air

Company Name

CUSTOMER SERVICE

SALES OFFICE

SPARE PARTS

DISTRIBUTOR

CERTIFICATION

Concerning [Quality Management Systems]
ISO 9000 series
Hitachi-Johnson Controls Air Conditioning, Inc.
Shimizu Factory
JQA-1084 obtained in November 1995

Concerning [Environmental Management Systems]
ISO 14000 series
Hitachi-Johnson Controls Air Conditioning, Inc.
Shimizu Factory
EC97J1107 obtained in October 1997

Concerning [Occupational Health and Safety Management Systems]
ISO45001/ OHSAS 18001
Hitachi-Johnson Controls Air Conditioning, Inc.
Shimizu Factory
WC18J0002 obtained in July 2018

*Not all the products listed in this catalogue are not manufactured in Shimizu Factory.
Please consult the distributor for more details.

WARRANTY

SOCIAL MEDIA

Catalogue number

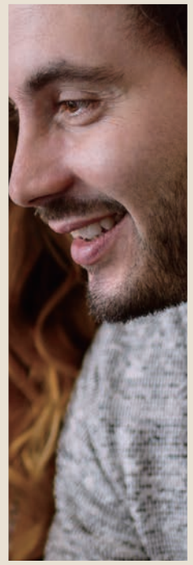
HITACHI

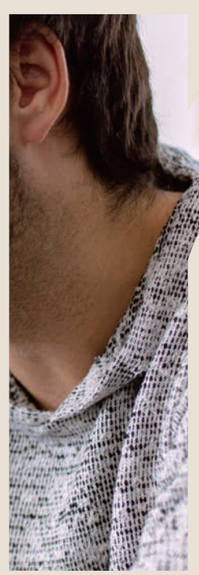
SET FREE Σ

VARIABLE REFRIGERANT FLOW SYSTEM

AIR SOURCE HEAT PUMP TYPE

High efficiency model: FSNP series
Standard model: FSNS series





Cooling & Heating

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.

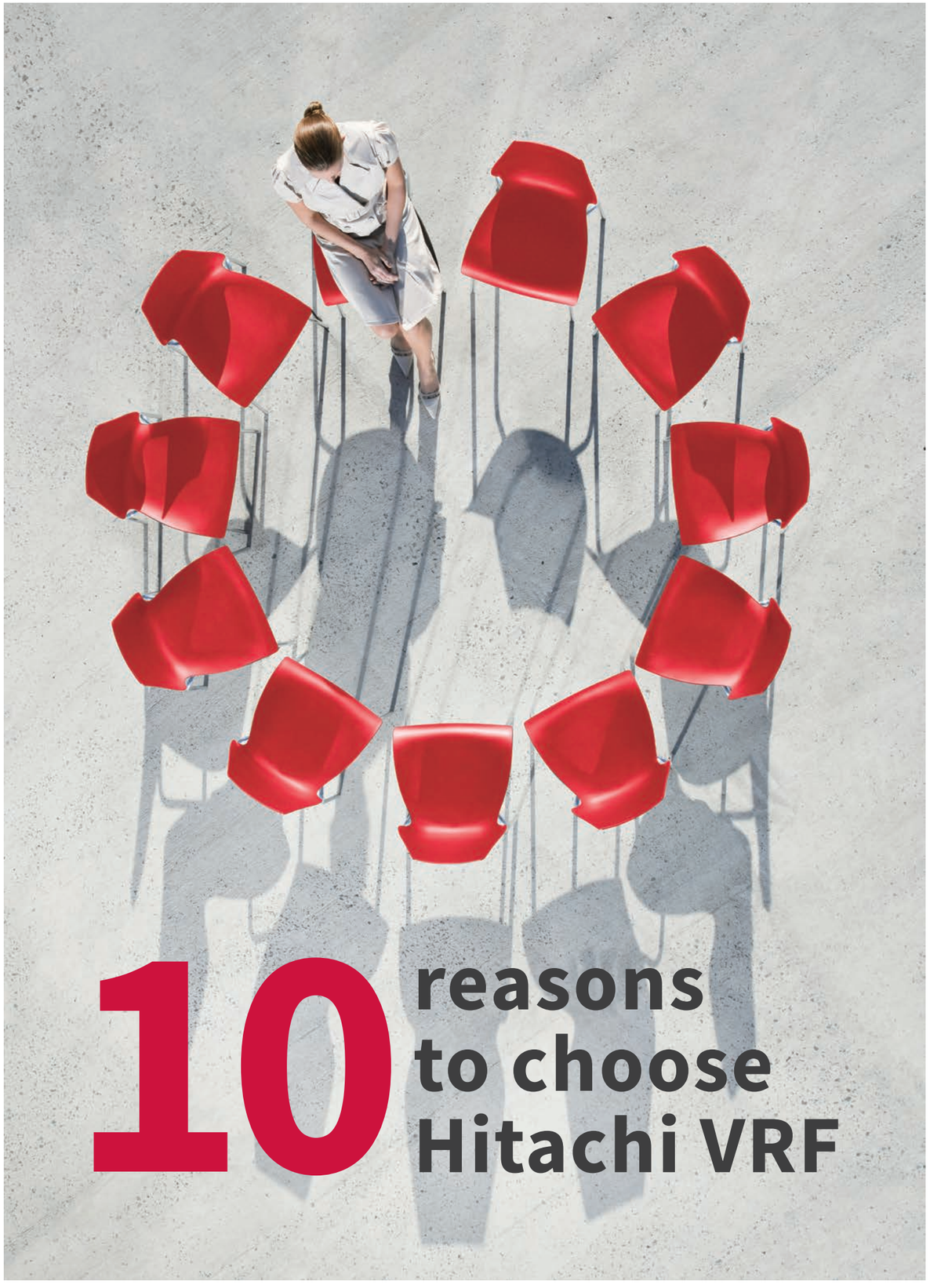
INDEX

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 80.



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 (upcoming)

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

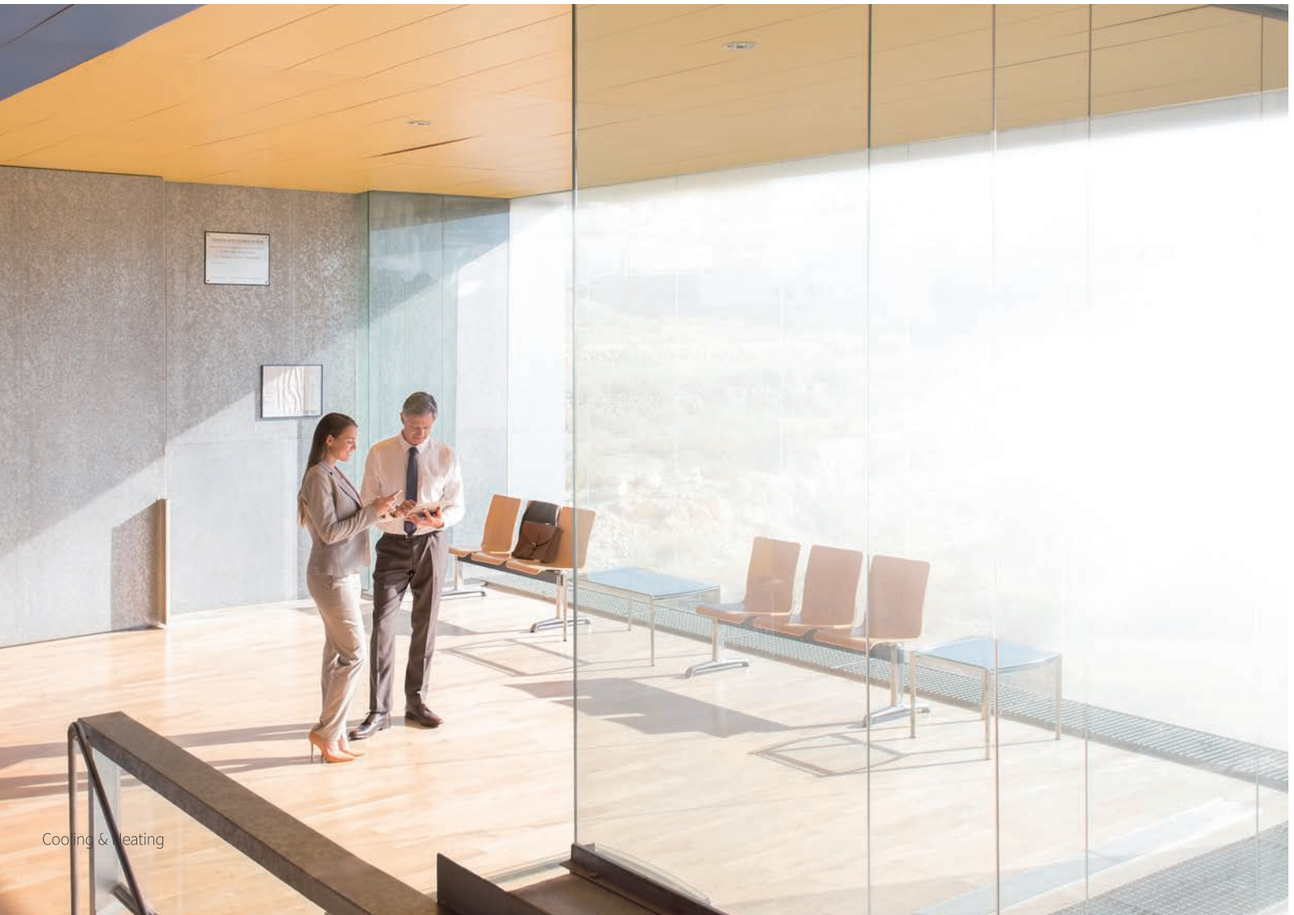
- Over 30 models available around the globe
- Wide range of ceiling cassettes and ducted units for all types of configuration
- Ventilation
- Air Handling Unit Integration to Hitachi VRF

User-friendly controls

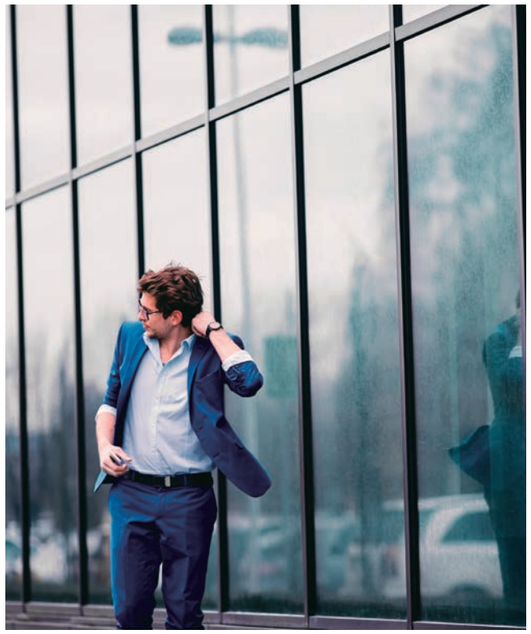
- Central Stations: large choice of interfaces for simple centralized control operations
- Individual controllers: variety of types
- airCloud Pro: cloud-based monitoring available in smartphone app and web

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

VRF OUTDOOR UNITS



Cooling & Heating



NEWLY IMPROVED

From Dublin to Dubai, people rely on Hitachi Cooling & Heating to work more productively, play and relax in comfort and sleep soundly. That's why our "SET FREE" range is designed to perform faultlessly under the most challenging conditions, with superior energy efficiency.

Designed to fit all types all buildings, our outdoor units have been recently upgraded to provide extra energy savings under part-load conditions.

AIR SOURCE HEAT PUMP TYPE

LINE UP

High efficiency model: FSNP series
Standard model: FSNS series

LARGER CAPACITY
UP TO 72HP CLASS (FSNP) / UP TO 96HP CLASS (FSNS)

Single Module
up to 18HP class (FSNP)
up to 24HP class (FSNS)

Two Modules Combination
up to 36HP class (FSNP)
up to 48HP class (FSNS)

Three Modules Combination
up to 54HP class (FSNP)
up to 72HP class (FSNS)

Whole range
up to 72HP class (FSNP)
up to 96HP class (FSNS)

*The image above = max capacity in each combination

SUMMARY TABLE

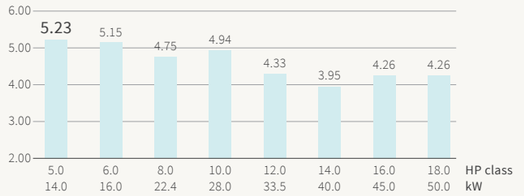
Item	Unit	High efficiency model: FSNP series	Standard model: FSNS series
Capacity	HP class	5-72	8-96
Nominal Cooling Capacity	kW	14.0 - 201.0	22.4-268.0
Nominal Heating Capacity	kW	16.0 - 225.0	25.0-305.0
Maximum Connectable Indoor Unit Quantity		64	64
Combination Capacity Ratio Between ODU and IDU *	%	50-150	50-130
Total Piping Length	m	1,000	1,000
Maximum Piping Length Between ODU and IDU	m	165	165
Maximum Equivalent Piping Length Between ODU and IDU	m	190	190
Maximum Piping Length Between 1st Branch and IDU	m	90	90
Maximum Height Difference Between ODU and IDU ** (when ODU is higher than IDU)	m	110	110
Maximum Height Difference Between ODU and IDU ** (when IDU is higher than ODU)	m	110	110
Maximum Height Difference Between IDU and IDU	m	30	30
Cooling Operation Range ***	°C DB	-5.0 to 52.0	-5.0 to 48.0
Heating Operation Range ***	°C WB	-20.0 to 15.0	-20.0 to 15.0

* 50-150% (5-54HP class)/50-130% (56-72HP class) (FSNP series)
** Please consult your distributor or dealer if the height different is over 50 metre. The maximum piping length for 56 to 72HP class (FSNP) / 56 to 96HP class (FSNS) is 90 metre.
*** For more details, please consult your distributors or dealer, or, refer to technical manuals

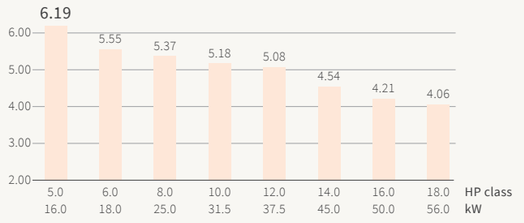
EFFICIENCY RATIO

High efficiency model: FSNP series

Cooling EER



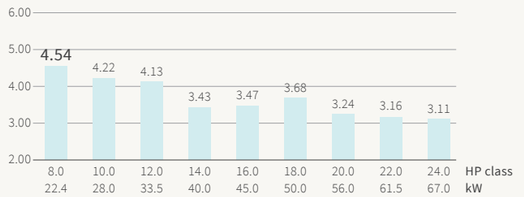
Heating COP



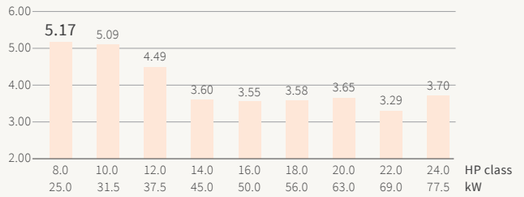
NOTES:
1. The above values indicate the EER/COP per outdoor unit when it is combined with specified indoor units.
2. The specification of EER/COP of each country is different according to the regulation. Please contact to the Sales person for more information.

Standard model: FSNS series

Cooling EER



Heating COP



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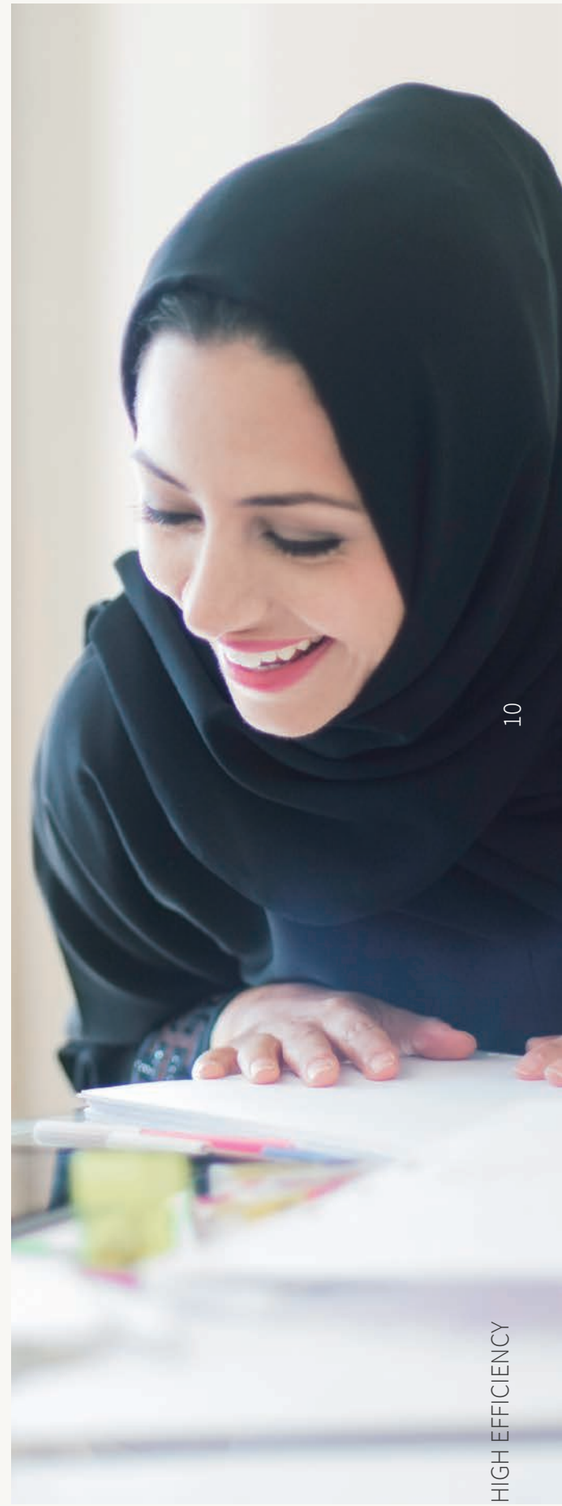


SMOOTHDRIVE™: SUPERIOR COMPRESSOR CONTROL

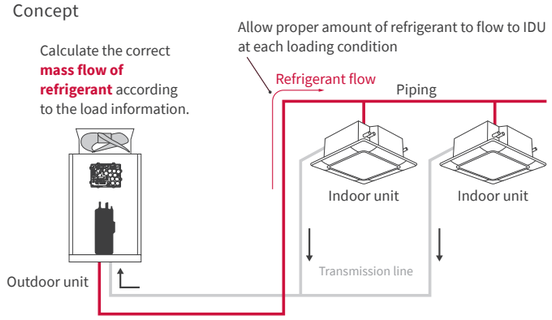
Energy savings in real life: it's more than ratings. You can uncover that we want to bring true value to your customers. Meeting high energy efficient standards in one thing, but on top of that, "SmoothDrive™" supports energy savings in real life conditions, as real life is made of fluctuations.

How does "SmoothDrive™" work?

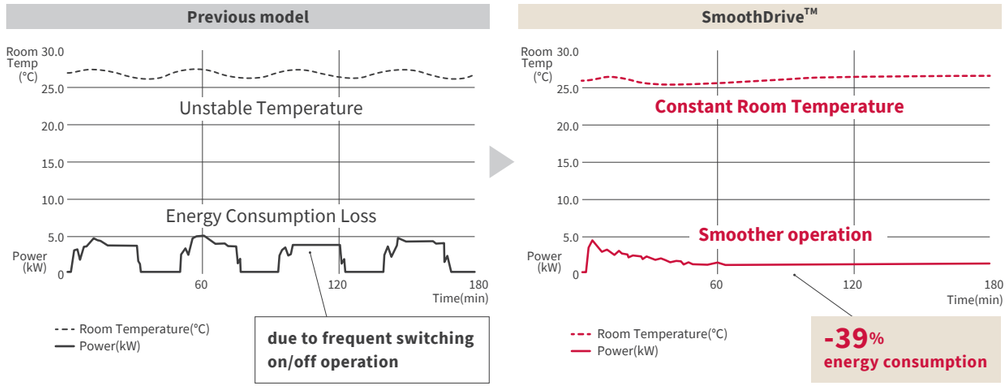
Brushed-up existing Variable Evaporating/ Condensing Temperature Control, "SmoothDrive™" directly regulates the mass-flow of refrigerant amount, by Hitachi original load-speculation technology!

- "SmoothDrive™" helps scroll compressor running continuously and smoothly even at Part 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

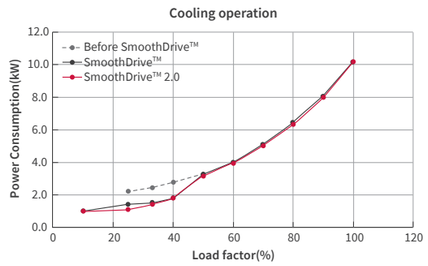


Actual example of the new compressor control (at 33% Part Load in cooling operation)



Simulation Result for All Load Conditions

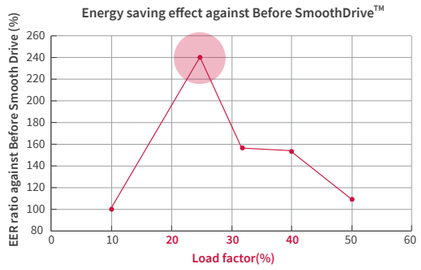
- Difference in power consumption versus load factor
- Power consumption is reduced when the load factor is 40% or less (note: break point 40% could be changed for different indoor space/thermal inertia);
- The effect from SmoothDrive™ 2.0 Control is not seen at the level of load below 10% of loading factor.



NEW SMOOTHDRIVE™ 2.0 CONTROL

Simulation Result for Efficiency Improvement

- Most improved EER is at the loading factor around 25%.



THE BEAUTY OF SILENCE

You can set up the night shift mode from Outdoor Unit PCB. The sound power level for a particular time zone can be set, based upon the usage environment.

Setting example (FSNS 14HP class)

Noise Reduction mode	FSNS 14HP class(40.0kW) Sound Power Level	FSNS 42HP class(118.0kW) Sound Power Level
Nominal	85dB(A)	89dB(A)
Step1	77.5dB(A)	86dB(A)
Step2	72.5dB(A)	81dB(A)
Step3	67.5dB(A)	76dB(A)

* The range of performance and operation is limited, since the rotation frequency of the compressor and ODU fan are forcibly decreased.
** In use of PC-ARF1 and limited indoor units only. Please consult the dealer in inquiry.

EASE OF MAINTENANCE

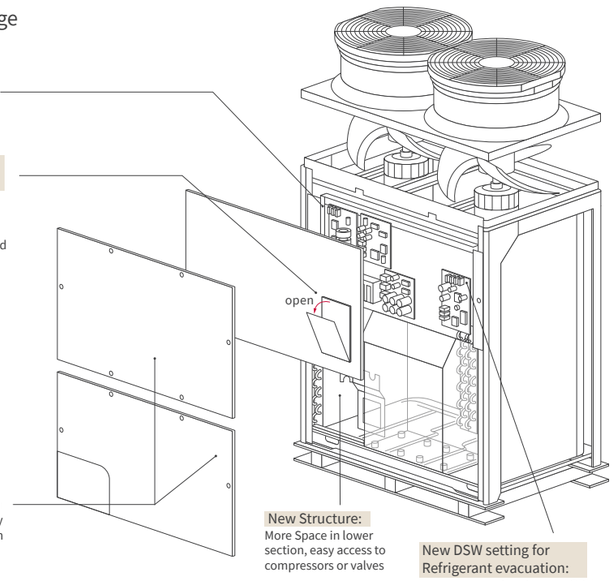
With a 7-segment display, revised upper and lower panels and convenient access to compressors and valves, SET FREE Σ outdoor units are easier to access, manage and maintain.

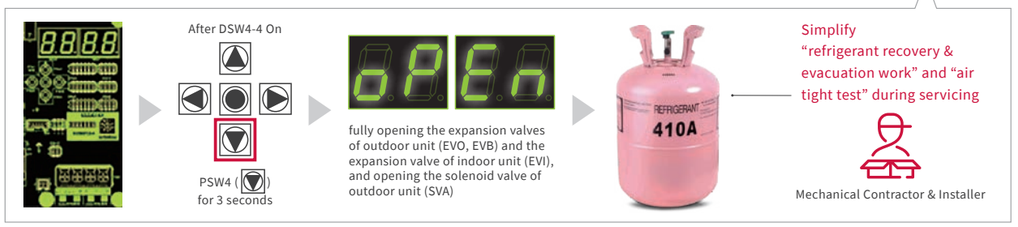
Total structure change

New Structure:
In upper section, all PCB visible and easily accessible

Newly adopted window for 7-segment display:
Adopting access door to the electrical box in the upper panel, which leads to easy access to 7-segment display, PSW & DSW and so on.

New Panel:
The upper panel (on the side of an electric box) can be independently detached from the lower panel (on the compressor chamber side)





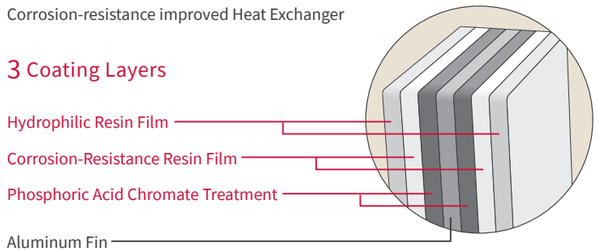
ABOUT THE INSTALLATION LOCATION

	Resistance to salt damage specifications	Resistance to heavy salt damage specifications
Installation Location	A location that is not exposed to sea breezes, but that appears to be suitable for such an atmosphere	A place that is susceptible to sea breezes (But the device is not directly exposed to water containing salt.)
Requirements for installation location	· A location where the outdoor unit is rinsed by the rain · A location that is not exposed to sea breezes · A location where the distance from the installation location of the outdoor unit to the sea is between approximately 300 meters and one kilometer · A location where the outdoor unit is in the shelter of a building	· A location where the outdoor unit receives little rain · A location that is directly exposed to sea breezes · A location where the distance from the installation location of the outdoor unit to the sea is up to approximately 300 meters · A location where the outdoor unit is mounted on the front of a building (beach side) · A location where corrugated iron roofs and the steel parts of balconies near the installation location of the outdoor unit are often repainted

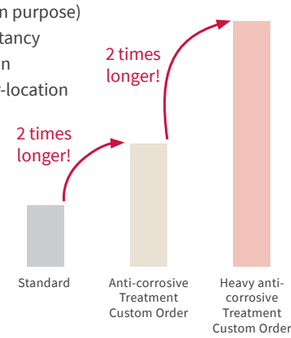
CORROSION RESISTANCE

Corrosion-resistance improved Heat Exchanger

3 Coating Layers



(illustration purpose)
Life-expectancy comparison
In salty-air-location

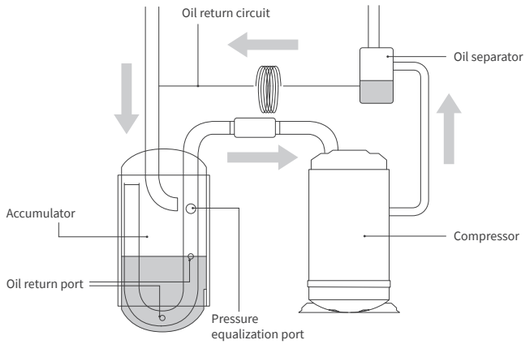


*Considered JRA9002: Criteria and Testing of Corrosion-proof for Refrigeration and Air Conditioning Equipment against Salty Air
*Please consult Hitachi distributors for more details
*Both "Anti-corrosive treatment" and "Heavy anti-corrosive treatment" are by custom order

OIL RETURN CONTROL

Oil return control is very important to keep the reliability of scroll compressor. But it is likely to cause you an uncomfortable situation by keeping you from comfortable air. Our patented oil return control not only consumes less energy & procures much less noise in the surrounding environment, but also it lasts only short periods, so, you can stay comfortable continuously.

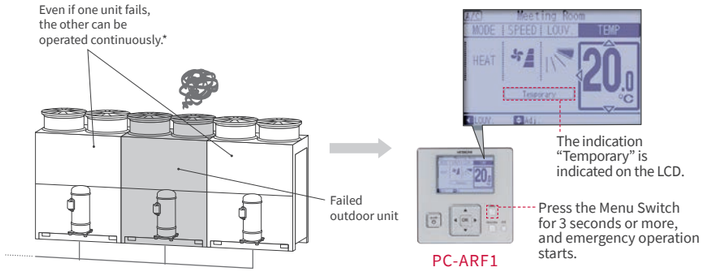
- Oil return control recovers the refrigerant oil running into the piping in the customer space to the outdoor units side forcibly.
- Oil return operation activates for only 60 seconds (in cooling mode) or 120 seconds (in heating mode), when compressor rotation keeps running in lower status.
- During oil return operation, indoor units can continue to operate normally



SYSTEM FAILURE PREVENTION

In case of a combination unit

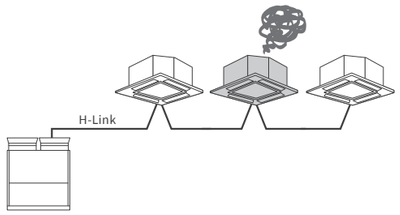
- The Backup Operation Function prevents the system from coming to a complete stop when outdoor unit failure occurs
- If one outdoor unit should fail, the system can continue to operate using the remaining outdoor units
- An alarm is triggered and emergency operation can be activated via an individual 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.

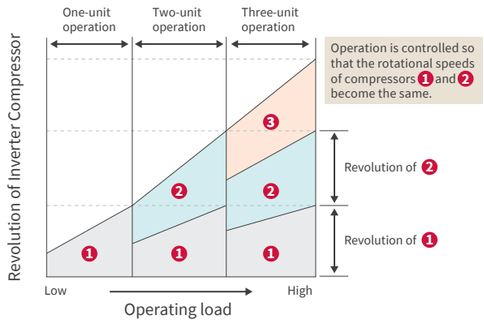


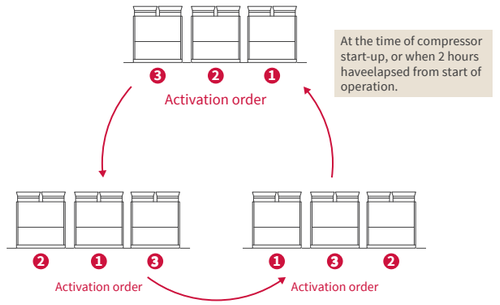
Notes:
*1 System will continue running when one indoor unit is powered off, but it may be shut down due to system protection depending on the operation conditions.
*2 Please restore the indoor unit power as soon as possible, continue to turn off indoor may significantly affect system reliability.

ROTATIONAL OPERATION*1 TO DISTRIBUTE LOAD OF OUTDOOR UNITS

Regulating the operation time of each outdoor unit leads to load reduction on compressors.*2
During multiple unit operation, maintaining the same rotation frequency of the compressors results in an equivalent load on each compressor, thereby helping enhance outdoor unit durability.

Compressor Rotation Frequency Control (Example)





Notes:
*1 At least 2 outdoor units are required for this function.
*2 Comparison between the rotation operation function and non-rotation operation function based on the same system.

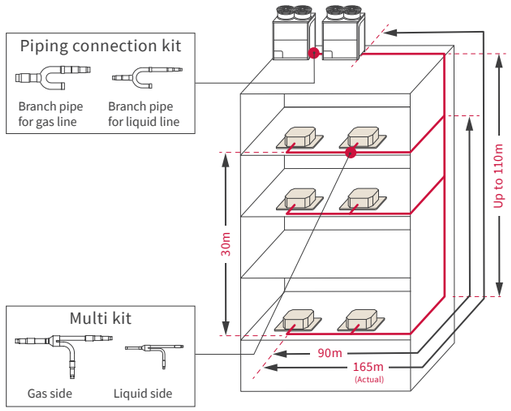
DESIGN FLEXIBILITY

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 Optional: 110m
	Between IDUs		30m



WIDER EXTERNAL STATIC PRESSURE

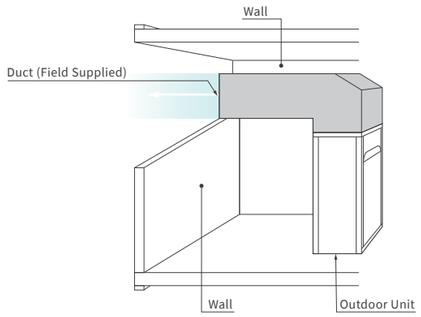
Designed to be located internally and can operate under 4 ESP settings, up to 80Pa, with multiple options for improved energy savings

Shorter required piping lengths provide greater design flexibility and may also reduce installation costs

New Model 4 Options available

0Pa | 30Pa | 60Pa | 80Pa

* Please refer to the technical catalogue for more details.

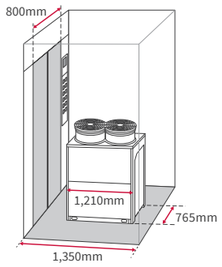


EASY TRANSPORTATION

Smaller

Can be transported in an elevator
FSNS: 18HP class(50.0kW)

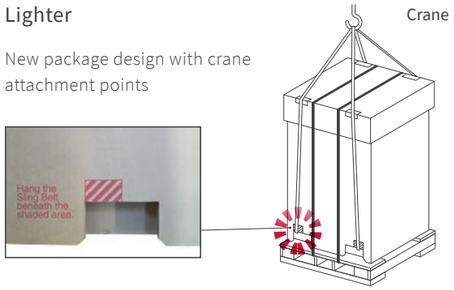
Lift



Lighter

New package design with crane attachment points

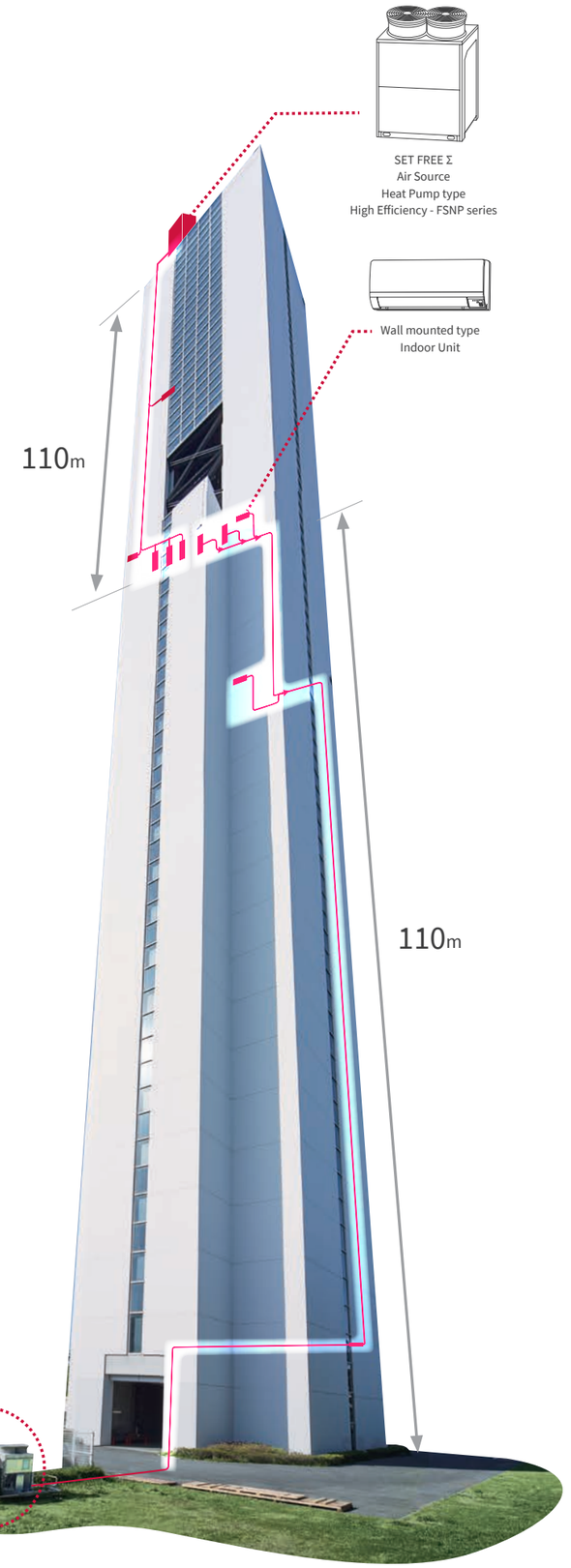
Crane



DEDICATED TO HIGH PERFORMANCE AND RELIABILITY

Hitachi's G1TOWER was completed in 2010. One of the world's highest elevator research towers, it's the setting for tests on high-performance, reliable elevators that fit the needs of increasingly high-rise, large-scale buildings inside and outside of Japan.

We also use this tower to test our actual products in line with these trends to evaluate their performance and reliability.



Supported by
Name: G1TOWER
Address: 1070 Ichige, Hitachinaka-shi, Ibaraki Prefecture (in Mito Works)
Land area: 388m²
Building size: 213.5m above ground, 15m below ground
Floors: Nine above ground, one below ground
Owner: Building Systems Business Unit; Hitachi, Ltd.
http://www.hitachi.com/businesses/elevator/about_us/g1tower/

SPECIFICATIONS

High efficiency model: FSNP series

HP class				5	6	8	10	12	14
Model				RAS-5FSNP	RAS-6FSNP	RAS-8FSNP	RAS-10FSNP	RAS-12FSNP	RAS-14FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	14.0	16.0	22.4	28.0	33.5	40.0
Nominal Heating Capacity			kW	16.0	18.0	25.0	31.5	37.5	45.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×950×765	1,675×950×765	1,675×1,210×765	1,675×1,210×765	1,675×1,210×765	1,675×1,210×765
Sound Level	Sound Power Level		dB(A)	75	78	77	82	83	85
	Sound Pressure Level		dB(A)	54	56	55	59	60	62
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	190	190	255	259	260	270
		220V/60Hz	kg	185	185	250	254	255	265
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	206	206	273	277	278	288
		220V/60Hz	kg	201	201	268	272	273	283
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	4.7	5.0	8.5	8.5	9.3	9.3
Compressor	Type			Hermetic (Scroll)					
	Model			AA50PHD	AA50PHD	AA50PHD	DB65PHD	DC80PHD	DC80PHD
	Quantity			1	1	1	1	1	1
	Motor Output (Pole)		kW	1.9(6)	2.1(6)	3.1(6)	3.8(6)	5.1(6)	6.4(6)
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	6.0	6.0	6.0	6.0	6.0	6.9
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			1	1	2	2	2	2
	Air Flow Rate		m^3/min.	150	170	185	219	219	243
	Motor Output (Pole)		kW	0.20(8)	0.28(8)	0.18(8)×2	0.26(8)×2	0.26(8)×2	0.34(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ9.52	ϕ9.52	ϕ9.52	ϕ9.52	ϕ12.7	ϕ12.7
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ15.88	ϕ19.05	ϕ19.05	ϕ22.2	ϕ25.4	ϕ25.4
Package	Dimensions	H×W×D	mm	1,800×1,030×810	1,800×1,030×810	1,800×1,290×810	1,800×1,290×810	1,800×1,290×810	1,800×1,290+810
	Measurement		m^3	1 .5	1.5	1.9	1.9	1.9	1.9

Notes:
1. The cooling and heating performances are the values when combined with our specified indoor units.
   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
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

HP class				16	18	20	22	24
Model				RAS-16FSNP	RAS-18FSNP	RAS-20FSNP	RAS-22FSNP	RAS-24FSNP
Combination of Base Unit				- -	- -	RAS-10FSNP RAS-10FSNP	RAS-10FSNP RAS-12FSNP	RAS-12FSNP RAS-12FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]				
Nominal Cooling Capacity			kW	45.0	50.0	56.0	61.5	67.0
Nominal Heating Capacity			kW	50.0	56.0	63.0	69.0	77.5
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)				
	Outer Dimensions	H×W×D	mm	1,675×1,600×765	1,675×1,600×765	1,675×2,440×765	1,675×2,440×765	1,675×2,440×765
Sound Level	Sound Power Level		dB(A)	85	86	85	86	86
	Sound Pressure Level		dB(A)	65	65	62	62.5	63
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	345	360	259+259	259+260	260+260
		220V/60Hz	kg	340	355	254+254	254+255	255+255
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	365	380	277+277	277+278	278+278
		220V/60Hz	kg	360	375	272+272	272+273	273+273
Refrigerant	Type			R410A				
	Flow Control			Micro-Computer Control Expansion Valve				
	Charge (before Shipment)		kg	10.0	10.6	17.0	17.8	18.6
Compressor	Type			Hermetic (Scroll)				
	Model			AA50PHD+AA50PHD	DC80PHD+DC80PHD	DB65PHD+DB65PHD	DB65PHD+DC80PHD	DC80PHD+DC80PHD
	Quantity			2	2	2	2	2
	Motor Output (Pole)		kW	3.7(6)×2	4.4(6)×2	3.8(6)×2	3.8(6)×1+5.1(6)×1	5.1(6)×2
Refrigeration Oil	Type			FVC68D				
	Charge		L/Unit	7.9	7.9	12.0	12.0	12.0
Heat Exchanger				Multi-Pass Cross-Finned Tube				
Condenser Fan	Type			Propeller Fan				
	Quantity			2	2	4	4	4
	Air Flow Rate		m^3/min.	326	362	219×2	219×2	219×2
	Motor Output (Pole)		kW	0.47(8)×2	0.62(8)×2	0.26(8)×+0.26(8)×2	0.26(8)×2+0.26(8)×2	0.26(8)×2+0.26(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ12.7	ϕ15.88	ϕ15.88	ϕ15.88	ϕ15.88
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ28.58	ϕ28.58	ϕ28.58	ϕ28.58	ϕ28.58
Package	Dimensions	H×W×D	mm	1,800×1,680×810	1,800×1,680×810	-	-	-
	Measurement		m^3	2.4	2.4	-	-	-

Notes:
1. The cooling and heating performances are the values when combined with our specified indoor units.
   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 (RAS-16~18FSNP), 10.0 metre (RAS-20~24FSNP)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 7.5 metre (RAS-16~18FSNP), 10.0 metre (RAS-20~24FSNP)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

High efficiency model: FSNP series

HP class				26	28	30	32	34	36
Model				RAS-26FSNP	RAS-28FSNP	RAS-30FSNP	RAS-32FSNP	RAS-34FSNP	RAS-36FSNP
Combination of Base Unit				RAS-10FSNP RAS-16FSNP	RAS-12FSNP RAS-16FSNP	RAS-12FSNP RAS-18FSNP	RAS-14FSNP RAS-18FSNP	RAS-16FSNP RAS-18FSNP	RAS-18FSNP RAS-18FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	73.0	77.5	85.0	90.0	95.0	100.0
Nominal Heating Capacity			kW	82.5	90.0	95.0	100.0	106.0	112.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×2,830×765	1,675×2,830×765	1,675×2,830×765	1,675×2,830×765	1,675×3,220×765	1,675×3,220×765
Sound Level	Sound Power Level		dB(A)	87	87	88	89	89	89
	Sound Pressure Level		dB(A)	66	66	66	67	68	68
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	259+345	260+345	260+360	270+360	345+360	360+380
		220V/60Hz	kg	254+340	255+340	255+355	265+355	340+355	355+355
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	277+365	278+365	278+380	288+380	365+380	380+380
		220V/60Hz	kg	272+360	273+360	273+375	283+375	360+375	375+375
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	18.5	19.3	19.9	19.9	20.6	21.2
Compressor	Type			Hermetic (Scroll)					
	Model			DB65PHD+AA50PHD +AA50PHD	DC80PHD+AA50PHD +AA50PHD	DC80PHD+DC80PHD +DC80PHD	DC80PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			3	3	3	3	4	4
	Motor Output (Pole)		kW	3.8(6)×1+3.7(6)×2	5.1(6)×1+3.7(6)×2	5.1(6)×1+4.4(6)×2	6.4(6)×1+4.4(6)×2	3.7(6)×2+4.4(6)×2	4.4(6)×2+4.4(6)×2
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	13.9	13.9	13.9	14.8	15.8	15.8
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			4	4	4	4	4	4
	Air Flow Rate		m^3/min.	219+326	219+326	219+362	243+362	326+362	362x2
	Motor Output (Pole)		kW	0.26(8)×2 +0.47(8)×2	0.26(8)×2 +0.47(8)×2	0.26(8)×2 +0.62(8)×2	0.34(8)×2 +0.62(2)×2	0.47(2)×2 +0.62(2)×2	0.62(8)×2 +0.62(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ31.75	ϕ31.75	ϕ31.75	ϕ31.75	ϕ31.75	ϕ38.1

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 10.0 metre (RAS-26~30FSNP), 12.5 metre (RAS-32~36FSNP)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 10.0 metre (RAS-26~30FSNP), 12.5 metre (RAS-32~36FSNP)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

HP class				38	40	42	44	46
Model				RAS-38FSNP	RAS-40FSNP	RAS-42FSNP	RAS-44FSNP	RAS-46FSNP
Combination of Base Unit				RAS-12FSNP RAS-12FSNP RAS-14FSNP	RAS-12FSNP RAS-14FSNP RAS-14FSNP	RAS-14FSNP RAS-14FSNP RAS-14FSNP	RAS-12FSNP RAS-14FSNP RAS-18FSNP	RAS-14FSNP RAS-14FSNP RAS-18FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]				
Nominal Cooling Capacity			kW	106.0	112.0	118.0	122.0	128.0
Nominal Heating Capacity			kW	118.0	125.0	132.0	140.0	145.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)				
	Outer Dimensions	H×W×D	mm	1,675×3,670×765	1,675×3,670×765	1,675×3,670×765	1,675×4,060×765	1,675×4,060×765
Sound Level	Sound Power Level		dB(A)	89	89	90	90	90
	Sound Pressure Level		dB(A)	65.5	66	67	67.5	68
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	260+260+270	260+270+270	270+270+270	260+270+360	270+270+360
		220V/60Hz	kg	255+255+265	255+265+265	265+265+265	255+265+355	265+265+355
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	278+278+288	278+288+288	288+288+288	278+288+380	288+288+380
		220V/60Hz	kg	273+273+283	273+283+283	283+283+283	273+283+375	283+283+375
Refrigerant	Type			R410A				
	Flow Control			Micro-Computer Control Expansion Valve				
	Charge (before Shipment)		kg	27.9	27.9	27.9	29.2	30.5
Compressor	Type			Hermetic (Scroll)				
	Model			DC80PHD+DC80PHD +DC80PHD	DC80PHD+DC80PHD +DC80PHD	DC80PHD+DC80PHD +DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			3	3	3	4	4
	Motor Output (Pole)		kW	5.1(6)×2+6.4(6)×1	5.1(6)×1+6.4(6)×2	6.4(6)×3	5.1(6)×1+6.4(6)×1 +4.4(6)×2	6.4(6)×1+6.4(6)×1 +4.4(6)×2
Refrigeration Oil	Type			FVC68D				
	Charge		L/Unit	18.9	19.8	20.7	20.8	21.7
Heat Exchanger				Multi-Pass Cross-Finned Tube				
Condenser Fan	Type			Propeller Fan				
	Quantity			6	6	6	6	6
	Air Flow Rate		m^3/min.	219×2+243	219+243×2	243×3	219+243+362	243×2+362
	Motor Output (Pole)		kW	0.26(8)×2+0.26(8)×2 +0.34(8)×2	0.26(8)×2+0.34(8)×2 +0.34(8)×2	0.34(8)×2+0.34(8)×2 +0.34(8)×2	0.26(8)×2+0.34(8)×2 +0.62(8)×2	0.34(8)×2+0.34(8)×2 +0.62(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ38.1	ϕ38.1	ϕ38.1	ϕ38.1	ϕ38.1

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 12.5 metre (RAS-38~44FSNP), 15.0 metre (RAS-46FSNP)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 12.5 metre (RAS-38~44FSNP), 15.0 metre (RAS-46FSNP)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

High efficiency model: FSNP series

HP class				48	50	52	54
Model				RAS-48FSNP	RAS-50FSNP	RAS-52FSNP	RAS-54FSNP
Combination of Base Unit				RAS-12FSNP RAS-18FSNP RAS-18FSNP	RAS-14FSNP RAS-18FSNP RAS-18FSNP	RAS-16FSNP RAS-18FSNP RAS-18FSNP	RAS-18FSNP RAS-18FSNP RAS-18FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]			
Nominal Cooling Capacity			kW	136.0	140.0	145.0	150.0
Nominal Heating Capacity			kW	150.0	155.0	160.0	165.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)			
	Outer Dimensions	H×W×D	mm	1,675×4,450×765	1,675×4,450×765	1,675×4,840×765	1,675×4,840×765
Sound Level	Sound Power Level		dB(A)	90	90	90	91
	Sound Pressure Level		dB(A)	68.5	69	70	70
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	260+360+360	270+360+360	345+360+360	360+360+360
		220V/60Hz	kg	255+355+355	265+355+355	340+355+355	355+355+355
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	278+380+380	288+380+380	365+380+380	380+380+380
		220V/60Hz	kg	273+375+375	283+375+375	360+375+375	375+375+375
Refrigerant	Type			R410A			
	Flow Control			Micro-Computer Control Expansion Valve			
	Charge (before Shipment)		kg	30.5	30.5	31.2	31.8
Compressor	Type			Hermetic (Scroll)			
	Model			DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			5	5	6	6
	Motor Output (Pole)		kW	5.1(6)×1+4.4(6)×2+4.4(6)×2	6.4(6)×1+4.4(6)×2+4.4(6)×2	3.7(6)×2+4.4(6)×2+4.4(6)×2	4.4(6)×2+4.4(6)×2+4.4(6)×2
Refrigeration Oil	Type			FVC68D			
	Charge		L/Unit	21.8	22.7	23.7	23.7
Heat Exchanger				Multi-Pass Cross-Finned Tube			
Condenser Fan	Type			Propeller Fan			
	Quantity			6	6	6	6
	Air Flow Rate		m^3/min.	219+362×2	243+362×2	326+362×2	362×3
	Motor Output (Pole)		kW	0.26(8)×2+0.62(8)×2 +0.62(8)×2	0.34(8)×2+0.62(8)×2 +0.62(8)×2	0.47(8)×2+0.62(8)×2 +0.62(8)×2	0.62(8)×2+0.62(8)×2 +0.62(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ38.1	ϕ38.1	ϕ38.1	ϕ38.1

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 15.0 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 15.0 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

HP class				56	58
Model				RAS-56FSNP	RAS-58FSNP
Combination of Base Unit				RAS-12FSNP RAS-12FSNP RAS-14FSNP RAS-18FSNP	RAS-12FSNP RAS-14FSNP RAS-14FSNP RAS-18FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]	
Nominal Cooling Capacity			kW	157.0	162.0
Nominal Heating Capacity			kW	176.0	181.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)	
	Outer Dimensions	H×W×D	mm	1,675×5,290×765	1,675×5,290×765
Sound Level	Sound Power Level		dB(A)	90	91
	Sound Pressure Level		dB(A)	68.5	68.5
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	260+260+270+360	260+270+270+360
		220V/60Hz	kg	255+255+265+355	255+265+265+355
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	278+278+288+380	278+288+288+380
		220V/60Hz	kg	273+273+283+375	273+283+283+375
Refrigerant	Type			R410A	
	Flow Control			Micro-Computer Control Expansion Valve	
	Charge (before Shipment)		kg	38.5	38.5
Compressor	Type			Hermetic (Scroll)	
	Model			DC80PHD+DC80PHD+DC80PHD+DC80PHD+DC80PHD+DC80PHD	DC80PHD+DC80PHD+DC80PHD+DC80PHD+DC80PHD+DC80PHD
	Quantity			5	5
	Motor Output (Pole)		kW	5.1(6)×2+6.4(6)+4.4(6)×2	5.1(6)+6.4(6)×2+4.4(6)×2
Refrigeration Oil	Type			FVC68D	
	Charge		L/Unit	26.8	27.7
Heat Exchanger				Multi-Pass Cross-Finned Tube	
Condenser Fan	Type			Propeller Fan	
	Quantity			8	8
	Air Flow Rate		m^3/min.	219×2+243×2+362	219+243×2+362
	Motor Output (Pole)		kW	(0.26(8)×2)×2+0.34(8)×2+0.62(8)×2	0.26(8)×2+(0.34(8)×2)×2+0.62(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ44.45	ϕ44.45

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 15.0 metre (RAS-56FSNP), 17.5 metre (RAS-58FSNP)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 15.0 metre (RAS-56FSNP), 17.5 metre (RAS-58FSNP)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

High efficiency model: FSNP series

HP class				60	62
Model				RAS-60FSNP	RAS-62FSNP
Combination of Base Unit				RAS-14FSNP RAS-14FSNP RAS-16FSNP RAS-16FSNP	RAS-14FSNP RAS-16FSNP RAS-16FSNP RAS-16FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]	
Nominal Cooling Capacity			kW	167.0	174.0
Nominal Heating Capacity			kW	188.0	196.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)	
	Outer Dimensions	H×W×D	mm	1,675×5,680×765	1,675×6,070×765
Sound Level	Sound Power Level		dB(A)	91	91
	Sound Pressure Level		dB(A)	70	70.5
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	270+270+345+345	270+345+345+345
		220V/60Hz	kg	265+265+340+340	265+340+340+340
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	288+288+365+365	288+365+365+365
		220V/60Hz	kg	283+283+360+360	283+360+360+360
Refrigerant	Type			R410A	
	Flow Control			Micro-Computer Control Expansion Valve	
	Charge (before Shipment)		kg	38.6	39.3
Compressor	Type			Hermetic (Scroll)	
	Model			DC80PHD+DC80PHD+AA50PHD+AA50PHD +AA50PHD+AA50PHD	DC80PHD+AA50PHD+AA50PHD+AA50PHD+AA50PHD +AA50PHD+AA50PHD
	Quantity			6	7
	Motor Output (Pole)		kW	6.4(6)×2+(3.7(6)×2)×2	6.4(6)+(3.7(6)×2)×3
Refrigeration Oil	Type			FVC68D	
	Charge		L/Unit	29.6	30.6
Heat Exchanger				Multi-Pass Cross-Finned Tube	
Condenser Fan	Type			Propeller Fan	
	Quantity			8	8
	Air Flow Rate		m^3/min.	243×2+326×2	243+326×3
	Motor Output (Pole)		kW	(0.34(8)×2)×2+(0.47(8)×2)×2	0.34(8)×2+(0.47(8)×2)×3
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ44.45	ϕ44.45

Notes:
1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 17.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   Piping Length: 17.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

HP class				64	66	68	70	72
Model				RAS-64FSNP	RAS-66FSNP	RAS-68FSNP	RAS-70FSNP	RAS-72FSNP
Combination of Base Unit				RAS-16FSNP RAS-16FSNP RAS-16FSNP RAS-16FSNP	RAS-16FSNP RAS-16FSNP RAS-16FSNP RAS-18FSNP	RAS-16FSNP RAS-16FSNP RAS-16FSNP RAS-18FSNP	RAS-16FSNP RAS-18FSNP RAS-18FSNP RAS-18FSNP	RAS-18FSNP RAS-18FSNP RAS-18FSNP RAS-18FSNP
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]				
Nominal Cooling Capacity			kW	179.0	184.0	190.0	196.0	201.0
Nominal Heating Capacity			kW	202.0	207.0	213.0	220.0	225.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)				
	Outer Dimensions	H×W×D	mm	1,675×6,460×765	1,675×6,460×765	1,675×6,460×765	1,675×6,460×765	1,675×6,460×765
Sound Level	Sound Power Level		dB(A)	91	91	92	91	92
	Sound Pressure Level		dB(A)	71	71	71	71	71
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	345+345+345+345	345+345+345+360	345+345+360+360	345+360+360+360	360+360+360+360
		220V/60Hz	kg	340+340+340+340	340+340+340+355	340+340+355+355	340+355+355+355	355+355+355+355
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	365+365+365+365	365+365+365+380	365+365+380+380	365+380+380+380	380+380+380+380
		220V/60Hz	kg	360+360+360+360	360+360+360+375	360+360+375+375	360+375+375+375	375+375+375+375
Refrigerant	Type			R410A				
	Flow Control			Micro-Computer Control Expansion Valve				
	Charge (before Shipment)		kg	40.0	40.6	41.2	41.8	42.4
Compressor	Type			Hermetic (Scroll)				
	Model			AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			8	8	8	8	8
	Motor Output (Pole)		kW	(3.7(6)×2)×4	(3.7(6)×2)×3 +4.4(6)×2	(3.7(6)×2)×2 +(4.4(6)×2)×2	3.7(6)×2 +(4.4(6)×2)×3	(4.4(6)×2)×4
Refrigeration Oil	Type			FVC68D				
	Charge		L/Unit	31.6	31.6	31.6	31.6	31.6
Heat Exchanger				Multi-Pass Cross-Finned Tube				
Condenser Fan	Type			Propeller Fan				
	Quantity			8	8	8	8	8
	Air Flow Rate		m^3/min.	326×4	326×3+362	326×2+362×2	326+362×3	362×4
	Motor Output (Pole)		kW	(0.47(8)×2)×4	(0.47(8)×2)×3 +0.62(8)×2	(0.47(8)×2)×2 +(0.62(8)×2)×2	0.47(8)×2 +(0.62(8)×2)×3	(0.62(8)×2)×4
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ22.2	ϕ22.2	ϕ22.2
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45

Notes:
1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 17.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   Piping Length: 17.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (20~72HP class 56.0~201.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

Standard model: FSNS series

HP class				8	10	12	14	16	18
Model				RAS-8FSNS	RAS-10FSNS	RAS-12FSNS	RAS-14FSNS	RAS-16FSNS	RAS-18FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	22.4	28.0	33.5	40.0	45.0	50.0
Nominal Heating Capacity			kW	25.0	31.5	37.5	45.0	50.0	56.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×950×765	1,675×950×765	1,675×950×765	1,675×1,210×765	1,675×1,210×765	1,675×1,210×765
Sound Level	Sound Power Level		dB(A)	80	82	82	85	85	86
	Sound Pressure Level		dB(A)	58	60	59	63	63	65
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	190	190	210	268	310	311
		220V/60Hz	kg	185	185	205	263	305	306
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	206	206	226	286	328	329
		220V/60Hz	kg	201	201	221	281	323	324
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	5.0	5.0	7.2	8.9	9.9	10.7
Compressor	Type			Hermetic (Scroll)					
	Model			AA50PHD	AA50PHD	DC80PHD	DC80PHD	AA50PHD +AA50PHD	AA50PHD +AA50PHD
	Quantity			1	1	1	1	2	2
	Motor Output (Pole)		kW	3.3(6)	4.3(6)	5.4(6)	8.0(6)	4.5(6)×2	5.0(6)×2
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	6.0	6.0	6.0	6.9	7.9	7.9
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			1	1	1	2	2	2
	Air Flow Rate		m^3/min.	165	170	190	239	256	256
	Motor Output (Pole)		kW	0.26(8)	0.28(8)	0.42(8)	0.33(8)×2	0.39(8)×2	0.39(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ9.52	ϕ9.52	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.88
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ19.05	ϕ22.2	ϕ25.4	ϕ25.4	ϕ28.58	ϕ28.58
Package	Dimensions	H×W×D	mm	1,800×1,030×810	1,800×1,030×810	1,800×1,030×810	1,800×1,290×810	1,800×1,290×810	1,800×1,290×810
	Measurement		m^3	1.5	1.5	1.5	1.9	1.9	1.9

Notes:
1. The cooling and heating performances are the values when combined with our specified indoor units.
   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
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

HP class				20	22	24
Model				RAS-20FSNS	RAS-22FSNS	RAS-24FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]		
Nominal Cooling Capacity			kW	56.0	61.5	67.0
Nominal Heating Capacity			kW	63.0	69.0	77.5
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)		
	Outer Dimensions	H×W×D	mm	1,675×1,600×765	1,675×1,600×765	1,675×1,600×765
Sound Level	Sound Power Level		dB(A)	86	84	86
	Sound Pressure Level		dB(A)	65	64	66
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	350	364	365
		220V/60Hz	kg	345	359	360
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	370	384	385
		220V/60Hz	kg	365	379	380
Refrigerant	Type			R410A		
	Flow Control			Micro-Computer Control Expansion Valve		
	Charge (before Shipment)		kg	11.3	11.3	11.6
Compressor	Type			Hermetic (Scroll)		
	Model			AA50PHD+AA50PHD	DC80PHD+DC80PHD	DC80PHD+DC80PHD
	Quantity			2	2	2
	Motor Output (Pole)		kW	5.5(6)×2	6.7(6)×2	7.1(6)×2
Refrigeration Oil	Type			FVC68D		
	Charge		L/Unit	8.4	8.4	8.4
Heat Exchanger				Multi-Pass Cross-Finned Tube		
Condenser Fan	Type			Propeller Fan		
	Quantity			2	2	2
	Air Flow Rate		m^3/min.	329	329	348
	Motor Output (Pole)		kW	0.48(8)×2	0.48(8)×2	0.56(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ15.88	ϕ15.88	ϕ15.88
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ28.58	ϕ28.58	ϕ28.58
Package	Dimensions	H×W×D	mm	1,800×1,680×810	1,800×1,680×810	1,800×1,680×810
	Measurement		m^3	2.4	2.4	2.4

Notes:
1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 10.0 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 10.0 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

Standard model: FSNS series


HP class				26	28	30	32	34	36
Model				RAS-26FSNS	RAS-28FSNS	RAS-30FSNS	RAS-32FSNS	RAS-34FSNS	RAS-36FSNS
Combination of Base Unit				RAS-12FSNS RAS-14FSNS	RAS-16FSNS RAS-12FSNS	RAS-12FSNS RAS-18FSNS	RAS-14FSNS RAS-18FSNS	RAS-16FSNS RAS-18FSNS	RAS-18FSNS RAS-18FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	73.0	77.5	85.0	90.0	95.0	100.0
Nominal Heating Capacity			kW	82.5	90.0	95.0	100.0	106.0	112.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×2,180×765	1,675×2,180×765	1,675×2,180×765	1,675×2,440×765	1,675×2,440×765	1,675×2,440×765
Sound Level	Sound Power Level		dB(A)	87	87	87	89	89	89
	Sound Pressure Level		dB(A)	64.5	64.5	66	67	67	68
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	210+268	210+310	210+311	268+311	310+311	311+311
		220V/60Hz	kg	205+263	205+305	205+306	263+306	305+306	306+306
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	226+286	226+328	226+329	286+329	328+329	329+329
		220V/60Hz	kg	221+281	221+323	221+324	281+324	323+324	324+324
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	16.1	17.1	17.9	19.6	20.6	21.4
Compressor	Type			Hermetic (Scroll)					
	Model			DC80PHD+DC80PHD	DC80PHD+AA50PHD +AA50PHD	DC80PHD+AA50PHD +AA50PHD	DC80PHD+AA50PHD +AA50PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD
	Quantity			2	3	3	3	4	4
	Motor Output (Pole)		kW	5.4(6)×1+8.0(6)×1	5.4(6)×1+4.5(6)×2	5.4(6)×1+5.0(6)×2	8.0(6)×1+5.0(6)×2	4.5(6)×2+5.0(6)×2	5.0(6)×2+5.0(6)×2
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	12.9	13.9	13.9	14.8	15.8	15.8
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			3	3	3	4	4	4
	Air Flow Rate		m^3/min.	190+239	190+256	190+256	239+256	256×2	256×2
	Motor Output (Pole)		kW	0.42(8) +0.33(8)×2	0.42(8) +0.39(8)×2	0.42(8) +0.39(8)×2	0.33(8)×2 +0.39(8)×2	0.39(8)×2 +0.39(8)×2	0.39(8)×2 +0.39(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ31.75	ϕ31.75	ϕ31.75	ϕ31.75	ϕ31.75	ϕ38.1

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 10.0 metre (RAS-26~30FSNS), 12.5 metre (RAS-32~36FSNS)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   Piping Length: 10.0 metre (RAS-26~30FSNS), 12.5 metre (RAS-32~36FSNS)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (26~96HP class 73.0~268.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.


HP class				38	40	42	44	46	48
Model				RAS-38FSNS	RAS-40FSNS	RAS-42FSNS	RAS-44FSNS	RAS-46FSNS	RAS-48FSNS
Combination of Base Unit				RAS-14FSNS RAS-24FSNS	RAS-18FSNS RAS-22FSNS	RAS-18FSNS RAS-24FSNS	RAS-22FSNS RAS-22FSNS	RAS-22FSNS RAS-24FSNS	RAS-24FSNS RAS-24FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	106.0	112.0	118.0	122.0	128.0	136.0
Nominal Heating Capacity			kW	118.0	125.0	132.0	140.0	145.0	150.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×2,830×765	1,675×2,830×765	1,675×2,830×765	1,675×3,220×765	1,675×3,220×765	1,675×3,220×765
Sound Level	Sound Power Level		dB(A)	89	88	89	87	88	89
	Sound Pressure Level		dB(A)	68	67.5	68.5	67	68	69
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	268+365	311+364	311+365	364+364	364+365	365+365
		220V/60Hz	kg	263+360	306+359	306+360	359+359	359+360	360+360
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	286+385	329+384	329+385	384+384	384+385	385+385
		220V/60Hz	kg	281+380	324+379	324+380	379+379	379+380	380+380
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	20.5	22.0	22.3	22.6	22.9	23.2
Compressor	Type			Hermetic (Scroll)					
	Model			DC80PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			3	4	4	4	4	4
	Motor Output (Pole)		kW	8.0(6)×1+7.1(6)×2	5.0(6)×2+6.7(6)×2	5.0(6)×2+7.1(6)×2	6.7(6)×2+6.7(6)×2	6.7(6)×2+7.1(6)×2	7.1(6)×2+7.1(6)×2
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	15.3	16.3	16.3	16.8	16.8	16.8
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			4	4	4	4	4	4
	Air Flow Rate		m^3/min.	239+348	256+329	256+348	329×2	329+348	348×2
	Motor Output (Pole)		kW	0.33(8)×2 +0.56(8)×2	0.39(8)×2 +0.48(8)×2	0.39(8)×2 +0.56(8)×2	0.48(8)×2 +0.48(8)×2	0.48(8)×2 +0.56(8)×2	0.56(8)×2 +0.56(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ38.1	ϕ38.1	ϕ38.1	ϕ38.1	ϕ38.1	ϕ38.1

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 12.5 metre (RAS-38~44FSNS), 15.0 metre (RAS-46~48FSNS)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   Piping Length: 12.5 metre (RAS-38~44FSNS), 15.0 metre (RAS-46~48FSNS)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (26~96HP class 73.0~268.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

Standard model: FSNS series

HP class				50	52	54	56	58	60
Model				RAS-50FSNS	RAS-52FSNS	RAS-54FSNS	RAS-56FSNS	RAS-58FSNS	RAS-60FSNS
Combination of Base Unit				RAS-14FSNS RAS-18FSNS RAS-18FSNS	RAS-16FSNS RAS-18FSNS RAS-18FSNS	RAS-18FSNS RAS-18FSNS RAS-18FSNS	RAS-14FSNS RAS-18FSNS RAS-24FSNS	RAS-18FSNS RAS-18FSNS RAS-22FSNS	RAS-18FSNS RAS-18FSNS RAS-24FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	140.0	145.0	150.0	157.0	162.0	167.0
Nominal Heating Capacity			kW	155.0	160.0	165.0	176.0	181.0	188.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×3,670×765	1,675×3,670×765	1,675×3,670×765	1,675×4,060×765	1,675×4,060×765	1,675×4,060×765
Sound Level	Sound Power Level		dB(A)	90	90	91	90	90	91
	Sound Pressure Level		dB(A)	69	69	70	69.5	69.5	70
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	268+311+311	310+311+311	311+311+311	268+311+365	311+311+364	311+311+365
		220V/60Hz	kg	263+306+306	305+306+306	306+306+306	263+306+360	306+306+359	306+306+360
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	286+329+329	328+329+329	329+329+329	286+329+385	329+329+384	329+329+385
		220V/60Hz	kg	281+324+324	323+324+324	324+324+324	281+324+380	324+324+379	324+324+380
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	30.3	31.3	32.1	31.2	32.7	33.0
Compressor	Type			Hermetic (Scroll)					
	Model			DC80PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD	DC80PHD+AA50PHD +AA50PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD
	Quantity			5	6	6	5	6	6
	Motor Output (Pole)		kW	8.0(6)×1+5.0(6)×2 +5.0(6)×2	4.5(6)×2+5.0(6)×2 +5.0(6)×2	5.0(6)×2+5.0(6)×2 +5.0(6)×2	8.0(6)+5.0(6)×2 +7.1(6)×2	(5.0(6)×2)×2 +6.7(6)×2	(5.0(6)×2)×2 +7.1(6)×2
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	22.7	23.7	23.7	23.2	24.2	24.2
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			6	6	6	6	6	6
	Air Flow Rate		m^3/min.	239+256×2	256×3	256×3	239+256+348	256+256+329	256+256+348
	Motor Output (Pole)		kW	0.33(8)×2+0.39(8)×2 +0.39(8)×2	0.39(8)×2+0.39(8)×2 +0.39(8)×2	0.39(8)×2+0.39(8)×2 +0.39(8)×2	0.33(8)×2+0.39(8)×2 +0.56(8)×2	(0.39(8)×2)×2 +0.48(8)×2	(0.39(8)×2)×2 +0.56(8)×2
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05	ϕ19.05
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ38.1	ϕ38.1	ϕ38.1	ϕ44.45	ϕ44.45	ϕ44.45

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 15.0 metre (RAS-50~56FSNS), 17.5 metre (RAS-58~60FSNS)
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 15.0 metre (RAS-50~56FSNS), 17.5 metre (RAS-58~60FSNS)
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (26~96HP class 73.0~268.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

HP class				62	64	66	68	70	72
Model				RAS-62FSNS	RAS-64FSNS	RAS-66FSNS	RAS-68FSNS	RAS-70FSNS	RAS-72FSNS
Combination of Base Unit				RAS-14FSNS RAS-24FSNS RAS-24FSNS	RAS-18FSNS RAS-22FSNS RAS-24FSNS	RAS-18FSNS RAS-24FSNS RAS-24FSNS	RAS-22FSNS RAS-22FSNS RAS-24FSNS	RAS-22FSNS RAS-24FSNS RAS-24FSNS	RAS-24FSNS RAS-24FSNS RAS-24FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	174.0	179.0	184.0	190.0	196.0	201.0
Nominal Heating Capacity			kW	196.0	202.0	207.0	213.0	220.0	225.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×4,450×765	1,675×4,450×765	1,675×4,450×765	1,675×4,840×765	1,675×4,840×765	1,675×4,840×765
Sound Level	Sound Power Level		dB(A)	90	90	91	90	90	91
	Sound Pressure Level		dB(A)	70	70	70.5	69.5	70	71
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	268+365+365	311+364+365	311+365+365	364+364+365	364+365+365	365+365+365
		220V/60Hz	kg	263+360+360	306+359+360	306+360+360	359+359+360	359+360+360	360+360+360
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	286+385+385	329+384+385	329+385+385	384+384+385	384+385+385	385+385+385
		220V/60Hz	kg	281+380+380	324+379+380	324+380+380	379+379+380	379+380+380	380+380+380
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	32.1	33.6	33.9	34.2	34.5	34.8
Compressor	Type			Hermetic (Scroll)					
	Model			DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			5	6	6	6	6	6
	Motor Output (Pole)		kW	8.0(6) +(7.1(6)×2)×2	5.0(6)×2+6.7(6)×2 +7.1(6)×2	5.0(6)×2 +(7.1(6)×2)×2	(6.7(6)×2)×2 +7.1(6)×2	6.7(6)×2 +(7.1(6)×2)×2	(7.1(6)×2)×3
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	23.7	24.7	24.7	25.2	25.2	25.2
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			6	6	6	6	6	6
	Air Flow Rate		m^3/min.	239+348+348	256+329+348	256+348+348	329+329+348	329+348×2	348×3
	Motor Output (Pole)		kW	0.33(8)×2 +(0.56(8)×2)×2	0.39(8)×2+0.48(8)×2 +0.56(8)×2	0.39(8)×2 +(0.56(8)×2)×2	(0.48(8)×2)×2 +0.56(8)×2	0.48(8)×2 +(0.56(8)×2)×2	(0.56(8)×2)×3
Main Refrigerant Piping	Liquid Line		mm	ϕ19.05	ϕ19.05	ϕ19.05	ϕ22.2	ϕ22.2	ϕ22.2
Heat Pump System (2 Pipes)	Gas Line		mm	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45	ϕ44.45

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 17.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   Piping Length: 17.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (26~96HP class 73.0~268.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

SPECIFICATIONS

Standard model: FSNS series

HP class				74	76	78	80	82	84
Model				RAS-74FSNS	RAS-76FSNS	RAS-78FSNS	RAS-80FSNS	RAS-82FSNS	RAS-84FSNS
Combination of Base Unit				RAS-14FSNS RAS-18FSNS RAS-18FSNS RAS-24FSNS	RAS-18FSNS RAS-18FSNS RAS-18FSNS RAS-22FSNS	RAS-18FSNS RAS-18FSNS RAS-18FSNS RAS-24FSNS	RAS-14FSNS RAS-18FSNS RAS-24FSNS RAS-24FSNS	RAS-16FSNS RAS-18FSNS RAS-24FSNS RAS-24FSNS	RAS-18FSNS RAS-18FSNS RAS-24FSNS RAS-24FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	207.0	212.0	217.0	224.0	230.0	234.0
Nominal Heating Capacity			kW	232.0	237.0	244.0	254.0	261.0	267.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×5,290×765	1,675×5,290×765	1,675×5,290×765	1,675×5,680×765	1,675×5,680×765	1,675×5,680×765
Sound Level	Sound Power Level		dB(A)	92	92	92	92	92	92
	Sound Pressure Level		dB(A)	71	71	71.5	71	71	71.5
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	268+311+311+365	311+311+311+364	311+311+311+365	268+311+365+365	310+311+365+365	311+311+365+365
		220V/60Hz	kg	263+306+306+360	306+306+306+359	306+306+306+360	263+306+360+360	305+306+360+360	306+306+360+360
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	286+329+329+385	329+329+329+384	329+329+329+385	286+329+385+385	328+329+385+385	329+329+385+385
		220V/60Hz	kg	281+324+324+380	324+324+324+379	324+324+324+380	281+324+380+380	323+324+380+380	324+324+380+380
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	41.9	43.4	43.7	42.8	43.8	44.6
Compressor	Type			Hermetic (Scroll)					
	Model			DC80PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD	DC80PHD+AA50PHD +AA50PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +AA50PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			7	8	8	7	8	8
	Motor Output (Pole)		kW	8.0(6)+(5.0(6)×2)×2 +7.1(6)×2	(5.0(6)×2)×3 +6.7(6)×2	(5.0(6)×2)×3 +7.1(6)×2	8.0(6)+5.0(6)×2 +(7.1(6)×2)×2	4.5(6)×2+5.0(6)×2 +(7.1(6)×2)×2	(5.0(6)×2)×2 +(7.1(6)×2)×2
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	31.1	32.1	32.1	31.6	32.6	32.6
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			8	8	8	8	8	8
	Air Flow Rate		m^3/min.	239+256×2+348	256×3+329	256×3+348	239+256+348×2	256+256+348×2	256 ×2+348×2
	Motor Output (Pole)		kW	0.33(8)×2+(0.39(8)×2)×2 +0.56(8)×2	(0.39(8)×2)×3 +0.48(8)×2	(0.39(8)×2)×3 +0.56(8)×2	0.33(8)×2+0.39(8)×2 +(0.56(8)×2)×2	0.39(8)×2+0.39(8)×2 +(0.56(8)×2)×2	(0.39(8)×2)×2 +(0.56(8)×2)×2
Main Refrigerant Piping Heat Pump System (2 Pipes)	Liquid Line		mm	ϕ22.2	ϕ22.2	ϕ22.2	ϕ22.2	ϕ22.2	ϕ22.2
	Gas Line		mm	ϕ50.8	ϕ50.8	ϕ50.8	ϕ50.8	ϕ50.8	ϕ50.8

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 20.0 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   Piping Length: 20.0 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (26~96HP class 73.0~268.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

HP class				86	88	90	92	94	96
Model				RAS-86FSNS	RAS-88FSNS	RAS-90FSNS	RAS-92FSNS	RAS-94FSNS	RAS-96FSNS
Combination of Base Unit				RAS-14FSNS RAS-24FSNS RAS-24FSNS RAS-24FSNS	RAS-16FSNS RAS-24FSNS RAS-24FSNS RAS-24FSNS	RAS-18FSNS RAS-24FSNS RAS-24FSNS RAS-24FSNS	RAS-22FSNS RAS-22FSNS RAS-24FSNS RAS-24FSNS	RAS-22FSNS RAS-24FSNS RAS-24FSNS RAS-24FSNS	RAS-24FSNS RAS-24FSNS RAS-24FSNS RAS-24FSNS
Power Supply				3~/N, [400V/50Hz] [380-415V/50Hz] [380V/60Hz] 3~[220V/60Hz]					
Nominal Cooling Capacity			kW	241.0	246.0	251.0	258.0	263.0	268.0
Nominal Heating Capacity			kW	275.0	282.0	287.0	293.0	299.0	305.0
Cabinet	Color	Munsell Code		Natural Gray (1.0Y 8.5/0.5)					
	Outer Dimensions	H×W×D	mm	1,675×6,070×765	1,675×6,070×765	1,675×6,070×765	1,675×6,460×765	1,675×6,460×765	1,675×6,460×765
Sound Level	Sound Power Level		dB(A)	92	92	92	92	92	92
	Sound Pressure Level		dB(A)	71.5	71.5	72	72	71.5	72
Weight	Net Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	268+365+365+365	310+365+365+365	311+365+365+365	364+364+365+365	364+365+365+365	365+365+365+365
		220V/60Hz	kg	263+360+360+360	305+360+360+360	306+360+360+360	359+359+360+360	359+360+360+360	360+360+360+360
	Gross Weight	400V/50Hz 380-415V/50Hz 380V/60Hz	kg	286+385+385+385	328+385+385+385	329+385+385+385	384+384+385+385	384+385+385+385	385+385+385+385
		220V/60Hz	kg	281+380+380+380	323+380+380+380	324+380+380+380	379+379+380+380	379+380+380+380	380+380+380+380
Refrigerant	Type			R410A					
	Flow Control			Micro-Computer Control Expansion Valve					
	Charge (before Shipment)		kg	43.7	44.7	45.5	45.8	46.1	46.4
Compressor	Type			Hermetic (Scroll)					
	Model			DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	AA50PHD+AA50PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD	DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD +DC80PHD+DC80PHD
	Quantity			7	8	8	8	8	8
	Motor Output (Pole)		kW	8.0(6) +(7.1(6)×2)×3	4.5(6)×2 +(7.1(6)×2)×3	5.0(6)×2 +(7.1(6)×2)×3	(6.7(6)×2)×2 +(7.1(6)×2)×2	6.7(6)×2 +(7.1(6)×2)×3	(7.1(6)×2)×4
Refrigeration Oil	Type			FVC68D					
	Charge		L/Unit	32.1	33.1	33.1	33.6	33.6	33.6
Heat Exchanger				Multi-Pass Cross-Finned Tube					
Condenser Fan	Type			Propeller Fan					
	Quantity			8	8	8	8	8	8
	Air Flow Rate		m^3/min.	239+348×3	256+348×3	256+348×3	329×2+348×2	329+348×3	348×4
	Motor Output (Pole)		kW	0.33(8)×2 +(0.56(8)×2)×3	0.39(8)×2 +(0.56(8)×2)×3	0.39(8)×2 +(0.56(8)×2)×3	(0.48(8)×2)×2 +(0.56(8)×2)×2	0.48(8)×2 +(0.56(8)×2)×3	(0.56(8)×2)×4
Main Refrigerant Piping Heat Pump System (2 Pipes)	Liquid Line		mm	ϕ22.2	ϕ22.2	ϕ25.4	ϕ25.4	ϕ25.4	ϕ25.4
	Gas Line		mm	ϕ50.8	ϕ50.8	ϕ50.8	ϕ50.8	ϕ50.8	ϕ50.8

Notes:

1. The cooling and heating performances are the values when combined with our specified indoor units.
   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: 22.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   Piping Length: 22.5 metre
   Piping Lift: 0 metre
2. The sound pressure is based on the following conditions.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table (26~96HP class 73.0~268.0kW), there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.

OPTIONAL PARTS FOR HEAT PUMP TYPE

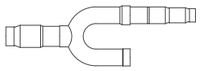
PIPING CONNECTION KIT

Piping connection kit for the divergence between outdoor units

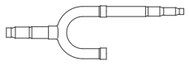
Model	Applicable ODU HP class		Connectivity Number	Remarks
	FSNP series	FSNS series		
MC-NP20SA1	20-24	–	2	for Gas: 1 for Liquid: 1
MC-NP21SA1	26-36	26-48	2	
MC-NP30SA1	38-54	50-54	3	for Gas: 2 for Liquid: 2
MC-NP31SA	–	56-72	3	for Gas: 2 for Liquid: 2
MC-NP40SA	56-72	74-96	4	for Gas: 3 for Liquid: 3

NOTE:
The old model (MC-TTA1) is not available.

Example: MC-NP21SA1

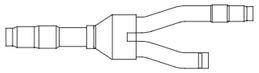


Branch Pipe for Gas Line

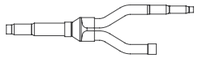


Branch Pipe for Liquid Line

Example: MC-NP31SA



Gas Side



Liquid Side

MULTI-KIT

Branching for indoor and outdoor connecting pipes

Line branch

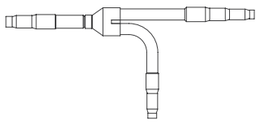
First branching pipes

Model	ODU HP class
MW-NP282A3	5-10
MW-NP452A3	12-16
MW-NP692A3	18-24
MW-NP902A3	26-54
MW-NP2682A3	56-96

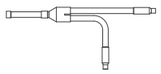
Pipe diameter after the first branch and multi-kit

Model	Total IDU HP class	Diameter (mm)	
		Gas Pipe	Liquid Pipe
MW-NP282A3	< 6	Φ15.88	Φ9.52
	6-8.99	Φ19.05	Φ9.52
	9-11.99	Φ22.2	Φ9.52
MW-NP452A3	12-15.99	Φ25.4	Φ12.7
	16-17.99	Φ28.58	Φ12.7
MW-NP692A3	18-25.99	Φ28.58	Φ15.88
MW-NP902A3	26-35.99	Φ31.75	Φ19.05
	36-55.99	Φ38.1	Φ19.05
MW-NP2682A3	56-67.99	Φ44.45	Φ19.05
	68-73.99	Φ44.45	Φ22.2
	74-89.99	Φ50.8	Φ22.2
	≥ 90	Φ50.8	Φ25.4

Example: MW-NP282A3



Gas Side

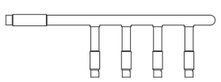


Liquid Side

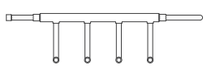
Header branch

Model	Total IDU HP class	No. of Header Branches
MH-NP224A	5-8	4
MH-NP288A	5-10	8

Example: MH-NP224A



Gas Side



Liquid Side

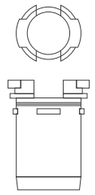
DRAIN BOSS

The drain boss is for the drain pipe connection in order to use the bottom base of the outdoor unit as a drain pan.

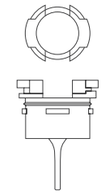
Quantity

Model	Applicable ODU HP class		Q'ty
	FSNP series	FSNS series	
DBS-TP10A	5-14	8-18	1
	16-24	20-36	2
	26-32	38, 40	3
	34, 36	42-48	4
	38-42	50-54	3
	44, 46	56-60	4
	48, 50	62-66	5
	52, 54	68-72	6
	56, 58	74-78	5
	60	80-84	6
	62	86-90	7
	64-72	92-96	8

DBS-TP10A



Drain Boss×2



Drain Cap×2
To close the drain hole

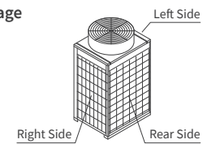
HEAT EXCHANGER COVER

This air inlet grille is to caution not to touch the outdoor unit heat exchanger reach in from air inlet. It is not designed to prever people reaching to the heat exchanger.

Air inlet grille

HP class (kW)		Rear	Right	Left
FSNP series	FSNS series			
5-6(14.0-16.0)	8-12(22.4-33.5)	PSN-TP20BA	PSN-TP20R	PSN-TP20L
8-14(22.4-40.0)	14-18(40.0-50.0)	PSN-TP20BB	PSN-TP20R×2	PSN-TP20R×2
16-18(45.0-50.0)	20-24(56.0-67.0)	PSN-TP20BC	PSN-TP20R×2	PSN-TP20R×2

Image

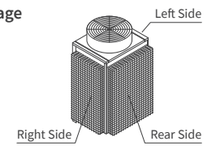


This protection net is to protect the outdoor unit heat exchanger from external damages such as being hit by a ball.

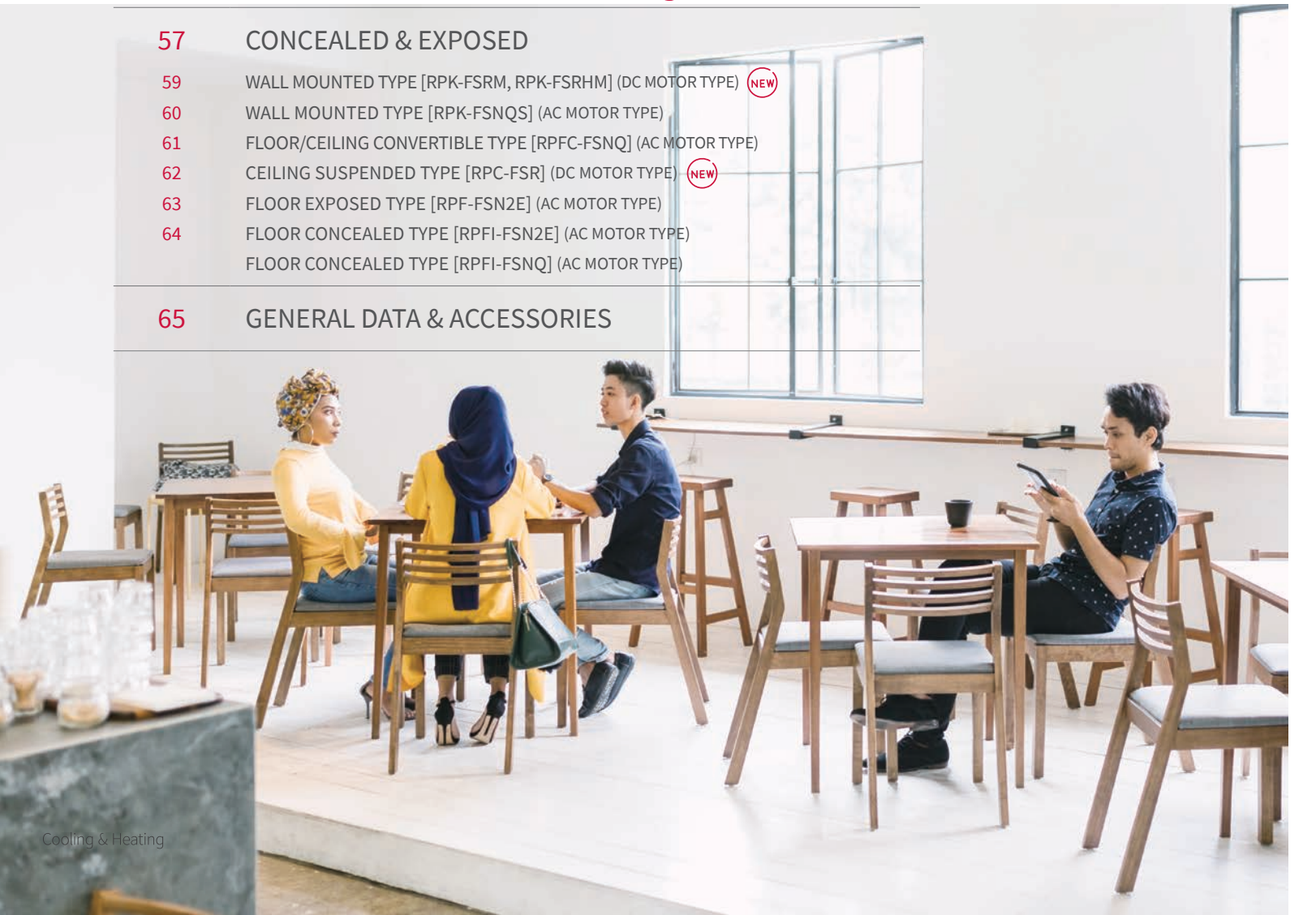
Protection net

HP class (kW)		Rear	Right	Left
FSNP series	FSNS series			
5-6(14.0-16.0)	8-12(22.4-33.5)	PN-TP20BA	PN-TP20R	PN-TP20L
8-14(22.4-40.0)	14-18(40.0-50.0)	PN-TP20BB	PN-TP20R	PSN-TP20R
16-18(45.0-50.0)	20-24(56.0-67.0)	PN-TP20BC	PN-TP20R	PSN-TP20R

Image



VRF INDOOR UNITS



COMFORT FIRST

To each space its own indoor units. Our wide range of units can meet any type of requirements and space layout, and seamlessly integrate with interiors.

With seamless and quiet operation, occupants can enjoy a relaxing air without even noticing it. Advanced functions such as GentleCool or AutoBoost enable customization to occupant's preferences, while smart design will minimize the needs of maitenance. For the first time available in VRF, exclusive FrostWash™ technology will clean the coil without effort.

SOLUTIONS TO BE MEMORIZED

WIDE LINE-UP FOR ANY TYPE OF ROOMS

DUCTED

HIGH ESP TYPE (DC MOTOR TYPE)
RPI-FSR, RPI-FSN1

- Cooling Capacity: 5.6-28.0kW
  ESP: Up to 200Pa for RPI-2.0-6.0FSR model,up to 230Pa for RPI-8.0/10.0FSN1 model

MEDIUM ESP TYPE (DC MOTOR TYPE)
RPIM-FSR

- Cooling Capacity: 2.2-16.0kW
  ESP: 3 steps of static pressure (50/100/150 Pa) available

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

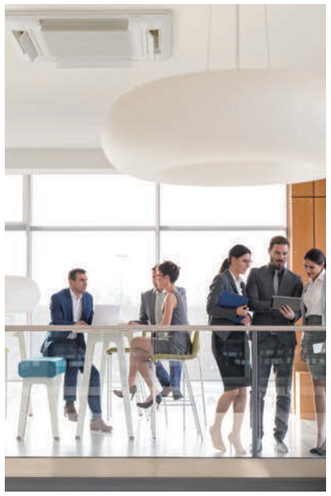
- Cooling Capacity: 2.2-7.1kW Fan air flow rate up to 6 taps (DC motor model only)
  ESP: 10/30Pa

COMPACT TYPE (AC MOTOR TYPE)
RPIZ-HNATNQ

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

LARGER AIR VOLUME TYPE (AC MOTOR TYPE)
RPI-FSN2SQ

- Cooling Capacity: 8.0-18.0kW
  High external static pressure: Up to 120Pa (140Pa in 7HP class)



CASSETTE

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

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

Silent-Iconic™
P-GP160NAP, P-GP160NAPU

- The indoor air conditioning unit that makes a statement without making “noise”

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

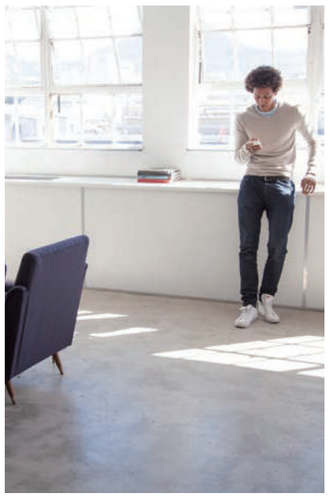
- Compact 600×600mm fits a standard ceiling grid, allowing it to be easily incorporated between lighting panels

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

- 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

- 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, RPK-FSRHM

- More precise and tailored comfort fo you

WALL MOUNTED TYPE (AC MOTOR TYPE)
RPK-FSNQS

- Economic choice for any type of room

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

- A functional solution for performance and practicality

CEILING SUSPENDED TYPE (DC MOTOR TYPE)
RPC-FSR

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

FLOOR EXPOSED TYPE (AC MOTOR TYPE)
RPF-FSN2E

- Ideal for installation under windows and in hallways

FLOOR CONCEALED TYPE (AC MOTOR TYPE)
RPFI-FSN2E / RPFI-FSNQ

- Can be installed in floor cavities and walls

SOLUTIONS TO BE MEMORIZED

TEMPERATURE MANAGEMENT FOR SUPERIOR COMFORT

GENTLECOOL

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.

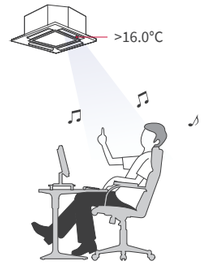
Potential Discomfort

GentleCool: OFF

GentleCool → No Cold Draft

GentleCool: LOW

GentleCool: MED



GentleCool: HIGH

CROWD-SENSE NEW

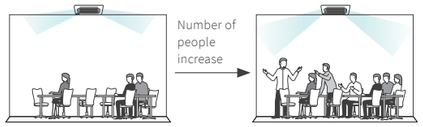
Adjusting capacity by predicting room temperature changes due to an increase or decrease in human activity

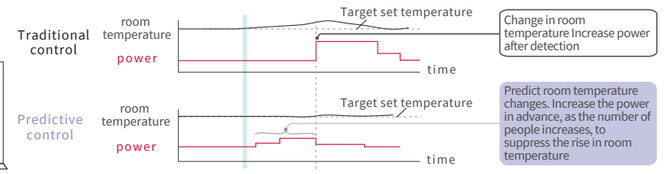
The motion and radiant temperature sensors detect changes in the number of people in the area and changes in the heat source and predict changes in room temperature. This CROWD-SENSE feature activated by “Predictive crowd adjustment mode" adjusts the air conditioning capacity and suppresses fluctuations 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.)
- If the number of people decreases whilst heating is in process, this control will not work.

During the cooling function

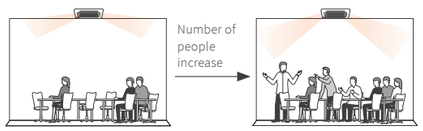
If there is a lot of change in the number of people, such as during a meeting, the capacity is adjusted by predicting changes in room temperature.

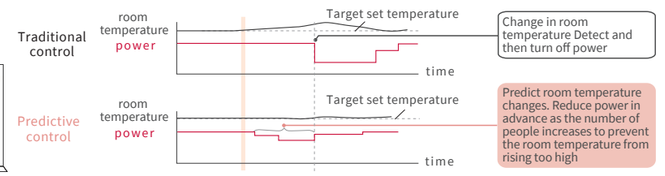




During the heating function

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.





SOLUTIONS TO BE MEMORIZED

TEMPERATURE MANAGEMENT FOR SUPERIOR COMFORT

FEETWARM NEW

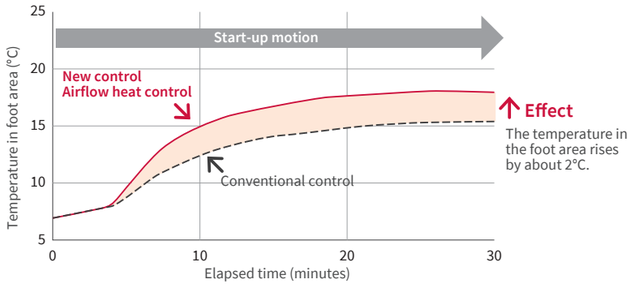
RCI-FSRP + P-AP160NAE2

PC-ARFG

INTELLIGENT COMFORT WITH OPTIONAL SENSOR

Airflow heat control raises the temperature in the foot area

Activated by [FeetWarm heat air control] in comfort setting, in the heating operation, "FEETWARM" feature improves the reaching distance of warm, as well as suctions low temperature air in the room efficiently. "FEETWARM" feature raises the temperature in the foot area compared to conventional control. In addition, since warm air is blown downwards in a more effective way, this feature is effective even in a large spaces.



Temperature transition in the foot area
(average temperature 30 cm above the floor)

BETTER WARMTH IN THE ROOM

(1) Start-up motion

When the radiant temperature sensor detects that "the area around your feet is cold", 4-way cassette closes two opposite louvers [*1] and narrows the airflow area, to concentrate the air volume in the other two louvers and make the underflow air stronger[*2].
This increases the air speed and makes it easier for warm air to reach the floor.
In addition, low temperature air is efficiently suctioned via the center air-inlet grill near the two opposite louvers that are currently closed.
Under this Start-up motion, the operation of this close & underflows in two louvers is changed alternately every 3 minutes, so that the temperature of your foot area in the room can be quickly warmed up.

*1 Under this "FEETWARM" feature, the gap of closed louver is a bit wider than the gap in operation-off.
*2 In the case of underflow, the air may hit your body directly, possibly causing you to feel cold a bit.

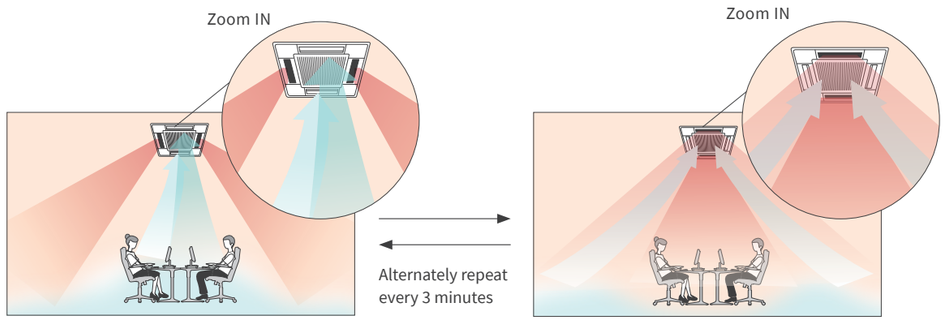
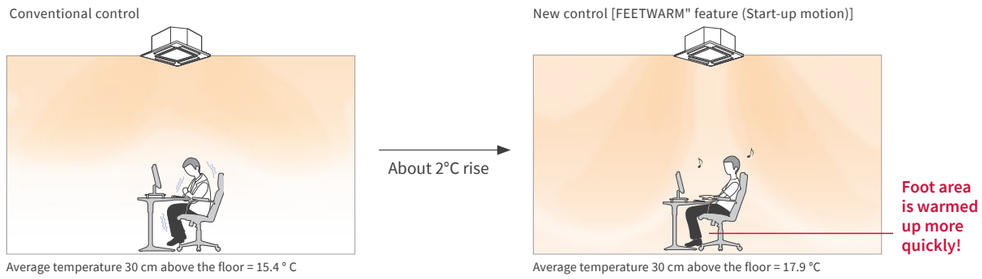


Image:
Effect of start-up motion (temperature distribution near the foot area 30 minutes after starting the heating function) [Image based on calculation results]



(2) Temperature unevenness suppression motion

When the radiant temperature sensor detects that "the area around your feet is NO LONGER cold", this "FEETWARM" feature is shifted from "Start-up motion" to "Temperature unevenness suppression motion", which is to circulates the air flow more effectively in order to suppress the temperature unevenness in the foot area.
4-way cassette operates in Auto-Swing mode by letting 3 louvers open, while closing only one remaining louver.
To do so, 4-way cassette can suction the lower cold temperature more efficiently, and, help warm air circulate inside the room.

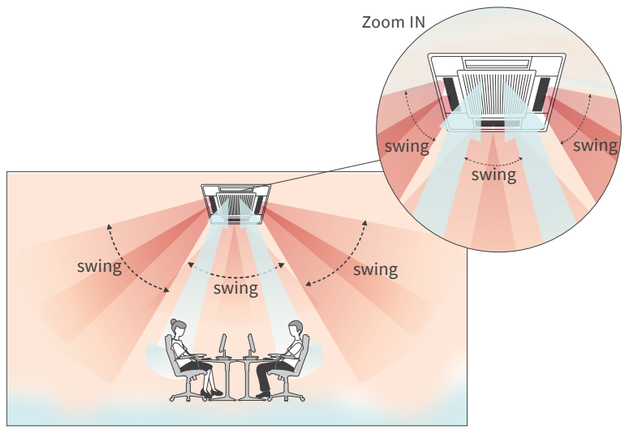
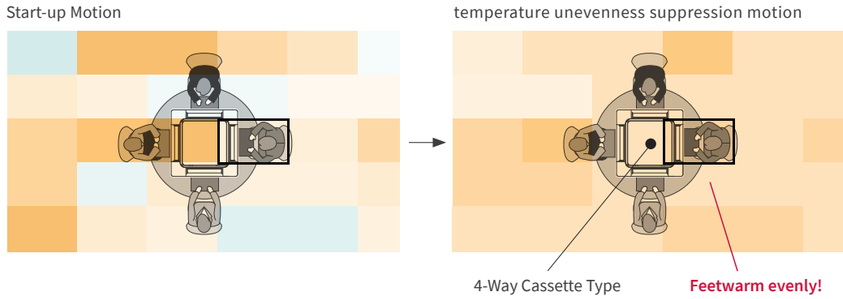


Image:
Effect of temperature unevenness suppression motion (temperature distribution around the foot area)



[Measurement condition Based on Hitachi research]
See simulation result under the following conditions above.
Unit capacity: 80 type, room size: "height 3.2m, length 6.3m, width 6.3m", indoor initial temperature: 7 °C, outdoor temperature: 7 °C, indoor airflow temperature: 30 °C for 0-5 minutes, Gradually rise from 30 °C to 40 °C after 5 minutes, Multi-function remote control setting: Airflow heat control "effective / long".
(Note) The effect varies depending on the size of the room and the load.

SOLUTIONS TO BE MEMORIZED

TEMPERATURE MANAGEMENT FOR SUPERIOR COMFORT

DIRECT OR INDIRECT AIRFLOW CHOICE NEW

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.

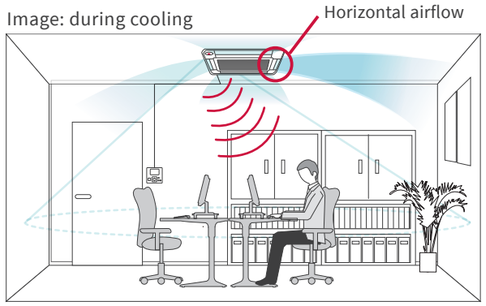
The air conditioning sensing area is divided into 4 zones through motion sensor. Each zone corresponds to ONE louver. Selecting “Indirect" or "Direct" automatically adjusts the direction of the air flow*1 for each zone with human activity.

*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

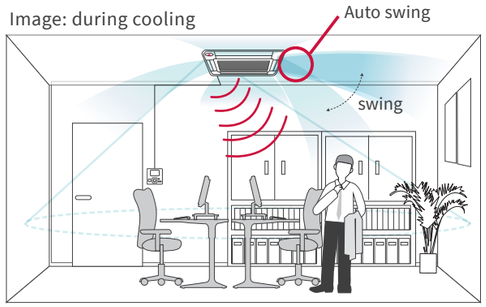


Detect people

DIRECT AIR DISTIBUTION

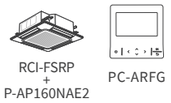
Conditioning the air by Auto-Swing airflow so that people can feel the direct cold air

Image: during cooling



Detect people

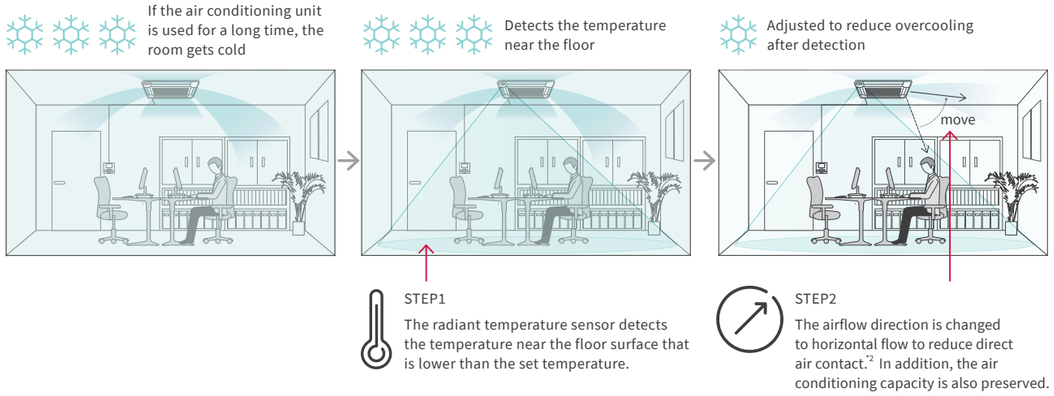
FLOORSENSE COOL NEW



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

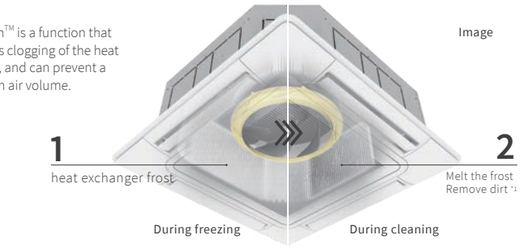
FOR YOUR SMARTER OPERATION

FROSTWASH™ NEW

Creates frost in the heat exchanger and melts the frost Removes dirt such as dust and suppresses clogging of the heat exchanger

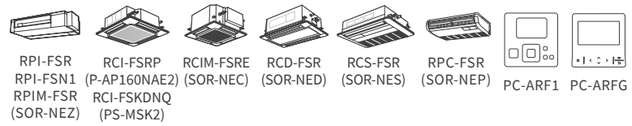
As the heat exchanger builds up frost, and the stored frost is melted to remove dirt. It prevents clogging of the heat exchanger, prevents the decrease in air volume and helps maintain a comfortable air environment. In addition, "FrostWash™" can be selected from automatic and manual.

"FrostWash™ is a function that suppresses clogging of the heat exchanger, and can prevent a decrease in air volume.



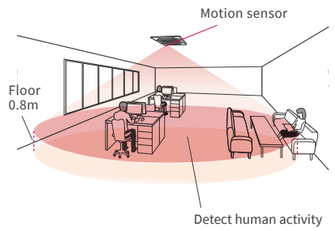
* 1. Dirt removal method depends on the usage environment.
* 2. Manual cleaning operation or automatic cleaning setting of the multifunction remote controller is required.
* 3. FrostWash feature is available only when VRF Outdoor units are FSNP/FSNS models only.
Please consult your distributors for more details

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.

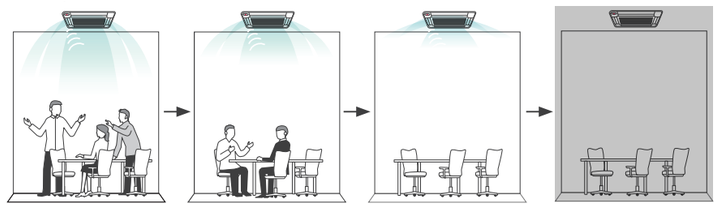
Image



How does it work?

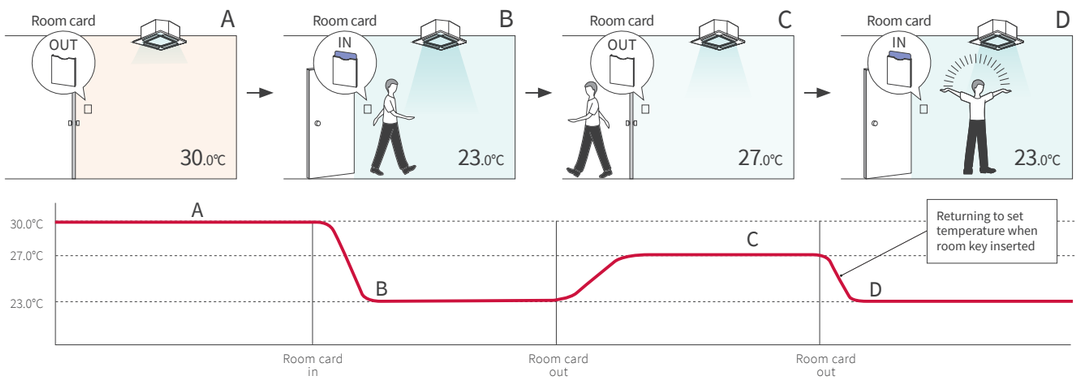
Detects the amount of human activity and activates auto-save.

<example>



HOTEL SETBACK

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



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(DC MOTOR TYPE)
[RPI-FSR, RPI-FSN1]

- High external static pressure available: Up to 200Pa for RPI-2.0-6.0FSR model, up to 230Pa for RPI-8.0/10.0FSN1 model
- You have more design flexibility with both rear and bottom air suction directions available
- Setback temperature control available, leading to better operation.
- GentleCool control to ensure you are not bothered by cold draft

MEDIUM ESP TYPE(DC MOTOR TYPE)
[RPIM-FSR]

- 3 steps of static pressure (50/100/150 Pa) available
- You have more design flexibility with both rear and bottom air suction directions available
- Setback temperature control available, leading to better operation.
- GentleCool control to ensure you are not bothered by cold draft

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))

LARGER AIR VOLUME TYPE (AC MOTOR TYPE)
[RPI-FSN2SQ]

- Two external static pressure settings for better flexibility
- High external static pressure: Up to 120Pa (140Pa in 7HP class)
- Suitable for air distribution for multiple zone

COMPARISON

DUCTED — 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
HIGH ESP TYPE (DC MOTOR TYPE) [RPI-FSR, RPI-FSN1] (NEW)								●		●	●			●	●		●		●	●
MEDIUM ESP TYPE (DC MOTOR TYPE) [RPIM-FSR] (NEW)		●	●		●			●		●	●			●	●		●			
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]		●	●	●	●		●	●	●	●										
LARGER AIR VOLUME TYPE (AC MOTOR TYPE) [RPI-FSN2SQ]											●			●	●		●	●		

FEATURES COMPARISON

Model		HIGH/ MEDIUM ESP TYPE (DC motor) (NEW)	HIGH ESP TYPE (8/10HP class) (DC motor) (NEW)	HIGH ESP TYPE (AC motor)	HIGH/ MEDIUM ESP (8/10HP class) (AC motor)	MEDIUM/ LOW ESP TYPE (AC motor)	COMPACT TYPE (DC motor)	COMPACT TYPE (AC motor)	LARGER AIR VOLUME TYPE (AC motor)
		 RPI-FSR RPIM-FSR	 RPI-FSN1	 RPIH-HNAUNQ	 RPI-FSNQ RPI-FSN3Q	RPIM-HNAUNQ RPIL-HNAUNQ	 RPIZ-HNDTSQ	RPIZ-HNATNQ	 RPI-FSN2SQ
COMFORT	Temperature Setting Rate	0.5℃/1.0℃	0.5℃/1.0℃	1.0℃	1.0℃	1.0℃	1.0℃	1.0℃	1.0℃
	Indoor Fan Speed	4 taps	4 taps	3 taps	1 tap	3 taps	6 taps	3 taps	3 taps
	Louver Direction	-	-	-	-	-	-	-	-
	Individual Louver Setting	-	-	-	-	-	-	-	-
	Auto Louver Setting	-	-	-	-	-	-	-	-
	Dry mode Availability	●	●	●	●	●	●	●	●
	Setback (Away Function)	●	●	-	-	-	-	-	-
	Cold Draft Prevention Availability (*1)(*4)	●	●	●	●	●	●	●	●
	Comfort setting Control Cool Air (GentleCool) (*2)	●	●	-	-	-	-	-	-
	Direct/Indirect louver direction in COOL	-	-	-	-	-	-	-	-
	Direct/Indirect louver direction in HEAT	-	-	-	-	-	-	-	-
	FeetWarm air flow control	-	-	-	-	-	-	-	-
	FloorSense Cool air flow control	-	-	-	-	-	-	-	-
POWER-SAVING	Power Saving with Motion Sensor (*2)	●	●	-	-	-	-	-	-
	Outdoor Unit capacity control (*2) Peak cut control	●	●	-	-	-	-	-	-
	Outdoor Unit capacity control (*2) moderate control	●	●	-	-	-	-	-	-
	Indoor Unit Rotation Control (*2) Indoor Unit Address	●	●	-	-	-	-	-	-
	Indoor Unit Rotation Control (*2) Indoor Air Temperature difference	●	●	-	-	-	-	-	-
MENU	Automatic Fan Operation	●	●	●	●	●	●	●	●
	Quick Function (*2)	●	●	-	-	-	-	-	-
	Daylight Saving Time	●	●	●	●	●	●	●	●
	Power Consumption visualization (*2)	●	●	-	-	-	-	-	-
	Weekly Schedule Setting	●	●	●	●	●	●	●	●
	Power-Saving Setting (*2)	●	●	-	-	-	-	-	-
MAINTENANCE	FrostWash™ (NEW)	●	-	-	-	-	-	-	-
	Dirty Filter Notice Availability	●	●	●	●	●	●	●	●
	Check Menu Sensor Condition Check	●	●	●	●	●	●	●	●
	Check Menu Model Display (*2)	●	●	-	-	-	-	-	-
	Check Menu Indoor/Outdoor PCB Check	●	●	●	●	●	●	●	●
	Check Menu Alarm History Display	●	●	●	●	●	●	●	●
OPTIONAL ACCESSORY	Motion Sensor	SOR-NEZ	SOR-NEZ	-	-	-	-	-	-
	Receiver Kit for wireless remote controller	PC-ALHZ1	PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1
	Drain-up mechanism availability	● (*3)	● (*3)	DUPI-361Q	DUPI-15H2Q	DUPI-131Q DUPI-361Q	● (*3)	● (*3)	-
	Air filter	F-56/90/160LI B-56/90/160LI	F-280LI B-280LI	KW-PP9/10Q	-	KW-PP7/ 8/9/10Q	KW-PP5Q KW-PP6Q	KW-PP5Q KW-PP6Q	-

(*1) This function is utilized to prevent cold discharged air at start-up of heating operation, after defrosting operation, etc.
(*2) Advanced wired remote controller PC-ARF1 needs to be connected.
(*3) Included as standard equipment.
(*4) Please consult your distributor.

HIGH ESP TYPE (HIGH EXTERNAL STATIC PRESSURE TYPE) (DC MOTOR TYPE) [RPI-FSR, RPI-FSN1]

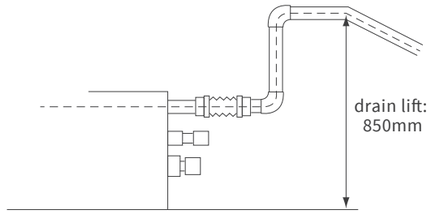
NEW

FEATURES AND BENEFITS

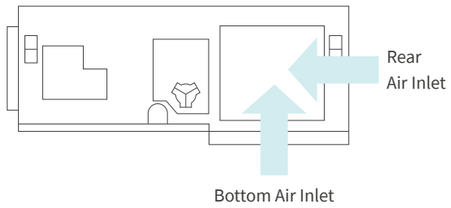
1) Setback temperature control available, leading to better operation.

2)GentleCool control to ensure you are not bothered by cold draft

3) Fits a standard drain pump with 850mm lift



4) Air Inlet can be chosen from two locations



5) FrostWash™

[Constant Performance] FrostWash™ can collect dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity

MEDIUM ESP TYPE (MEDIUM EXTERNAL STATIC PRESSURE TYPE) (DC MOTOR TYPE) [RPIM-FSR]

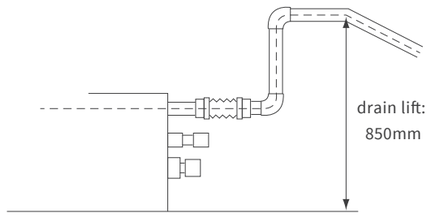
NEW

FEATURES AND BENEFITS

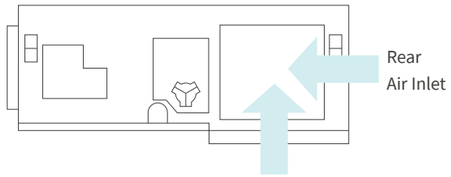
1) Setback temperature control available, leading to better operation.

2) GentleCool control to ensure you are not bothered by cold draft

3) Fits a standard drain pump with 850mm lift



4) Air Inlet can be chosen from two locations



5) FrostWash™

[Constant Performance] FrostWash™ can collect dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity

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

FEATURES AND BENEFITS

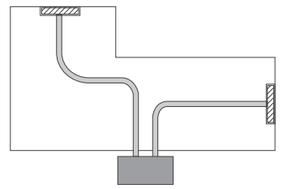
1) High ESP (90/120/180Pa)

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

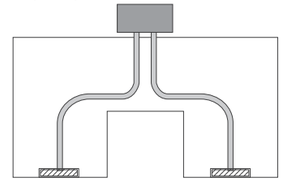
3) Flexible installation

options allow for multiple configurations

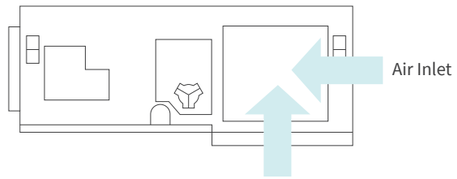
L-shaped space



U-shaped space

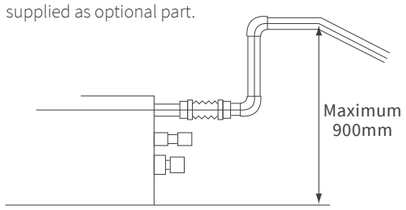


4) Air Inlet



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]

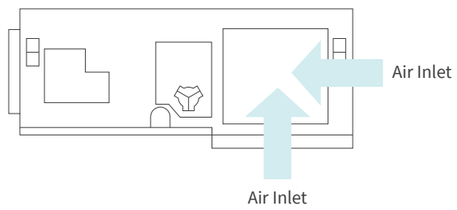
FEATURES AND BENEFITS

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

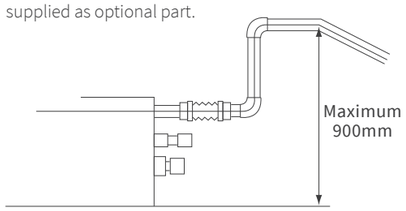
(0.8-2.5HP class) or 470mm (8.0-10.0HP class)

3) Air Inlet



4) Optional Drain Pump

Drain-up mechanism can be supplied as optional part.



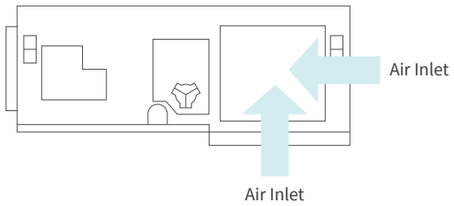
LOW ESP TYPE (LOW EXTERNAL STATIC PRESSURE TYPE)
(AC MOTOR TYPE) [RPIL-HNAUNQ]

FEATURES AND BENEFITS

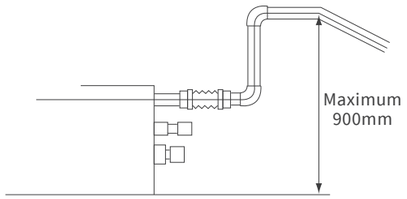
1) Low ESP (30Pa for 0.8-2.5HP class, 60Pa for 3.0-6.0HP class)

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]

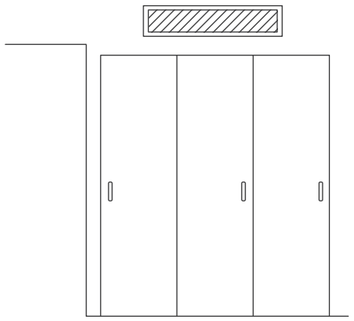
FEATURES AND BENEFITS

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

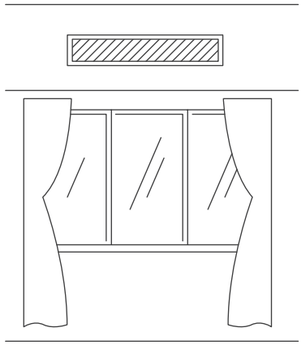
2) Drain-pump with 900mm lift as standard optional part

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

COMPACT TYPE
(AC MOTOR TYPE) [RPIZ-HNATNQ]

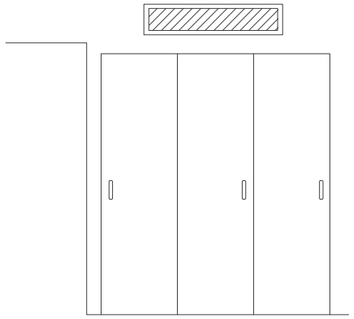
FEATURES AND BENEFITS

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

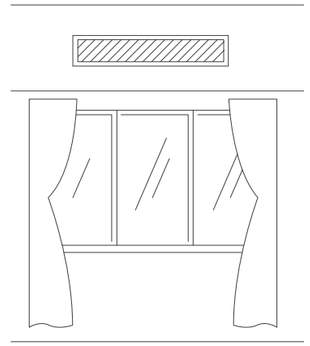
2) Drain-pump with 900mm lift as standard optional part

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

LARGER AIR VOLUME TYPE
(AC MOTOR TYPE) [RPI-FSN2SQ]

FEATURES AND BENEFITS

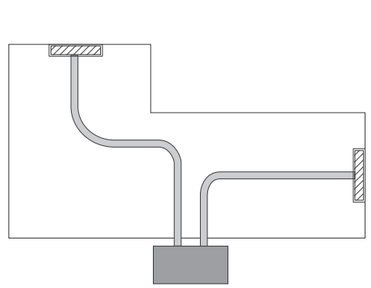
1) Two external static pressure settings for better flexibility

2) High external static pressure: Up to 120Pa (140Pa in 7HP class)

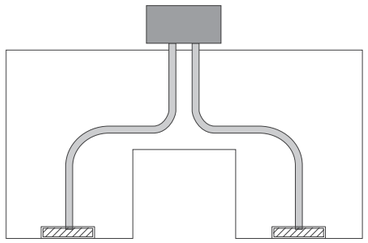
3) Suitable for air distribution for multiple zone

4) Flexible installation options allow for multiple configurations

L-shaped space



U-shaped space



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.

CEILING CASSETTE

Twin-Sense panel
(P-AP160NAE2)

Silent-Iconic™

Color variation (RCI-FSRP)

Silent-Iconic™
with Elevation Grille

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

(with P-AP160NAE2)
- Greater performance & Greater comfort can be achieved
- Hitachi exclusive FrostWash™ equipped too.

(with P-GP160NAP)
- Award-winning Silent-Iconic™ to fit your indoor aesthetics.
- We have also Black type Silent-Iconic™, and, Gray/Beige/Black normal panel.

(with P-GP160NAPU)
- Maintenance will be enormously improved by the auto-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

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
- Hitachi exclusive FrostWash™ equipped

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
- Hitachi exclusive FrostWash™ equipped

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
- Hitachi exclusive FrostWash™ equipped

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

(*1) This function is utilized to prevent cold discharged air at start-up of heating operation, after defrosting operation, etc.

(*2) Advanced wired remote controller PC-ARF1 needs to be connected.

(*3) Included as standard equipment.

(*4) 7 steps are avilable by individual louver setting, 5 steps only in the operation of Cooling or Dry.

(*5) 5 steps only in the operation of Cooling or Dry.

(*6) 3 colors available (Beige, Grey and Black).

(*7) Optional parts: Duct Adapter is availbale. Please consult your distributor.

NEW

Silent-Iconic™

4-way Cassette Design Panel

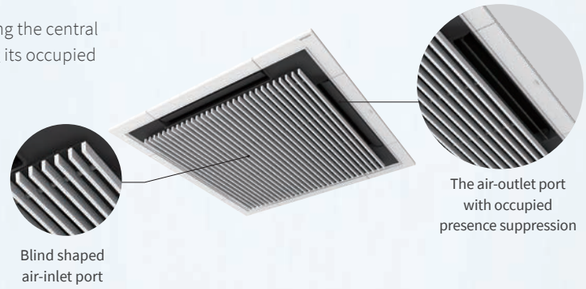
A design panel in harmony with
the space that responds to the
needs of architectural designers

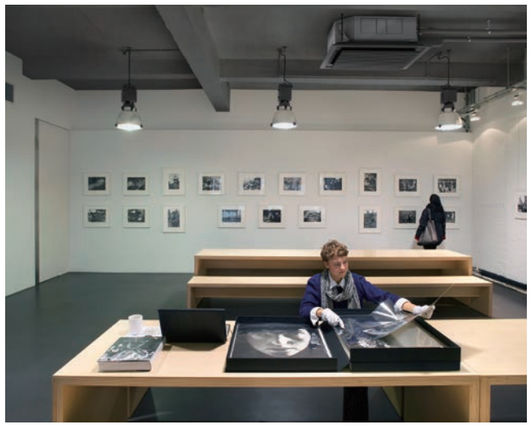
iF DESIGN AWARD 2020
iF Design Award 2020
Award Winning
(Discipline: Product)

GOOD DESIGN AWARD 2020

The design is well-matched to the space

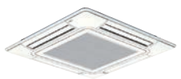
It is designed to harmonize with the space by creating the central part to be a blind shaped air-inlet port and reducing its occupied presence by darkening the air-outlet port.



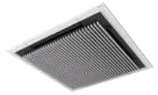


Try it with iPhone!!

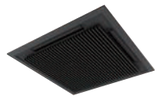
In AR (Augmented Reality), you can see the image of "4-way Cassette Air Conditioner" and "Silent-Iconic™" installed in the actual space.



4-way Cassette
Air Conditioner



Silent-Iconic™
White



Silent-Iconic™
Black

Operating environment

[Device]	
iPhone*1	iPhone 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 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.

CASSETTE

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

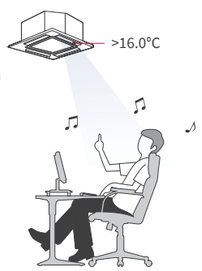
LINE-UP

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™ (P-GP160NAP)  White Black	
(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.

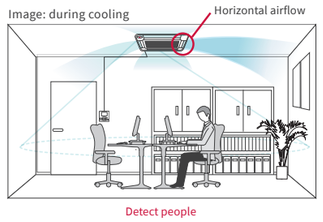


NEW FEETWARM

(with radiant temperature sensor) optimization of IDU air flow direction during heating mode by to make sure that leg zone is consistently heated

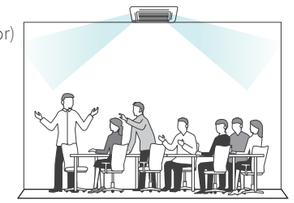
NEW FLOORSENSE COOL

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



NEW CROWD-SENSE

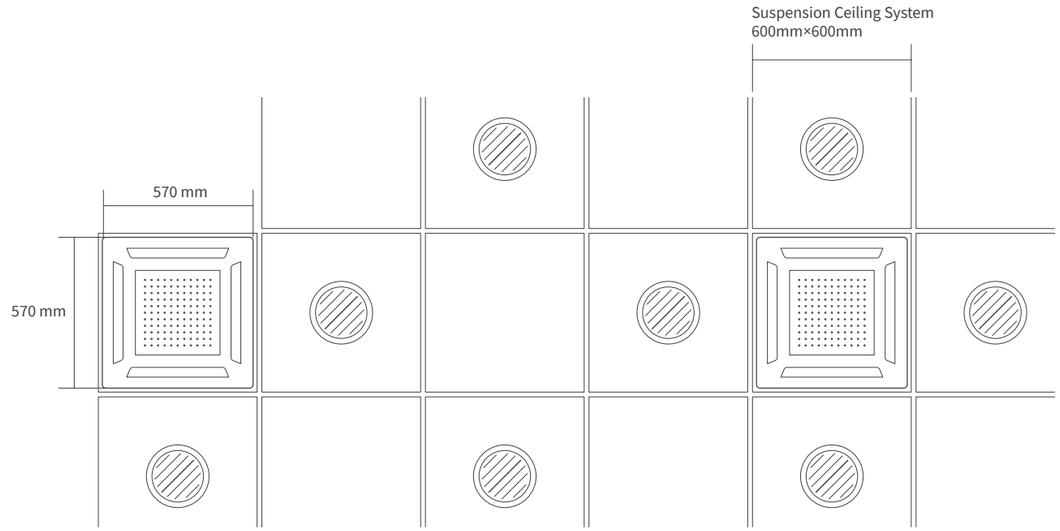
(with motion sensor + radiant temperature sensor) In case of occupancy changes, predictive adjustment of cooling or heating operation to prevent fluctuations of indoor temperature due to human body heat.



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

FEATURES AND BENEFITS

1) Compact



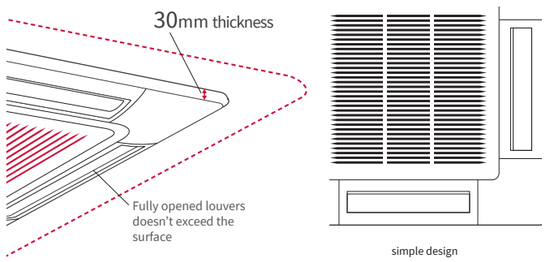
The compact 600×600mm footprint fits a standard ceiling grid, allowing it to be easily incorporated between lighting panels, being ideal for the small place installation!

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

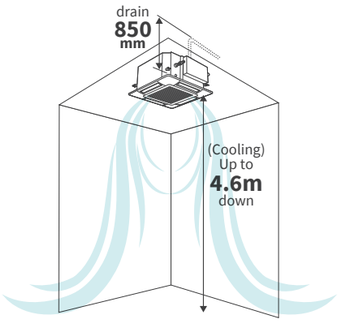
IDU Capacity HP(Class)	0.6	0.8	1	1.5	2	2.5
Sound pressure level (dB(A))	24.5	24.5	24.5	27.5	31	35

*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

5) FrostWash™

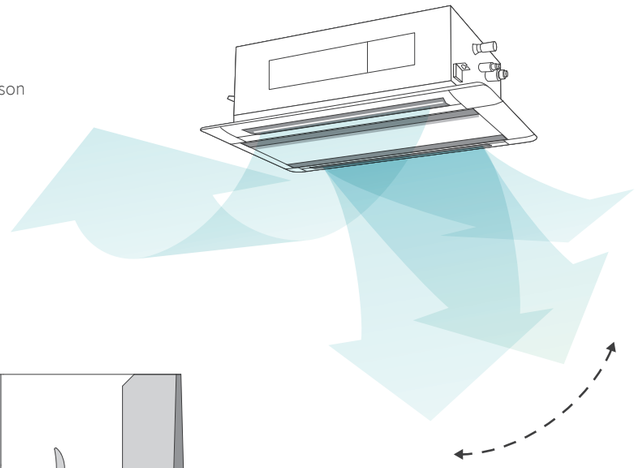
[Constant Performance] FrostWash™ can collect dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity

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

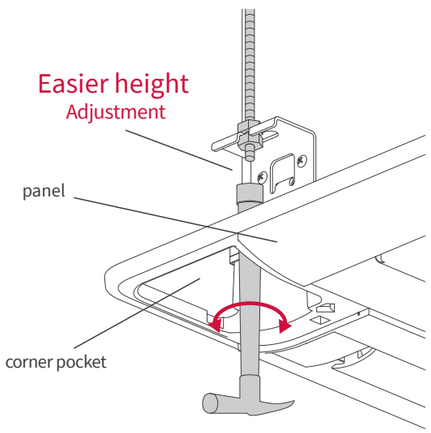
FEATURES AND BENEFITS

1) Control air flow with individual louvers

Suitable environment can be achieved for each person



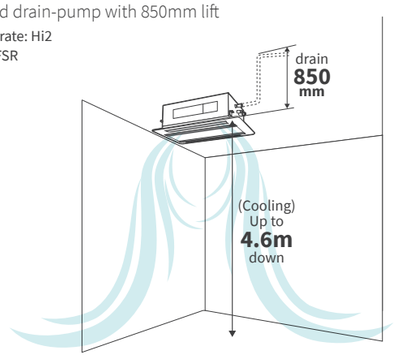
2) The height of the space for installing the unit can be fine-tuned



3) Suitable for high ceiling space

Standard drain-pump with 850mm lift

* Air flow rate: Hi2
* 2.0-6.0 FSR



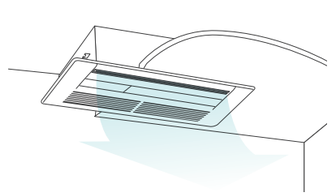
4) FrostWash™

[Constant Performance] FrostWash™ can collect dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity

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

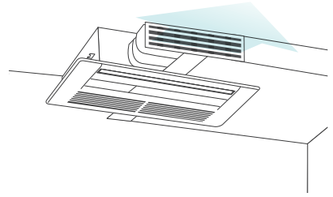
FEATURES AND BENEFITS

1) 3 installation types selectable



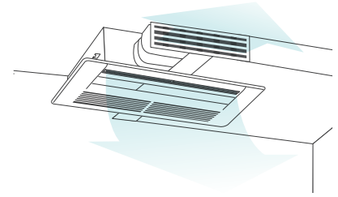
Corner type (standard)

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

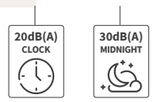
Provides increased comfort through two-direction airflow by utilizing the advantages of installation on a clipped ceiling. Room temperature distribution can be improved by both forward airflow and downward airflow

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

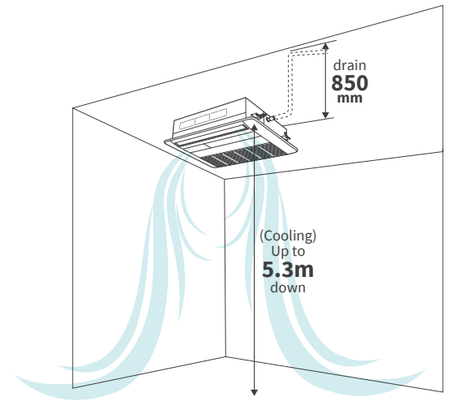


3) FrostWash™

[Constant Performance] FrostWash™ can collect dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity

4) Suitable for high ceiling space

Standard drain-pump with 850mm lift



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

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.

WALL MOUNTED TYPE
(DC MOTOR TYPE)
[RPK-FSRM, RPK-FSRHM]
- Simple installation procedure
- Flexible discreet design suitable for any interior
- Without expansion-valve model available for 0.6-1.5 for more silent indoor space
- Setback temperature control available, leading to better operation.
- GentleCool control to ensure you are not bothered by cold draft

WALL MOUNTED TYPE
(AC MOTOR TYPE)
[RPK-FSNQS]
- Simple installation procedure
- Flexible discreet design suitable to any interior

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

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
- FrostWash™

FLOOR EXPOSED TYPE
(AC MOTOR TYPE)
[RPF-FSN2E]
- Easy installation
- Little installation space required, with only 220mm depth
- Suitable for installation under a window, with a 630mm height

FLOOR CONCEALED TYPE
(AC MOTOR TYPE)
[RPFI-FSN2E] / [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, RPK-FSRHM]	NEW	●	●	●		●			●		●	●			●			
	WALL MOUNTED TYPE (AC MOTOR TYPE) [RPK-FSNQS]			●	●	●	●		●	●	●								
	FLOOR / CEILING CONVERTIBLE TYPE (AC MOTOR TYPE) [RPFC-FSNQ]								●	●	●	●		●	●	●		●	
	CEILING SUSPENDED TYPE (DC MOTOR TYPE) [RPC-FSR]	NEW					●			●		●	●			●	●		●
	FLOOR EXPOSED TYPE (AC MOTOR TYPE) [RPF-FSN2E]				●		●			●		●							
	FLOOR CONCEALED TYPE (AC MOTOR TYPE) [RPFI-FSN2E]				●		●			●		●							
	FLOOR CONCEALED TYPE (AC MOTOR TYPE) [RPFI-FSNQ]				●			●		●		●							

FEATURES COMPARISON

Model			WALL MOUNTED TYPE		FLOOR/CEILING CONVERTIBLE TYPE	CEILING SUSPENDED TYPE	FLOOR EXPOSED TYPE	FLOOR CONCEALED TYPE
			NEW RPK-FSRM RPK-FSRHM	RPK-FSNQS	RPFC-FSNQ	NEW RPC-FSR	RPF-FSN2E	RPFI-FSN2E 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	1.0°C
	Indoor Fan Speed		4 taps	3 taps	3 taps	4 taps	3 taps	3 taps
	Louver Direction		7 (*5)	7 (*5)	7 (*5)	7 (*5)	-	-
	Individual Louver Setting		-	-	-	-	-	-
	Auto Louver Setting		-	●	-	-	-	-
	Dry mode Availability		●	●	●	●	●	●
	Setback (Away Function)		●	-	-	●	-	-
	Cold Draft Prevention Availability (*1) (*6)		●	-	●	●	●	●
	Comfort setting	Control Cool Air (GentleCool) (*2)	●	-	-	●	-	-
	Direct/Indirect louver direction in COOL		-	-	-	-	-	-
	Direct/Indirect louver direction in HEAT		-	-	-	-	-	-
	FeetWarm air flow control		-	-	-	-	-	-
	FloorSense Cool air flow control		-	-	-	-	-	-
POWER-SAVING	Power Saving with Motion Sensor (*2)		-	-	-	●	-	-
	Outdoor Unit capacity control (*2)	Peak cut control	●	-	-	●	-	-
		moderate control	●	-	-	●	-	-
	Indoor Unit Rotation Control (*2)	Indoor Unit Address	●	-	-	●	-	-
		Indoor Air Temperature difference	●	-	-	●	-	-
	Automatic Fan Operation		●	●	●	●	●	●
MENU	Quick Function (*2)		●	-	-	●	-	-
	Daylight Saving Time		●	●	●	●	●	●
	Power Consumption visualization (*2)		●	-	-	●	-	-
	Weekly Schedule Setting		●	●	●	●	●	●
	Power-Saving Setting (*2)		●	-	-	●	-	-
MAINTENANCE	FrostWash™	NEW	-	-	-	●	-	-
	Dirty Filter Notice Availability		●	●	●	●	●	●
	Check Menu	Sensor Condition Check	●	●	●	●	●	●
		Model Display (*2)	-	-	-	●	-	-
		Indoor/Outdoor PCB Check	●	●	●	●	●	●
		Alarm History Display	●	●	●	●	●	●
OPTIONAL ACCESSORY	Motion Sensor		-	-	-	SOR-NEP	-	-
	Receiver Kit for wireless remote controller		PC-ALHZ1	PC-RLH11 (*7) PC-ALHZ1	PC-RLH11 (*7) PC-ALHZ1	PC-ALHP1	PC-ALHZ1	PC-RLH11 (*7) PC-ALHZ1
	Drain-up mechanism availability		-	-	-	DUPC-63K1 DUPC-71K1 DUPC-160K1	-	-
	Air filter		-	●(*6)	-	-	-	-
	Strainer kit		MSF-NP63A1 MSF-NP112A1 MSF-NP36AH1	MSF-NP63A1	-	-	-	-

(*1) This function is utilized to prevent cold discharged air at start-up of heating operation, after defrosting operation, etc.
(*2) Advanced wired remote controller PC-ARF1 needs to be connected.
(*3) Included as standard equipment.
(*4) 7 steps are avilable by individual louver setting. 5 steps only in the operation of Cooling or Dry.
(*5) 5 steps only in the operation of Cooling or Dry.
(*6) Please consult your distributor for the availability.
(*7) Basic Receiver kit (PC-RLH11) is equipped with the unit in package as standard optional part with Wireless Remote Controller (PC-LH7QE).

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

NEW

FEATURES AND BENEFITS

1) Simple installation procedure
2) Flexible discreet design suitable for any interior
3) Without expansion-valve model available for 0.6-1.5HP class for more silent indoor space
4) Hotel Setback feature available, leading to better operation
5) GentleCool control to ensure you are not bothered by cold draft

WALL MOUNTED TYPE
(AC MOTOR TYPE) [RPK-FSNQS]

Discontinued in 2021
Please consult your distributor for more detail

FEATURES AND BENEFITS

1) 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.

2) 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.

3) Easy maintenance

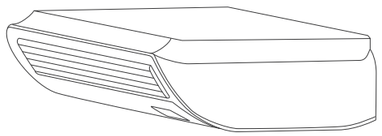
Front flat panel keeps the unit from dust and facilitates maintenance work. The front grille hinges open easily—no tools are needed to gain quick access to the filter. The filter can be removed and cleaned as required.

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

FEATURES AND BENEFITS

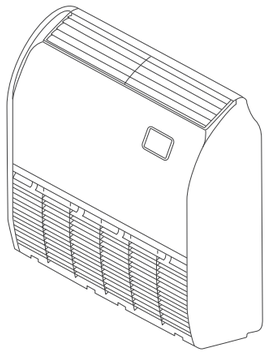
1) Adapts to both floor and ceiling

〖CEILING USE〗
Supplies air to a wide area. High ceiling use capability.



Ceiling Type

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



Floor Type

2) New air-intake design

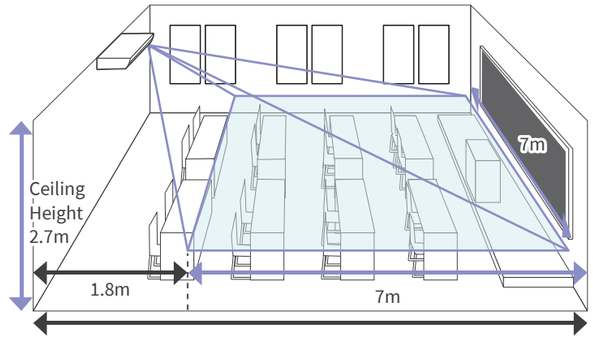
Equipped with air-intakes, the unit connects with ventilations such as a Total Heat Exchanger using a duct, providing better interior air quality.

CEILING SUSPENDED TYPE NEW
(DC MOTOR TYPE) [RPC-FSR]

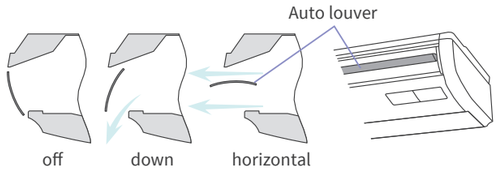
FEATURES AND BENEFITS

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

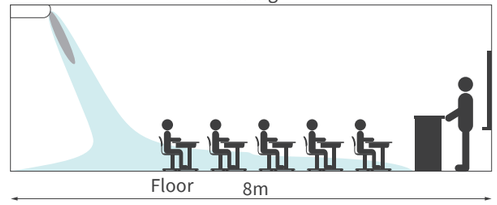
(Optional part) to achieve better energy-saving



2) Auto louver



ceiling



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

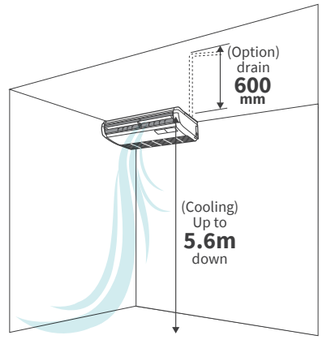
4) FrostWash™

[Constant Performance] FrostWash™ can collect dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity

5) 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



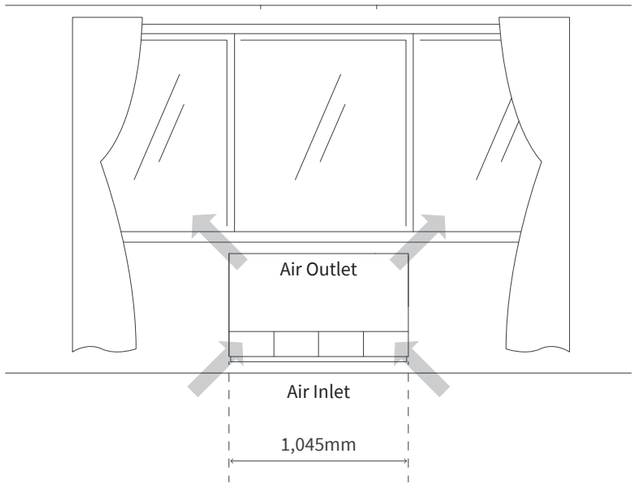
* Air flow rate: Hi2
* 4.0-6.0 FSR

FLOOR EXPOSED TYPE

(AC MOTOR TYPE) [RPF-FSN2E]

FEATURES AND BENEFITS

Floor Exposed units can be installed with a minimum of disruption to walls and floors, making them an excellent retrofitting option. The 220mm depth means that little installation space is required. With a total height of up to 630mm, they are well suited to installation beneath a window.

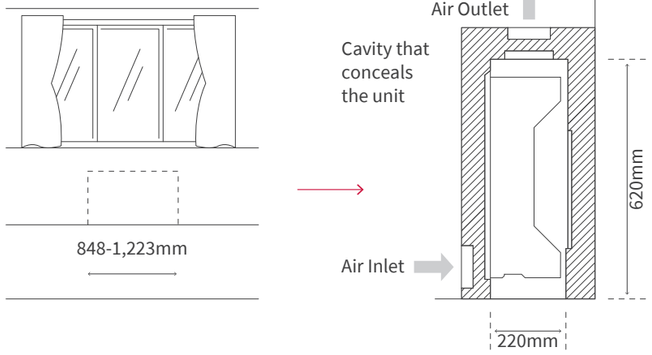


FLOOR CONCEALED TYPE

(AC MOTOR TYPE) [RPFI-FSN2E]

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 220mm depth.

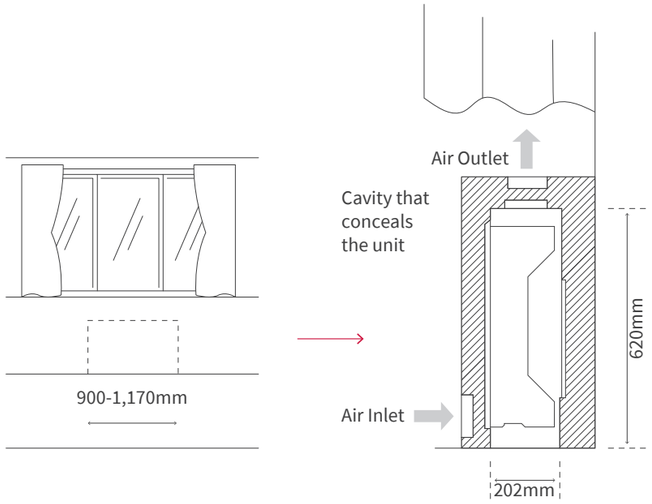


FLOOR CONCEALED TYPE

(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.



GENERAL DATA & ACCESSORIES

HIGH ESP TYPE (HIGH EXTERNAL STATIC PRESSURE TYPE) NEW

(DC MOTOR TYPE) [RPI-FSR, RPI-FSN1]

Model			RPI-2.0FSR	RPI-2.5FSR	RPI-3.0FSR	RPI-4.0FSR	RPI-5.0FSR	RPI-6.0FSR	RPI-8.0FSN1	RPI-10.0FSN1
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Cooling Capacity		kW	5.6	7.1	8.0	11.2	14.0	16.0	22.4	28.0
Nominal Heating Capacity		kW	6.3	8.5	9.0	12.5	16.0	18.0	25.0	31.5
Sound Pressure Level (Overall A Scale)(Hi2/Hi/Me/Lo)		dB(A)	41/38/35/32	37/35/32/30	39/36/33/31	40/37/34/32	42/39/36/33	44/40/37/34	44/40/37/34	44/40/37/34
Sound Power Level (Overall A Scale)(Hi2/Hi/Me/Lo)		dB(A)	59/56/53/50	55/53/50/48	57/54/51/49	58/55/52/50	60/57/54/51	62/58/55/52	45/43/40/36	50/48/46/39
Outer Dimensions	H×W×D	mm	300×700×800	300×1,050×800	300×1,050×800	300×1,400×800	300×1,400×800	300×1,400×800	470×1,380×1,060	470×1,380×1,060
Net Weight		kg	29	38	38	48	48	48	94	94
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan	Air Flow Rate (Hi2/Hi/Me/Lo)	m^3/min (cfm)	14.5/13/ 11/9.5 (512/459/ 388/335)	18.5/16.5/ 14.5/12 (653/582/ 512/423)	20/17.5/ 15.5/13 (706/618/ 547/459)	30/26.5/ 23/20 (1,059/935/ 812/706)	33.5/29.5/ 26/22 (1,182/1,041/ 917/776)	36/31.5/ 27.5/24 (1,270/1,112/ 970/847)	63/58/ 50/38 (2,224/2,048/ 1,765/1,341)	80/72/ 64/48 (2,825/2,542/ 2,260/1,695)
External Pressure (*3)		Pa	50(100-200)	50(100-200)	50(100-200)	50(100-200)	50(100-200)	50(100-200)	50(100-230)	50(100-230)
Motor		W	157	190	190	259	259	259	840	840
Connections		m^3	Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping	Liquid Line	mm	Φ6.35	Φ9.52	Φ9.52	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	Φ19.05	Φ22.2
	Condensate Drain		VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.28	0.39	0.39	0.50	0.50	0.50	0.97	0.97

Receiver kit	Advanced	PC-ALHZ1
Motion Sensor		SOR-NEZ
Condensate Drain Pump Kit		- (included as standard equipment)
Antifungal Long-Life Filter	2.0 (HP Class)	F-56LI
	2.5-3.0 (HP Class)	F-90LI
	4.0-6.0 (HP Class)	F-160LI
Filter Box for Long-Life Filter	2.0 (HP Class)	B-56LI
	2.5-3.0 (HP Class)	B-90LI
	4.0-6.0 (HP Class)	B-160LI
Long-Life Filter Kit/ Long-Life Filter	8.0-10.0 (HP Class)	F-280LI
MotioFilter Boxn Sensor	8.0-10.0 (HP Class)	B-280LI

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system, and is based on the JIS standard B8616.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length:7.5 metre		Piping Length:7.5 metre	
Piping Lift:0 metre		Piping Lift:0 metre	

2. The sound pressure level is based on following conditions. 1.5 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. 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 (High Pressure Setting1 - High Pressure Setting2)" values when a filter is not used. The sound pressure level is based on the Standard Pressure Setting.

MEDIUM ESP TYPE(MEDIUM EXTERNAL STATIC PRESSURE TYPE) NEW

(DC MOTOR TYPE) [RPIM-FSR]

Model			RPIM-0.8FSR	RPIM-1.0FSR	RPIM-1.5FSR	RPIM-2.0FSR	RPIM-2.5FSR	RPIM-3.0FSR	RPIM-4.0FSR	RPIM-5.0FSR	RPIM-6.0FSR
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]								
Nominal Cooling Capacity		kW	2.2	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Nominal Heating Capacity		kW	2.5	3.2	4.8	6.3	8.5	9.0	12.5	16.0	18.0
Sound Pressure Level (Overall A Scale)(Hi2/Hi/Me/Lo)		dB(A)	32/30/28/27	33/31/29/28	38/35/32/30	40/37/34/31	37/35/33/31	38/36/33/31	40/38/35/32	42/39/36/34	43/40/37/34
Sound Power Level (Overall A Scale)(Hi2/Hi/Me/Lo)		dB(A)	50/48/46/45	51/49/47/46	56/53/50/48	58/55/52/49	55/53/51/49	56/54/51/49	58/56/53/50	60/57/54/52	61/58/55/52
Outer Dimensions	H×W×D	mm	250×700×800	250×700×800	250×700×800	250×700×800	250×1,050×800	250×1,050×800	250×1,400×800	250×1,400×800	250×1,400×800
Net Weight		kg	26	26	27	27	36	36	44	44	44
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan	Air Flow Rate (Hi2/Hi/Me/Lo)	m^3/min (cfm)	8.5/7.5/ 6.5/5.5 (300/265/ 229/194)	9.5/8.5/ 7.5/6.5 (335/300/ 265/229)	13/11.5/ 10/8.5 (459/406/ 353/300)	14.5/13/ 11/9.5 (512/459/ 388/335)	18.5/16.5/ 14/12 (653/582/ 494/423)	20/17.5/ 15.5/13 (706/618/ 547/459)	30/26.5/ 23/20 (1,059/935/ 812/706)	33.5/29.5/ 26/22 (1,182/1,041/ 917/776)	36/31.5/ 27.5/24 (1270/1,112/ 970/847)
External Pressure (*3)		Pa	50(100-150)	50(100-150)	50(100-150)	50(100-150)	50(100-150)	50(100-150)	50(100-150)	50(100-150)	50(100-150)
Motor		W	157	157	157	157	190	190	259	259	259
Connections		m^3	Flare-Nut Connection (with Flare Nuts)								
Refrigerant Piping	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 Measurement		m^3	0.24	0.24	0.24	0.24	0.33	0.33	0.42	0.42	0.42

Receiver kit	Advanced	PC-ALHZ1
Motion Sensor		SOR-NEZ
Condensate Drain Pump Kit		- (included as standard equipment)
Antifungal Long-Life Filter	0.8-2.0 (HP Class)	F-56LI
	2.5-3.0 (HP Class)	F-90LI
	4.0-6.0 (HP Class)	F-160LI
Filter Box for Long-Life Filter	0.8-2.0 (HP Class)	B-56LI
	2.5-3.0 (HP Class)	B-90LI
	4.0-6.0 (HP Class)	B-160LI

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system, and is based on the JIS standard B8616.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length:7.5 metre		Piping Length:7.5 metre	
Piping Lift:0 metre		Piping Lift:0 metre	

2. The sound pressure level is based on following conditions. 1.5 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. 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 (High Pressure Setting1 - High Pressure Setting2)" values when a filter is not used. The sound pressure level is based on the Standard Pressure Setting.

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	Cooling	kW	8.4	9.0	11.2	14.2	16.0	22.4	28.0
	Heating	kW	9.6	10.0	13.0	16.3	18.0	25.0	31.5
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

NOTES:

1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length:7.5 metre		Piping Length:7.5 metre	
Piping Lift:0 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	Cooling	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	22.4	28.0
	Heating	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	25.0	31.5
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

NOTES:

1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length:7.5 metre		Piping Length:7.5 metre	
Piping Lift:0 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	Cooling	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3
	Heating	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5
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	Cooling	kW	7.1	8.4	9.0	11.2	14.2	16.0
	Heating	kW	8.5	9.6	10.0	13.0	16.3	18.0
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

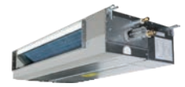
Air filter	0.8-1.5 (HP class)	KW-PP7Q
	1.8-2.5 (HP class)	KW-PP8Q
	3.0-4.0 (HP class)	KW-PP9Q
	5.0-6.0 (HP class)	KW-PP10Q

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
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   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	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	4.5	5.6	6.3	7.1	8.0
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

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
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   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	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	4.5	5.6	6.3	7.1	8.0
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

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
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   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

LARGER AIR VOLUME TYPE

(AC MOTOR TYPE) [RPI-FSN2SQ]

Model			RPI-3.0FSN2SQ	RPI-4.0FSN2SQ	RPI-5.0FSN2SQ	RPI-6.0FSN2SQ	RPI-7.0FSN2SQ
Indoor Unit Power Supply			AC 1 Φ, [220-240V/50Hz]				AC 1Φ, [240V/50Hz]
Nominal Cooling Capacity		kW	8.0	11.2	14.0	16.0	18.0
Nominal Heating Capacity		kW	9.0	12.5	16.0	18.0	20.0
Sound Pressure Level (Overall A Scale) (Hi/Me/Lo)	High Pressure Setting	dB(A)	46/44/40	48/45/41	49/46/43	53/49/45	51/47/42
	Standard Pressure Setting	dB(A)	45/43/39	47/44/40	48/45/42	52/48/44	-
Outer Dimensions	H×W×D	mm	350×1,076×800	350×1,076×800	350×1,300×800	350×1,300×800	440×1,430×550
Net Weight		kg	52	57	61	63	75
Refrigerant			R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate (Hi/Me/Lo)	High Pressure Setting	m^3/min (l/s)	29/26/20 (483/433/333)	36/33/25 (600/550/417)	47/43/34 (783/717/567)	56/50/40 (933/833/667)	65/57/46 (1,083/950/767)
	Standard Pressure Setting	m^3/min (l/s)	29/26/20 (483/433/333)	36/29/25 (600/483/417)	47/39/36 (783/650/600)	56/48/42 (933/800/700)	-
External Pressure (*1)		Pa	120 (70)	120 (70)	120 (70)	120 (70)	140
Motor Output		W	250	300	420	550	650
Connections			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	Condensate Drain		VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.49	0.49	0.57	0.57	0.54

Receiver kit	Basic	PC-RLH11
	Advanced	PC-ALHZ1

NOTE:

1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length: 7.5 metre Piping Lift: 0 metre		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. 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 or 2dB(A). 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. The data for external pressure (*1) indicates "High Pressure Setting (Standard Pressure Setting)" values when a filter is not used. The sound pressure level is based on the Standard Pressure Setting.

Cooling & Heating

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	Cooling	kW	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
	Heating	kW	3.2	4.8	6.3	8.5	9.0	12.5	16.0	18.0
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

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		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB 7.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	6.0°C WB
Piping Length:7.5 metre Piping Lift:0 metre		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.

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	Cooling	kW	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
	Heating	kW	3.2	4.8	6.3	8.5	9.0	12.5	16.0	18.0
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

NOTE:

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		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB (80.0°F DB) 19.0°C WB (66.2°F WB)	Indoor Air Inlet Temperature:	20.0°C DB (68.0°F DB)
Outdoor Air Inlet Temperature:	35.0°C DB (95.0°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		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.

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

ORIGINAL NEW


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



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	Cooling	kW	1.6	2.2	2.8	4.0	5.6	7.1
	Heating	kW	1.9	2.5	3.2	4.8	6.3	8.5
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
Receiver kit	Advanced	PC-ALHC1
Motion Sensor		SOR-NEC
Condensate Drain Pump Kit		- (Standard)
Duct Adapter		PD-75C

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 / 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   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 in consideration in the field.
3. RCIM-0.6FSRE cannot be connected to HNRQ series.
   Please refer to the technical catalogue for the details.

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	Cooling	kW	2.2	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
	Heating	kW	2.5	3.2	4.8	6.3	8.5	9.0	12.5	16.0	18.0
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 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 / 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   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 in 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	Cooling	kW	2.2	2.8	4.0	5.6	7.1	8.0
	Heating	kW	2.5	3.2	4.8	6.3	8.5	9.0
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 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 / 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length:7.5 metre
   Piping Lift:0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB / 6.0°C WB
   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 in consideration in the field.

GENERAL DATA & ACCESSORIES

WALL MOUNTED TYPE

(DC MOTOR TYPE) [RPK-FSRM, RPK-FSRHM]

NEW

Type			Expansion Valve built-in type							
Model			RPK-0.6FSRM	RPK-0.8FSRM	RPK-1.0FSRM	RPK-1.5FSRM	RPK-2.0FSRM	RPK-2.5FSRM	RPK-3.0FSRM	RPK-4.0FSRM
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Capacity	Cooling	kW	1.7	2.2	2.8	4.0	5.6	7.1	8.0	11.2
	Heating	kW	1.9	2.5	3.2	4.8	6.3	8.5	9.0	12.5
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	35/32/31/29	39/35/32/30	39/35/32/30	46/40/36/33	40/37/34/31	45/42/38/35	47/44/40/35	51/48/44/39
Color			White							
Outer Dimension	(H×W×D)	mm	300×790×230	300×790×230	300×790×230	300×900×230	300×1,100×260	300×1,100×260	300×1,100×260	300×1,100×260
Net Weight		kg	10	10	10	11	14.5	15	15	15
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	8/7.5/7/6	10/8/7/6.5	10/8/7/6.5	14/11/9/7.5	14.5/13/11/9.5	18.5/16.5/14/12	20/17.5/15.5/12.5	23/20/17.5/14.5
Motor			38	38	38	38	38	38	38	38
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	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	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	0.09	0.09	0.09	0.11	0.14	0.14	0.14	0.14
Accessory included			Wall Mounting Bracket							

Type			External Expansion Valve type			
Model			RPK-0.6FSRHM	RPK-0.8FSRHM	RPK-1.0FSRHM	RPK-1.5FSRHM
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz] [220V/60Hz]			
Nominal Capacity	Cooling	kW	1.7	2.2	2.8	4.0
	Heating	kW	1.9	2.5	3.2	4.8
Sound Pressure Level	(Hi2/Hi/Me/Lo)	dB(A)	35/32/31/29	39/35/32/30	39/35/32/30	46/40/36/33
Color			White			
Outer Dimension	(H×W×D)	mm	300×790×230	300×790×230	300×790×230	300×900×230
Net Weight		kg	10	10	10	11
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi2/Hi/Me/Lo)	m^3/min	8/7.5/7/6	10/8/7/6.5	10/8/7/6.5	14/11/9/7.5
Motor			38	38	38	38
Connections			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain			VP16	VP16	VP16	VP16
Approximate Packing Volume		m^3	0.09	0.09	0.09	0.11
Accessory included			Wall Mounting Bracket			

Receiver kit	Advanced		PC-ALHZ1
Strainer kit	FSRM: 0.6-2.0 (HP Class)		MSF-NP63A1
	FSRM: 2.5-4.0 (HP Class)		MSF-NP112A1
	FSRHM: 0.6-1.5 (HP Class)		MSF-NP36AH1
External Expansion Valve Kit	FSRHM		EV-1.5N1

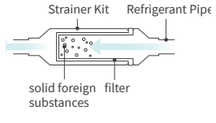
NOTES:

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		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length: 7.5 metre		Piping Length: 7.5 metre	
Piping Lift: 0 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 in 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

(AC MOTOR TYPE) [RPK-FSNQS]

Discontinued in 2021
Please consult your distributor for more detail

Model			RPK-0.8FSNQS	RPK-1.0FSNQS	RPK-1.3FSNQS	RPK-1.5FSNQS	RPK-1.8FSNQS	RPK-2.0FSNQS	RPK-2.3FSNQS
Indoor Unit Power Supply			AC 1Φ, [220-240V/50Hz]						
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3
	Heating	kW	2.5	3.3	4.0	4.5	5.6	6.3	7.1
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	38/36/32	38/36/32	40/36/34	41/38/36	42/39/35	42/39/35	45/42/39
Color			White						
Outer Dimension	(H×W×D)	mm	280×780×220	280×780×220	280×780×220	280×780×220	290×1,050×220	290×1,050×220	290×1,050×220
Net Weight		kg	10	10	10	10	12.5	12.5	12.5
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	8.5/7.5/6.5	8.5/7.5/6.5	9.2/7.5/6.7	10/8.5/7.5	12/10.3/8.7	12/10.3/8.7	13.7/12/10.3
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	Φ6.35
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP16	VP16	VP16	VP16	VP16	VP16	VP16
Approximate Packing Volume		m^3	0.12	0.12	0.12	0.12	0.15	0.15	0.15

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		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB (66.2°F WB)	Indoor Air Inlet Temperature:	20.0°C DB (68.0°F DB)
Outdoor Air Inlet Temperature:	35.0°C DB (95.0°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 Length:7.5 metre	
Piping Lift:0 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 in 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/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	Cooling	kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
	Heating	kW	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3
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 and heating capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0°C DB 19.0°C WB	Indoor Air Inlet Temperature:	20.0°C DB
Outdoor Air Inlet Temperature:	35.0°C DB	Outdoor Air Inlet Temperature:	7.0°C DB 6.0°C WB
Piping Length: 7.5 metre		Piping Length: 7.5 metre	
Piping Lift: 0 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 in 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.

GENERAL DATA & ACCESSORIES

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	Cooling	kW	4.0	5.6	7.1	8.0	11.2	14.0	16.0
	Heating	kW	4.8	6.3	8.5	9.0	12.5	16.0	18.0
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 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, 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C 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.

FLOOR EXPOSED TYPE
(AC MOTOR TYPE) [RPF-FSN2E]

Model			RPF-1.0FSN2E	RPF-1.5FSN2E	RPF-2.0FSN2E	RPF-2.5FSN2E
Indoor Unit Power Supply		Current	AC 1 Phase			
			[220-240V/50Hz] [220V/60Hz]			
Nominal Capacity	Cooling	kW	2.8	4.0	5.6	7.1
	Heating	kW	3.2	4.8	6.3	8.5
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	35/32/29	38/35/31	39/36/32	42/38/34
Color			Spring White			
Outer Dimension	(H×W×D)	mm	630×1,045×220	630×1,170×220	630×1,420×220	630×1,420×220
Net Weight		kg	25	28	33	34
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	8.5/7/6	12/10/09	16/14/11	16/14/11
Motor		W	20	28	45	45
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			Φ18.5 OD	Φ18.5 OD	Φ18.5 OD	Φ18.5 OD
Packaging Volume		m^3	0.22	0.24	0.29	0.29

Receiver kit	Advanced	PC-ALHZ1

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, 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   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.

FLOOR CONCEALED TYPE
(AC MOTOR TYPE) [RPFI-FSN2E]

Model			RPFI-1.0FSN2E	RPFI-1.5FSN2E	RPFI-2.0FSN2E	RPFI-2.5FSN2E
Indoor Unit Power Supply		Current	AC 1 Phase			
			[220-240V/50Hz] [220V/60Hz]			
Nominal Capacity	Cooling	kW	2.8	4.0	5.6	7.1
	Heating	kW	3.2	4.8	6.3	8.5
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	35/32/29	38/35/31	39/36/32	42/38/34
Outer Dimension	(H×W×D)	mm	620×848×220	620×973×220	620×1,223×220	620×1,223×220
Net Weight		kg	19	23	27	28
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m^3/min	8.5/7/6	12/10/09	16/14/11	16/14/11
Motor		W	20	28	45	45
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	0.22	0.23	0.25	0.25

Receiver kit	Advanced	PC-ALHZ1

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, 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   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.

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	Cooling	kW	2.8	4.3	5.6	7.1
	Heating	kW	3.3	4.9	6.5	8.5
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 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, 19.0°C WB
   Outdoor Air Inlet Temperature: 35.0°C DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0°C DB
   Outdoor Air Inlet Temperature: 7.0°C DB, 6.0°C WB
   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.

Ventilations

RENEW AIR

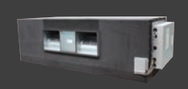
Today, the average person spends more than 75% of their day indoors; at home, at work, in the gym, shopping or socializing. Many of these environments are effectively sealed and fresh air isn't easily available

Without proper ventilation, CO2 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

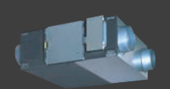
OUR LINE-UP

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)	165	250	350	500	670	800	870	1,000	1,080	1,680	2,100	3,000	4,020	4,980	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 220V/ 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 Heat Pump Type FSNS/FSNP Series						RAS-12FSNS/P	
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
Heating	Capacity	kW	13.7	13.7	21.9	21.9	24.5	24.5	26.8	26.8
	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, Heating: -7.0°C~15.0°C							

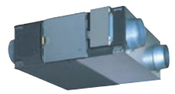
Model			RPI-16.0KFNQL		RPI-16.0KFNQH		RPI-20.0KFNQL		RPI-20.0KFNQH		RPI-20.0KFNQLF		RPI-20.0KFNQHF	
Power Supply			AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz	AC 3Φ 380-415V/ 50Hz	AC 3Φ 380V/ 60Hz
Connectable Outdoor Unit			RAS-16FSNS/P		RAS-16FSNS/P		RAS-20FSNS/P		RAS-20FSNS/P		RAS-20FSNS/P		RAS-20FSNS/P	
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
Heating	Capacity	kW	36.0	36.0	36.0	36.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
	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, Heating: -7.0°C~15.0°C											

NOTES:
1. Cooling capacity and heating capacity test in the following conditions:
   Cooling conditions: 33.0°CDB, 28.0°CWB, pipeline length 7.5 metre, pipe height difference 0 metre
   Heating conditions: 0°CDB, -2.9°CWB, pipeline length 7.5 metre, pipe height difference 0 metre (heating is the data without defrosting)
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 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%

8. When outdoor temperature is below 20.0°C in cooling operation, the system will be automatically converted to ventilation operation.
   When outdoor temperature is higher than 15.0°C in heating operation, it will be automatically converted to ventilation operation. When lower than -7.0°C, the fresh air processing unit will stop running.

TOTAL HEAT EXCHANGER



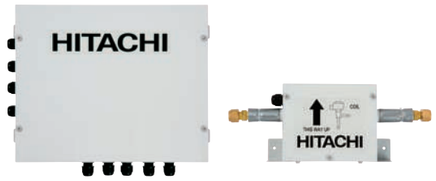
Model			KPI-2521	KPI-5021	KPI-8021	KPI-10021 (*1)
Unit Power Supply			AC 1Φ, [220-240V/50Hz]			
Air Flow Rate	(Hi/Me/Lo)	m^3/h	250/250/165	500/500/350	800/800/670	1,000/1,000/870
External Pressure	(Hi/Me/Lo)	Pa	65/40/20	150/60/30	140/100/70	160/100/80
Temp. Exchange Efficiency	(Hi/Me/Lo)	%	78/78/83	77/77/82	78/78/80.5	79/79/81
Enthalpy Exchange Efficiency	For Heating (Hi/Me/Lo)	%	69/69/74	67/67/73	71/71/73	70/70/73
	For Cooling (Hi/Me/Lo)	%	62.5/62.5/68	61.5/61.5/68	64.5/64.5/68	64.5/64.5/67
Sound Pressure Level (Over A Scale)	at 1.5m from the unit (under) (Hi/Me/Lo) (*2)(*4)	dB(A)	26.5-27.5/25-26/21-22	32.5-33.5/30-31/23.5-24.5	33.5-34.5/32-33/30-31	36-37/34-35/31.5-32.5
	at Air Outlet (Hi/Me/Lo) (*3)(*4)	dB(A)	33.5-34.5/32-33/26-27	40.5-41.5/38-39/29.5-30.5	44.5-45.5/43-44/40-41	47-48/45-46/41.5-42.5
Outer Dimensions	Height	mm	275	317	398	398
	Width	mm	735	1,016	1,004	1,231
	Depth	mm	780	888	1,164	1,164
Net Weight		kg	21	33	61	72
Connection Duct Diameter		mm	Φ150	Φ200	Φ250	Φ250

NOTES:
(*1): KPI-10021 has different units according to the applied power supply, 220-240V/50Hz.
(*2): The sound pressure level is based on following conditions.
1.5 metre beneath the unit and this data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
(*3): The noise at the air outlets is the values at a 45° angle, 1.5 metre in front of the unit.
(*4): The sound pressure level is based on the total heat exchange mode.
In case of the bypass ventilation mode, the sound pressure level increase by approximately 1 dB(A).

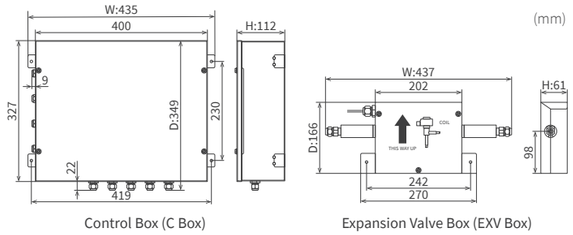
DX-KIT

Air Handling Unit Integration to Hitachi VRF

IMAGE



DIMENSIONS



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)					
	Heating		15.0°C to 27.0°C (DB)					
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)".

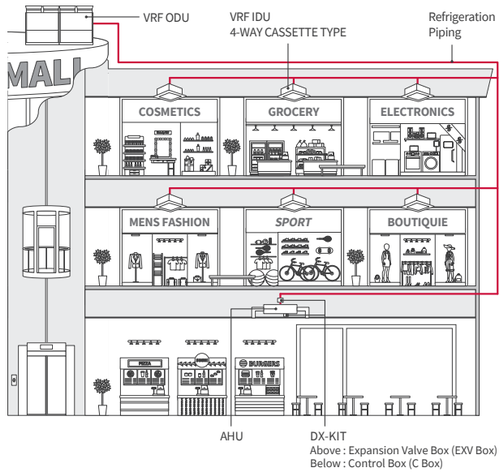
FEATURES AND BENEFITS

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

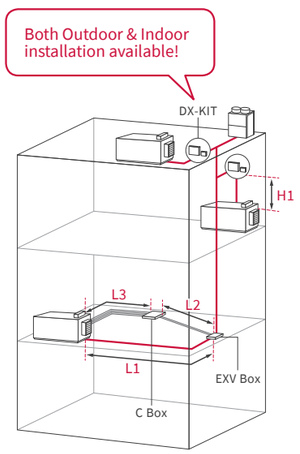
→ Our DX-Kit can cover from small to large capacity AHU
→ It can meet any requirement in any application



(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



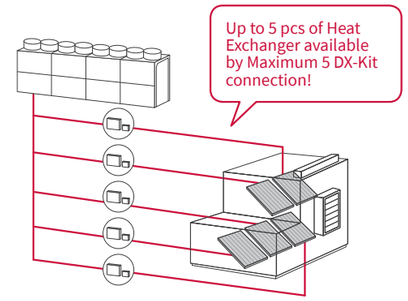
Item		Max (m)
Level difference between AHU Heat Exchanger and EXV Box	H1	2
Piping length between AHU Heat Exchanger and EXV Box	L1	5
Length of control wiring between AHU Heat Exchanger and EXV Box	L2	10
Length of the thermistor to AHU Heat Exchanger from C Box	L3	10

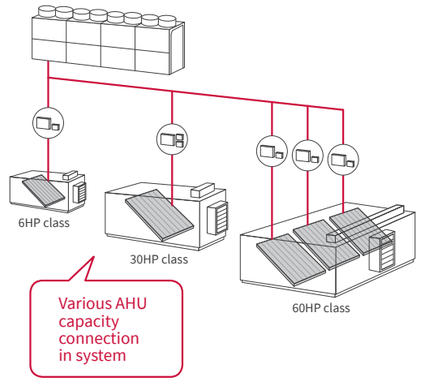
(3) Flexible configuration

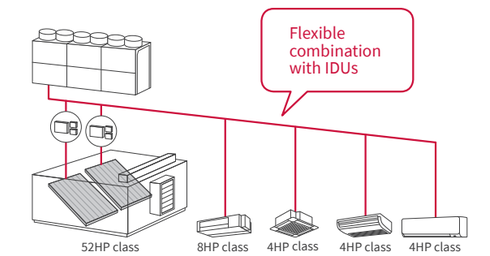
→ 1 Outdoor Unit(ODU) & 1 Air Handling Unit (AHU)
→ 1 ODU & 1 AHU (Separate Heat Exchanger Type)
→ 1 ODU & Multiple AHUs
→ 1 ODU & AHU & IDUs

[Example]

DX-KIT
Left: Control Box (C Box)
Right: Expansion Valve Box (EXV Box)







CONTROLLERS

Cooling & Heating

New generation: simple and smart!

Everyone deserves comfort, but comfort does not mean the same to everyone. That's why control is key.

Our controllers offer best-in-class simplicity. Using our appraised Central Stations, building managers can instantly optimize air conditioning in targeted zones. For occupants, our new Advanced Color controller provides intuitive navigation with a premium design.

With airCloud Pro, our exclusive new-generation solution, users can manage from one indoor unit to several systems remotely through IoT (web/smartphone).

CENTRALIZED CONTROLLERS

airCloud Pro (HC-IoTGW)

- Remote access by 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

Central Station EX (PSC-A128EX1)

- Centralized Controller installed in the monitoring room.
- With 15 units of Extension Adapter (PSC-AD128EX1), max 2,560 IDUs can be controlled
- With Energy Calculation Software (PSC-AS01EXC), it helps you to offer each tenant's energy calculation.
- Easy monitoring achieved by several monitoring features like layout plan
- Best option for middle-large size building
- Remote Access! Operate Central Station EX from your laptop PC or touch-panel PC.

Central Station EZ (PSC-A64GT)

- Max 64 Remote Controller Groups can be controlled & monitored
- Focusing on the monitor & control features
- 170mm×250mm body to fit in any wall space
- Best option for middle size building

Central Station EZ (PSC-A32MN)

- Max 32 Remote Controller Groups can be controlled & monitored
- Focusing on the monitor & control features
- 120mm×140mm body to fit in any wall space
- Best option for small size building

COMPARISON

			air Cloud Pro	CENTRAL STATION mini	CENTRAL STATION EZ	CENTRAL STATION EX
						
			HC-IoTGW	PSC-A32MN	PSC-A64GT	PSC-A128EX1
Capacity comparison	Total Connection capacity	RC group	64 (*6)	32	64	2,560 (*1)
		Group	64 (*6)	4	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 - Large	Small	Medium	Large
	Operation		Web + Mobile Phone	Touch screen	Touch screen	Touch screen + Web (New!)
Display	Operation panel size options		Adaptive	4	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
	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	-	-	-

(*1) One Extension Adapter (PSC-AD128EX1) enable CENTRAL STATION EX to control additional 160 RC groups /128 groups / 160 IDUs / 64 ODUs, and Central Station EX can connect up to 15 adapters.
(*2) No restriction on the number of H-LINK
(*3) Individual Function Control in Each Remote Controller is not applicable
(*4) Applicable only with Schedule function or external signal input
(*5) Main 5 functions mean 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 through one single screen on Web or Mobile Phone
(*7) Ability to create unlimited levels of groups, across multiple "HC-IoTGW" units within same project
(*8) Visualization of ODU energy consumption without needing to connect power meter
(*9) 4G available through optional 4G module; 4G module package come 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.

air Cloud Pro

[Gateway]

SPECIFICATIONS

Outer Dimensions (H×W×D)

(mm) 200.0×138.0×41.0

Gateway Model	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

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

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

EXAMPLE OF SYSTEM CONFIGURATION

RECOMMENDED FACILITIES (EXAMPLE)

FEATURES AND BENEFITS

Is airCloud Pro for me?

All VRF users can enjoy these benefits!

- Save energy
- Save time and unnecessary transportation
- Delegate administrators of VRF systems
- 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 previous Hitachi Variable Refrigerant Flow systems*1

Control is in your hands

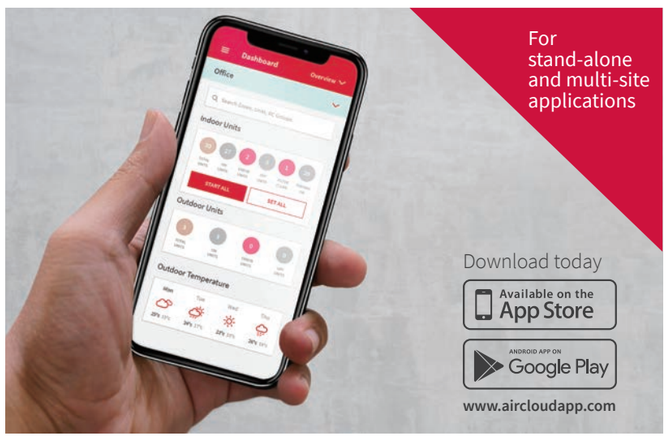
24/7 control at your fingertips on smartphone, tablet, or PC

✓ 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 simpler 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.

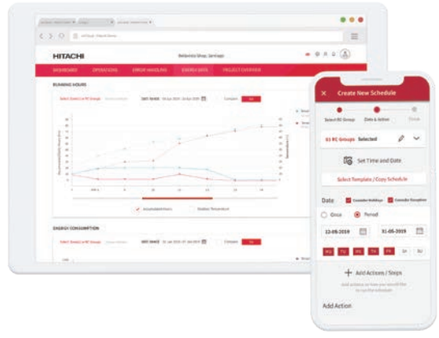
Save more energy

Monitor energy consumption and optimize usage.

Energy consumption data*2
Simple graphs 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 easy.

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

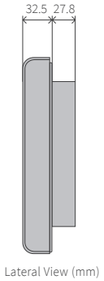
Best-in-class standards:
TLS.v1.2, HTTPS 2038 encryption

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

*1 Confirm compatibility of your VRF installation with your Hitachi Cooling & Heating representative.
*2 Functions not available as of September 2019, coming soon.
*3 4G module available as a side accessory.

CENTRAL STATION EX

FOR LARGE-SCALE BUILDINGS
PSC-A128EX1



Lateral View (mm)

Extension Adapter
PSC-AD128EX1

Energy Calculation Software*
PSC-AS01EXC
*Required only for calculating electricity

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

1) One Extension Adapter (PSC-AD128EX1) enable CENTRAL STATION EX to control additional 160 RC groups /128 groups / 160 IDUs / 64 ODUs, and Central Station EX can connect up to 15 adapters.
(*2) No restriction on the number of H-LINK

SPECIFICATIONS

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

For Middle-Large scale buildings such as hotels, educational facilities, or hospitals, our CENTRAL STATION EX features a highly intuitive and functional 12.1-inch wide, wall-mountable, colorful 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.

REMOTE ACCESS

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

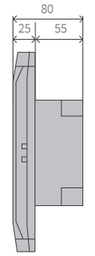
FUNCTIONS

Operation unit	All together Each area Each block Each group Each RC group
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 setting is available in 3 different [annual] [summer][winter] category → 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	Each of the following data of up to 2 years can be shown: • 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)) (For Heat mode: -1.0°C~-9.0°C (-1.0°F~-18.0°F)) • Mode shift (Mode shifted to Fan when in Cool/Dry mode, and shifted to Stop in Heat mode) • Capacity control on outdoor units • Lower noise control for outdoor units Control/Monitor → Controlled items: • Run/Stop • Mode (Cool/Heat) → Monitored items: • Run/Stop • Mode (Cool/Heat) • Alarm state Others • Power consumption signal input • Emergency stop

(*1) Some indoor units may not fully support all functions.
(*2) It is available for applicable outdoor units only.
(*3) There is a case that it cannot be shown in the screen, depending on the remote controller setting.

CENTRAL STATION EZ

FOR MEDIUM-SCALE BUILDINGS
PSC-A64GT



Lateral View (mm)

Easy control with 8.5 inch color touch panel, Its down-to-detail control functionalities, such as Weekly Scheduling, Accumulated Work Hours, etc., help you save energy. Up to 64 remote-controlled groups and up to 160 indoor units can be connected to this Centralized Controller, CENTRAL STATION EZ.

CAPACITY

RC group	64
Group	64
Block	4 Patterns
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

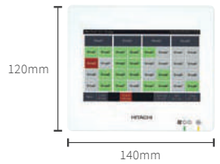
FUNCTIONS

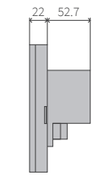
Monitor Function	• Run/Stop/Abnormality • Setting Temperature • RC Operation Prohibited Setting • Accumulated Operating Time • Operation Mode • Setting Fan Speed • Setting Louver • Filter Sign • Alarm Code
Control Function	• Run/Stop* • Fan Speed • Operation Mode • Louver • Temperature Setting • RC Operation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

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

CENTRAL STATION mini

FOR SMALL-SCALE BUILDINGS
PSC-A32MN





Lateral View (mm)

Most compact in our touch panel centralized controller. Its down-to-detail control functionalities, such as Weekly Scheduling, Accumulated Work Hours, etc., help you save energy. Up to 32 remote-controlled groups and up to 160 indoor units can be connected to this Centralized Controller, 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 Sign Reset

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

NEW Advanced Color wire remote controller (PC-ARFG)

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

Wired remote controller (HCWA10NEGQ)

- 88mm square controller with LCD screen
- Smaller body with multiple features
- Best option for spaces where users are limited, like office

Advanced Wireless remote controller (PC-AWR)

- Wireless remote controller with more features
- Several temperature setting units available; 0.5°C/1.0°C/1.0°F
- Best option for those who needs to control unit wherever, like home or hotel

Advanced wired remote controller (PC-ARF1)

- 120mm square controller with LCD screen
- Multiple saving-power features equipped
- Best option for spaces where users are limited, like office

Simplified Wired remote controller (PC-ARH1)

- Focusing on easy operation
- Mainly for temperature setting
- Best option for Hotels or Hospitals rooms many & unspecified users are expected to use it

Wireless remote controller (PC-LH7QE)

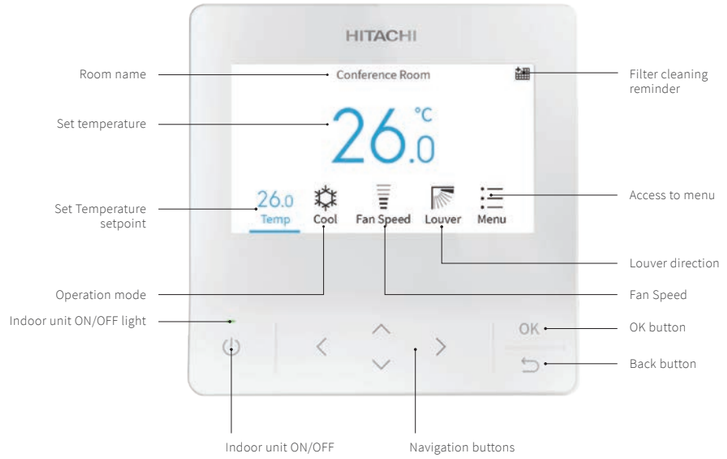
- Economic and limited features
- 1.0°C temperature unit only
- Best option for those who needs to control unit wherever, like home or hotel

COMPARISON

			ADVANCED COLOR WIRE 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 Sign		●	●	●	-	-	-
	Filter Sign Reset		●	●	●	-	●	●
	Louver Open/Close		●	●	-	-	-	-
	Room Name Setting		●	●	-	-	-	-
	Alarm Sign		●	●	●	●	-	-
	Identifying indoor units side-by-side		-	-	-	-	●	●
	Hotel mode		●	-	-	-	-	-
	Fan Speed at Thermo-Off (Cooling/Heating)		●	●(*7)	-	-	-	-
	Screen	Screen Adjustment	●	●	-	-	-	-
		Language	English, Japanese, Chinese (traditional & simplified), French, Spanish, Portuguese	English, French	-	-	-	-
		Temperature Unit_°C/°F (*5)	●	●	●	●(*5)	●	-
		Adjusting Brightness of Run Indicator	●	●	-	-	-	-
		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	●	●	-	-	-	-
		Thermistor Calibration	●	●(*7)	-	-	-	-
		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		●	●	●(*6)	-	-	-
	Lower Limit for Cooling Operation		●	●	●	●	-	-
	Upper Limit for Heating Operation		●	●	●	●	-	-
	Simple Timer (On/Off)		●	●	●	-	●	●
	Adjusting Date/Time Setting		●	●	●	-	-	-
	Automatic OFF Timer Setting		●	●	-	●	-	-
	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	Elevating Grille		●	●	-	-	-	-
	ODU Night Quiet Mode		●	●	-	-	-	-
	AutoBoost (quick function)		●	●	-	-	-	-
	Comfort Setting	Control Cool Air (GentleCool)	●	●	-	-	-	-
		Direct/Indirect louver direction in COOL	●	●	-	-	-	-
		Direct/Indirect louver direction in HEAT	●	●	-	-	-	-
		Radiant Sensor Control for Heating	-	●	-	-	-	-
		FeetWarm air flow control	●	-	-	-	-	-
		FloorSense Cool air flow control	●	-	-	-	-	-
	Power Saving/Night Quiet Schedule		●	●	-	-	-	-
	Filter Cleaning		●	●	-	-	-	-
	FrostWash Setting		●	-	-	-	-	-
	Daylight Saving Time		●	●	-	-	-	-
	Setback (Hotel Temperature Setback)		●	●	-	-	-	-
	Power Consumption visualization		●	●	-	-	-	-

(*1) All 16 indoor units need to be connected with transition wire.
(*2) Availability depends on the indoor unit type connected to the each individual controllers. Please consult your distributors for more details.
(*3) 6 taps is available for Ducted indoor unit, compact type, RPIZ-HNDTSQ only.
(*4) Indicated temperature can be selected from two options, the thermistor in the indoor unit or in the individual controller.
(*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

ADVANCED COLOR WIRE REMOTE CONTROLLER PC-ARFG NEW



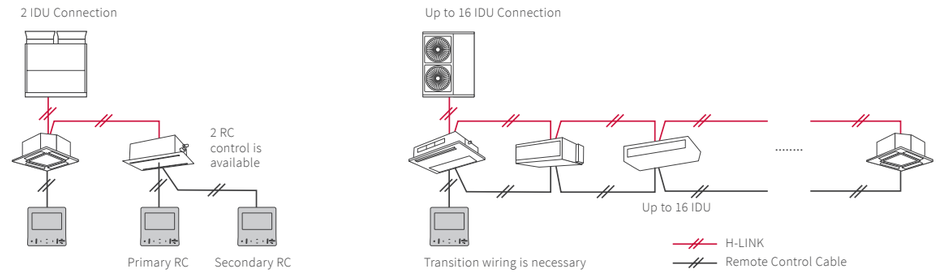
SPECIFICATIONS

Outer Dimensions (H×W×D)

121×120×16.5mm (Thinnest part)

121×120×21.5mm (Thickest part)

EXAMPLE OF SYSTEM CONFIGURATION



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
	FrostWash Setting
	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/heating 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
	Check PCB of the Units
	Self Check

Auto mode
(Color: Sand)

EUROPEAN PRODUCT DESIGN AWARD

Outstanding aesthetics and user experience

Our new Advanced Color controller offers elegance, ease of use, and sleek award-winning design.
A simplified, intuitive and colorful menu makes controlling your ideal climate a breeze.

Cooling mode
(Color: Warm Blue)

Heating mode
(Color: Warm Orange)

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.

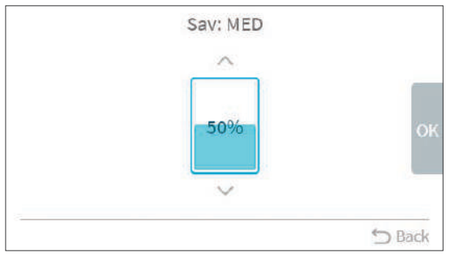
Functions include GentleCool, which controls the discharged air temperature for a smooth cooling down and prevents cold drafts. AutoBoost activates for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster with a powerful automatic mode.

AC scheduling is easier than ever, thanks to flexible options such as a holiday calendar.

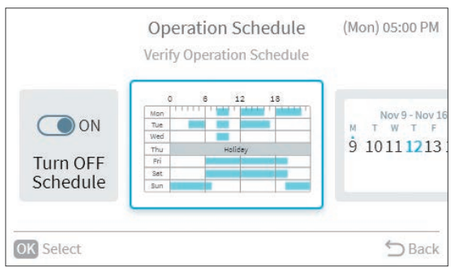
Save even more energy with power saving functions for VRF system operators. Cut peak capacity, rotate the thermal operation of indoor units, and use Hitachi's dedicated power saving schedule to match your utility tariffs plan.

Additional functions

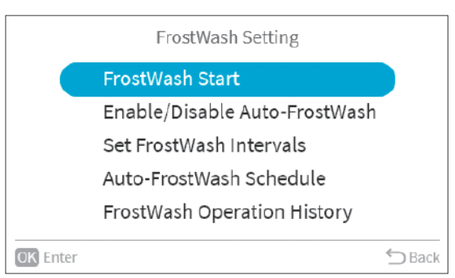
- Activate, schedule and check the history of indoor units' FrostWash™ function
- Minimize outdoor unit's noise at night with the schedulable quiet mode
- Hotel mode display provides quick access to the most popular AC functions for guests, including language selection



Capacity control setting

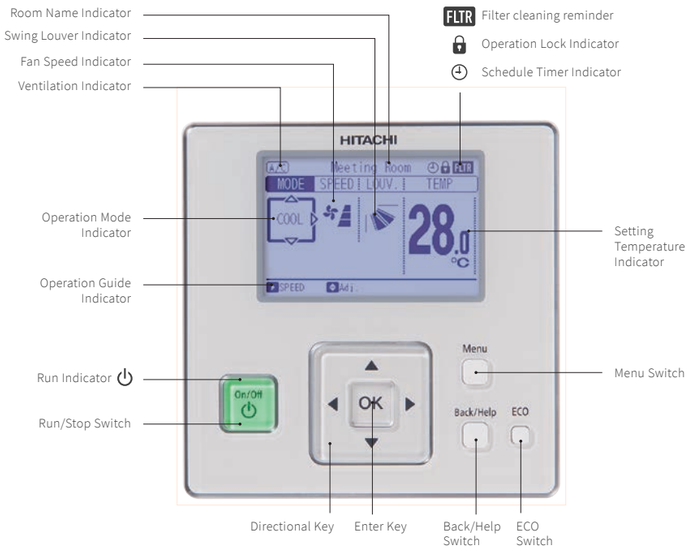


Schedule menu



FrostWash™ menu

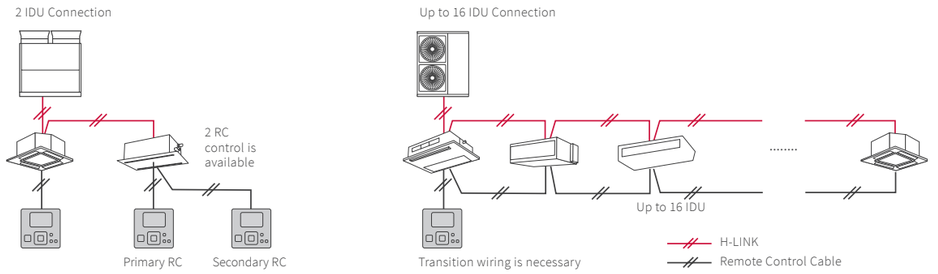
ADVANCED WIRED REMOTE CONTROLLER PC-ARF1



SPECIFICATIONS

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

EXAMPLE OF SYSTEM CONFIGURATION



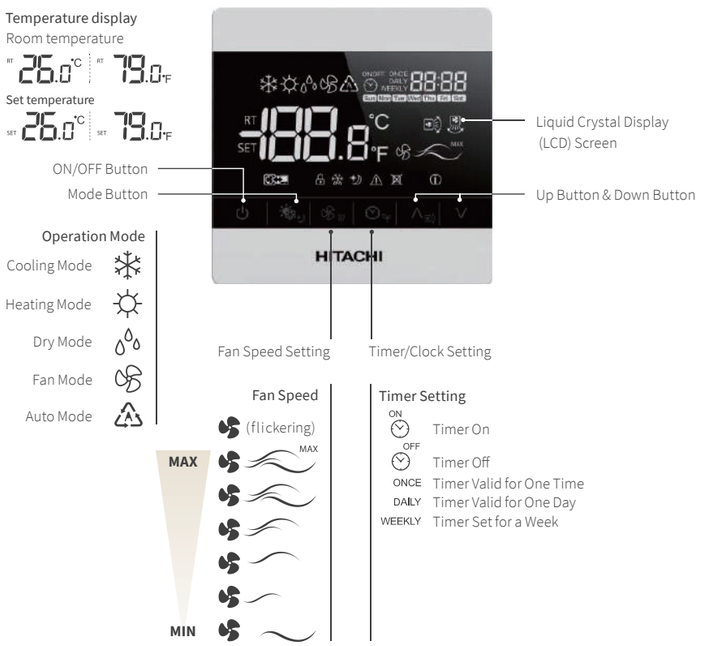
FUNCTIONS

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 /Heating)
		Temperature Indication
Service		Filter Sign
		Filter Sign 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
	Upper Limit for Heating Operation
	Lower Limit for Cooling Operation
	Power Consumption Visualization
Schedule	Weekly Schedule
	Settable Timer Operation Times (per day): 5
	Holiday Setting
	Schedule On/Off
	ODU Noise Reduction Schedule

WIRED REMOTE CONTROLLER HCWA10NEGQ



SPECIFICATIONS

Outer Dimensions (H×W×D)

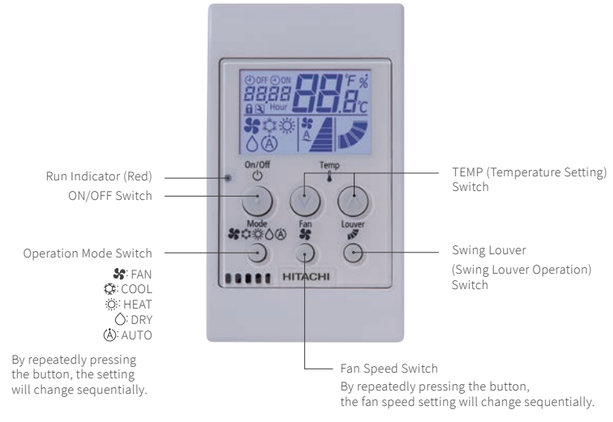
(mm) 88.0×88.0×15.5

FUNCTIONS

Setting	Run/Stop
	Operation Mode
	Auto Mode
	Temperature Setting Rate_0.5°C/1.0°C/1.0°F
	Temperature Unit_°C/°F
	Fan Speed_3/4/6 taps
	Louver Direction
	Individual Louver Setting
Service	Filter Sign
	Filter Sign Reset
	Alarm Sign
	Alarm Sign History
Schedule & Management	Daily Timer
	Weekly Timer
	Main-sub Control
	Operation Lock

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



SPECIFICATIONS

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

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

ADVANCED WIRELESS REMOTE CONTROLLER PC-AWR

SPECIFICATIONS

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
	Identifying indoor units side-by-side
	Temperature Unit_°C/°F
Schedule	Built-in Timer (On/Off)

WIRELESS REMOTE CONTROLLER PC-LH7QE

SPECIFICATIONS

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	Identifying indoor units side-by-side
	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 (AC Motor)	Floor / Ceiling Convertible	Floor Concealed
	RPI-HNAUNQ RPI-FSNQ	RPIM-HNAUNQ RPI-FSN3Q	RPIL-HNAUNQ	RPIZ-HNATNQ	RPIZ-HNDTSQ	RPI-FSN2SQ	RPK-FSNQS	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)	PC-ALHD1 (Advanced)	PC-ALHS1 (Advanced)	PC-ALHP1 (Advanced)	PC-ALHZ1 (Advanced)				
Indoor unit	4-way Cassette	4-way 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	RCD-FSR	RCS-FSR	RPC-FSR	RPK-FSRM RPK-FSRHM	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 you use basic receiver kit (PC-RLH11 or HR4A10NEWQ) equipped with wireless remote controller (PC-LH7QE)
1) It is not available to set up "remote control switch operation prohibited by each function setting" from central station (mini/EZ/EX)
2) It is not available to set up "remote control switch temperature setting range limitation function" from central station (mini/EZ/EX)

3P CONNECTOR CABLE

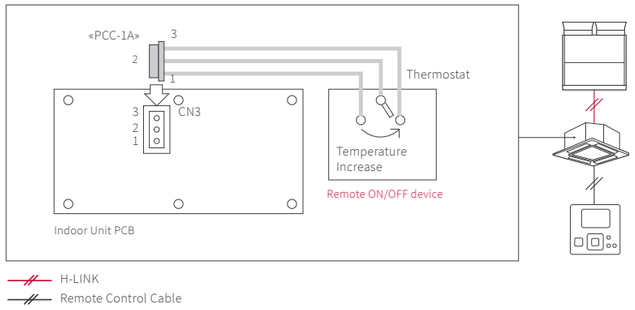
PCC-1A
(For Connection to Remote On/Off Device/Receipt of Output Signal)

*One set contains five 3P connector cables.
*PCC-1A can connect to external signal input-output terminal both in Outdoor Unit and Indoor Unit.

Operation «example»
Cooling Operation:
Compressor is ON by closing terminals 2 and 3 of CN3
Compressor is OFF by opening terminals 2 and 3 of CN3

Heating Operation:
Compressor is ON by closing terminals 1 and 2 of CN3
Compressor is OFF by opening terminals 1 and 2 of CN3

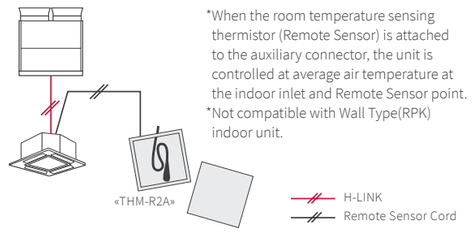
EXAMPLE OF SYSTEMCONFIGURATION



REMOTE SENSOR

THM-R2A
(To sense the indoor temperature)

EXAMPLE OF SYSTEM CONFIGURATION



*When the room temperature sensing thermistor (Remote Sensor) is attached to the auxiliary connector, the unit is controlled at average air temperature at the indoor inlet and Remote Sensor point.
*Not compatible with Wall Type(RPK) indoor unit.

SPECIFICATIONS

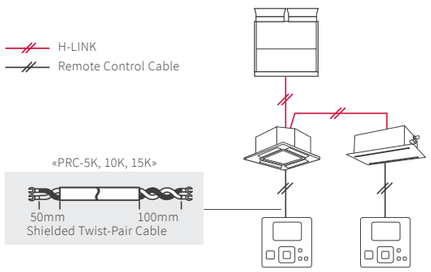
Outer Dimensions (H×W×D)
(mm) 50.0×50.0×15.0

Length	m	8.00

REMOTE CONTROL CABLE

PRC-5K, 10K, 15K
(For PC-ARFG & PC-ARF1 connection (to IDU))

EXAMPLE OF SYSTEM CONFIGURATION



*PC-ARFG & PC-ARF1 does not include a remote control cable.
Use this cable if you don't have one available in your field.

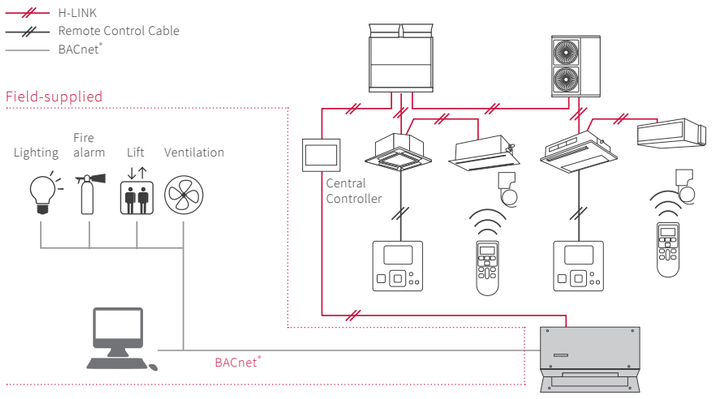
SPECIFICATIONS

		PRC-5K	PRC-10K	PRC-15K
Length	m	5.00	10.00	15.00

BMS ADAPTER for BACnet®

HC-A64BNP1
Control up to 64 Indoor Units

EXAMPLE OF SYSTEM CONFIGURATION



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) • Prohibiting RC Operation (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 Sign • Indoor Air Intake Temperature • Alarm Signal • Alarm Code • Communication State

H-LINK

WHAT IS H-LINK?

H-LINK is a "Hitachi" original communication system that can be used to control multiple outdoor and indoor units from one control point. Its use assists installers and service engineers by simplifying commissioning and service maintenance. 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.

ADVANTAGES

1. A multi air conditioner for a building and a package air conditioner for a store or office. It can be used with a home air conditioner.
2. There are no restrictions on the delivery route or order for wiring.
3. Just connect to a terminal block. (An adapter and a dedicated connector are not necessary.)

RECOMMENDED FACILITIES (EXAMPLE)

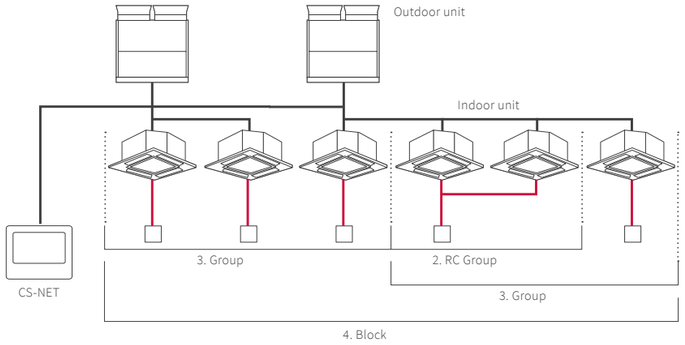
Educational institutions such as primary schools where installation work cannot be performed on weekdays.

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.

DEFINITION OF TERMS IN HITACHI CENTRALIZED CONTROL SYSTEMS

1. CS-Net/Central Station
   → Hitachi original central 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 central controller network setting.
4. Block
   → Stands for the multiple "groups" that are registered in the central controller network setting.

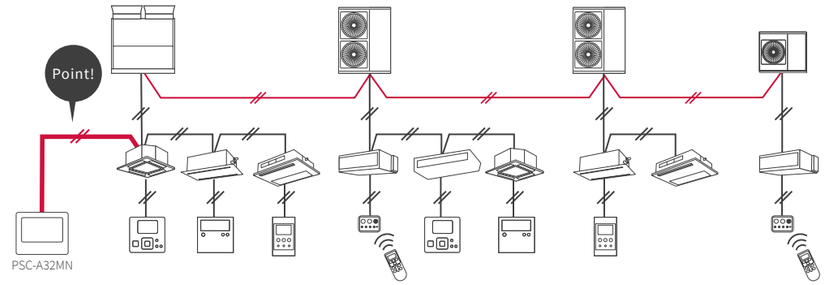


POINT

Flexible Wiring Routes

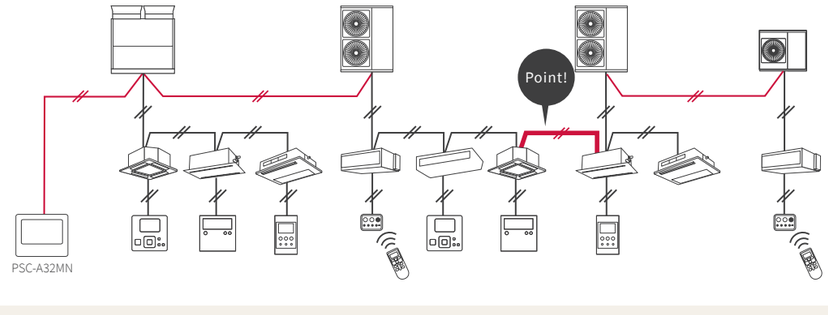
(1) If indoor units are located in one place and the indoor unit to be controlled is in the room where “concentrated control” is installed

→ Overall control is possible by connecting “concentrated control” to the indoor unit.
→ Delivery distance can be greatly reduced.



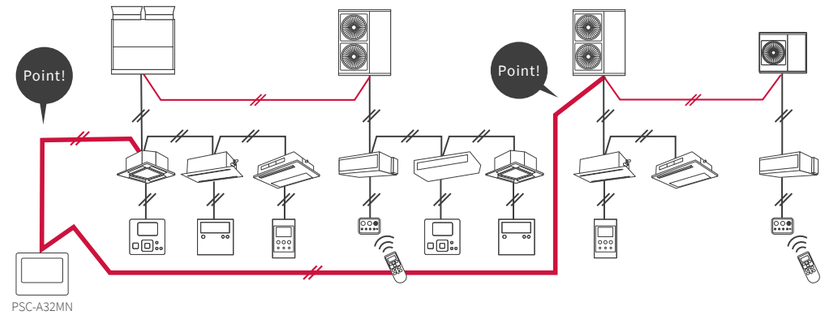
(2) If indoor units are located in two places and any indoor units of each system are located close together

→ Overall control is possible by connecting part of the indoor units of each system.
→ Delivery distance can be greatly reduced.



(3) If two systems are completely separated

→ Overall control is possible by separately connecting the two systems to “concentrated control.”
→ It is possible to select a wiring route based on the wiring distance and the ease of installation.



(4) If indoor units are located discretely

→ Overall control is possible by connecting indoor units.
→ Installation is possible through indoor wiring only without outdoor wiring.