/13/11/9	19/16.5/14/11.5	21/18.5/15.5/12.5	30/26.5/22/17	35/31/25.5/20	37/32.5/27/21
Connections			Flare-Nut Connection (with Flare Nuts)						
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP20	VP20	VP20	VP20	VP20	VP20	VP20
Approximate Packing Volume		m^3	0.23	0.23	0.31	0.31	0.38	0.38	0.38

Receiver kit	Advanced	PC-ALHP1
Motion Sensor		SOR-NEP
Condensate Drain Pump Kit	1.5 (HP Class)	DUPC-63K1
	2.0 (HP Class)	DUPC-71K1
	2.5-6.0 (HP Class)	DUPC-160K1

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions.
   1.0 metre Beneath the unit.
   1.0 metre from Discharge grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
   When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

FLOOR CONCEALED TYPE

(AC MOTOR TYPE) [RPFI-FSNQ]

Model			RPFI-1.0FSNQ	RPFI-1.5FSNQ	RPFI-2.0FSNQ	RPFI-2.5FSNQ
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]			
Nominal Capacity		kW	2.8	4.3	5.6	7.1
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	37/34/31	40/38/35	42/38/36	45/43/40
Outer Dimension	(H×W×D)	mm	620×900×202	620×900×202	620×1,170×202	620×1,170×202
Net Weight		kg	25	26	34	34
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	8.5/7/6	12/8/7	16/12.5/10.5	16/14/11
Connections			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas Line	mm	Φ12.70	Φ12.70	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25
Packaging Volume		m^3	0.19	0.19	0.23	0.23

Receiver kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1

NOTES:
1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0°C DB
   19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions.
   1.0 metre from the unit.
   1.0 metre from floor level.
   Voltage of the power source for the indoor fan motor is 220V.
   The above data was measured in an anechoic chamber.

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VENTILATIONS

68 OUR LINE-UP

69 VENTILATIONS

69 ALL FRESH AIR UNIT

70 TOTAL HEAT EXCHANGER

71 DX-KIT

RENEW AIR

Today, the average person spends more than 75% of their day indoors; at home, at work, in the gym, shopping or socializing. Many of these environments are effectively sealed and fresh air isn't easily available

Without proper ventilation, CO_2 levels rise, pollutants circulate and potentially harmful bacterias build-up, impacting on the wellbeing, comfort and productivity of occupants.

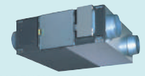
Make these spaces as healthy and comfortable as possible by providing fresh air with our premium air renewal systems for commercial buildings

OUR LINE-UP

Our line-up fulfils the ventilation requirements of the desired space by drawing in clean air from the outside and replenishing indoor spaces. It features solutions that suit every type of building; You can use the ventilation technology as it is or it can be incorporated into an Hitachi indoor unit via the fresh-air port. Thanks to accessories like this, you can optimize the design of your system to meet your needs.

ALL FRESH AIR UNIT

- Creates a comfortable and healthy indoor environment thanks to introducing fresh air function and heat/cool function
- Various controllers can be selected and interfaced with the H-LINK system
- Longer ducts can be connected on-site, thanks to the higher ESP



TOTAL HEAT EXCHANGER

- Creates a healthy indoor environment thanks to introducing fresh air function and ventilation function
- Remote controller for Total Heat Exchanger is equipped in unit as standard part

COMPARISON

Fan Air Flow Rate (m^3/h)	150	200	210	230	300	400	500	550	650	700	800	1,000	1,080	1,250	1,500	1,680	2,000	2,100	2,500	3,000	4,000	5,000	6,000
ALL FRESH AIR UNIT													●			●		●		●	●	●	●
TOTAL HEAT EXCHANGER	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●		●	●	●	●	

EXTRA OFFERING OF AIR-RENEWAL SOLUTION

we have two additional offering to meet your needs and building demand to renew the indoor air.
One is DX-Kit, Air Handling Unit Integration to Hitachi VRF.
The other is Fresh-Air Intake port accessory for the indoor units.

DX-KIT

- Offers great flexibility for you to integrate our VRF into your custom AHU.
- Wide range of capacity (Up to 96HP class AHU available)
- Wide options of configuration with AHU/Indoor Units.

(Options)

fresh-air intake port

Available:
4-way cassette type, 4-way compact cassette type, 2-way cassette type, 1-way cassette type

- Optional parts which enables fresh air into the unit so that it can be blown out with conditioned air

ALL FRESH AIR UNIT

Model			RPI-5.0KFNQ		RPI-8.0KFNQ		RPI-10.0KFNQ		RPI-12.0KFNQ	
Power Supply			AC 1Φ 220-240V/ 50Hz	AC 1Φ 220-240V/ 60Hz	AC 1Φ 220-240V/ 50Hz	AC 1Φ 220V/ 60Hz	AC 1Φ 220-240V/ 50Hz	AC 1Φ 220V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz
Connectable Outdoor Unit			SET FREE Σ, Cooling Only Type, CNCQ Series						RAS-12CNBCMQ	
Cooling	Capacity	kW	14.0	14.0	22.4	22.4	28.0	28.0	33.5	33.5
	Power	kW	0.30	0.35	0.48	0.55	0.50	0.58	0.68	0.78
	Nominal Current	A	1.4	1.61	2.2	2.53	2.3	2.65	1.43	1.64
Sound Pressure Level (overall a scale)		dB(A)	42	42	44	44	47	47	56	56
Dimensions	H×W×D	mm	370×1320×800		486×1270×1069		486×1270×1069		486×1270×1069	
Net Weight		kg	63	63	110	110	110	110	110	110
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Air Flow Rate		m^3/min	18	18	28	28	35	35	50	50
External Pressure		Pa	200	200	220	220	220	220	220	220
Piping	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7
	Gas	mm	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ25.4	Φ25.4
	Condensate Drain		VP25, Outer Diameter: Φ32mm							
Temperature range of fresh air drawn			Cooling: 20.0°C~43.0°C							

Model			RPI-16.0KFNQL		RPI-16.0KFNQH		RPI-20.0KFNQL		RPI-20.0KFNQH		RPI-20.0KFNQLF		RPI-20.0KFNQHF	
Power Supply			AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz
Connectable Outdoor Unit			RAS-16CNBCMQ				RAS-20CNBCMQ							
Cooling	Capacity	kW	45.0	45.0	45.0	45.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
	Power	kW	0.72	0.83	1.06	1.22	1.06	1.22	1.39	1.6	1.39	1.60	1.72	1.98
	Nominal Current	A	1.8	2.07	2.2	2.53	2.22	2.55	3.14	3.61	3.0	3.45	3.9	4.45
Sound Pressure Level (overall a scale)		dB(A)	58	58	62	62	61	61	65	65	63	63	67	67
Dimensions	H×W×D	mm	635×1950×805		635×1950×805		735×1950×805		735×1950×805		735×1950×805		735×1950×805	
Net Weight		kg	196	196	196	196	222	222	222	222	222	222	222	222
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Air Flow Rate		m^3/min	67	67	67	67	83	83	83	83	100	100	100	100
External Pressure		Pa	200	200	300	300	200	200	300	300	200	200	300	300
Piping	Liquid	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	Gas	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Condensate Drain		RC1 (Internal Screw)											
Temperature range of fresh air drawn			Cooling: 20.0°C~43.0°C											

NOTES:
1. Cooling capacity test in the following conditions:
   Cooling conditions: 33.0°CDB, 28.0°CWB, pipeline length 7.5 metre, pipe height difference 0 metre
2. Noise test conditions are as follows:
   At a distance of 1.5 metre from the unit surface
   The above parameters are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be counted at the scene.
3. An air filter with dust removal efficiency of 50% or more needs to be installed at the air inlet.
4. When the field duct resistance is small and the fan speed is too high, the unit will appear the phenomena of abnormal shutdown, fault, water spray etc., and the duct pipe should be insulated to prevent generating dew.
5. Air processor can only be used for processing fresh air, indoor air conditioning load processing need to use other air conditioners.
6. Fresh air processing unit should be connected with SET FREE Σ Heat Pump & Cooling only Type outdoor unit.
   When fresh air processing unit and other indoor units air all connected to the same SET-FREE outdoor unit, Its equivalent cooling capacity is calculated by the following criteria:
   Type_5HP class: 21.0kW; 8HP class: 33.3kW; 10HP class: 42.0kW
7. Refer to capacity restrains shown on Table below for indoor unit capacity connectable to outdoor unit.

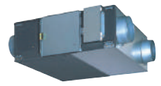
System	All Fresh Air Unit System (Only All Fresh Air Unit)	Mixed System (All Fresh Air Unit and Other Indoor Unit)
Range of Combination Capacity	80 to 100%	i) 80 to 100% and ii) Total Capacity of All Fresh Air: 30%

Mixed system is only available with RPI-5.0/8.0/10.0KFNQ.

RPI-12.0KFNQ or above is only available as one to one All Fresh Air Unit system.

8. When outdoor temperature is below 20.0°C in cooling operation, the system will be automatically converted to ventilation operation.

TOTAL HEAT EXCHANGER



Model			KPI-20H-A-GQ	KPI-30H-A-GQ	KPI-40H-A-GQ	KPI-50H-A-GQ	KPI-65H-A-GQ	KPI-80H-A-GQ	KPI-100H-A-GQ	KPI-125H-A-GQ
Unit Power Supply			AC 1Φ, [220/50Hz]							
Temp. Efficiency	Summer (Hi/Me/Lo)	%	64/64/70	60/60/65	61/61/66	60/60/62	65/65/69	65/65/69	65/65/69	65/65/69
	Winter (Hi/Me/Lo)	%	80/80/83	77/77/80	79/79/81	75/75/76	75/75/78	74/74/78	72/72/76	70/70/78
Enthalpy Efficiency	Summer (Hi/Me/Lo)	%	69/69/76	63/63/70	64/64/69	63/63/65	57/57/60	60/60/63	58/58/63	53/53/61
	Winter (Hi/Me/Lo)	%	75/75/78	70/70/75	70/70/75	69/69/71	65/65/70	70/70/72	66/66/69	63/63/72
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	32/30/25	36/34/28	39/37/30	40/38/31	40/38/35	40/38/34	43/42/34	42/40/37
Outer Dimension	(H×W×D)	mm	220×962×735	220×962×735	220×1,112×735	220×1,112×735	388×1,119×884	388×1,119×884	388×1,119×884	430×1,250×1,135
Net Weight		kg	38	40	46	52	61	69	69	95
Air Flow Rate	(Hi/Me/Lo)	m^3/h	200/200/150	300/300/210	400/400/230	500/500/400	650/650/550	800/800/650	1,000/1,000/700	1,250/1,250/800
External Static Pressure	(Hi/Me/Lo)	Pa	100/70/40	120/90/50	120/90/50	120/90/50	130/100/90	130/100/90	165/120/60	100/50/30
Power Input	(Hi/Me/Lo)	W	120/110/75	165/155/120	210/200/130	330/310/230	2×(188/173/142)	2×(207/188/165)	2×(250/228/205)	2×(308/266/237)
Current	(Hi/Me/Lo)	A	0.6/0.5/0.4	0.8/0.7/0.6	1.0/1.0/0.7	1.6/1.5/1.1	1.72/1.58/1.31	2.04/1.93/1.73	2.35/2.09/1.92	3.03/2.45/2.18
Connection Duct Diameter		mm	Φ144	Φ144	Φ144	Φ194	Φ242	Φ242	Φ242	320×250 +320×250
Approximate Packing Volume		m^3	0.37	0.37	0.43	0.49	0.94	1.15	1.15	1.25

Model			KPI-150H-E-GQ	KPI-200H-E-GQ	KPI-250H-E-GQ	KPI-300H-E-GQ	KPF-400H-E-GQ	KPF-500H-E-GQ
Unit Power Supply			AC 3Φ, [380/50Hz]					
Temp. Efficiency	Summer	%	63	63	63	63	63	63
	Winter	%	68	72	75	75	73	73
Enthalpy Efficiency	Summer	%	57	57	55	56	55	53
	Winter	%	68	68	72	72	63	61
Sound Pressure Level		dB(A)	50	51	53	54	57	58
Outer Dimension	(H×W×D)	mm	536×1,500×1,300	536×1,500×1,400	640×1,700×1,500	640×1,750×1,600	1,655×1,400×850	1,730×1,700×850
Net Weight		kg	144	155	180	220	225	260
Air Flow Rate		m^3/h	1,500	2,000	2,500	3,000	4,000	5,000
External Static Pressure		Pa	165	160	180	200	220	240
Power Input		W	2×440	2×810	2×925	2×1080	2×1,470	2×1,980
Current		A	2.84	3.08	4.19	5.23	5.57	7.51
Connection Duct Diameter		mm	400×320 +400×320	400×320 +400×320	500×350 +500×350	500×350 +500×350	400×320 +590×320	500×350 +700×320
Approximate Packing Volume		m^3	1.82	1.95	2.63	2.93	3.01	3.75

NOTE:
Please confirm the model name for "wires remote controller" compatible with Total Heat Exchanger to your local distributor.

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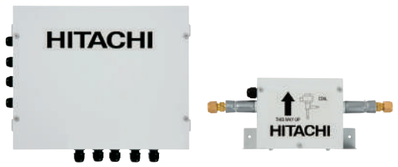
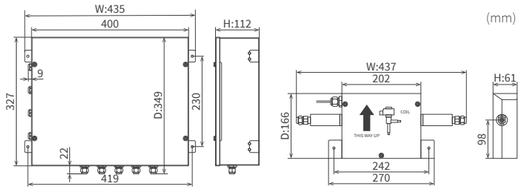
DX-KIT

Air Handling Unit Integration to Hitachi VRF

IMAGE



DIMENSIONS



Control Box (C Box)

Expansion Valve Box (EXV Box)

SPECIFICATION

HP class			2	4	6	8/10	12~20	22~30
Model			DXF-2.0A1	DXF-4.0A1	DXF-6.0A1	DXF-10.0A1	DXF-20.0A1	DXF-30.0A1
Control Box (C Box)	Power Supply		AC1Φ, [220-240V /50Hz] [220V 60Hz]					
	Height	mm	112	112	112	112	112	112
	Width	mm	435	435	435	435	435	435
	Depth	mm	349	349	349	349	349	349
	Weight	kg	5.2	5.2	5.2	5.2	5.2	5.2
	Material		Steel Plate + White Grey Coating					
Expansion Valve Box (EXV Box)	Height	mm	61	61	61	61	61	61
	Width	mm	437	437	437	437	437	437
	Depth	mm	166	166	166	166	166	166
	Weight	kg	1.7	1.7	1.7	1.7	1.7	1.7
	Quantity		1	1	1	1	1	2
	Material		Steel Plate + White Grey Coating					
	Liquid Pipe Diameter		ϕ6.35	ϕ9.52	ϕ9.52	ϕ9.52	ϕ12.7	ϕ12.7
AHU Suction Temperature Range	Cooling		21.0°C to 32.0°C (DB) / 15.0°C to 23.0°C (WB)					
Connection Ratio in different configurations → Total AHU or AHU & IDU Connection Ratio against ODU capacity = X (In case of "Inlet Air Temperature Control")			• 1 ODU to 1 AHU : 50% < X ≤ 100% • 1 ODU to 1 AHU (Separate Heat Exchanger Type) : 50% < X ≤ 100% • 1 ODU to Multiple AHUs : 50% < X ≤ 100% • 1 ODU to AHU & IDUs : (1) 50% < X ≤ 100% → Total AHU capacity: No limitation / Each AHU capacity: No limitation (2) 100% < X ≤ 110% → Total AHU capacity: less than 30% of total capacity / Each AHU capacity: between 2-6HP class					
Maximum Piping Length	Total	m	• 1,000 (When the number of connected [AHU & IDU] in the system is the same or less than the recommended.) • 300 (When the number of connected [AHU & IDU] in the system is more than the recommended.)					
	Between AHU Heat Exchanger and EXV Box	m	5	5	5	5	5	5
Maximum Level Difference	Between ODU and [AHU/IDU]	m	• 50 (When ODU is above [AHU & IDU & DX-Kit].) • 40 (When ODU is below [AHU & IDU & DX-Kit].)					
	Between AHU Heat Exchanger and EXV Box	m	2	2	2	2	2	2
Maximum Length	Control wiring between AHU Heat Exchanger and EXV Box	m	10	10	10	10	10	10
	Thermistor to AHU Heat Exchanger from C Box	m	10	10	10	10	10	10
Temperature Control Modes (*)			• Inlet Air Temperature Control • Outlet Air Temperature Control • Duty Control					

(*) [Outlet Air Temperature Control] & [Duty Control] are available only in case of connections "1 ODU to 1 AHU" & "1 ODU to 1 AHU(Separate Heat Exchanger Type)".

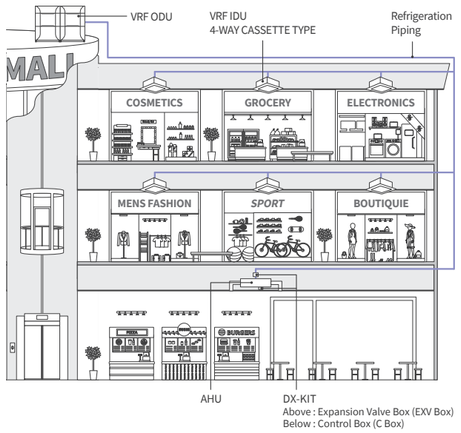
FEATURES AND BENEFITS

Maximum optimization achievable thanks the great flexibility in DX-Kit!

(1) Wide range of capacity

- (DX-Kit) Single capacity from 2HP class to 30HP class
- (Custom AHU) Maximum up to 96HP class available by DX-Kit combination

→ Our DX-Kit can cover from small to large capacity AHU
→ It can meet any requirement in any application

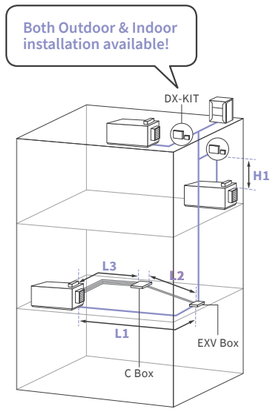


(2) Flexible installation

- Both Outdoor & Indoor installation of DX-Kit available
- Design Flexibility in wiring & piping

→ This Installation flexibleness can fit in various design situation

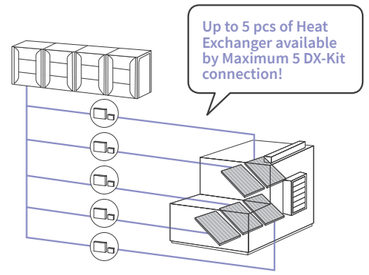
Item		Max (m)
Level difference between AHU Heat Exchanger and EXV Box	H1	2
Piping length between AHU Heat Exchanger and EXV Box	L1	5
Length of control wiring between AHU Heat Exchanger and EXV Box	L2	10
Length of the thermistor to AHU Heat Exchanger from C Box	L3	10

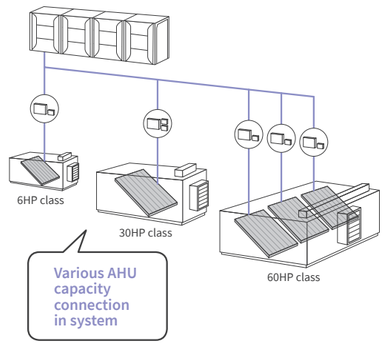


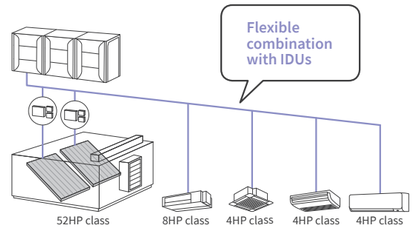
(3) Flexible configuration

→ 1 Outdoor Unit(ODU) & 1 Air Handling Unit (AHU)
→ 1 ODU & 1 AHU (Separate Heat Exchanger Type)
→ 1 ODU & Multiple AHUs
→ 1 ODU & AHU & IDUs

[Example]







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CONTROLLERS

75 CENTRALIZED CONTROLLERS

77 airCloud Pro
REMOTE CONTROL BY IoT
HC-IoTGW

79 CENTRAL STATION EX
FOR LARGE-SCALE BUILDINGS
PSC-A128EX1

80 CENTRAL STATION EZ
FOR MEDIUM-SCALE BUILDINGS
PSC-A64GT

CENTRAL STATION mini
FOR SMALL-SCALE BUILDINGS
PSC-A32MN

81 INDIVIDUAL CONTROLLERS

83 ADVANCED COLOR WIRE REMOTE CONTROLLER NEW
PC-ARFG

85 ADVANCED WIRED REMOTE CONTROLLER
PC-ARF1

86 WIRED REMOTE CONTROLLER
HCWA10NEGQ

SIMPLIFIED WIRED REMOTE CONTROLLER
PC-ARH1

87 ADVANCED WIRELESS REMOTE CONTROLLER
PC-AWR

WIRELESS REMOTE CONTROLLER
PC-LH7QE

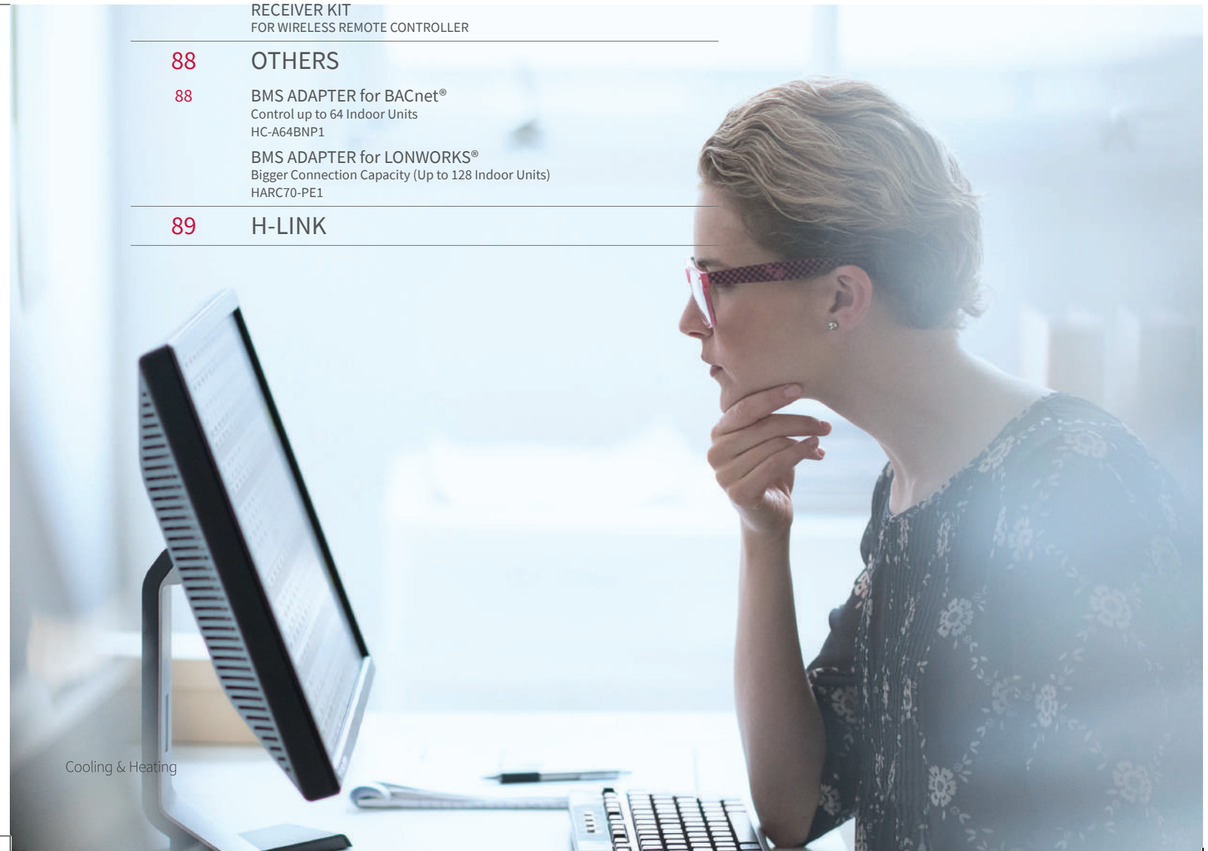
RECEIVER KIT
FOR WIRELESS REMOTE CONTROLLER

88 OTHERS

88 BMS ADAPTER for BACnet®
Control up to 64 Indoor Units
HC-A64BNP1

BMS ADAPTER for LONWORKS®
Bigger Connection Capacity (Up to 128 Indoor Units)
HARC70-PE1

89 H-LINK



Whether you are at work or play,
the SET FREE Σ allows you to have control over your living environment.
By providing control systems that are easy to understand and use, as well as building management system adapters and other related devices, we enable you to easily and accurately achieve optimal air conditioning management in a whole range of living spaces.

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Cooling & Heating

Centralized controllers

Control each indoor unit, one specific zone or even multiple systems from one place!

airCLOUD PRO* (HC-IoTGW)

- Remote access via smartphone app or web.
- Unlimited number of systems, zones and users.
- Intuitive scheduling function.
- Troubleshooting with access to error history and alerts.
- Filter sign display to quickly overview daily maintenance needs.
- Ideal for all types of applications.

CENTRAL STATION EX (PSC-A128EX1)

- Control capacity: max 2,560 indoor units (+15x Extension Adapter PSC-AD128EX1).
- With energy calculation software (PSC-AS01EXC), determine each tenant's energy usage.
- Easy monitoring with simplified interface.
- Best option for middle-large size buildings.
- Remote access! Operate Central Station EX from your laptop PC or touch-panel PC.

CENTRAL STATION EZ (PSC-A64GT)

- Control capacity: max 64 remote control group of indoor units.
- Compact and optimized 170x250mm body screens fitting in even small walls.
- Easy monitoring with simplified interface.
- Best option for middle size buildings.

CENTRAL STATION MINI (PSC-A32MN)

- Control capacity: max 32 remote control group of indoor units.
- Compact and optimized 120x140mm body screens fitting in even small walls.
- Easy monitoring with simplified interface.
- Best option for small size buildings.

***airCloud Pro available with SideSmart™ from May 2021.**

SMALL TO LARGE SYSTEMS & FIXED OR CLOUD-BASED

			airCLOUD PRO* HC-IoTGW	CENTRAL STATION MINI PSC-A32MN	CENTRAL STATION EZ PSC-A64GT	CENTRAL STATION EX PSC-A128EX1
Capacity comparison	Total Connection capacity	RC group	64 (*6)	32	64	2,560 (*1)
		Group	64 (*6)	32	64	2,048 (*1)
		Block	Unlimited (*7)	2/4/8/16	4	512 (*2)
		Area	Unlimited (*7)	-	-	512 (*2)
		Indoor unit	80 (*6)	160	160	2,560 (*1)
		Outdoor unit	16 (*6)	64	64	1,024 (*1)
	Building scale		Small to Large	Small	Medium	Large
	Operation		Web + Mobile Phone	Touch screen	Touch screen	Touch screen + Web (New!)
Display	Operation panel size options		Adaptive	3	2	7
	Layout		-	-	-	●
	List options		-	-	-	3
Operation unit	All together		●	●	●	●
	By layout		-	-	-	●
	By area		●	-	-	●
	By block		●	●	●	●
	By group		●	-	-	●
	By RC group		-	●	●	-
	By indoor unit		●	-	-	●
Control Function	Main 5 functions (*5)		●	●	●	●
	Individual controller lock		●	●	△ (*3)	●
	Filter sign reset		●	●	●	●
	Outdoor unit capacity control		-	△ (*4)	-	●
	Outdoor unit noise control		-	-	-	●
Monitor Function	Main 5 functions (*5)		●	●	●	●
	Individual controller lock		●	●	●	●
	Alarm status & code		●	●	●	●
	Filter sign		●	●	●	●
	Air inlet temperature of indoor unit		-	●	-	●
	Air inlet temperature of outdoor unit		-	●	-	●
Schedule Function	Weekly		●	●	●	●
	Setting times per day		16	10	10	16
	Special day setting		5	-	-	5
	Holiday setting		-	-	-	●
	Annual/Summer/Winter schedule		Future Version	-	-	●
Other function	Alarm history (records number)		Unlimited	100	100	10,000
	External in/output history		-	-	-	1,000
	Management report visualization(*11)		Energy Estimation (*8) - Future	●	●	●
	Data output by external media		Download from Web - Future	-	-	SD card, USB flash device
IoT Functions	Connectivity		Ethernet + 4G (*9)	-	-	-
	Future Extendability		Firmware OTA (*10) Web + Mobile Update	-	-	-

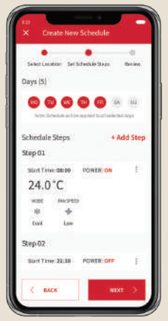
*** airCloud Pro available with SideSmart™ from May 2021.**

(*1) One Extension Adapter (PSC-AD128EX1) enable CENTRAL STATION EX to control additional 160 RC groups /128 groups / 160 IDUs / 64 ODUs, and up to 15 adapters can connect to one Central Station EX.
(*2) No restriction on the number of H-LINK.
(*3) Individual Feature Control in Each Remote Controller is not available.
(*4) Applicable only with Schedule function or external signal input. You cannot set it up directly from monitoring panel.
(*5) Main 5 functions meaning: 1) Run/Stop 2) Operation mode 3) Temperature setting 4) Fan speed 5) Louver control.
(*6) Ability to connect unlimited number of "HC-IoTGW" in one project and control all AC units via one single screen on Web or Mobile Phone.
(*7) Unlimited creation of zones, across multiple "HC-IoTGW" units within the same project.
(*8) Visualization of outdoor unit energy consumption.
(*9) 4G available through optional 4G module; 4G module package comes with global SIM and pre-paid global data plan.
(*10) OTA: Over-the-air firmware update, provides always up-to-date firmware and latest functionalities.
(*11) Mini , EZ : Accumulated operation time (min) , Accumulated thermo - ON (min).
EX : Accumulated operation time (min) , Accumulated thermo - ON time (min) , Average air intake temperature of indoor unit , Average air intake temperature of outdoor unit , Average setting temperature , Average RC sensor temperature.

Centralized controllers

airCLOUD PRO*

[Gateway]



Specifications

Gateway	HC–IoTGW
Net weight (g)	540
Connection capacity	16 outdoor + 80 indoor units
Power supply (V) | (Hz)	100-240, AC | 50/60
Max. power consumption (W)	10
Communication port	1 H-LINK, 1 RS485 Port
Internet connection	LAN (Ethernet) or 4G*3
External interface (log storage)	1 micro SD card slot

Functions

IoT connection (cloud-based)	• Access via smartphone app or web • Unlimited number of gateways • Unlimited number of locations • Unlimited number of users
Operation unit	• Per entire location • Per system • Per zone (unlimited zone creation) • Per indoor unit remote control group
Control function	• On/Off • Mode • Set temperature • Fan speed • Louver • RC lock • Filter sign reset
Monitor Function	• On/Off • Mode • Set temperature • Air intake temperature • RC sensor temperature (*3) • Air intake temperature of outdoor unit • Fan Speed • Louver • RC prohibition • Thermo-ON information • Filter sign/Auto cleaning fault • Alarm status/Alarm codes
Schedule function	• Weekly schedule • Easy selection of days and zones • Setting items in schedule is as below; • On/Off • Operation mode • Setting temperature • Louver • Fan speed

* "All Groups Run/Stop" command signal exception function for selected groups is available by "Exception of Run/Stop Operation." function.

System configuration.

Recommended facilities (examples.)

Is airCloud Pro for me?

All VRF users can enjoy these benefits!

- Save energy
- Save time and unnecessary transportation
- Delegate VRF systems administration
- Create a comfortable climate for guests

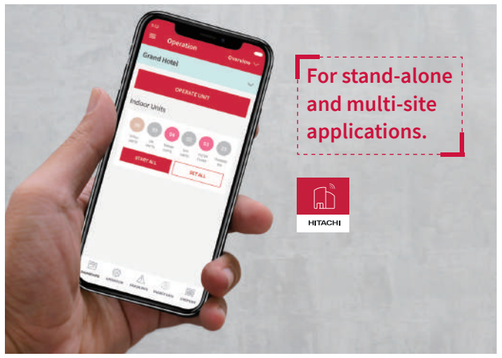
Future-proof

With updates and new features added regularly, airCloud Pro ensures you are always up to date.

- Compatible with new and former
- Hitachi Variable Refrigerant
- Flow systems*1

*airCloud Pro available with SideSmart™ from May 2021.
*1 Confirm compatibility of your VRF installation with your Hitachi Cooling & Heating representative.

Control is in your hands.
24/7 control at your fingertips on smartphone, tablet, or PC.



✓ Intuitive simplicity

airCloud Pro is designed to make your job easier. An intuitive app that anyone can use, airCloud Pro makes managing your VRF systems easier than ever before.

✓ Control from anywhere

Enjoy the freedom of remote access from your smartphone, tablet or laptop. airCloud Pro allows you to remotely control your VRF system(s) from a single app, saving you travel time.

A simple yet powerful tool.

Simplify your job

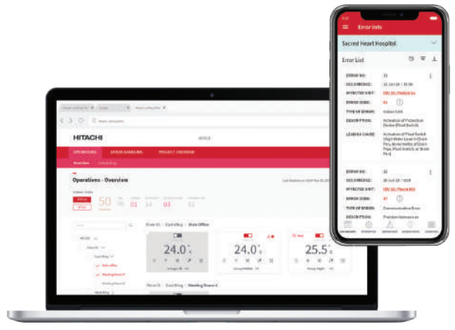
The pilot app makes managing your VRF systems easy.

- **Centralized control**
  Control your entire VRF system or selected zones in one touch.
- **Simplified troubleshooting**
  A clear error history, concise error description and follow-up.
- **Smartphone alerts***2
  In the event of a critical malfunction.
- **Flexible user management***2
  Add users and custom access restrictions.

Save more energy

Monitor energy consumption and optimize usage.

- **Energy consumption data***2
  Simple gr aphs visualize power consumption.
- **Intuitive scheduling**
  Plan operations ahead based on your business hours.
- **Individual controller lock**
  Prevent inappropriate usage from occupants.



Create better comfort

Adjust temperature, fan speed, and modes with ease, creating total comfort and the ideal climate throughout your building.

An integrated weather forecast*2 display helps you determine the most suitable conditions for your indoor spaces all year round.

Easy plug-and-play

Our airCloud gateway makes installation a breeze.

Connect to the airCloud via 3G/4G*3 or ethernet and pair your VRF systems via QR code scan. With automatic detection of indoor units and an optimized installer view, configuring your
site and zones has never been quicker.

+ data security

Best-in-class standards:
TLS.v1.2, HTTPS 2038 encryption.

Minimal personal details:
Only your name, email address and phone number are required for login.

*2 Functions not available as of September 2019, coming soon.
*3 4G module available as a side accessory.

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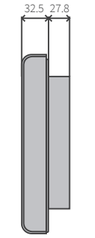
Centralized controllers

CENTRAL STATION EX FOR LARGE-SCALE BUILDINGS

(PSC-A128EX1)



Lateral view (mm)

For middle or large-scale buildings buildings such as hotels, educational facilities, and hospitals, our Central Station EX features a highly intuitive and functional 12.1-inch wide, wall-mountable, color LCD screen.

Control up to 2,560 indoor units with our proprietary H-LINK system with 15 extension adapters (PSC-AD128EX1).

Also, with energy calculation software (PSC-AS01EXC), Central Station EX can help you easily manage each tenant's electricity & report the power consumption of VRF system for each tenant.

Install by add-on software and activate, then, you can select electricity ratio or usage ratio from several methods.

Capacity

H-LINK	16
RC group	2,560 (*1)
Group	2,048 (*1)
Block	512 (*2)
Area	512 (*2)
Indoor unit	2,560 (*1)
Outdoor unit	1,024 (*1)
Building scale	Large

Extension adapter

PSC-AD128EX1

1) 1 extension adapter (PSC-AD128EX1) enables Central Station EX to control additional 160 RC groups / 128 groups / 160 IDUs / 64 ODUs. Central Station EX can connect up to 15 adapters.
(*2) No restriction on the number of H-LINK

Energy calculation software*

PSC-AS01EXC

Specifications

Rated power supply	100~240VAC ±10% (50/60Hz)
Electrical power consumption	50W (Max.)
Communication unit	Units of Adopting for H-LINK
Communication line	Two-wire non-polar
Communication speed	9,600bps
Wiring length	1,000m (Total Length)
Display	12.1 inch TFT color liquid crystal display
Display control	Touch Panel

Functions

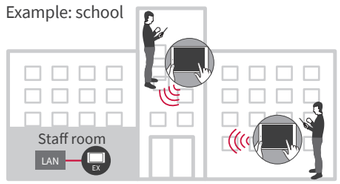
Operation unit	All together Each area Each block Each group Each indoor unit
Control function	On/Off Mode Set temperature Fan speed Louver RC prohibition Filter sign reset Function selection for indoor units (*1) Function selection for outdoor units (*2) Capacity control for outdoor units (*2) Lower noise control for outdoor units (*2)
Monitor function	On/Off Mode Set temperature Air intake temperature RC sensor temperature (*3) Air intake temperature of outdoor unit Fan Speed Louver RC prohibition Thermo-ON information Filter sign/Auto cleaning fault Alarm status/Alarm codes
Schedule function	Each of the following settings is available in 3 different [annual] [summer][winter] categories: → Weekly schedule → Up to 16 actions can be set per day → Exception day setting: 5 different types → Holiday setting Setting items in schedule is as below: • On/Off • Operation mode • Setting temperature • Louver • Fan speed • RC operation prohibition • Capacity control for outdoor units • Lower noise control for outdoor units
History	Alarm history: 10,000 records External In/Output history: 1,000 records Pulse input history: 6 months
Management report visualization	Up to 2 years worth of data history can be displayed for the following: • Accumulated operation time (min.) • Accumulated thermo-ON time (min.) • Average air intake temp temperature of indoor unit • Average air intake temperature of outdoor unit • Average setting temperature • Average RC sensor temperature
External input / output	Energy saving: • Run/Stop • RC prohibition • Temperature shift (For Cool/Dry mode: +1.0°C~+9.0°C (+1.0°F~+18.0°F)) • Mode shift (Mode shifted to Fan when in Cool/Dry mode) • Capacity control on outdoor units • Lower noise control for outdoor units Control/Monitor → Controlled items: • Run/Stop • Mode (Cool) → Monitored items: • Run/Stop • Mode (Cool) • Alarm state Others: • Power consumption signal input • Emergency stop

(*1) Some indoor units may not fully support all functions.
(*2) Available for applicable outdoor units only.
(*3) Whether this is shown on the screen depends on the remote controller settings.

Remote access.

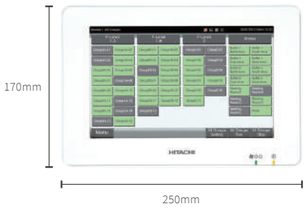
You can now operate Central Station EX from your laptop PC or touch panel PC.
Install our software and you can connect from anywhere, using our VPN network.

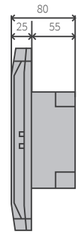
Example: school



CENTRAL STATION EZ FOR MEDIUM-SCALE BUILDINGS

(PSC-A64GT)





Lateral view (mm)

With easy control via an 8.5 inch color touch panel, its detailed control functionalities such as Weekly Scheduling, Operation hours tracking, and more, help you save energy. Up to 64 remote-controlled groups and up to 160 indoor units can be connected to the Central Station EZ.

Capacity

RC group	64
Group	64
Block	4
Indoor Unit	160
Outdoor Unit	64
Building Scale	Small-Medium

Specifications

Rated Power Supply	1-, AC 100-240V, 50/60Hz
Electrical Power Consumption	30W (Max.)
Communication Unit	Units of Adopting for H-LINK
Communication Line	Non-polar 2-wire
Communication Speed	9,600bps
Wiring Length	1,000m (Total Length)
Display	8.5-inch Wide Color LCD (Full Dot)
Display Control	Touch Panel

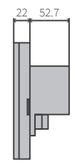
Functions

Monitor Function	• Run/Stop/Abnormality • Setting Temperature • RC Operation Prohibited Setting • Accumulated Operating Time • Operation Mode • Setting Fan Speed • Setting Louver • Filter Sign • Alarm Code
Control Function	• Run/Stop* • Fan Speed • Operation Mode • Louver • Temperature Setting • RC Operation Prohibited • Filter Sign Reset

*The "All Groups Run/Stop" command signal exception function for selected groups is available via the "Exception of Run/Stop Operation" function.

CENTRAL STATION MINI FOR SMALL-SCALE BUILDINGS

(PSC-A32MN)



Lateral view (mm)

With easy control via an 5.0 inch color touch panel, its detailed control functionalities such as weekly scheduling, operation hours tracking, help you save energy. Up to 32 remote-controlled groups and up to 160 indoor units can be connected to the Central Station mini.

Capacity

RC group	32
Group	32
Block	4 Patterns (2/4/8/16)
Indoor Unit	160
Outdoor Unit	64
Building Scale	Small

Specifications

Rated Power Supply	1-, AC 100-240V, 50/60Hz
Electrical Power Consumption	20W (Max.)
Communication Unit	Units of Adopting for H-LINK
Communication Line	Non-polar 2-wire
Communication Speed	9,600bps
Wiring Length	1,000m (Total Length)
Display	5.0-inch Wide Color LCD (Full Dot)
Display Control	Touch Panel

Functions

Monitor Function	• Run/Stop/Abnormality • Setting Temperature • RC Operation Prohibited Setting • Accumulated Operating Time • Operation Mode • Setting Fan Speed • Setting Louver • Filter Sign • Alarm Code"
Control Function	• Run/Stop* • Fan Speed • Operation Mode • Louver • Temperature Setting • RC Operation Prohibited • Filter Reset Signal

* "All Groups Run/Stop" command signal exception function for selected groups is available by "Exception of Run/Stop Operation." function.

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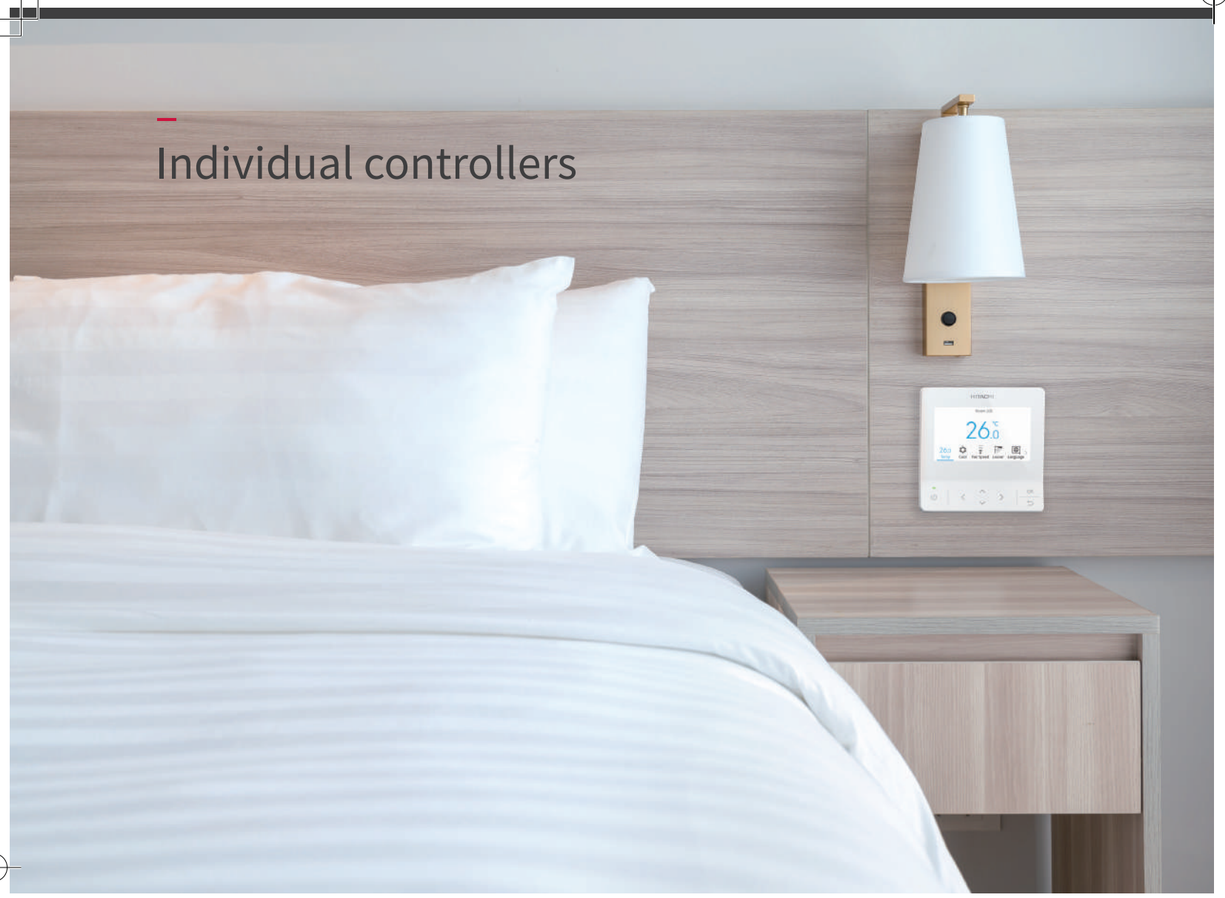

Individual controllers

NEW
ADVANCED COLOR WIRED REMOTE CONTROLLER (PC-ARFG)

- Exclusive color screen & Award-winning design.
- Simplified menu and enhanced UIUX.
- Includes latest VRF features such as FrostWash™ and several comfort settings.

WIRED REMOTE CONTROLLER (HCWA10NEGQ)

- 88mm square controller with LCD screen.
- Smaller body with multiple features.
- Best option for spaces frequented by recurring users, e.g. offices.

ADVANCED WIRELESS REMOTE CONTROLLER (PC-AWR)

- Wireless remote controller with more features.
- Several temperature units and settings available; 0.5°C/1.0°C/1.0°F.
- Ideal for controlling the unit from anywhere in the room, e.g. residential spaces.

ADVANCED WIRED REMOTE CONTROLLER (PC-ARF1)

- 120mm square controller with LCD screen.
- Multiple power-saving features.
- Best option for spaces frequented by the same users, e.g. offices.

SIMPLIFIED WIRED REMOTE CONTROLLER (PC-ARH1)

- Focused on easy operation.
- Mainly for temperature setting.
- Ideal for spaces that accommodate short-term visitors, e.g. hotels and hospital rooms.

WIRELESS REMOTE CONTROLLER (PC-LH7QE)

- Budget option featuring primary control settings.
- 1.0°C temperature step.
- Ideal for visitors to control the unit from anywhere in the room, e.g. hotel suite.

FROM BASIC TO ADVANCED CONTROLS

			ADVANCED COLOR WIRED REMOTE CONTROLLER	ADVANCED WIRED REMOTE CONTROLLER	WIRED REMOTE CONTROLLER	SIMPLIFIED WIRED REMOTE CONTROLLER	ADVANCED WIRELESS REMOTE CONTROLLER	WIRELESS REMOTE CONTROLLER
			NEW PC-ARFG	PC-ARF1	HCWA10NEGQ	PC-ARH1	PC-AWR	PC-LH7QE
Connection Capacity		RC Groups	1	1	1	1	-	-
		Indoor units (*1)	16	16	16	16	-	-
Setting	Temperature Setting Rate (*2)		0.5°C/1.0°C/1.0°F	0.5°C/1.0°C/1.0°F	0.5°C/1.0°C/1.0°F	0.5°C/1.0°C/1.0°F	0.5°C/1.0°C/1.0°F	1.0°C
	Indoor Fan Speed (*2) (*3)		3/4/6 taps	3/4/6 taps	3/4/6 taps	3/4/6 taps	3/4/6 taps	3/4/6 taps
	Louver Direction (*2)		●	●	●	●	●	●
	Individual Louver Setting (*2)		●	●	●	-	-	-
	Remote Control Primary-Secondary Setting		●	●	-	●	-	-
	In Use of Total-Heat-Exchanger	Ventilation	●	●	-	-	-	-
		Total Heal Exchanger Setting	●	●	-	-	-	-
	Function Selection	Automatic Restart with Eco-operation	●	●	-	-	-	-
		Automatic Reset Temperature (Cooling)	●	●	●	●	-	-
		Temperature Indication (*4)	●	●	●	-	-	-
Service & Installation	Admin Password Setting		●	-	-	-	-	-
	Filter Signal		●	●	●	-	-	-
	Filter Signal Reset		●	●	●	-	●	●
	Louver Open/Close		●	●	-	-	-	-
	Room Name Setting		●	●	-	-	-	-
	Alarm Signal		●	●	●	●	-	-
	Side-by-side indoor unit identification		-	-	-	-	●	●
	Hotel mode		●	-	-	-	-	-
	Fan Speed at Thermo-Off (Cooling)		●	●(*7)	●(*7)	●(*7)	-	-
	Screen	Screen Adjustment	●	●	-	-	-	-
		Language	English, Japanese, Chinese (traditional & simplified), French, Spanish, Portuguese	English, French	-	-	-	-
		Temperature Unit_°C/°F (*5)	●	●	●	●(*5)	●	-
		Run Indicator brightness adjustment	●	●	-	-	-	-
		Key touch sound	●	-	●	-	-	-
	Check Menu	Sensor Condition Check	●	●	●	●	-	-
		Sensor Data Check	●	●	●	●	-	-
		Model Display (*2)	●	●	-	-	-	-
		Indoor/Outdoor PCB Check	●	●	-	-	-	-
		Alarm History Display	●	●	●	-	-	-
	Test Run	Test Run	●	●	●	-	-	-
		Function Selection (Optional Function Setting)	●	●	●	●	-	-
		Thermistor Selection	●	●(*7)	●(*7)	●(*7)	-	-
		Thermistor Calibration	●	●(*7)	-	●(*7)	-	-
		Input / Output Setting	●	●	●	●	-	-
		Indoor Unit Address Change	●	●	●	-	-	-
		Indoor Unit Address Operation Check	●	●	-	-	-	-
		Indoor Unit Address Initialization	●	●	-	-	-	-
		Input / Output Setting Initialization	●	●	-	-	-	-
		Compressor Pre-Heat Control Cancellation	●	●	-	-	-	-
		Contact Information Registration	●	●	-	-	-	-
Management	Operation Lock/Set		●	●(*7)	●(*6)(*7)	●(*7)	-	-
	Lower Limit for Cooling Operation		●	●(*7)	●(*7)	●(*7)	-	-
	Simple Timer (On/Off)		●	●	●	-	●	●
	Date/time setting		●	●	●	-	-	-
	Automatic OFF Timer Setting		●	●(*7)	-	●(*7)	-	-
	Schedule	Weekly Schedule	●	●	●	-	-	-
		Settable Timer Operation Times (Per Day)	5	5	1	-	-	-
		Holiday Setting	●	●	-	-	-	-
		Schedule On/Off	●	●	-	-	-	-
Power-Saving	Power-Saving with Motion Sensor		●	●	-	-	-	-
	Outdoor Unit Capacity Control	Peak cut control	●	●	-	-	-	-
		moderate control	●	●	-	-	-	-
	Indoor Unit Rotation Control	Indoor Unit Address	●	●	-	-	-	-
		Indoor Air Temperature difference	●	●	-	-	-	-
		With Motion Sensor	●	●	-	-	-	-
	Automatic Fan Operation		●	●	-	-	-	-
MENU	Auto-Elevating Grille		●	●	-	-	-	-
	ODU Night Quiet Mode		●	●	-	-	-	-
	AutoBoost (quick function)		●	●	-	-	-	-
	Comfort Setting	Control Cool Air (GentleCool)	●	●	-	-	-	-
		Direct/Indirect louver direction in COOL	●	●	-	-	-	-
		FloorSense; Cool Air Flow	●	-	-	-	-	-
	Power Saving/Night Quiet Schedule		●	●	-	-	-	-
	Filter Cleaning		●	●	-	-	-	-
	FrostWash™ Setting		●	-	-	-	-	-
	Daylight Saving Time		●	●	-	-	-	-
	Setback (Hotel Temperature Setback)		●	●	-	-	-	-
	Power Consumption Display		●	●	-	-	-	-

(*1) All 16 indoor units need to be connected with transition wire.
(*2) Actual availability may vary depending on the indoor unit model connected to the controller. Please consult your Hitachi Cooling & Heating representative for more details.
(*3) 6 steps available in RPIZ-HNDTSQ compact ducted indoor unit only.
(*4) Reference room temperature can be chosen: from indoor unit's air inlet thermistor or from the thermistor built-in the controller itself.
(*5) Please contact your distributor in case temperature unit needs to be changed from °C to °F.
(*6) Only "bulk operation lock" available.
(*7) Optional setting Items for function selection.

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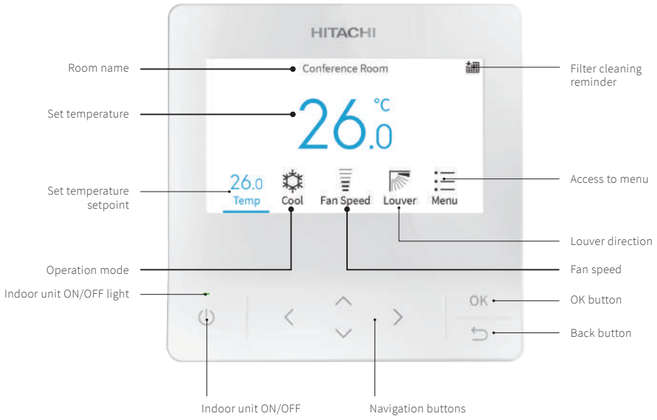
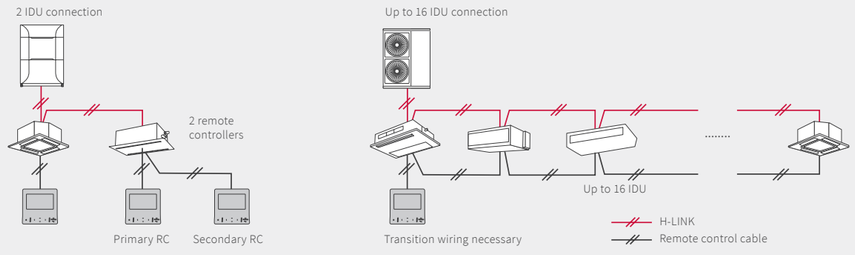
Individual controllers

NEW
ADVANCED COLOR WIRED REMOTE CONTROLLER (PC-ARFG)



Outer dimensions (H×W×D)
121×120×16.5mm (thinnest)
121×120×21.5mm (thickest)

System configuration example



Functions

Function menu	Simple Timer
	Operation Schedule
	Power-Saving Setting
	Night Quiet Operation
	Power-Saving/Night Quiet Schedule
	Power Consumption Display
	Autoboost
	Comfort Setting
	Motion Sensor Setting
	Setback Setting
	Elevating Grille
	Reset Filter Reminder Time
	Filter cleaning
	Individual Louver Setting
	Louver Open/Close
	Ventilation
	Total Heat Exchanger SET
Screen Display setting	Adjust Date/Time
	Run Indicator Brightness
	Display Adjustment
	Temperature
	Language Setting

Service and installation menu / Service	Lock Function
	Password Setting
	Hotel Mode Set hotel mode valid/invalid
	Power-Saving Detail Setting
	Temperature Range Restriction
	Dual Setpoint
	Main/Sub Display
	Set Room Name
	Set Contact Information
	Simple Maintenance
Service and installation menu / Installation	Test Run
	Function Selection
	Input/Output
	Thermistor Selection
	Thermistor Calibration in Controller
	Fan Speed at Thermo-Off (cooling mode)
	Indoor Unit Address Change
	Address Check Operation
	Address Initialization

Service and installation menu / Installation	Setting Initialization
	Main Remote Setting
	Priority Setting
	Cancel Preheating Control
	Elevating Grille Setting
	Power Up Setting
	Setback Trigger Unit
Service and installation menu / Check	Check 1
	Check 2
	Alarm History Display
	Display Model Number
	Units PCB check
	Self Check

Auto mode
(Color: sand)

EUROPEAN PRODUCT DESIGN AWARD

Outstanding design and user experience.

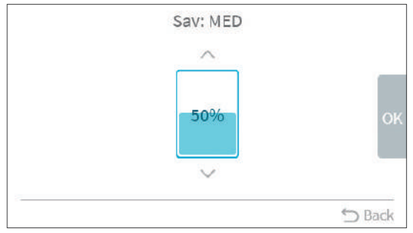
With a sleek, award-winning design, our new advanced color controller offers elegance and ease-of-use.
A simplified, intuitive and colorful menu makes controlling your ideal climate a breeze.

Cooling mode (Color: warm blue) | Fan mode (Color: cool purple) | Dry mode (Color: cool turquoise)

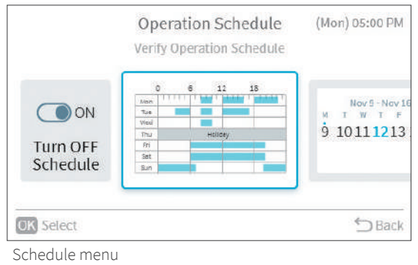
From basic to advanced functions

Adjust the air conditioning to enhance comfort and save energy with ease.

1) Functions include GentleCool, which controls the temperature of discharged air, for smooth cooling down and cold drafts prevention. AutoBoost activates for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster with a powerful automatic mode.
2) AC scheduling is easier than ever, thanks to flexible options such as a holiday calendar.
3) Save even more energy with power-saving functions for VRF system operators. Cut peak capacity, rotate the thermal operation of indoor units, and use Hitachi's dedicated power-saving schedule to match your utility tariff plan.



Capacity control setting



Schedule menu

Additional functions

- Minimize outdoor unit noise at night with the schedulable quiet mode.
- **NEW** Hotel mode display provides quick access to the most popular AC functions for guests, including language selection.

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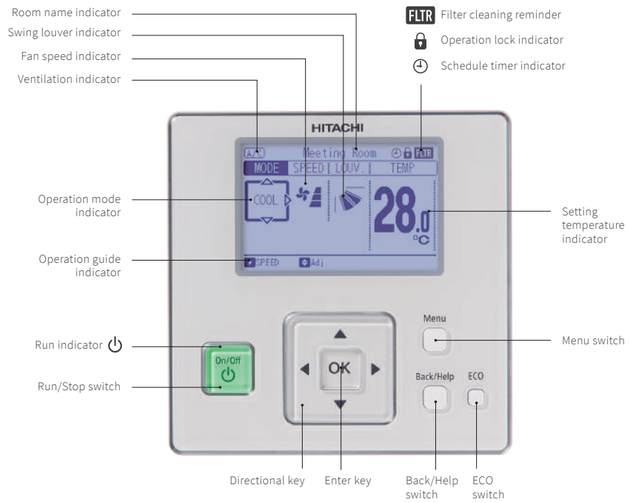
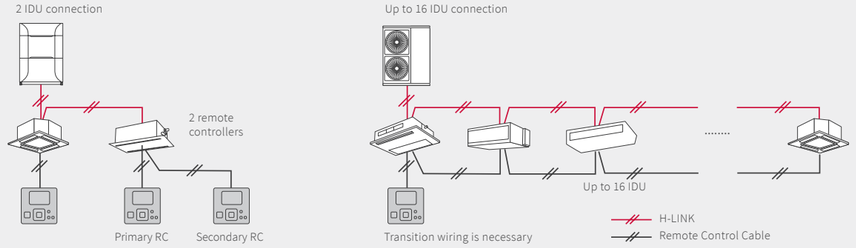
Individual controllers

ADVANCED WIRED REMOTE CONTROLLER (PC-ARF1)



Outer dimensions (H×W×D)
(mm) 120.0×120.0×17.9

System configuration example



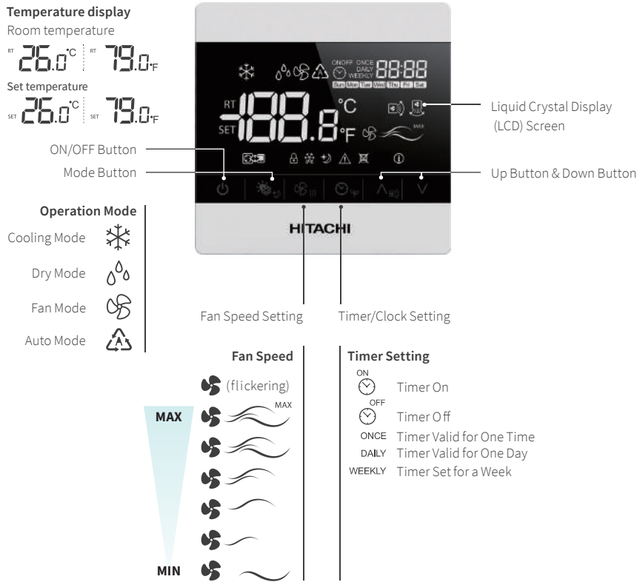
Functions

Setting		Run/Stop
		Operation Mode
		Auto Mode Setting
		Temperature Setting
		Temperature Setting Rate 0.5°C/1.0°C/1.0°F
		Fan Speed 3/4/6 Taps
		Louver Direction
		Individual Louver Setting
		Remote Control Primary-Secondary Setting
	In Use of Total-Heat-Exchanger	Ventilation
		Total Heal Exchanger Setting
	Function Selection	Automatic Restart with Eco-operation
		Automatic Reset Temperature (Cooling)
		Temperature Indication
Service		Filter Signal
		Filter Signal Reset
		Louver Open/Close
		Room Name Setting
		Alarm Sign

Screen	Screen Adjustment
	Language
	Temperature Unit °C /°F
	Adjusting Brightness of Run Indicator
Check Menu	Sensor Condition Check
	Sensor Data Check
	Model Display
	Indoor/Outdoor PCB Check
	Self Checking
	Alarm History Display
Test Run	Test Run
	Function Selection (Optional Function Setting)
	Thermistor Selection
	Input/Output Setting
	Indoor Unit Address Change
	Indoor Unit Address Checking Operation
	Indoor Unit Address Initialization
	Input-Output Setting Initialization
	Compressor Pre-Heat Control Cancellation
	Contact Information Registration

Management	Operation Lock/Set
	Main/Sub Control
	Built-in-Timer (On/Off)
	Adjusting Date/Time Setting
	Thermometer Indication
Power-Saving	With Motion Sensor Kit
	ODU Capacity Control
	• Peak-cut Control
	• Moderate Control
	Indoor Unit Rotation Control
	Automatic Fan Operation
	Auto Recovery of Temperature
	Lower Limit for Cooling Operation
	Power Consumption Visualization
Schedule	Weekly Schedule
	Set Timer Operation Times (per day): 5
	Holiday Setting
	Schedule On/Off
	ODU Noise Reduction Schedule

WIRED REMOTE CONTROLLER (HCWA10NEGQ)



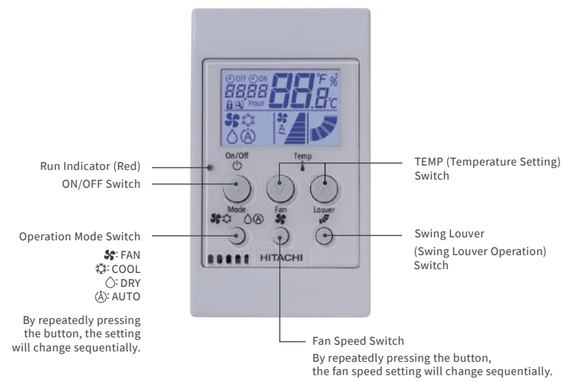
Outer dimensions (H×W×D)
(mm) 88.0×88.0×15.5

Functions

Setting	Run/Stop
	Operation Mode
	Auto Mode Setting
	Temperature Setting
	Temperature Setting Rate 0.5°C/1.0°C/1.0°F
	Back-light screen
	Fan Speed 3/4/6 taps
	Louver Direction
	Key touch sound
Service	Sensor Condition Check
	Sensor Data Check
	Alarm History Display
Test Run	Test Run
	Function Selection (Optional Function Setting)
	Thermistor Selection
	Thermistor Calibration
	Input / Output Setting
	Indoor Unit Address Change
Management	Operation Lock/Set
	Lower Limit for Cooling Operation
Schedule	Simple Timer (On/Off)
	Date/time setting

Notes:
1. Fan speed taps setting unit availability varies with the indoor unit. Please check each technical catalog in advance.
2. Initial setting of temperature display is "Set temperature" display only. Please contact your dealer to display room temperature.

SIMPLIFIED WIRED REMOTE CONTROLLER (PC-ARH1)



Outer dimensions (H×W×D)
(mm) 120.0×70.0×17.0

Functions

Setting	Run/Stop
	Operation Mode
	Auto Mode Setting
	Temperature Setting
	Temperature Setting Rate 0.5°C/1.0°C/1.0°F
	Back-light screen
	Fan Speed 3/4/6 taps
	Louver Direction
Test Run	Function Selection (Optional Function Setting)
	Thermistor Selection
	Thermistor Calibration
	Input / Output Setting
Management	Operation Lock/Set
	Lower Limit for Cooling Operation
	Automatic OFF Timer Setting

*Please contact your dealer in case "temperature setting rate" needs to be changed from °C to °F.

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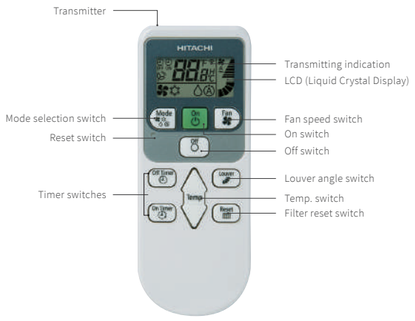
Individual controllers

ADVANCED WIRELESS REMOTE CONTROLLER (PC-AWR)



Outer dimensions (H×W×D) (mm) 140.0×55.0×16.8

Functions

Setting	Run/Stop
	Operation Mode
	Auto Mode Setting
	Temperature Setting
	Temperature Setting Rate 0.5°C/1.0°C/1.0°F
	Fan Speed 3/4/6 Taps
	Louver Direction
Service	Filter Sign Reset
	Side-by-side indoor unit identification
	Temperature Unit °C/°F
Schedule	Built-in Timer (On/Off)

WIRELESS REMOTE CONTROLLER (PC-LH7QE)

Outer dimensions (H×W×D) (mm) 140.0×52.0×19.3

Functions

Setting	Run/Stop
	Operation Mode
	Auto Mode Setting
	Temperature Setting
	Temperature Setting Rate 1.0°C
	Fan Speed 3/4/6 Taps
	Louver Direction
Service	Side-by-side indoor unit identification
	Temperature Unit °C
Schedule	Built-in Timer (On/Off)

RECEIVER KIT FOR WIRELESS REMOTE CONTROLLER

Model	PC-RLH11 (Basic)			PC-ALHZ1 (Advanced)					
Indoor unit	Ducted High ESP (AC Motor)	Ducted Medium ESP (AC Motor)	Ducted Low ESP (AC Motor)	Ducted Compact: AC Motor	Ducted Compact: DC Motor	Ducted Larger Air Volume (AC Motor)	Wall-Mounted (DC Motor)	Floor / Ceiling Convertible	Floor Concealed
	RPI-HNAUNQ RPI-FSNQ	RPIM-HNAUNQ RPI-FSN3Q	RPIL-HNAUNQ	RPIZ-HNATNQ	RPIZ-HNDTSQ	RPI-FSN2SQ	RPK-HNBUSQ	RPFC-FSNQ	RPFI-FSNQ
Advanced Wireless Remote Controller PC-AWR	○	○	○	○	○	○	○	○	○
Standard Wireless Remote Controller PC-LH7QE	○	○	○	○	○	○	○	○	○

Model	HR4A10NEWQ (Basic)	PC-ALH3 (Advanced)	PC-ALHC1 (Advanced)	P-AP56NAMR (Advanced)	PC-ALHD1 (Advanced)	PC-ALHS1 (Advanced)	PC-ALHP1 (Advanced)	PC-ALHZ1 (Advanced)				
Indoor unit	4-way Cassette	4-way Cassette	4-way compact Cassette	4-way compact Cassette	2-way Cassette	1-way Cassette	Ceiling Suspended	Wall-Mounted	Floor Exposed	Floor Concealed	Ducted High ESP	Ducted Medium ESP
	RCI-FSKDNQ	RCI-FSRP	RCIM-FSRE	RCIM-FSRE	RCD-FSR	RCS-FSR	RPC-FSR	RPK-FSRM	RPF-FSN2E	RPFI-FSN2E	RPI-FSR RPI-FSN1	RPIM-FSR
Advanced Wireless Remote Controller PC-AWR	○	○	○	○	○	○	○	○	○	○	○	○
Standard Wireless Remote Controller PC-LH7QE	○	–	–	–	–	–	–	–	–	–	–	–

Basic Limited function available for centralized controllers
Temperature setting rate [1.0°C] only
Advanced Full function available for centralized controllers
Temperature setting rate [0.5°C/1.0°C/1.0°F]

(*) Basic function receiver kit is installed as a standard part in this wall-mounted unit. Wireless remote controller (PC-LH7QE) is delivered as a standard accessory as well. If separate placement of receiver kit is required, please use optional basic receiver kit [PC-RLH11] or optional advanced receiver kit [PC-ALHZ1].

Notes: When using a basic receiver kit PC-RLH11 or HR4A10NEWQ together with wireless remote controller PC-LH7QE:
1) It won't be possible to lock individual remote controllers from Hitachi Central Stations (mini/EZ/EX)
2) It won't be possible to apply min/max restrictions on set temperature from Hitachi Central Stations (mini/EZ/EX)

Others

BMS ADAPTER for BACnet® HC-A64BNP1

CONTROL UP TO 64 INDOOR UNITS

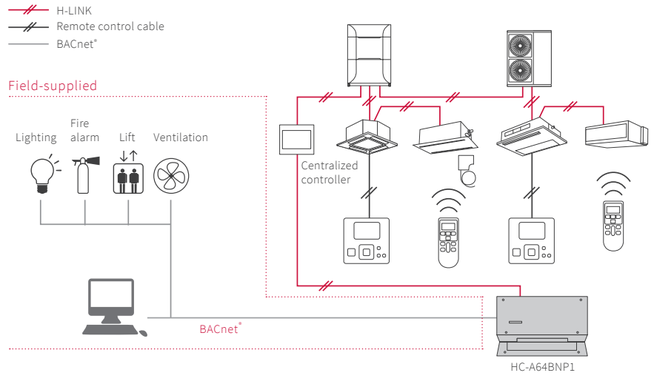
Specifications

Outer dimensions (H×W×D)
(mm) 68.0×240.0×154.0

Functions

Corresponding BACnet® Standard	ANSI/ASHRAE Standard 135-2004 BACnet®
Control Item at Upper System	• Run Stop (Setting) • Operation Mode (Setting) • Fan Speed Level (Setting) • Indoor Temperature (Setting) • RC Operation lock (Setting) • Filter Sign Reset
Monitoring Item at Upper System	• Run Stop (State) • Operation Mode (State) • Fan Speed Level (State) • Indoor Temperature (State) • Prohibiting RC Operation (State) • Filter Signal • Indoor Air Intake Temperature • Alarm Signal • Alarm Code • Communication State

System configuration example



BMS ADAPTER for LONWORKS® HARC70-PE1

BIGGER CONNECTION CAPACITY (UP TO 128 INDOOR UNITS)

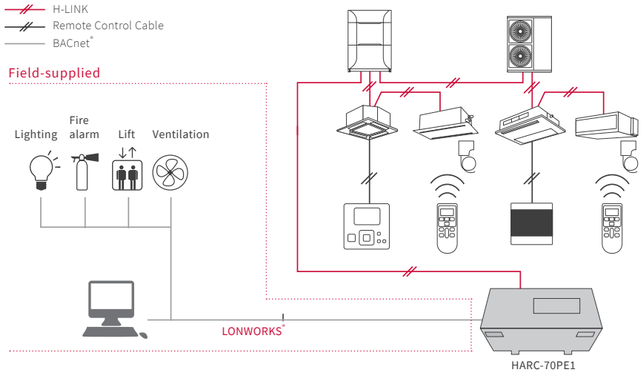
Specifications

Outer dimensions (H×W×D)
(mm) 80.0×170.0×75.0

Functions

Connection Method to Upper System	Connection by SNVT (Standard Network Variable Type) to LONWORKS® Network
Quantity of Connection	8 Remote Control Groups (Max. 128 indoor Units)
Control Item in Upper System (ng: 0~7)	• On/Off Order (nviOnOff_ng) • Operation Mode Setting (nviMode_ng) • Temperature Setting (nviSetPoint_ng) • All On/Off Order (nvi All OnOff)
Monitoring Item in Upper System (ng: 0~7)	• On/Off State & Alarm (nvoOnOff_ng) • Operation Mode State (nvoMode_ng) • Temperature Setting (nvoSetPoint_ng) • Individual Thermostat State (nvoThermo_ng)

System configuration example



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H-LINK: enjoy more freedom

WHAT IS H-LINK?

H-LINK is Hitachi Cooling & Heating original communication system to control multiple VRF refrigerant systems from one centralized control point.

H-LINK simplifies commissioning and service maintenance for installers and service engineers. For building owners and occupants, it provides outstanding versatility enabling the connection of various types of central control options, enabling better system management. Our proprietary high-performance communication system enables the connection of control wiring between indoor and outdoor units, and between a centralized control system and indoor/outdoor units across two or more refrigerant systems.

Examples

Educational institutions such as primary schools where installation work cannot be performed on weekdays.

Hotels where it is preferable to complete installation work during late evenings.

Rehabilitation facilities or hospitals where it is necessary to minimize the burden on users.

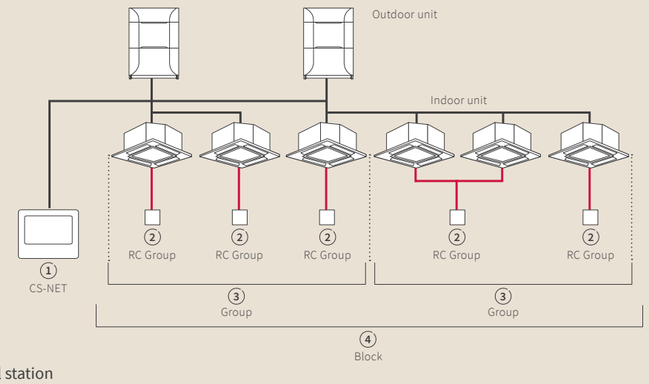
3x more benefits!

1
Flexible wiring routes: no restrictions & time-saving at installation.

2
Can connect with various types of Hitachi air conditioning products, including VRF and mini splits, for centralized controls.

3
No adapter is needed! Simple connection to terminal blocks.

Definition of terms in Hitachi centralized control systems



① CS-NET/Central station
→ Hitachi original centralized controller.

② RC Group (Remote Controller System Group)
→ Stands for a number of indoor units (up to 16 units) connected using "same remote controller" wiring. In this group, connected indoor units are all controlled in the same way.

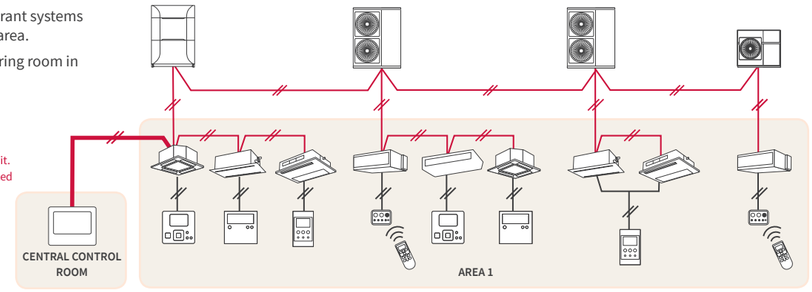
③ Group
→ Stands for the multiple "RC groups" that are registered in the centralized controller network setting.

④ Block
→ Stands for the multiple "groups" that are registered in the centralized controller network setting.

CENTRALIZED CONTROLS: FLEXIBLE WIRING ROUTE!

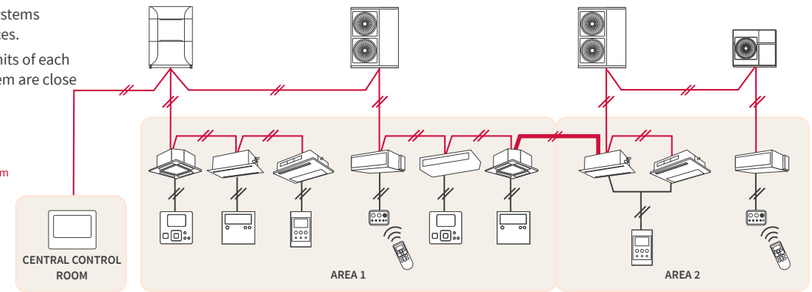
(1) • Multiple refrigerant systems located in one area.
• Central monitoring room in separate area.

H-LINK SOLUTION
→ Wire the central station to the closest indoor unit.
→ Wiring distance is reduced substantially.



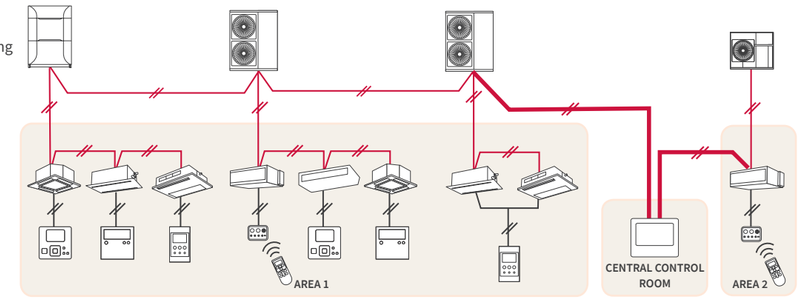
(2) • Refrigeration systems in different places.
• Some indoor units of each respective system are close to one another.

H-LINK SOLUTION
→ Where two indoor units of each respective system are close together: you can connect two refrigerant systems via the indoor units.
→ Wiring distance is reduced substantially.



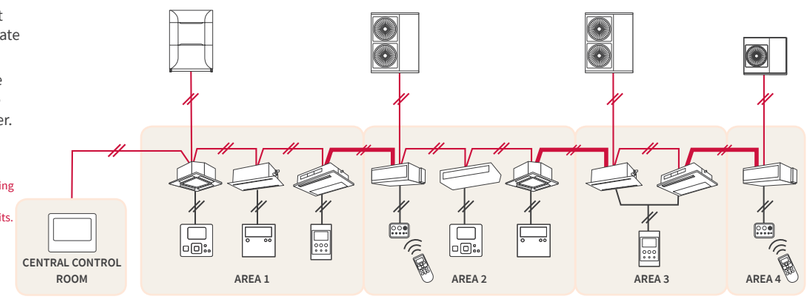
(3) • One refrigerant system far away from theremaining ones.

H-LINK SOLUTION
→ Connect the farthest refrigerant system directly to central station either to outdoor units or indoor units.
→ The central station can make the central link between the different refrigerant systems.



(4) • Each refrigerant system in separate areas.
• Indoor units are closer from one group to another.

H-LINK SOLUTION
→ Centralized control can be achieved by connecting the refrigerant systems via the closer indoor units.
→ Wiring can be indoors only.



H-LINK solution — H-LINK — Remote control cable

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