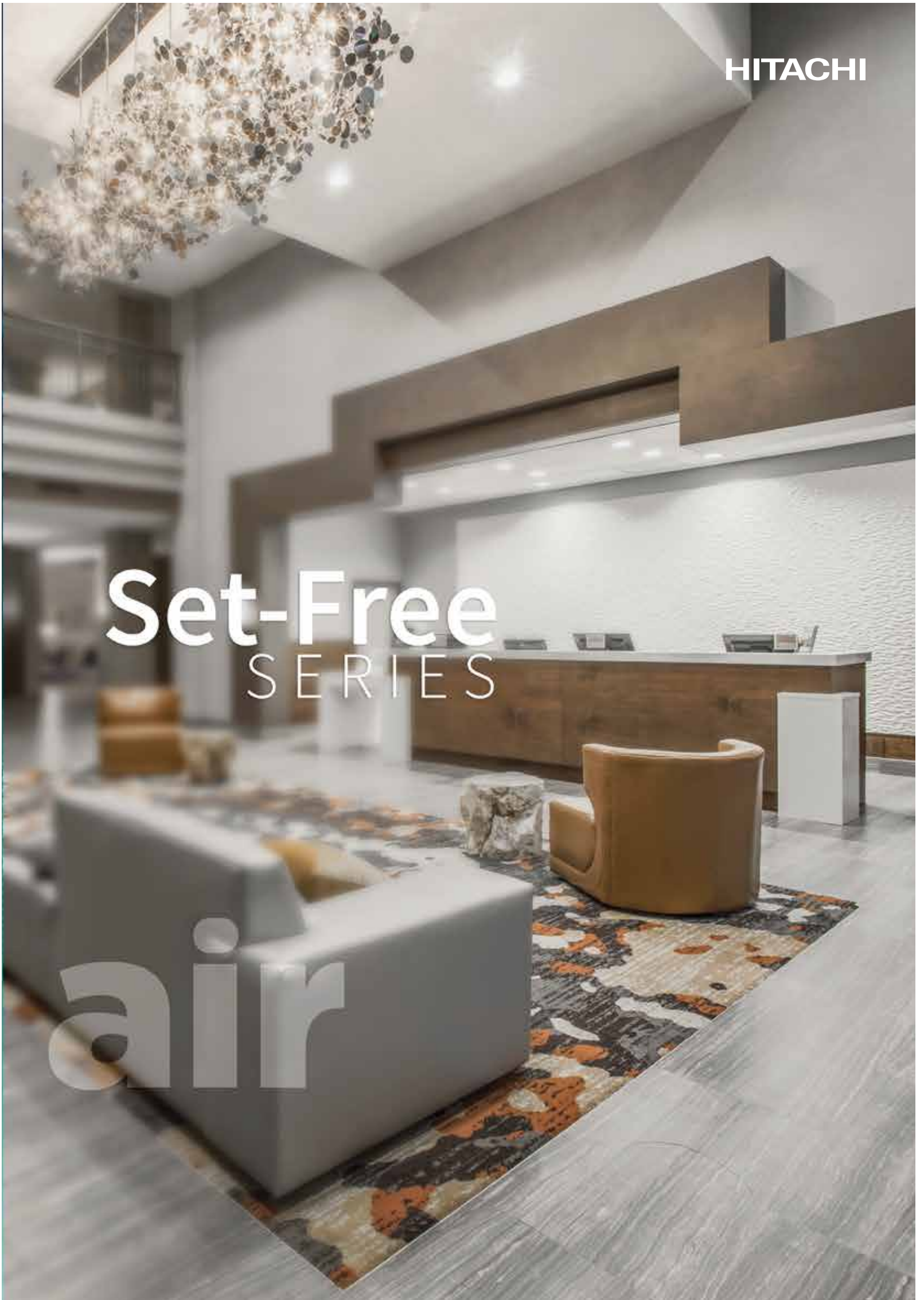


HITACHI

Set-Free SERIES

air



The Future of Air Conditioning is Here

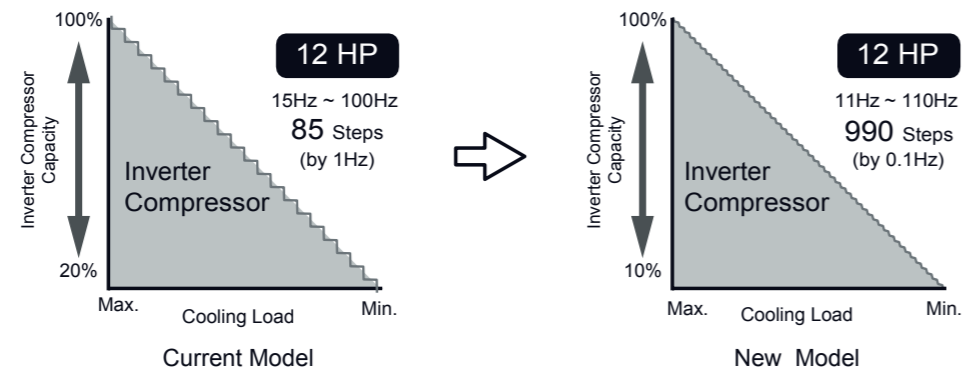
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Advanced Technologies

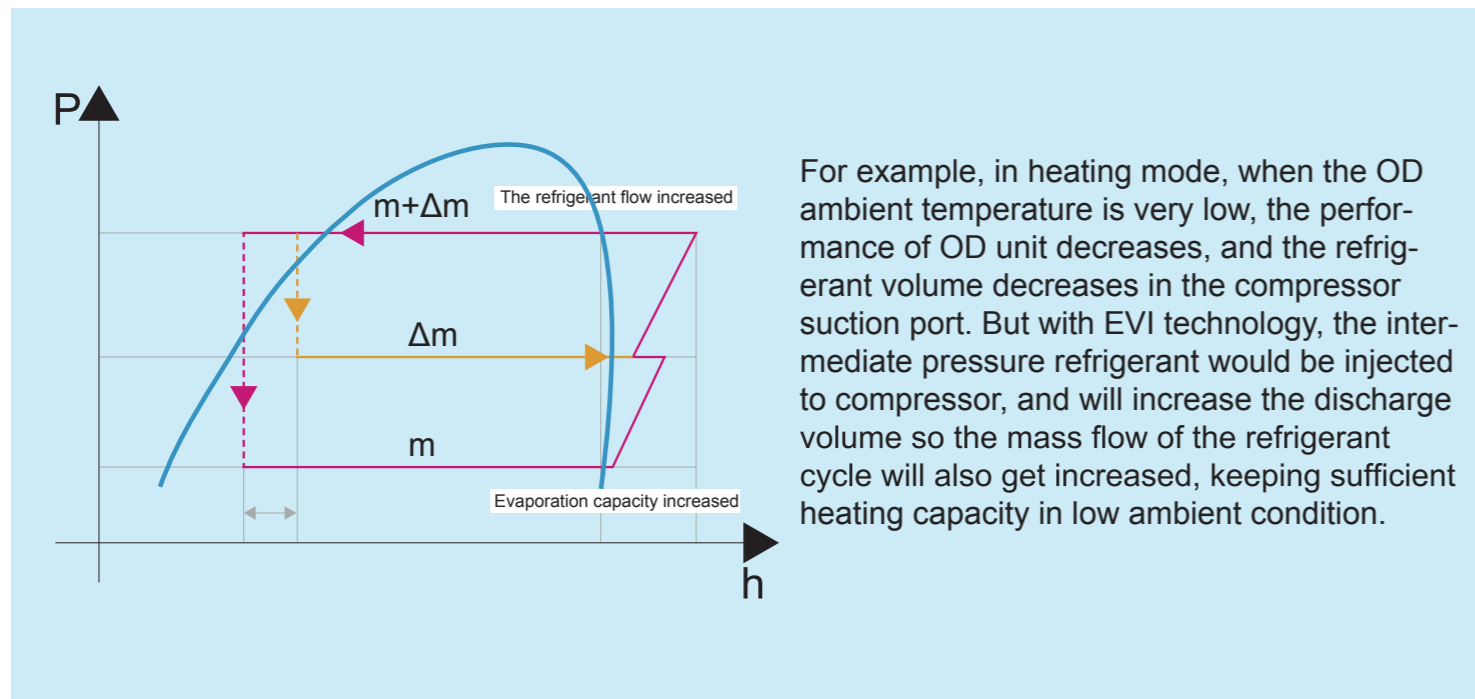
- Capacity Control by 0.1Hz

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



- Wide Working Range for Cooling Operation

Type	Current Model	New Model
HNCTQ series	43°C	52°C(*)



(2) Energy Saving Technology

Bell-mouth

<Long Bell-mouth Structure>
Create smooth air flow and reduce fan input by adopting multi-stage enhanced structure.

Long Blade Propeller Fan
Multi-stage Enhanced Structure
Smooth air flow by distributing multipolar vortex.

Long Bell-mouth
Suppress leakage and effectively operate in wide range.

Compressor

<Improve Compressor Efficiency at Low Load Operation>
Optimize oil rate by improving oil distribution to the compressor and expand operation range at low load operation

Efficiency of Compressor (image)

Heat Exchanger

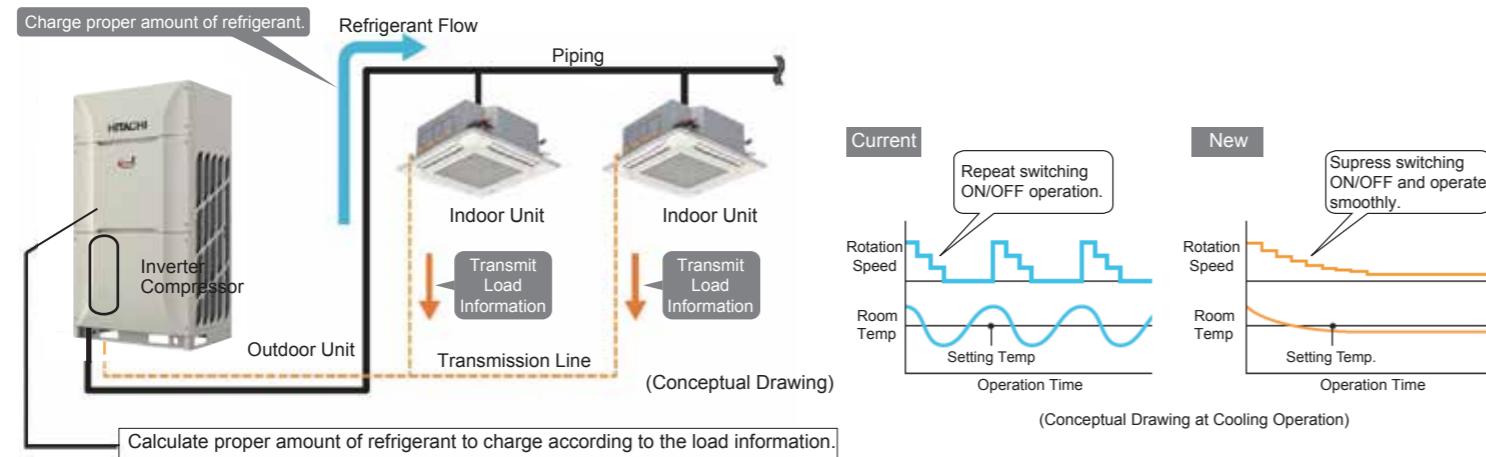
<Σ Shape Heat Exchanger>
(≥14HP)
Adopt two fan structure for improve efficiency at low load operation. Adopt Σ shape heat exchanger to maximize the effect of the two fan structure for better energy saving.

OPERATION CONTROL

Smooth Drive Control System:

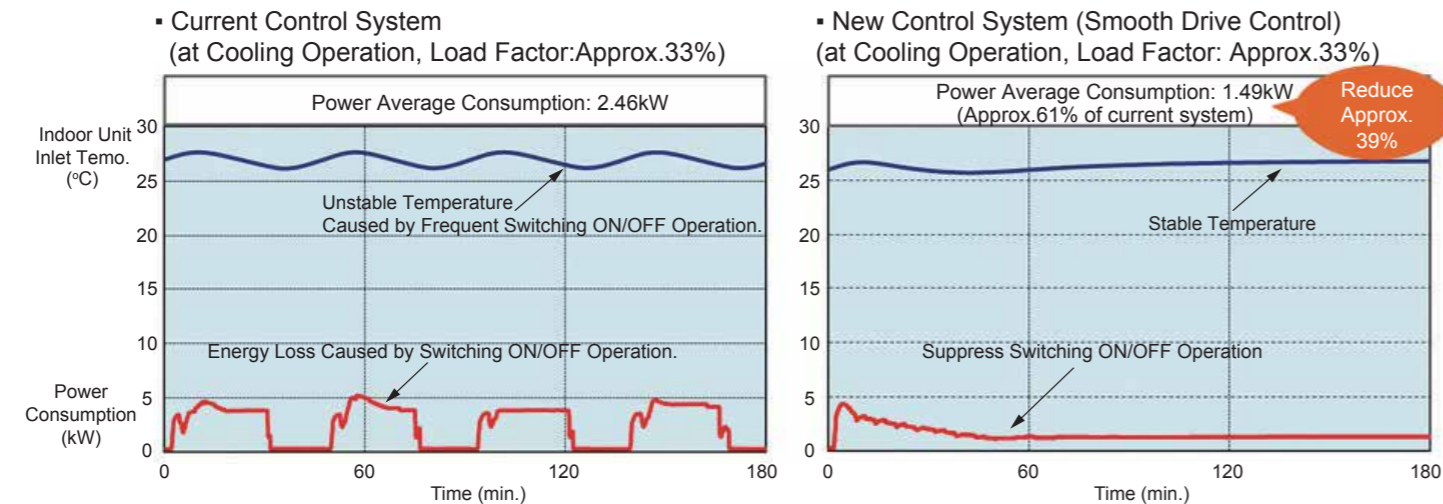
Calculate the amount of refrigerant to charge based on the load information from the indoor units. Control inverter compressor rotation speed and charge proper amount of refrigerant to indoor unit at each loading condition. Suppress compressor switching ON/OFF at low load operation for better energy efficiency with smooth operation.

◆ Concept of Smooth Drive Control



Verification Result of Energy Saving Effect from Smooth Drive Control

The verification result of energy saving effect at part load testing chamber is shown below. The “Smooth Drive Control System” suppress the compressor switching ON/OFF operation and keep room temperature stable. The reduction of power consumption has been verified.

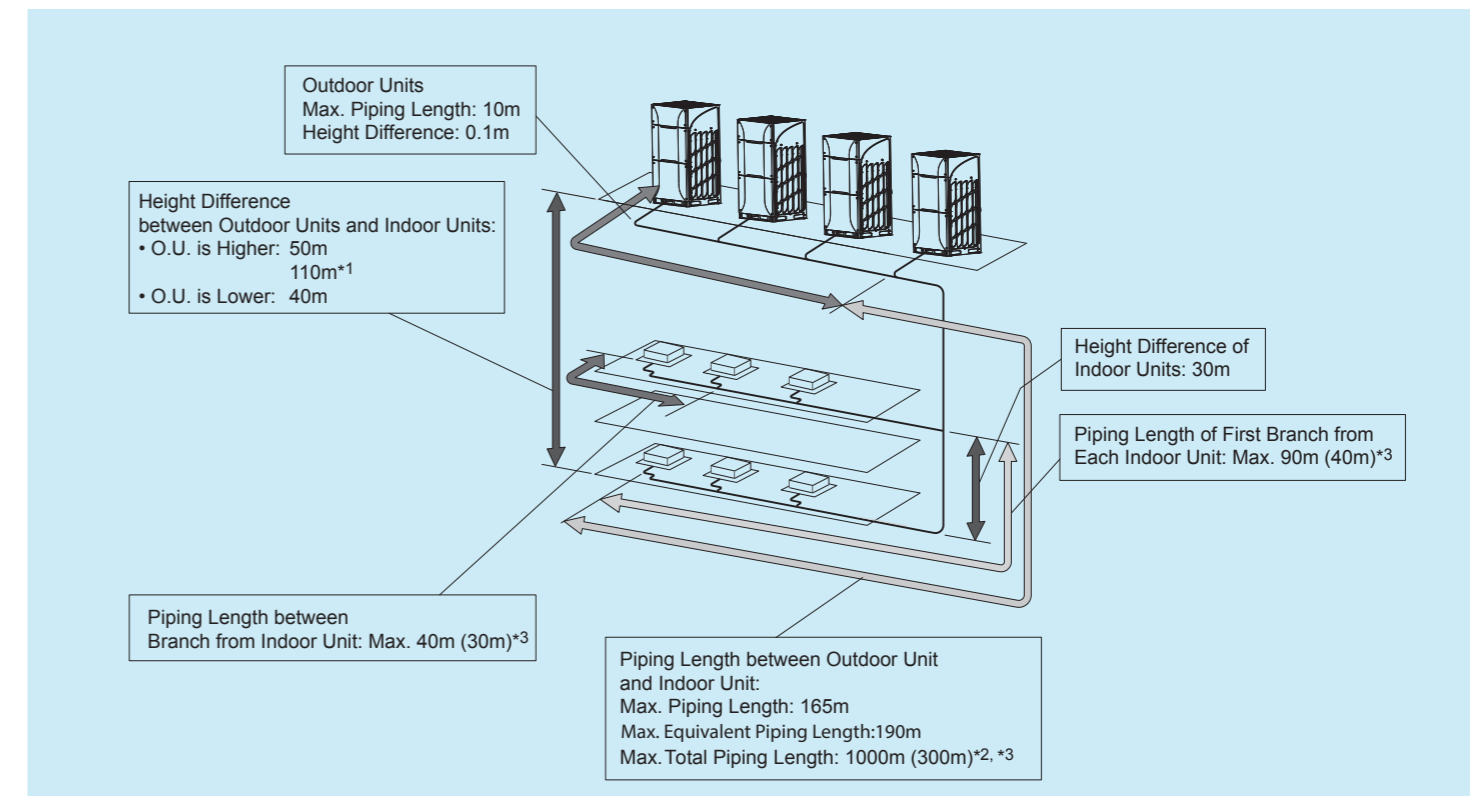


Flexibility of Facility Design

Improvement of Piping Installation

Height difference between the outdoor units and indoor units and height difference between the indoor units have been changed as shown below.

Item	Heat Pump System	
	HNBCTQ	
Height Difference between Outdoor Units and Indoor Units	Outdoor Unit is Higher	NEW ≤50m / ≤110m (*1)
	Outdoor Unit is Lower	≤ 40m
Height Difference between Indoor Units		≤ 30m



NOTES:

*1: When the height difference between indoor and outdoor units is greater than 50m (8-54HP: up to 110m, 56-96HP: up to 90m), contact your local dealer or distributor.

*2: Allowable total piping length may not exceed 1000m because of the limitation of maximum additional refrigerant amount as described in the following table. make sure that the additional refrigerant volume does not exceed the maximum additional amount as shown below.

HP	8 to 10	12	14 to 24	26 to 66	68 to 88	90 to 96
Max. Additional Refrigerant Charge (kg)	28	36	40	63	73	93

If the system is used in cold areas (where ambient temperature below -10°C) or high heat load environment, total capacity of the indoor units should be less than the total capacity of outdoor unit, and the total pipe length should be less than 300m.

3: If the piping length exceeds figure in (), the connectable indoor units number should be less than recommended number.

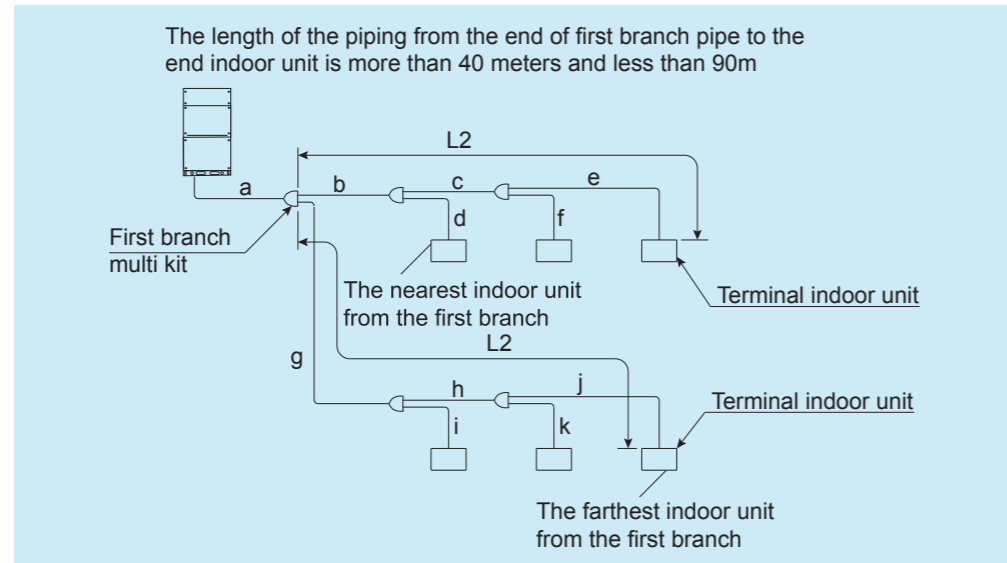
■ Limitation of piping branch

If the length of the pipe from the first branch pipe to the farthest indoor unit is more than 40m, follow the following conditions during installation:

Example 1:

In case of that the piping length L2 from 1st branch pipe to the farthest indoor unit exceeds 40m, perform the construction following the conditions as below:

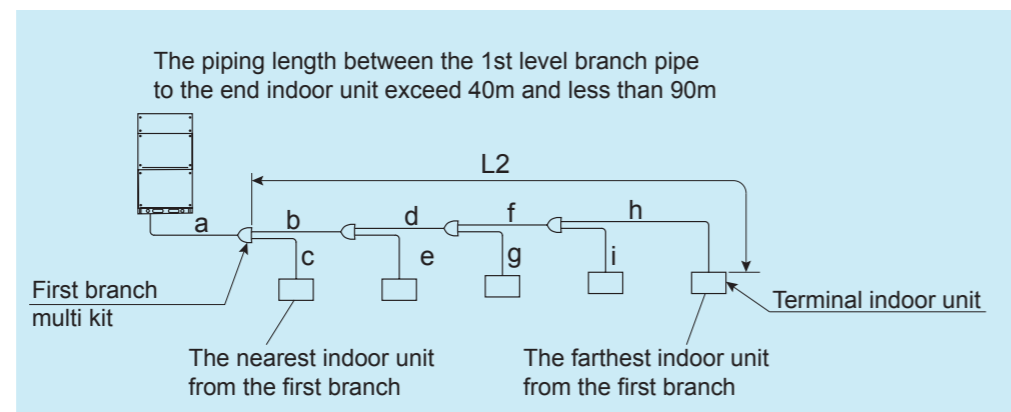
- (1) When the piping distance L2 exceeds 40m, the b, c or g, h and the piping diameters of the gas and liquid side are all required to be enlarged by one gauge through the adapter. If you increase the diameter and a diameter is less than b and g, then increase a diameter to be as the same as b and g.
- (2) Piping length difference between piping from farthest indoor unit to the first branch and piping from nearest indoor unit to the first branch pipe should be less than 40m.
 $(g + h + j) - (b + d) \leq 40m$.



Example 2:

From the first branch of the main sub-manifold to the end indoor unit piping length of more than 40m and less than 90m:

- (1) When the piping distance L2 exceeds 40m, the pipe diameter of the b, d, f gas and the liquid side is enlarged by one gauge through adaptor. By increasing the diameter, if a diameter is less than b, then increase a to match with b.



Wide Range of Indoor Unit Connection

The number of connectable indoor units with HNCTQ series outdoor unit is as follows.

Comply with the condition as follows during installation.

Maximum Number of Connectable Indoor Units and Range of Combination Capacity

Outdoor Unit Capacity (HP)	8	10	12	14	16, 18	20	22	24	26	28	30	32	34	36	38 - 96
Range of Combination Capacity	50% to 130%														
Connectable Indoor Units Q'ty	13	16	19	23	26	33	36	40	43	47	50	53	56	59	64
Recommended Connectable Indoor Units Q'ty	8	10	16	18	20	26	32					38			

3. Installation Flexibility for Expand External Static Pressure

For installation spaces such as a balcony or a floor where an external static pressure such as a louver or a duct is required to secure, the 3 steps external static pressure (80Pa, 60Pa and 30Pa) by the dip switch setting (DSW8) is adopted.

Setting for External Static Pressure	DSW8		
	#1	#2	#3
0Pa	OFF	OFF	OFF
Max.30Pa	ON	OFF	OFF
Max.60Pa	OFF	ON	OFF
Max.80Pa	ON	ON	OFF

Case that Open Space is Louver

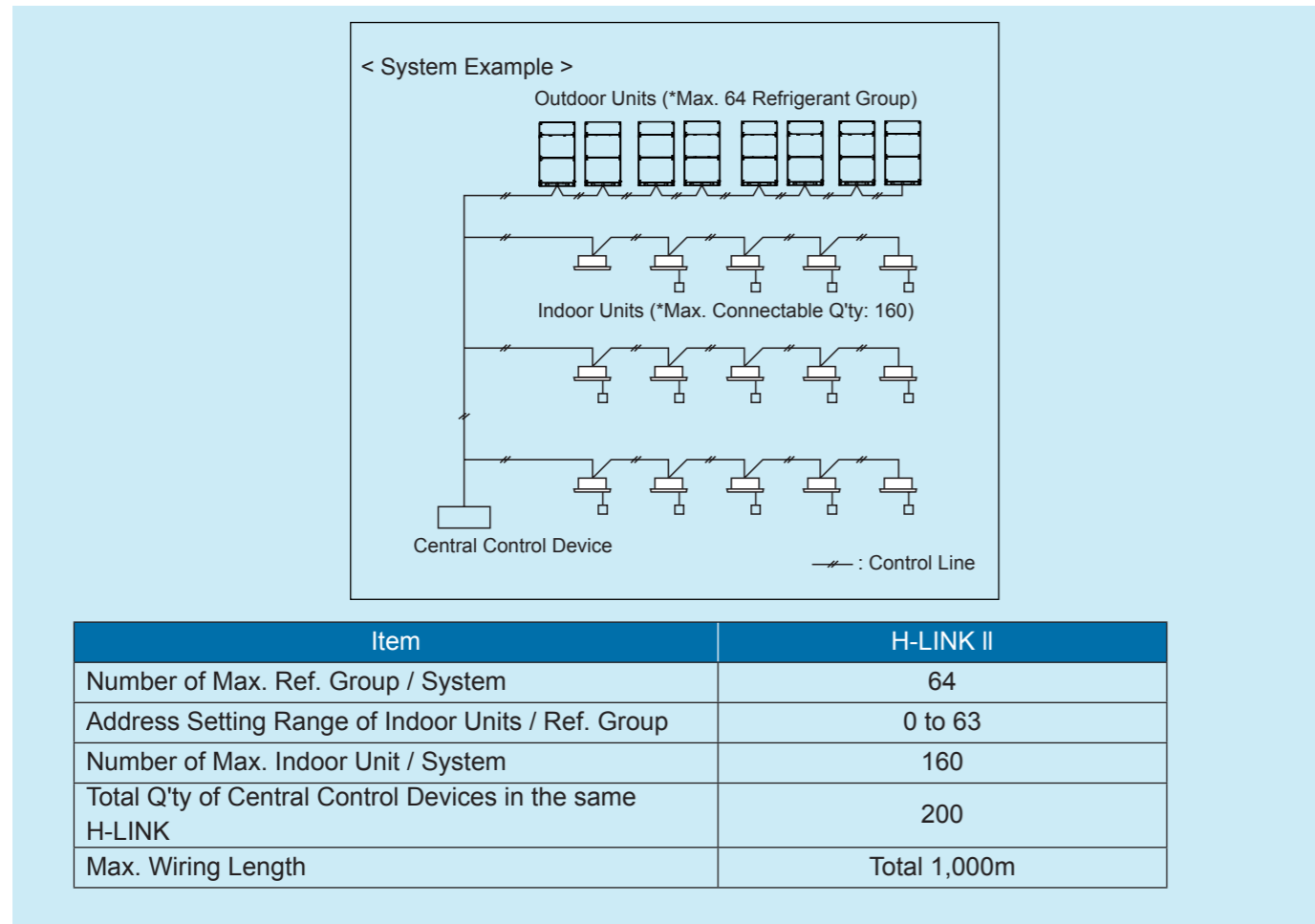
Case that Open Space is Wall

NOTES

1. Pay attention to the following case at the design and the installation. If the outlet air intakes by short-circuit, the operation range is limited due to increasing high pressure in the cooling operation or decreasing low pressure in the heating operation so that may cause failure of unit.
2. (*): Air outlet duct kit is field supply.

Corresponding to H-LINK II System

This HNCTQ Series VRF Air Conditioning System series outdoor units corresponds to the H-LINK II transmission system. Maximum 64 refrigerant systems and maximum 160 indoor units can be controlled by only one central control device when the equipments (central control device, indoor units, remote control switch) in the same transmission system all correspond to H-LINK II.



■ H-LINK II System

The H-LINK II wiring system requires only two transmission wires to connect each indoor unit and outdoor unit for up to 64 refrigerant cycles, and to connect wires for all indoor units and outdoor units.

<Specifications>

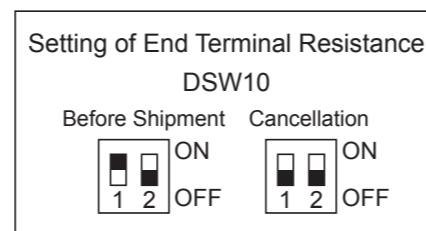
- * Transmission Wire: 2-Wire
- * Polarity of Transmission Wire: Non-Polar Wire
- * Maximum Outdoor Units to be Connected: 64 Units per System
- * Maximum Indoor Units to be Connected: 160 Units per H-LINK II System
- * Maximum Wiring Length: Total 1,000m
- * Recommended Cable: Twist-Pair Cable with Shield, over 0.75mm²
- * Voltage: DC5V

NOTE:

In case of applying H-LINK II system, the setting of dip switch for outdoor unit and indoor unit is required. If the dip switches are not set or set incorrectly, the alarm may occur due to a transmission failure.

■ Setting of End Terminal Resistance

Before shipment, No.1 pin of DSW10 is in the "ON" position.
 In the case that the number of outdoor units in the same H-LINK is 2 or more, set No.1 pin of DSW10 at "OFF" from the 2nd unit.
 If only one outdoor unit is used, no setting is required.



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Full Range of Products

● **Outdoor Unit**

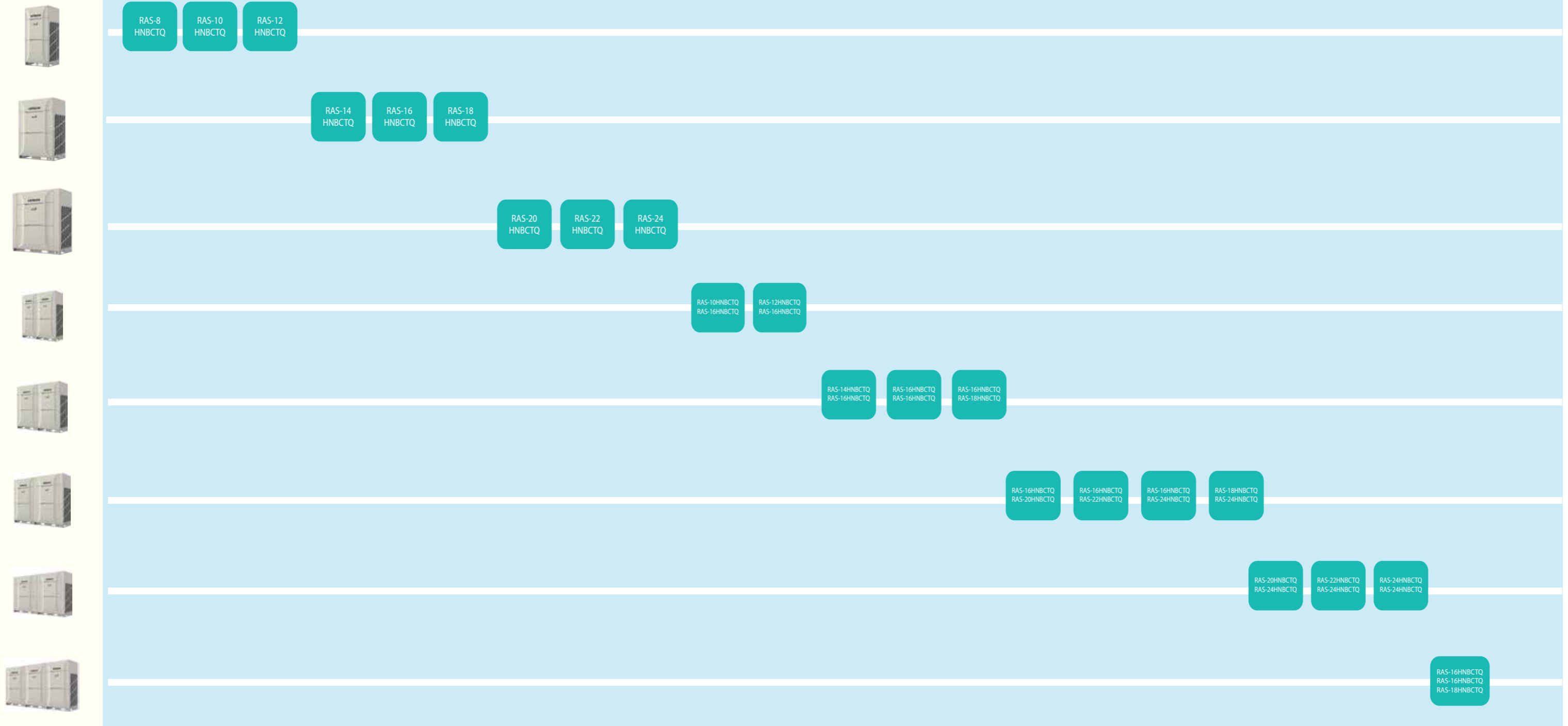
Outdoor units start 8HP
Modular configuration can be set up to 96HP.

R410A Refrigerant

Capacity (HP)

8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 →

Standard



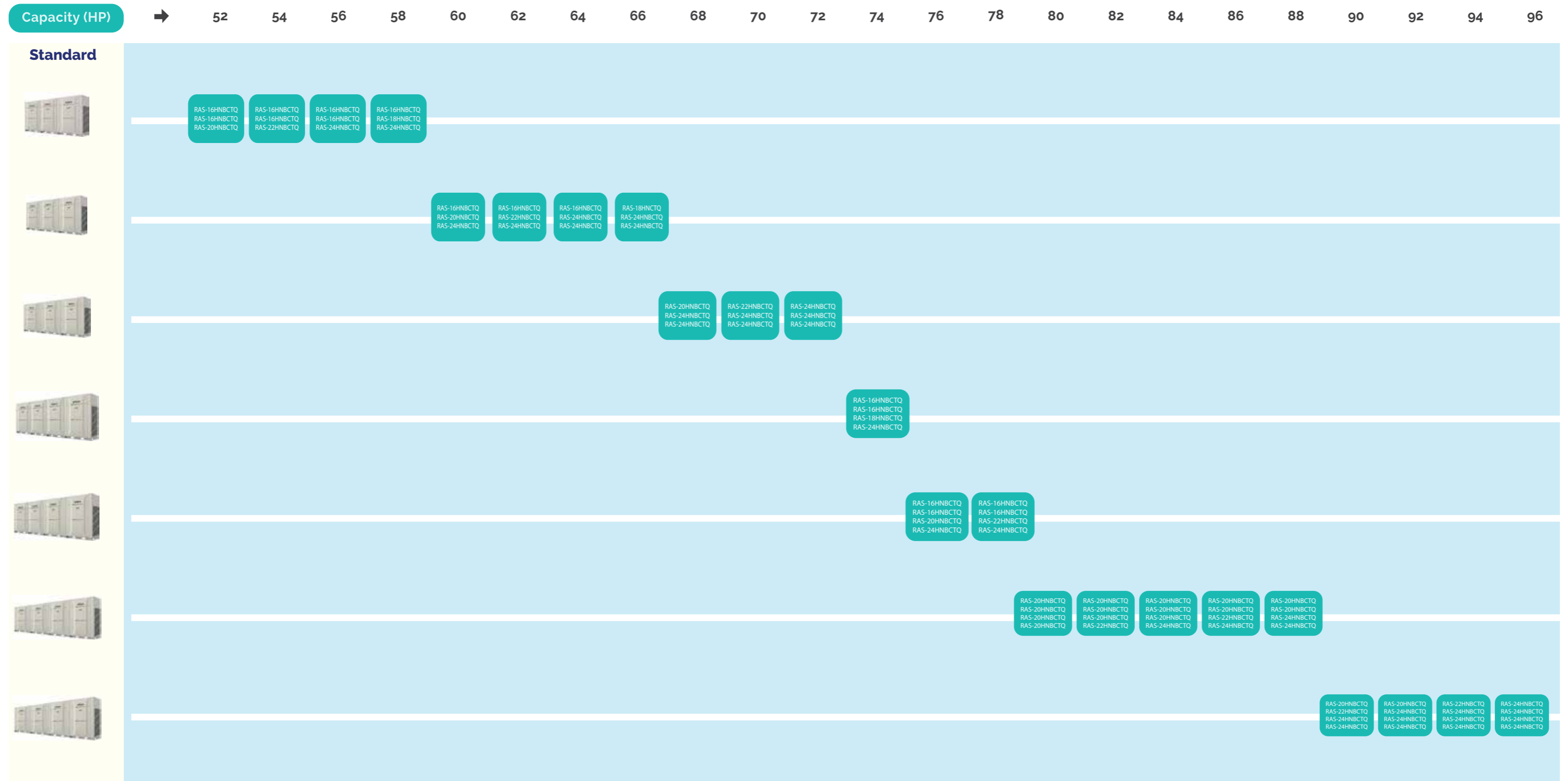
HITACHI Set - Free

Full Range of Products

Outdoor Unit

Outdoor units start 8HP
Modular configuration can be set up to 96HP.

R410A Refrigerant



Base Unit Outer Dimension

RAS-8.0 - 12HNBCTQ (8 - 12HP)	RAS-14 - 18HNBCTQ (14 - 18HP)	RAS-20 - 24HNBCTQ (20 - 24HP)
W958 x D782 x H1725 mm	W1218 x D782 x H1725 mm	W1608 x D782 x H1725 mm



Combination of Base Units

RAS-26 - 28HNBCTQ (26 - 28HP)	RAS-30 - 34HNBCTQ (30 - 34HP)	RAS-36 - 42HNBCTQ (36 - 42HP)
--------------------------------------	--------------------------------------	--------------------------------------



RAS-44 - 48HNBCTQ (44 - 48HP)	RAS-50HNBCTQ (50HP)	RAS-52 - 58HNBCTQ (52 - 58HP)
--------------------------------------	----------------------------	--------------------------------------



RAS-60 - 66HNBCTQ (60 - 66HP)



RAS-68 - 72HNBCTQ (68 - 72HP)



RAS-74HNBCTQ (74HP)



RAS-76 - 78HNBCTQ (76 - 78HP)



RAS-80 - 96HNBCTQ (80 - 96HP)



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Base Unit Specs

Model		RAS-8HNBCTQ	RAS-10HNBCTQ	RAS-12HNBCTQ	RAS-14HNBCTQ	RAS-16HNBCTQ	RAS-18HNBCTQ	RAS-20HNBCTQ	RAS-22HNBCTQ	RAS-24HNBCTQ
Power Supply		380V 3N 60 Hz								
Nominal Cooling Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	68.0
Nominal Heating Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	75.0
Cabinet Color		Natural White								
Sound Pressure level	dB (A)	60	61	62	63	64	64	65	66	66
Outer Dimensions Height X Width X Depth	mm	1,725 x 958 x 782	1,725 x 958 x 782	1,725 x 958 x 782	1,725 x 1,218 x 782	1,725 x 1,218 x 782	1,725 x 1,218 x 782	1,725 x 1,608 x 782	1,725 x 1,608 x 782	1,725 x 1,608 x 782
Net Weight	kg	225	226	248	308	310	356	390	415	416
Refrigerant		R410A								
Flow Control		Micro-Computer Control Expansion Valve								
Compressor		Hermetic Scroll								
Compressor Model		AA50PHDG	AA50PHDG	DC80PHDG	DC80PHDG	DC80PHDG	AA50PHDG +AA50PHDG	AA50PHDG +AA50PHDG	DC80PHDG +DC80PHDG	DC80PHDG +DC80PHDG
Compressor Quantity		1	1	1	1	1	2	2	2	2
Compressor Motor Output	kW	4.1	6.2	7.4	9.3	10.8	6.4x2	6.5 x 2	7.5 x 2	8.6 x 2
Refrigerant Oil Type		FV68H								
Charge	l/Unit	6.0	6.0	6.0	6.9	6.9	7.9	8.4	8.4	8.4
Heat Exchanger		Multi-Pass Cross Finned Tube								
Condenser Fan		Propeller Fan								
Fan Quantity		1	1	1	2	2	2	2	2	2
Air Flow Rate	m ³ /min	165	170	190	239	256	256	329	329	348
Fan Motor Output	kW	0.26	0.28	0.42	0.33 x 2	0.39 x 2	0.39 x 2	0.48 x 2	0.48 x 2	0.56 x 2
Liquid Line	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Gas Line	mm (in)	19.05 (3/4)	22.2 (7/8)	25.4 (1)	25.4 (1)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)

NOTES:

1.) The Cooling and heating performances are the values when combined with our test indoor units

Cooling Operation Conditions:

Indoor Air Inlet Temperature: 27°C DB 19°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters

Heating Operation Conditions:

Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB 6°C WB
Piping Length: 0 Meters

2.) The sound pressure is based on the following conditions.

3.) 1 meter from the unit service cover surface, and 1.36 meters from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1-2 dB. The above data was measured in an semianechoic chamber so that reflected sound should be taken into consideration in the field.

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Combination Specs

Model		RAS-26HNBCTQ	RAS-28HNBCTQ	RAS-30HNBCTQ	RAS-32HNBCTQ	RAS-34HNBCTQ	RAS-36HNBCTQ	RAS-38HNBCTQ	RAS-40HNBCTQ	RAS-42HNBCTQ
Combination of Base Unit		RAS-10HNBCTQ RAS-16HNBCTQ	RAS-12HNBCTQ RAS-16HNBCTQ	RAS-14HNBCTQ RAS-16HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ	RAS-16HNBCTQ RAS-18HNBCTQ	RAS-16HNBCTQ RAS-20HNBCTQ	RAS-16HNBCTQ RAS-22HNBCTQ	RAS-16HNBCTQ RAS-24HNBCTQ	RAS-18HNBCTQ RAS-24HNBCTQ
Power Supply		380V 3N 60 Hz								
Nominal Cooling Capacity	kW	73.0	78.5	85.0	90.0	95.0	101.0	106.5	113.0	118.0
Nominal Heating Capacity	kW	81.5	87.5	95.0	100.0	106.0	113.0	119.0	125.0	131.0
Cabinet Color		Natural White								
Sound Pressure level	dB (A)	66	66	67	67	67	68	68	68	68
Outer Dimensions Height X Width X Depth	mm	1,725 x 958 x 782 + 1,725 x 1,218 x 782	1,725 x 958 x 782 + 1,725 x 1,218 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782	1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,608 x 782
Net Weight	kg	226 + 310	248 + 310	308 + 310	310 + 310	310 + 356	310 + 390	310 + 415	310 + 416	356 + 416
Refrigerant		R410A								
Flow Control		Micro-Computer Control Expansion Valve								
Compressor		Hermetic Scroll								
Compressor Model		AA50PHDG + DC80PDG	DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG	DC80PHDG + AA50PHDG + AA50PHDG	DC80PHDG + AA50PHDG + AA50PHDG	DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG + DC80PHDG	AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG
Compressor Quantity		2	2	2	2	3	3	3	3	4
Compressor Motor Output	kW	6.2 x 1 + 10.8 x 1	7.4 x 1 + 10.8 x 1	9.3 x 1 + 10.8 x 1	10.8 x 1 + 10.8 x 1	10.8 x 1 + 6.4 x 2	10.8 x 1 + 6.5 x 2	10.8 x 1 + 7.5 x 2	10.8 x 1 + 8.6 x 2	6.4x2+8.6x2
Refrigerant Oil Type		FV68H								
Charge	l/Unit	12.9	12.9	13.8	13.8	14.8	15.3	15.3	15.3	16.3
Heat Exchanger		Multi-Pass Cross Finned Tube								
Condenser Fan		Propeller Fan								
Fan Quantity		3	3	4	4	4	4	4	4	4
Air Flow Rate	m ³ /min	170 + 256	190 + 256	239 + 256	256 x 2	256 x 2	256 + 329	256 + 329	256 + 348	256 + 348
Fan Motor Output	kW	0.28 + (0.39 x 2)	0.42 + (0.39 x 2)	(0.33 x 2) + (0.39 x 2)	(0.39 x 2) x 2	(0.39 x 2) x 2	(0.39 x 2) + (0.48 x 2)	(0.39 x 2) + (0.48 x 2)	(0.39 x 2) + (0.56 x 2)	(0.39 x 2) + (0.56 x 2)
Liquid Line	mm (in)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Gas Line	mm (in)	31.75 (1-1/4)	31.75 (1-1/4)	31.75 (1-1/4)	31.75 (1-1/4)	31.75 (1-1/4)	38.1 (1-1/2)	38.1 (1-1/2)	38.1 (1-1/2)	38.1 (1-1/2)

NOTES:

1.) The Cooling and heating performances are the values when combined with our test indoor units
Cooling Operation Conditions:
 Indoor Air Inlet Temperature: 27°C DB 19°C WB
 Outdoor Air Inlet Temperature: 35°C DB
 Piping Length: 7.5 Meters

Heating Operation Conditions:
 Indoor Air Inlet Temperature: 20°C DB
 Outdoor Air Inlet Temperature: 7°C DB 6°C WB
 Piping Length: 0 Meters

2.) The sound pressure is based on the following conditions.
 1 meter from the unit service cover surface, and 1.36 meters from floor level. The above data is based on the cooling mode.
 In case of heating mode, the sound pressure level increases by approximately 1-2 dB. The above data was measured in an
 semianechoic chamber so that reflected sound should be taken into consideration in the field.

3.) Except for the test combination in the table (26-96HP), 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 unit is test to 20mm.

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Combination Specs

Model		RAS-44HNBCTQ	RAS-46HNBCTQ	RAS-48HNBCTQ	RAS-50HNBCTQ	RAS-52HNBCTQ	RAS-54HNBCTQ	RAS-56HNBCTQ	RAS-58HNBCTQ	RAS-60HNBCTQ
Combination of Base Unit		RAS-20HNBCTQ RAS-24HNBCTQ	RAS-22HNBCTQ RAS-24HNBCTQ	RAS-24HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-18HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-20HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-22HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-18HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-20HNBCTQ RAS-24HNBCTQ
Power Supply		380V 3N 60 Hz								
Nominal Cooling Capacity	kW	124.0	129.5	136.0	140.0	146.0	151.5	158.0	163.0	169.0
Nominal Heating Capacity	kW	138.0	144.0	150.0	156.0	163.0	169.0	175.0	181.0	188.0
Cabinet Color		Natural White								
Sound Pressure level	dB (A)	69	69	69	69	69	70	70	70	70
Outer Dimensions Height X Width X Depth	mm	1,725 x 1608 x 782 +1,725 x 1,608 x 782	1,725 x 1608 x 782 +1,725 x 1,608 x 782	1,725 x 1608 x 782 +1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1725 x 1218 x 782 + 1725 x 1608 x 782 + 1725 x 1608 x 782
Net Weight	kg	390 + 416	415 + 416	416 + 416	310 + 310 + 356	310 + 310 + 390	310 + 310 + 415	310 + 310 + 416	310 + 356 + 416	310 + 390 + 416
Refrigerant		R410A								
Flow Control		Micro-Computer Control Expansion Valve								
Compressor		Hermetic Scroll								
Compressor Model		AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG+ DC80PHDG+ AA50PHDG+ AA50PHDG	DC80PHDG + DC80PHDG + AA50PHDG + AA50PHDG	DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG+ AA50PHDG+ AA50PHDG+ DC80PHDG+ DC80PHDG	DC80PHDG + AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG
Compressor Quantity		4	4	4	4	4	4	4	5	5
Compressor Motor Output	kW	(6.5 x 2) + (8.6 x 2)	(7.5 x 2) + (8.6 x 2)	(8.6 x 2) x 2	10.8 x 1 + 10.8 x 1 + (6.4 x 2)	10.8 x 1 + 10.8 x 1 + (6.5 x 2)	10.8 x 1 + 10.8 x 1 + (7.5 x 2)	10.8 x 1 + 10.8 x 1 + (8.6 x 2)	10.8 x 1 + (6.4 x 2) + (8.6 x 2)	10.8 x 1 + (6.5 x 2) + (8.6 x 2)
Refrigerant Oil Type		FV68H								
Charge	l/Unit	16.8	16.8	16.8	21.7	22.2	22.2	22.2	23.2	23.7
Heat Exchanger		Multi-Pass Cross Finned Tube								
Condenser Fan		Propeller Fan								
Fan Quantity		4	4	4	6	6	6	6	6	6
Air Flow Rate	m³/min	329 + 348	329 + 348	348 x 2	256 x 3	256 x 2 + 329 x 1	256 x 2 + 329 x 1	256 x 2 + 348	256 x 2 + 348	256 + 329 + 348
Fan Motor Output	kW	(0.48 x 2) + (0.56 x 2)	(0.48 x 2) + (0.56 x 2)	(0.56x2) x 2	(0.39 x 2) x 3	(0.39 x 2) x 2 + 0.48 x 2	(0.39 x 2) + (0.48 x 2)	(0.39 x 2) x 2 + (0.56 x 2)	(0.39 x 2) x 2 + (0.56 x 2)	(0.39 x 2) + (0.48 x 2) + (0.56 x 2)
Liquid Line	mm (in)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Gas Line	mm (in)	38.1 (1-1/2)	38.1 (1-1/2)	38.1 (1-1/2)	38.1 (1-1/2)	38.1 (1-1/2)	38.1 (1-1/2)	44.45 (1-3/4)	44.45 (1-3/4)	44.45 (1-3/4)

NOTES:

- 1.) The Cooling and heating performances are the values when combined with our test indoor units
Cooling Operation Conditions:
 Indoor Air Inlet Temperature: 27°C DB 19°C WB
 Outdoor Air Inlet Temperature: 35°C DB
 Piping Length: 7.5 Meters
- Heating Operation Conditions:**
 Indoor Air Inlet Temperature: 20°C DB
 Outdoor Air Inlet Temperature: 7°C DB 6°C WB
 Piping Length: 0 Meters

- 2.) The sound pressure is based on the following conditions.
 1 meter from the unit service cover surface, and 1.36 meters from floor level. The above data is based on the cooling mode.
 In case of heating mode, the sound pressure level increases by approximately 1-2 dB. The above data was measured in an
 semianechoic chamber so that reflected sound should be taken into consideration in the field.

- 3.) Except for the test combination in the table (26-96HP), 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 unit is test to 20mm.

HITACHI Set - Free

Combination Specs

Model		RAS-62HNBCTQ	RAS-64HNBCTQ	RAS-66HNBCTQ	RAS-68HNBCTQ	RAS-70HNBCTQ	RAS-72HNBCTQ	RAS-74HNBCTQ	RAS-76HNBCTQ	RAS-78HNBCTQ
Combination of Base Unit		RAS-16HNBCTQ RAS-22HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-18HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-20HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-22HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-24HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-18HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-20HNBCTQ RAS-24HNBCTQ	RAS-16HNBCTQ RAS-16HNBCTQ RAS-22HNBCTQ RAS-24HNBCTQ
Power Supply		380V 3N 60 Hz								
Nominal Cooling Capacity	kW	174.5	181.0	186.0	192.0	197.5	204.0	208.0	214.0	219.5
Nominal Heating Capacity	kW	194.0	200.0	206.0	213.0	219.0	225.0	231.0	238.0	244.0
Cabinet Color		Natural White								
Sound Pressure level	dB (A)	70	70	70	70	71	71	71	71	71
Outer Dimensions Height X Width X Depth	mm	1,725 x 1,218 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,218 x 782 + 1,725 x 1,218 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782
Net Weight	kg	310 + 415 + 416	310 + 416 + 416	356 + 416 + 416	390 + 416 + 416	415 + 416 + 416	416 + 416 + 416	310 + 310 + 356 + 416	310 + 310 + 390 + 416	310 + 310 + 415 + 416
Refrigerant		R410A								
Flow Control		Micro-Computer Control Expansion Valve								
Compressor		Hermetic Scroll								
Compressor Model		DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG DC80PHDG	DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG DC80PHDG	AA50PHDG + AA50PHDG DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG	AA50PHDG+AA50PHDG+ DC80PHDG+DC80PHDG+ DC80PHDG+DC80PHDG	DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG AA50PHDG + AA50PHDG DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG AA50PHDG + AA50PHDG DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG DC80PHDG + DC80PHDG
Compressor Quantity		5	5	6	6	6	6	6	6	6
Compressor Motor Output	kW	10.8 x 1 + (7.5 x 2) + (8.6 x 2)	10.8 x 1 + (8.6 x 2) x 2	6.4 x 2 + (8.6 x 2) x 2	(6.5 x 2) + (8.6 x 2) x 2	(7.5 x 2) + (8.6 x 2) x 2	(8.6 x 2) x 3	10.8 x 1 + 10.8 x 1 + (6.4 x 2) + (8.6 x 2)	10.8 x 1 + 10.8 x 1 + (6.5 x 2) + (8.6 x 2)	10.8 x 1 + 10.8 x 1 + (7.5 x 2) + (8.6 x 2)
Refrigerant Oil Type		FV68H								
Charge	l/Unit	23.7	23.7	24.7	25.2	25.2	25.2	30.1	30.6	30.6
Heat Exchanger		Multi-Pass Cross Finned Tube								
Condenser Fan		Propeller Fan								
Fan Quantity		6	6	6	6	6	6	8	8	8
Air Flow Rate	m ³ /min	256 + 329 + 348	256 + 348 + 348	256 + 348 + 348	329 + 348 x 2	329 + 348 x 2	348 x 3	256 x 3 + 348	256 x 2 + 329 + 348	256 x 2 + 329 + 348
Fan Motor Output	kW	(0.39 x 2) + (0.48 x 2) + (0.56 x 2)	(0.39 x 2) + (0.56 x 2) x 2	(0.39 x 2) + (0.56 x 2) x 2	(0.48 x 2) + (0.56 x 2) x 2	(0.48 x 2) + (0.56 x 2) x 2	(0.56 x 2) x 3	(0.39 x 2) x 3 + (0.56 x 2)	(0.39 x 2) x 2 + (0.48 x 2) + (0.56 x 2)	(0.39 x 2) x 2 + (0.48 x 2) + (0.56 x 2)
Liquid Line	mm (in)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Gas Line	mm (in)	44.45 (1-3/4)	44.45 (1-3/4)	44.45 (1-3/4)	44.5 (1-3/4)	44.5 (1-3/4)	44.5 (1-3/4)	50.8 (2)	50.8 (2)	50.8 (2)

NOTES:

- 1.) The Cooling and heating performances are the values when combined with our test indoor units
- | | |
|--|--|
| <u>Cooling Operation Conditions:</u>
Indoor Air Inlet Temperature: 27°C DB 19°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters | <u>Heating Operation Conditions:</u>
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB 6°C WB
Piping Length: 0 Meters |
|--|--|

- 2.) The sound pressure is based on the following conditions.

1 meter from the unit service cover surface, and 1.36 meters from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1-2 dB. The above data was measured in an semianechoic chamber so that reflected sound should be taken into consideration in the field.

- 3.) Except for the test combination in the table (26-96HP), 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 unit is test to 20mm.

HITACHI Set - Free

Combination Specs

Model		RAS-80HNBCTQ	RAS-82HNBCTQ	RAS-84HNBCTQ	RAS-86HNBCTQ	RAS-88HNBCTQ	RAS-90HNBCTQ	RAS-92HNBCTQ	RAS-94HNBCTQ	RAS-96HNBCTQ
Combination of Base Unit		RAS-20HNBCTQ RAS-20HNBCTQ RAS-20HNBCTQ RAS-20HNBCTQ	RAS-20HNBCTQ RAS-20HNBCTQ RAS-20HNBCTQ RAS-22HNBCTQ	RAS-20HNBCTQ RAS-20HNBCTQ RAS-20HNBCTQ RAS-24HNBCTQ	RAS-20HNBCTQ RAS-20HNBCTQ RAS-22HNBCTQ RAS-24HNBCTQ	RAS-20HNBCTQ RAS-20HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-20HNBCTQ RAS-22HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-20HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-22HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ	RAS-24HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ RAS-24HNBCTQ
Power Supply		380V 3N 60 Hz								
Nominal Cooling Capacity	kW	224.0	229.5	236.0	241.5	248.0	253.5	260.0	265.0	272.0
Nominal Heating Capacity	kW	252.0	258.0	264.0	270.0	276.0	282.0	288.0	294.0	300.0
Cabinet Color		Natural White								
Sound Pressure level	dB (A)	71	71	71	72	72	72	72	72	72
Outer Dimensions Height X Width X Depth	mm	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782	1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782 + 1,725 x 1,608 x 782
Net Weight	kg	390 + 390 + 390 + 390	390 + 390 + 390 + 415	390 + 390 + 390 + 416	390 + 390 + 415 + 416	390 + 390 + 416 + 416	390 + 415 + 416 + 416	390 + 416 + 416 + 416	415 + 416 + 416 + 416	416 + 416 + 416 + 416
Refrigerant		R410A								
Flow Control		Micro-Computer Control Expansion Valve								
Compressor		Hermetic Scroll								
Compressor Model		AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG	AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG	AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	AA50PHDG + AA50PHDG + AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	AA50PHDG + AA50PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG	DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG + DC80PHDG
Compressor Quantity		8	8	8	8	8	8	8	8	8
Compressor Motor Output	kW	(6.5 x 2) x 4	(6.5 x 2) x 3 + 7.5 x 2	(6.5 x 2) x 3 + 8.6 x 2	(6.5 x 2) x 2 + 7.5 x 2 + 8.6 x 2	(6.5 x 2) x 2 + (8.6 x 2) x 2	6.5X2+7.5X2+ (8.6X2)X2	6.5 x 2 + (8.6 x 2) x 3	7.5 x 2 + (8.6 x 2) x 3	(8.6 x 2) x 4
Refrigerant Oil Type		FV68H								
Charge	l/Unit	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
Heat Exchanger		Multi-Pass Cross Finned Tube								
Condenser Fan		Propeller Fan								
Fan Quantity		8	8	8	8	8	8	8	8	8
Fan Motor Output	m ³ /min	329 x 4	329 x 4	329 x 3 + 348 x 1	329 x 3 + 348	329 x 2 + 348 x 2	329 x 2 + 348 x 2	329 + 348 x 3	329 + 348 x 3	348 x 4
Air Flow Rate	kW	(0.48 x 2) x 4	(0.48 x 2) x 4	(0.48 x 2) x 3 + (0.56 x 2)	(0.48 x 2) x 3 + 0.56 x 2	(0.48 x 2) x 2 + (0.56 x 2) x 2	(0.48 x 2) x 2 + (0.56 x 2) x 2	(0.48 x 2) + (0.56 x 2) x 3	(0.48 x 2) + (0.56 x 2) x 3	(0.56 x 2) x 4
Liquid Line	mm (in)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	25.4 (1)	25.4 (1)	25.4 (1)	25.4 (1)
Gas Line	mm (in)	50.8 (2)	50.8 (2)	50.8 (2)	50.8 (2)	50.8 (2)	50.8 (2)	50.8 (2)	50.8 (2)	50.8 (2)

NOTES:

- The Cooling and heating performances are the values when combined with our test indoor units
Cooling Operation Conditions:
 Indoor Air Inlet Temperature: 27°C DB 19°C WB
 Outdoor Air Inlet Temperature: 35°C DB
 Piping Length: 7.5 Meters
Heating Operation Conditions:
 Indoor Air Inlet Temperature: 20°C DB
 Outdoor Air Inlet Temperature: 7°C DB 6°C WB
 Piping Length: 0 Meters

- The sound pressure is based on the following conditions.

1 meter from the unit service cover surface, and 1.36 meters from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1-2 dB. The above data was measured in an semianechoic chamber so that reflected sound should be taken into consideration in the field.

- Except for the test combination in the table (26-96HP), there is no other combination of the base unit.
- The width of outer dimension, it is the value when each distance between the base outdoor unit is test to 20mm.



Indoor Units

Air conditioning solution for every room



Line-up summary

LINE-UP SUMMARY

DUCTED | The ultimate invisibility.

HIGH ESP (DC)
RPI-FSR



MEDIUM ESP (DC)
RPIM-FSR



HIGH ESP (AC)
RPIH-HNAUB1Q



MEDIUM ESP (AC)
RPIM-HNAUB1Q



CASSETTE | Consistent air reaching every corner of a room.

4-WAY CASSETTE (DC)
RCI-FSRP



4-WAY CASSETTE (DC)
RCI-FSKDN1Q



TWIN-SENSE SYSTEM
RCI-FSRP+ P-AP160NAE2
RCI-FSKDN1Q+ P-AP160NAE2+OPT-EZJ01



**Silent-Iconic™
Design Panel**
P-GP160NAP, P-GP160NAPU, P-GP160KAP



2-WAY CASSETTE (DC)
RCD-FSR



1-WAY CASSETTE (DC)
RCS-FSR



OTHERS | Minimal installation or retrofit works.

WALL MOUNTED (DC)
RPK-FSRM



WALL MOUNTED (DC)
RPK-HNBUSQ



CEILING SUSPENDED (DC)
RPC-FSR



Our key indoor features

Hitachi air, making a difference.

EXCLUSIVE

GENTLECOOL (FOR COOLING OPERATION)



Set not only your desired room temperature, but the cooled air temperature!

Without GentleCool, the unit might blow cooler air than expected when adjusting the indoor air temperature, causing a cool draft sensation at the beginning of operation.

With GentleCool, users have control over how discharged air reaches a preferred temperature setting, ensuring a smoother cooling down effect.

GentleCool might affect the speed of the room's cooling down to the set temperature.

Potential discomfort.

>8.0°C
→ COLD DRAFT

GentleCool OFF

GentleCool no cold draft.

>12.0°C

GentleCool LOW

>14.0°C

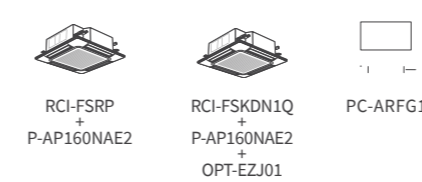
GentleCool MED

>16.0°C

GentleCool HIGH

EXCLUSIVE

CROWD-SENSE: PREDICTIVE ADJUSTMENT TO OCCUPANCY VARIATIONS

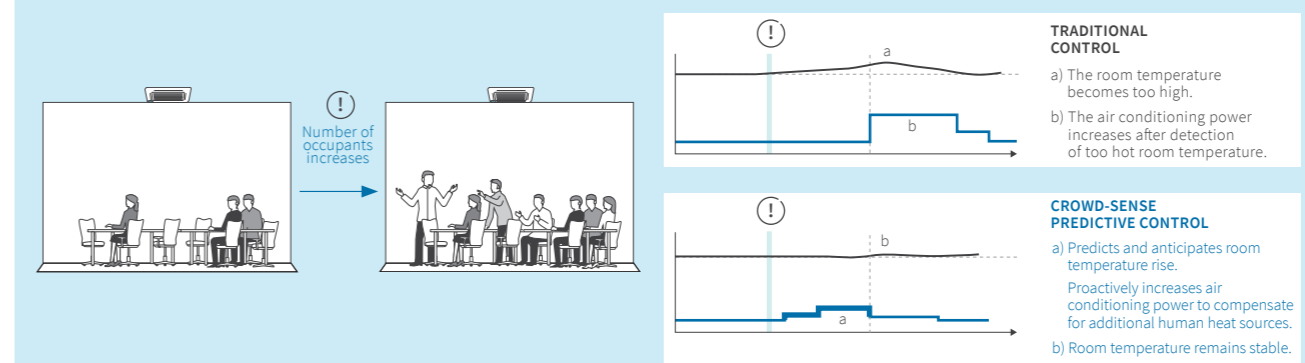


Ideal for meeting rooms, restaurants, museums and other venues experiencing rapid changes of occupancy.

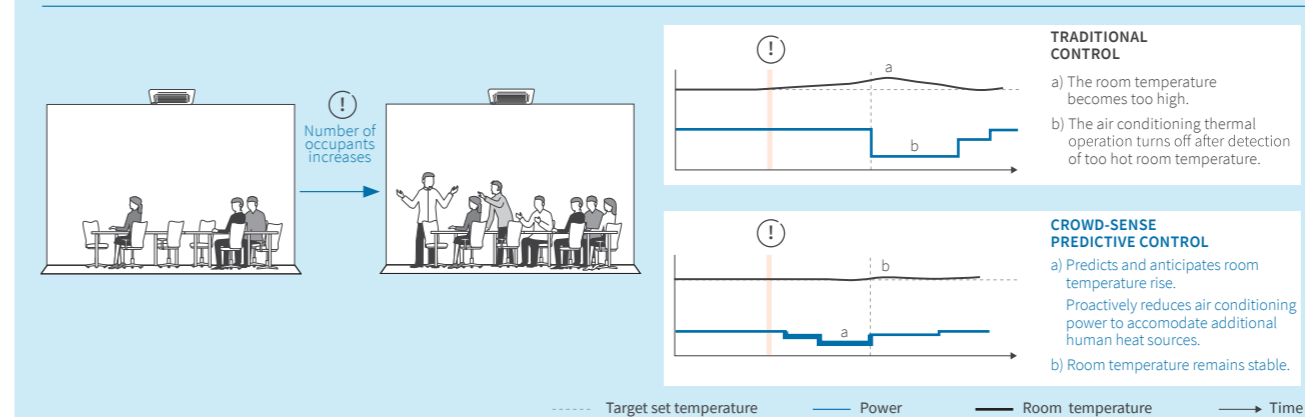
With conventional air conditioning, the arrival of more occupants creates new sources of heat and may naturally disrupt indoor thermal comfort. With Crowd-Sense predictive control, enjoy a stable indoor temperature whenever the size of the crowd changes.

- Hitachi Twin-Sense cassette detects the crowd's arrival or departure.
- Using AI, the cassette can anticipate the addition or reduction of human heat sources and immediately adjusts the air conditioning accordingly.

Crowd-Sense action during cooling.



Crowd-Sense action during heating.



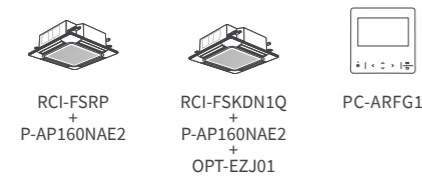
Crowd-Sense may not be effective or might be less effective in the following cases:

- Multiple indoor units are in operation in the same zone.
- The difference between the radiant temperature of the room (floor and walls) and the radiant temperature of the human body is minimal.
- The room temperature is high before operation.
- During the heating process, when the number of occupants decreases.

Our key indoor features

Hitachi air, making a difference.

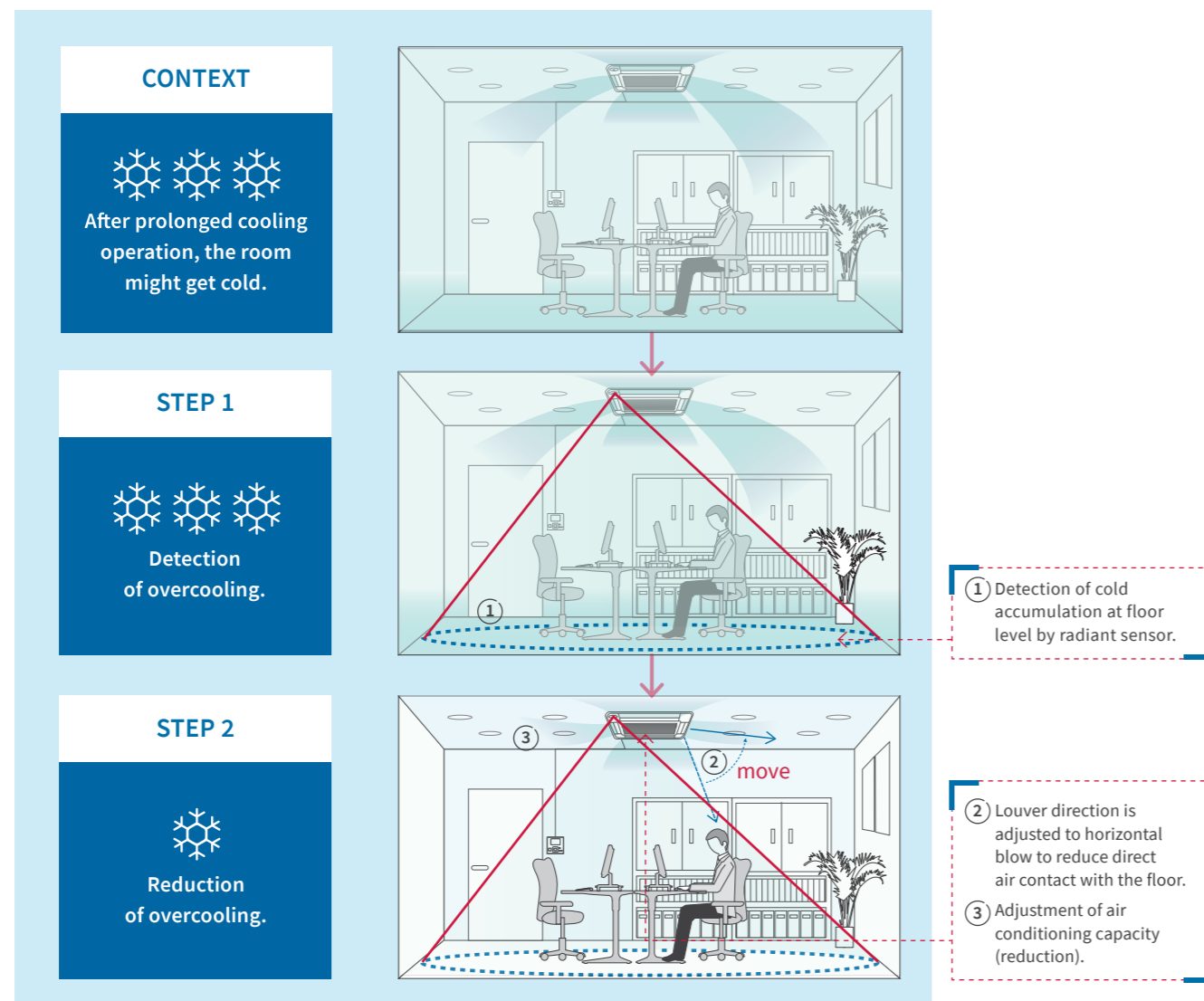
FLOORSENSE COOL (FOR COOLING OPERATION)



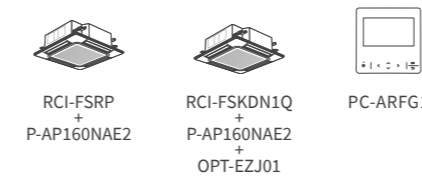
Prevents floor overcooling.

When the room has undergone prolonged cooling, the floor may overcool, due to cold air sinking below layers of warmer air. The radiant sensor can detect when the floor becomes too cold. The air conditioning automatically blows softer to prevent 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.



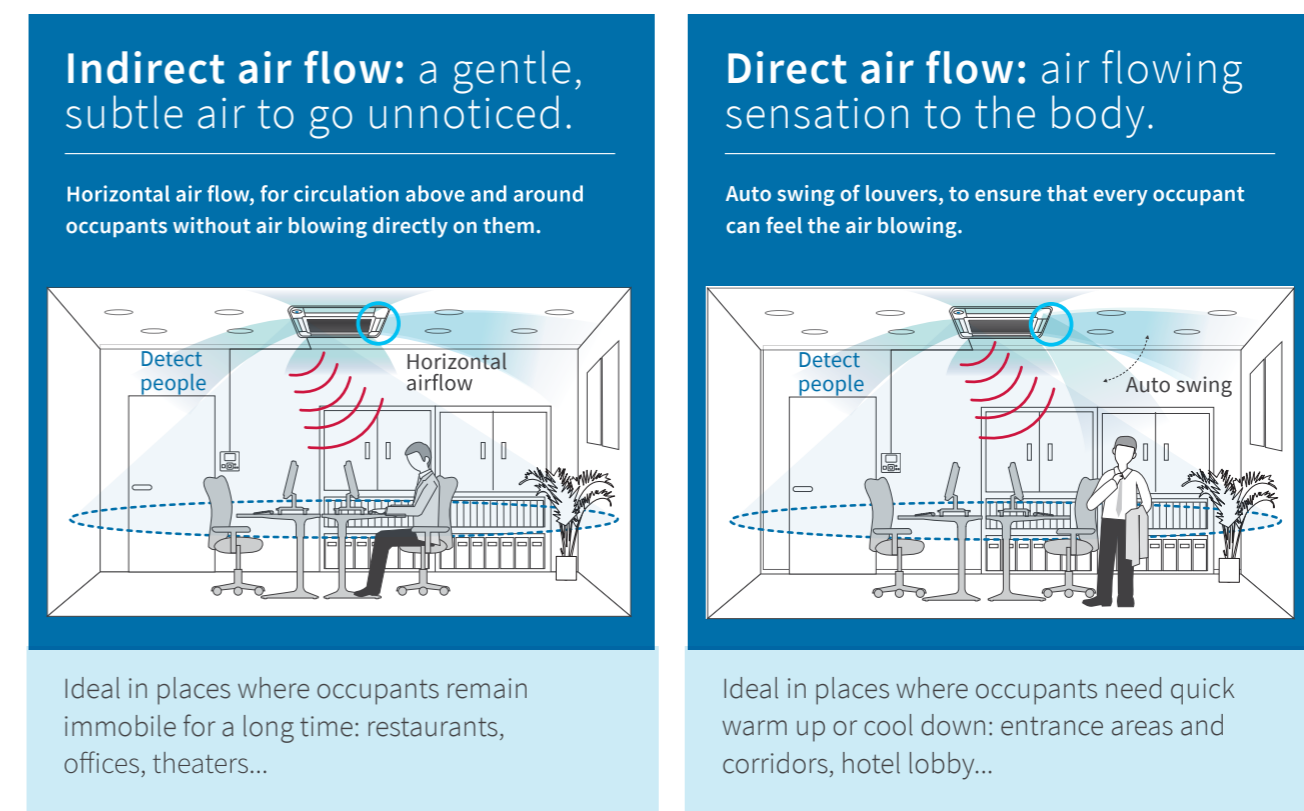
CHOICE OF DIRECT OR INDIRECT AIR FLOW



Want to feel the air? Or do you prefer imperceptible air? Choose the preferred air sensation and let the air conditioner adjust the louver direction to your liking.

Our 4-zone motion sensor divides the room into 4 areas and can detect presence in each of them.

- Choose Direct air flow: the Twin-Sense cassette will target the corners with human activity.
- Choose Indirect air flow: Twin-Sense cassette will avoid the corners where occupants are detected.



Notes:
 When room vacancy is detected, the air is directed in the way the controller (PC-ARFG) is set up. (Note) 4-zone motion sensor may not be effective in the following cases:
 - If the room is occupied but the movement is minimal, the system might consider the room as vacant.
 - If an object with a temperature different to the surrounding is in motion, it might be considered as human presence.

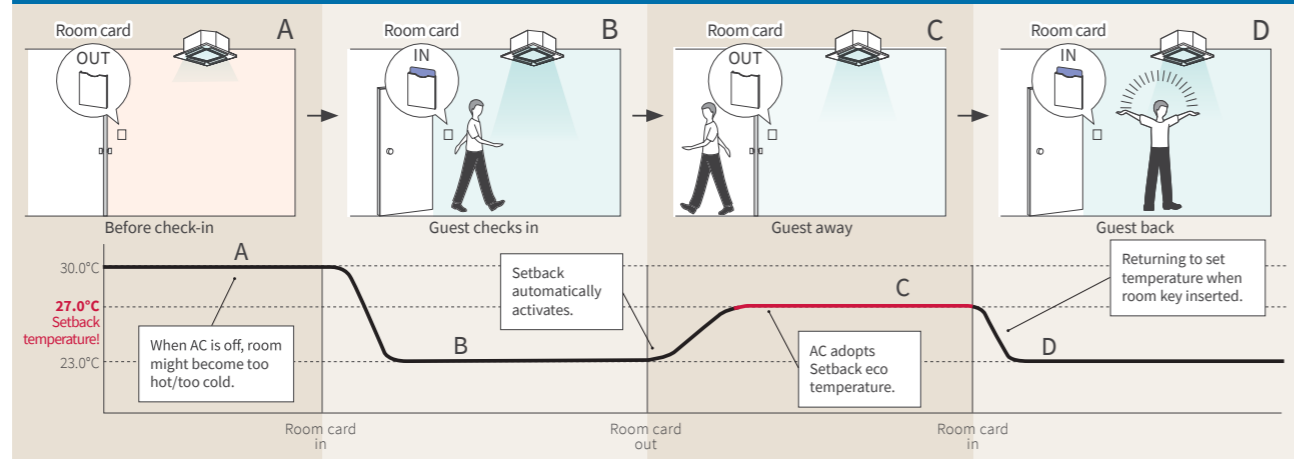
Our key indoor features

Hitachi air, making a difference.

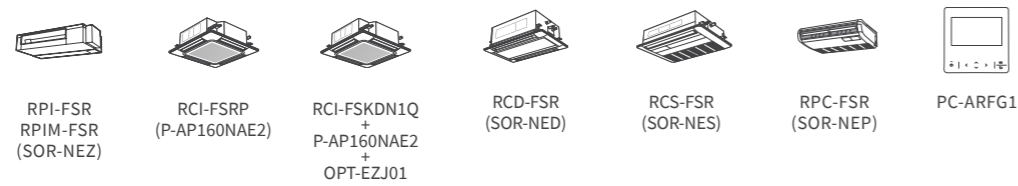
HOTEL SETBACK



Interlock the air conditioner with hotel key card, and set an eco temperature for the time of room vacancy.



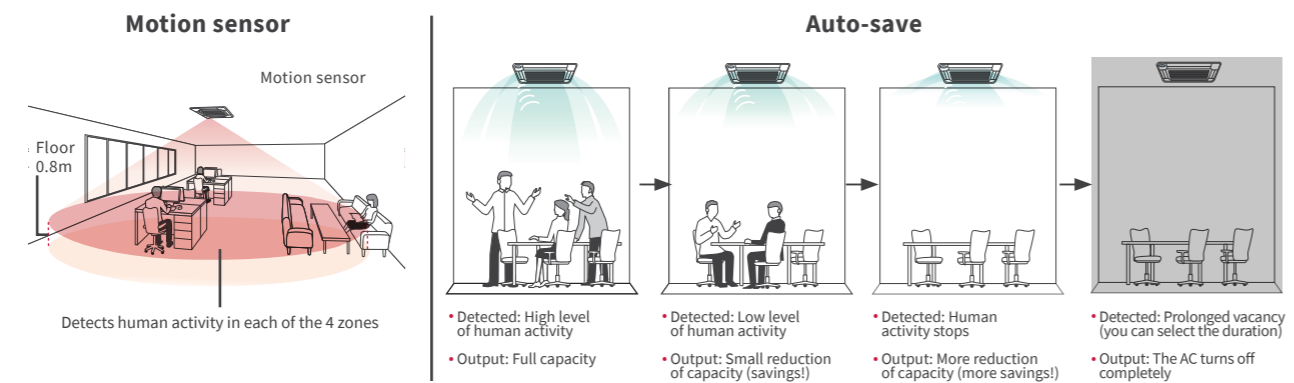
AUTO-SAVE (WITH MOTION SENSOR)



Save more energy while improving comfort!

When adding a motion sensor to the indoor unit, auto-save function will adjust the air conditioning output to the human activity level.

How does it work?



Indoor Air Quality

Live and work in harmony

Hitachi IAQ accessory Line-up

	01 ViroSense S filter	02 ViroSense Z2 filter	03 AQtiv-Ion Kit
Type of purchase	Now fitted as standard	Optional upgrade Model: F-160L-ZV	Optional upgrade Model: JK-LAZQ
For those who...	<ul style="list-style-type: none"> want to save additional cost want to create the cleaner indoor environment 	<ul style="list-style-type: none"> want to reduce the risk of secondary infection/pollution reduce spread of SARS-CoV-2 don't want to compromise airflow or additional noise 	<ul style="list-style-type: none"> Looking for low-maintenance non-intrusive ways of purifying air without installing separate purification units Looking for both pollutant and odor reduction solutions
Key Features	<ul style="list-style-type: none"> Lasts up to 5 years (12500h) Anti-virus (>99% inhibition) Anti-bacteria (>99% inhibition) Anti-mold (100% growth stop) 	<ul style="list-style-type: none"> Lasts up to 4 years (10000h) Quick & easy to install/change from existing filters Anti-virus (>99.7% inhibition): better than Ion filter Anti SARS-CoV-2 (>99.9% inhibition) Anti-bacteria (>99% inhibition) 	<ul style="list-style-type: none"> Lasts up to 6 years (15000h) Generates negative ions and emits through AC airflow, which binds to pollutants and odors, sending them harmlessly to the floor Plug & play; converts your ducted IDU into an air-purifying IDU Up to 96.85% capturing of Influenza virus Up to 74.90% removal of Formaldehyde

STANDARD-EQUIPPED FILTER

VIROSENSE S FILTER

We have renewed our standard air filter for some of our Hitachi VRF indoor units with an leading-edge ion-technology, and, now it has THREE benefits for you & more assures indoor environment.

Our STANDARD Air Filter with Ion Purification feature, ViroSense S filter, will catch & reduce them, then help create the cleaner indoor environment.

ANTI-VIRUS



over 99% Inhibition

ANTI-BACTERIA



over 99% Inhibition

ANTI-MOLD



100% growth stop

Testing information

[Anti-virus test]

Test Laboratory: Guangdong Detection Center of Microbiology
Test Report # 2021FM05008R01
Test Procedure: Based on ISO 18184:2019
Textiles - Determination of antiviral activity of textile products

[Anti-bacterial test]

Test Laboratory: Guangdong Detection Center of Microbiology
Test Report # 2021FM05005R01
Test Procedure: Based on JIS Z 2801:2010
Antibacterial products-Test for antibacterial activity and efficacy

[Anti-mold test]

Test Laboratory: Guangdong Detection Center of Microbiology
Test Report # 2021FM05006R01
Test Procedure: Based on JIS Z 2911:2018 (A)
Methods of test for fungus resistance

UNIT STANDARDIZED WITH VIROSENSE S FILTER

4-way Cassette (RCI-FSRP)						4-way Cassette (RCI-FSKDN1Q)
TWIN-SENSE 4-way Panel White	Standard 4-way Panel White	Standard 4-way Panel Black	Silent-Iconic White	Silent-Iconic Auto-elevating grille White	Silent-Iconic Black	TWIN-SENSE 4-way Panel White
P-AP160NAE2	P-AP160NA3	P-AP160KA3	P-GP160NAP	P-GP160NAPU	P-GP160KAP	P-AP160NAE2 + OPT-EZJ01
2-way Cassette (RCD-FSR)		1-way Cassette (RCS-FSR)		Ceiling Suspended (RPC-FSR)		
P-AP90DNA/P-AP160DNA		P-AP36CNA/P-AP56CNA/P-AP80CNA		RPC-1.5FSR-6.0FSR		

Note: for the additional filter purchase, it is treated as "service part". Please consult your distributors.



Virusense Z2 filter

OPTIONAL ACCESSORY FILTER
VIROSENSE Z2 FILTER

Model: F-160L-ZV

Virusense Z2 filter can help reduce the risk of secondary pollution and infection in a room. We have confirmed the proven effect that can inhibit certain viruses attached to the air conditioner's filter already before. And in 2022, we have confirmed that it can inhibit the SARS-CoV-2 as well under the laboratory test.

BENEFITS

 SARS-CoV-2 Inhibition by over 99.9% The efficiency of the Virusense Z2 filter against SARS-CoV-2 has been confirmed with an inhibition rate up to more than 99.9%.	 Virus Inhibition by over 99.7% The efficiency of the Virusense Z2 filter against certain viruses has been confirmed with an inhibition rate up to more than 99.7%.	 Bacteria removal by over 99% Efficiency of Virusense Z2 filter against certain types of bacteria has been confirmed with an inhibition rate up to more than 99%.	 Life span of up to 4 years With regular maintenance and cleaning of the filter, the filter can have a life span of up to 4 years.	 Quick anti-virus transformation Your existing 4-way cassette panel can be quickly adapted for the anti-virus version, once you change your existing filter to the Virusense Z2 filter. The same, usual attachment!
--	--	--	---	--

EFFICIENCY PROVEN

Anti SARS-CoV-2

Common logarithm average of infectivity for filter type

Immediately after inoculation [lg (Va)] = 6.01

After contacting for 8h [lg (Vc)] = 2.30

Mv = 3.7
99.9% reduction!

[Testing data]
 Testing Laboratory: Japan Textile Products Quality and Technology Center
 Test Report No.: 21KB080432-1
 Test Procedure: ISO 18184:2019 "Textiles -- Determination of antiviral activity of textile products." application
 Tested Virus: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

Anti Virus

[Testing data]
 Testing Laboratory: Japan Textile Products Quality and Technology Center
 Test Report No.: 20KB-070036
 Tested Target: Feline infectious peritonitis virus ATCC VR-2127
 Test Procedure: Based on ISO 18184; Textiles -- Determination of antiviral activity of textile products
 Effect: Antiviral activity value (Mv) is at least 2.6 (>99.7% inhibition ratio)

Anti Bacteria

[Testing data]
 Testing Laboratory: Kaken Test Center
 Test Report: OS-20-09344-1
 Test target: (1) Staphylococcus aureus ATCC 6538 (2) Klebsiella pneumoniae ATCC 4352
 Test procedure: ISO 20743:2013 (Textiles - Determination of antibacterial activity of textile products)
 Effect: Antibacterial activity ratio is at least (1) 2.6 (>99% death ratio) (2) 3.1 (>99.9% death ratio)

COMPATIBLE INDOOR UNITS WITH VIROSENSE Z2 FILTER

4-way Cassette (RCI-FSRP)				4-way Cassette (RCI-FSKDN1Q)			
TWIN-SENSE 4-way Panel White	Standard 4-way Panel White	Standard 4-way Panel Black	Silent-Iconic White	Silent-Iconic Auto-elevating grille White	Silent-Iconic Black	Standardized Panel	TWIN-SENSE 4-way Panel White
P-AP160NAE2	P-AP160NA3	P-AP160KA3	P-GP160NAP	P-GP160NAPU	P-GP160KAP	(Standard Equipped)	P-AP160NAE2 + OPT-EZJ01

Solutions

Ducted units

AIR CONDITIONING TURNED INVISIBLE!

Our ducted units offer variety of ESP level, to facilitate integration into your project.

 HIGH ESP (DC) [RPI-FSR] <ul style="list-style-type: none"> High ESP: Up to 200Pa (2.0-6.0HP) or 230Pa (8.0HP/10HP). Flexible choice of air suction connection, rear or bottom. GentleCool available, to prevent cold draft when cooling starts. Hotel Setback available. 	 MEDIUM ESP (DC) [RPIM-FSR] <ul style="list-style-type: none"> 3 levels of ESP available: 50/100/150Pa. Flexible choice of air suction connection, rear or bottom. GentleCool available, to prevent cold draft when cooling starts. Hotel Setback available. 	 HIGH ESP (AC) [RPIH-HNAUB1Q, RPI-FSNQ] <ul style="list-style-type: none"> High ESP (90/120/180Pa). Slim & space saving design thanks to a height of 300mm only (RPIH-HNAUB1Q). 	 MEDIUM ESP (AC) [RPIM-HNAUB1Q] <ul style="list-style-type: none"> Medium ESP: 50/80Pa (0.8-2.5HP) or 100Pa (8.0-10.0HP). Slim & space saving design thanks to a height of 270mm only (0.8-2.5HP) or 470mm only (8.0-10.0HP).
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From 2.2kW to 28kW

Ducted indoor units	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	22.4	28.0
HIGH ESP (DC) [RPI-FSR]								●		●	●			●	●		●	●	●
MEDIUM ESP (DC) [RPIM-FSR]			●	●	●			●		●	●			●	●		●		
HIGH ESP (AC) [RPIH-HNAUB1Q, RPI-FSNQ]													●	●	●		●	●	●
MEDIUM ESP (AC) [RPIM-HNAUB1Q]			●	●	●		●	●	●	●								●	●



FEATURES COMPARISON

Model	HIGH/ MEDIUM ESP (DC)	HIGH ESP (8/10HP) (DC)	HIGH ESP (AC)	HIGH/ MEDIUM ESP (8/10HP) (AC)
	RPI-FSR RPIM-FSR	RPI-8/10FSR	RPIH-HNAUB1Q	RPI-FSNQH
Temperature Setting Rate	0.5°C/1.0°C	0.5°C/1.0°C	1.0°C	1.0°C
Fan Speed	4 taps	4 taps	3 taps	1 tap
Louver Direction	-	-	-	-
Individual Louver Setting	-	-	-	-
Auto Louver Setting	-	-	-	-
Dry mode Availability	●	●	●	●
Setback (Away Function)	●	●	-	-
Cold Draft Prevention (*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 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	●	●	●	●
AutoBoost (quick function) (*2)	●	●	-	-
Daylight Saving Time	●	●	●	●
Power Consumption visualization (*2)	●	●	-	-
Weekly Schedule Setting	●	●	●	●
Power-Saving Setting (*2)	●	●	-	-
Filter cleaning reminder	●	●	●	●
Check Menu	Sensor Condition Check	●	●	●
	Model Display (*2)	●	●	-
	Indoor/Outdoor PCB Check	●	●	●
	Alarm History Display	●	●	●
Motion Sensor	SOR-NEZ	SOR-NEZ	-	-
Receiver Kit for wireless remote controller	PC-ALHZ1	PC-ALHZ1	PC-RLH11 PC-ALHZ1	PC-RLH11 PC-ALHZ1
Drain-up mechanism availability	● (*3)	● (*3)	DUPI-361Q	DUPI-15H2Q
Air filter	F-56/90/160LI B-56/90/160LI	F-280LI B-280LI	KW-PP9/10Q	-

(*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.

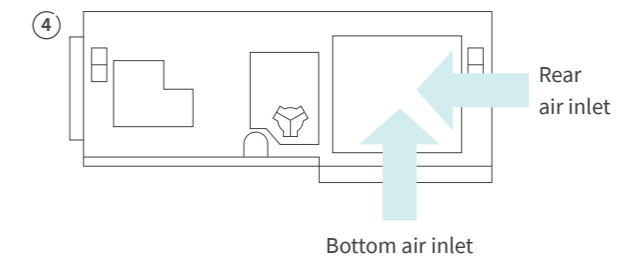
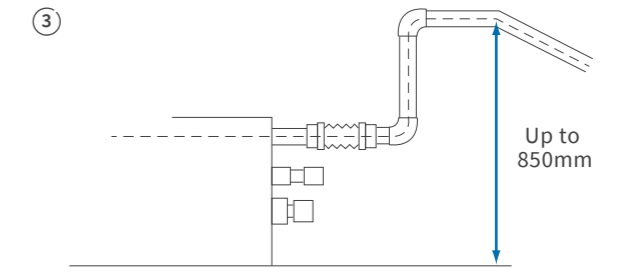
Solutions

Ducted units



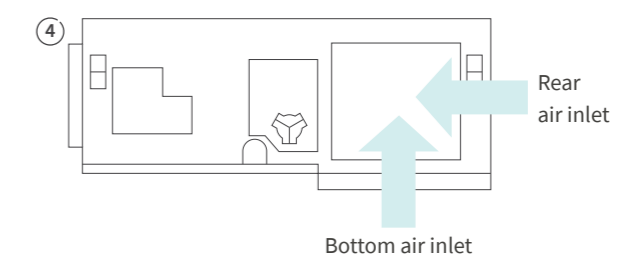
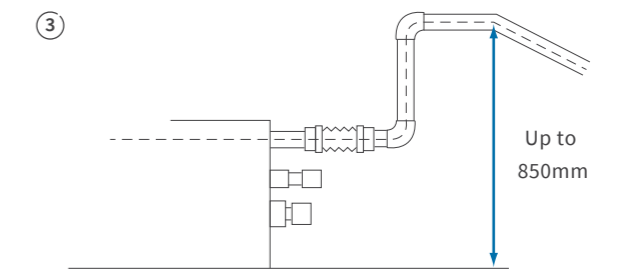
HIGH ESP HIGH EXTERNAL STATIC PRESSURE
(DC) [RPI-FSR]

- 1) Setback temperature control available, leading to better operation.
- 2) GentleCool control to ensure you are not bothered by cold.
- 3) Fits a standard condensate drain-pump with 850 mm lift.
- 4) Air Inlet can be chosen from two locations.
- 5) Energy-saving thanks to its High Efficiency DC Fan Motor & DC condensate drain-pump.
- 6) wide range of external static pressure (50Pa to 230Pa).
- 7) New side-cover for cleaning and checking condensate drain-pan.
- 8) The electrical box can be flipped over and mounted depending on the installation space.



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

- 1) Setback temperature control available, leading to better operation.
- 2) GentleCool control to ensure you are not bothered by cold.
- 3) Fits a standard condensate drain-pump with 850 mm lift.
- 4) Air inlet can be chosen from two locations.
- 5) Energy-saving thanks to high efficiency DC fan motor & DC condensate drain-pump.
- 6) Selects from 3 settings of external static pressure from remote controller.
- 7) New side-cover for cleaning and checking condensate drain-pan.
- 8) The electrical box can be flipped over and mounted depending on the installation space.

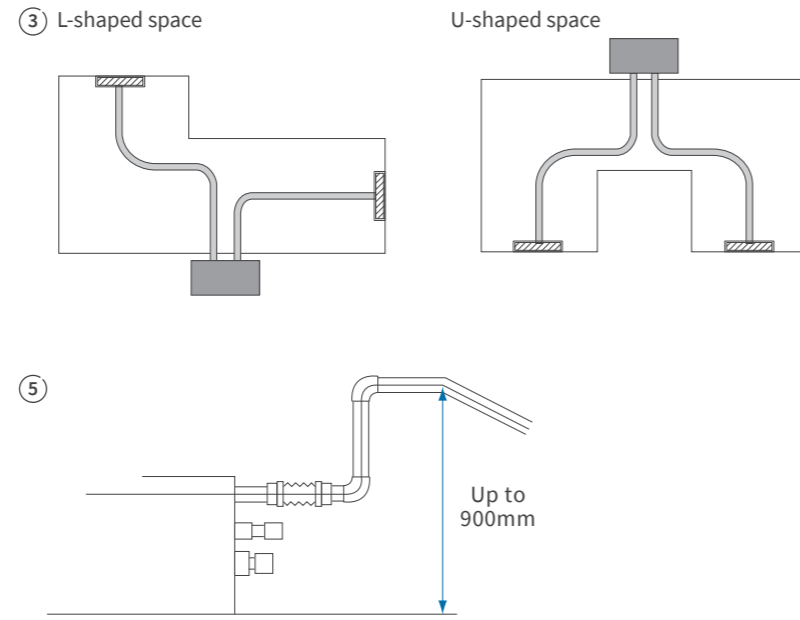


NEW

HIGH ESP HIGH EXTERNAL STATIC PRESSURE
(AC) [RPIH-HNAUB1Q, RPI-FSNQH]



- 1) High ESP. (90/120/180Pa)
- 2) Space saving design thanks to a height of only 300mm. (RPIH-HNAUN1Q)
- 3) Flexible installation. Options allow for multiple configurations.
- 4) Optional drain pump. Drain-up mechanism can be supplied as optional part.
- 5) Optional drain pump. Drain-up mechanism can be supplied as optional part.
- 6) Compatible with AQtiv-Ion Kit (Optional accessory)

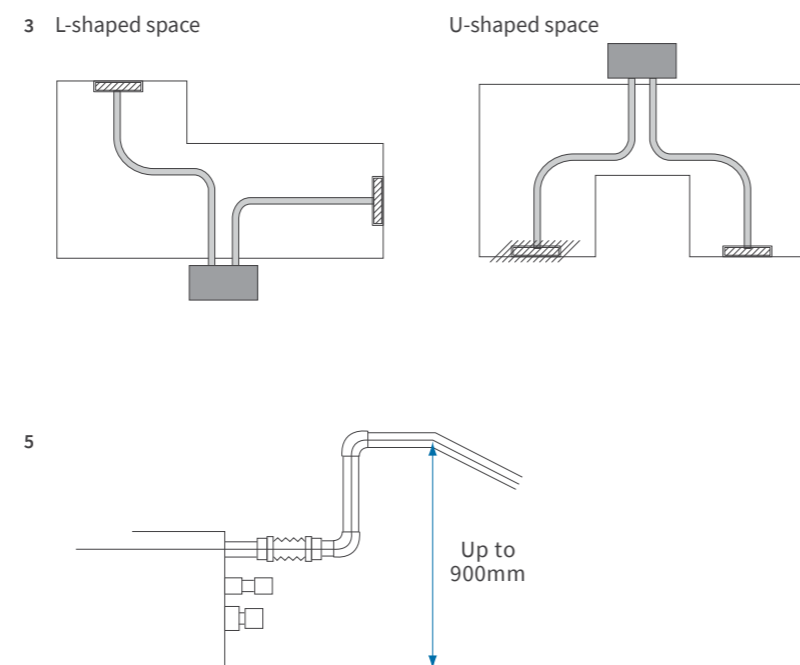


NEW

MEDIUM ESP MEDIUM EXTERNAL STATIC PRESSURE
(AC) [RPIM-HNAUB1Q]



- 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) Flexible installation. Options allow for multiple configurations.
- 4) Optional drain pump. Drain-up mechanism can be supplied as optional part.
- 5) Optional drain pump. Drain-up mechanism can be supplied as optional part.
- 6) Compatible with AQtiv-Ion Kit (Optional accessory)



Solutions

Ceiling cassettes

PREMIUM DESIGN & INNOVATIVE FEATURES

Meet with our newly upgraded offer, for upgraded comfort!



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

- (with P-AP160NAE2)
 - Greater performance & Greater comfort can be achieved
 - Hitachi exclusive FrostWash™ auto-cleaning technology.
- (with P-GP160NAP)
 - Award-winning Silent-Ionic™ to fit your indoor aesthetics.
 - We have also Black type Silent-Ionic™, and, Gray/Beige normal panel.
- (with P-GP160NAPU)
 - Maintenance will be enormously improved by the auto-elevation grille.
 - Compatible with ViroSense Z2 filter!
 - ViroSense S filter as standard!



Color variation (RCI-FSRP)



Silent-Ionic™ with elevation grille



4-WAY CASSETTE (DC)
[RCI-FSKDN1Q]

- With area of air distribution with 7 direction of louvers (distribution with distance available with optional parts (duct flange))
- Individual four-way louvers 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
- Compatible with ViroSense Z2 filter!
- ViroSense S filter as standard!
- FrostWash™ available for long-lasting air flow volume



2-WAY CASSETTE (DC)
[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
- ViroSense S filter as standard!
- FrostWash™ available for long-lasting air flow volume



1-WAY CASSETTE (DC)
[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
- ViroSense S filter as standard!
- FrostWash™ available for long-lasting air flow volume

From 2.2kW to 16kW

Ceiling cassettes	Cooling (kW)	2.2	2.8	4.0	5.6	6.3	7.1	8.0	11.2	14.0	16.0
4-WAY CASSETTE (DC) [RCI-FSRP]			●	●	●		●	●	●	●	●
4-WAY CASSETTE (DC) [RCI-FSKDN1Q]			●	●	●	●	●	●	●	●	●
2-WAY CASSETTE (DC) [RCD-FSR]		●	●	●	●		●	●	●	●	●
1-WAY CASSETTE (DC) [RCS-FSR]		●	●	●	●		●	●			

FEATURES COMPARISON

Model

	4-WAY CASSETTE TYPE (DC MOTOR TYPE)	2-WAY CASSETTE TYPE (DC MOTOR TYPE)	1-WAY CASSETTE TYPE (DC MOTOR TYPE)	
	RCI-FSRP	RCI-FSKDN1Q	RCD-FSR	RCS-FSR
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
Fan Speed	4 taps	4 taps	4 taps	4 taps
Louver Direction	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	●	●	-	-
Direct/Indirect louver direction in HEAT	●	●	-	-
FeetWarm air flow control	●	●	-	-
FloorSense Cool air flow control	●	●	-	-
Virusense S filter as standard	P-AP160NAE2 P-AP160NA3 P-AP160KA3 P-GP160NAP P-GP160NAPU P-GP160KAP	Standard Decoration panel P-AP160NAE2	P-AP90DNA P-AP160DNA	P-AP36CNA P-AP56CNA P-AP80CNA
Power Saving with Motion Sensor (*2)	●	●	●	●
Outdoor Unit capacity control (*2)	Peak cut control	●	●	●
	Moderate control	●	●	●
Indoor Unit Rotation	Indoor Unit Address	●	●	●
	Indoor Air Temperature difference	●	●	●
Automatic Fan Operation	●	●	●	●
AutoBoost (quick function) (*2)	●	●	●	●
Daylight Saving Time	●	●	●	●
Power Consumption visualization (*2)	●	●	●	●
Weekly Schedule Setting	●	●	●	●
Power-Saving Setting (*2)	●	●	●	●
FrostWash™ auto-cleaning	●	●	●	●
Filter cleaning reminder	●	●	●	●
Check Menu	Sensor Condition Check	●	●	●
	Model Display (*2)	●	●	●
	Indoor/Outdoor PCB Check	●	●	●
	Alarm History Display	●	●	●
Colored Panel availability	● (*6)	-	● (*6)	● (*6)
Motion Sensor	P-AP160NAE2	P-AP160NAE2	SOR-NED	SOR-NES
Receiver Kit for wireless remote controller	PC-ALH3	HR4A10NEWQ PC-ALH3	PC-ALHD1	PC-ALHS1
Drain-up mechanism availability	● (*3)	● (*3)	● (*3)	● (*3)
Fresh air intake accessory	● (*7)	-	● (*7)	● (*7)
Decoration Panel	P-AP160NAE2 P-AP160NA3 P-AP160KA3	Standard	P-AP90DNA P-AP160DNA	P-AP36CNA P-AP56CNA P-AP80CNA
Design Panel Silent-Iconic	P-GP160NAP P-GP160NAPU P-GP160KAP	-	-	-
Virusense Z2 filter (optional) compatible with	P-AP160NAE2 P-AP160NA3 P-AP160KA3 P-GP160NAP P-GP160NAPU P-GP160KAP	Standard Decoration panel P-AP160NAE2	-	-
Air filter	F-71L-D1 F-160L-D1 B-160H3	-	F-90MD-K1 F-160MD-K1 B-90HD B-160HD	-

- (*1) You can use this function to prevent cold discharged air at startup of the heating...
- (*2) Advanced wired remote controller PC-ARF1 needs to be connected.
- (*3) Included as standard equipment.
- (*4) 7 angles are available for individual louver setting, 5 angles only for the operation of Cooling or Dry.
- (*5) 5 steps only for the operation of Cooling or Dry.
- (*6) 3 colors are available (Beige, Grey, and Black).
- (*7) A Duct Adapter (Optional part) is available.

Virusense S filter



- Features**
- New filter as standard
 - Lasts up to 5 years (12500h)
 - Anti-virus (>99% inhibition)
 - Anti-bacteria (>99% inhibition)
 - Anti-mold 100% growth stop

Virusense Z2 filter



- Features**
- Optional Accessory
 - Lasts up to 4 years (10000h)
 - Quick & easy to install/change from existing filters
 - Anti-virus (>99.7% inhibition): better than ion filter
 - Anti SARS-CoV-2 (>99.9% inhibition)

SILENT-ICONIC™ 4-WAY CASSETTE DESIGN PANEL



Exclusive panel: architectural designers will love it!



reddot winner 2021
best of the best

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



iF Design Award 2020
Award Winning
(Discipline: Product)



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

Tomohiko Sato

Hitachi, Ltd. Product Design Department, Senior Designer



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

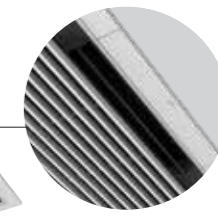


The design is well-matched to the space

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.



Blind shaped air-inlet port



The air-outlet port with occupied presence suppression





iPhone Augmented Reality: try and visualize Silent-Iconic™ design in your space!

With Augmented Reality, you can visualize Hitachi 4-way cassette or Silent-Iconic™ cassette installed in your actual space.



4-way Cassette Air Conditioner



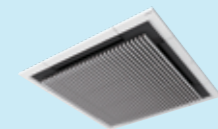
Silent-Iconic™ White



Silent-Iconic™ Black



Instructions for use.



1. Scan the QR code⁷ 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.

Operating environment

[Device]	
iPhone ¹	iPhone 13 Pro / iPhone 13 Pro Max / iPhone 13 / iPhone 13 mini / iPhone 12 Pro / iPhone 12 Pro Max / iPhone 12 / iPhone 12 mini / iPhone 11 Pro / iPhone 11 Pro Max / iPhone 11 / iPhone XS / iPhone XS Max / iPhone XR / iPhone X / iPhone 8 Plus / iPhone 8 / iPhone 7 Plus / iPhone 7 / iPhone 6s Plus / iPhone 6s / iPhone SE2 / iPhone SE
iPad ²	iPad Pro (all models) / iPad (6th generation) / iPad (5th generation)
[OS]	iOS ³ 12.1 or later
[Browser]	Safari ⁴ / Google Chrome ⁵ / Firefox ⁶

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.



NEW
4-WAY CASSETTE HIGH EXTERNAL STATIC PRESSURE TYPE
 (DC) [RCI-FSRP, RCI-FSKDN1Q]

DECORATION PANEL LINE-UP

Normal	Smart	Aesthetics	Maintenance
Standard	with motion sensor + radiant temperature sensor	Color Panel Design Panel	Silent-Iconic™ with Elevation Grille
P-AP160NA3	P-AP160NAE2	-	P-GP160NAPU
		Standard (Custom Order) Beige Gray Black Silent-Iconic™ White Black P-GP160NAP P-GP160KAP	
(H×W×D) 40×950×950(mm)	(H×W×D) 40×950×950(mm)	Standard (H×W×D) 40×950×950(mm) Silent-Iconic™ (H×W×D) 52×950×950(mm)	(H×W×D) 52×950×950(mm)
RCI-FSRP	RCI-FSRP, RCI-FSKDN1Q	RCI-FSRP	RCI-FSRP

Twin-Sense cassette

Adaptive comfort for real life.

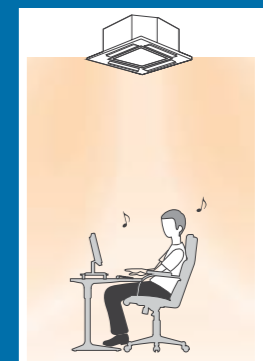
EXCLUSIVE GENTLECOOL

(standard feature)
 During cooling, the anti cold-draft control function prevents the perception of a cold draft in the discharged air temperature. (see page 35)



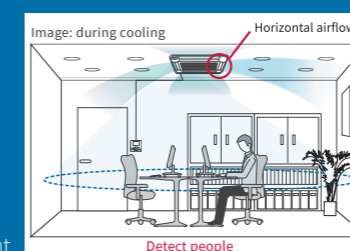
FEETWARM

(with radiant temperature sensor)
 During heating, ensures warmth reaches and remains on the floor and around occupants' feet and legs. (see page 37)



FLOORSENSE COOL

(with radiant temperature sensor)
 During cooling, based on indoor unit's new radiant sensor, the multi-louvers adjust to the precise airflow position and cooling capacity to prevent the cold air from sinking and overcooling the floor area. (see page 39)



EXCLUSIVE CROWD-SENSE

(with motion sensor + radiant temperature sensor)
 When detecting an increase of occupants in the room, Twin-Sense anticipates the additional heat source of human bodies. The cassette immediately and pro-actively adjusts operation for a more stable indoor temperature. (see page 36)



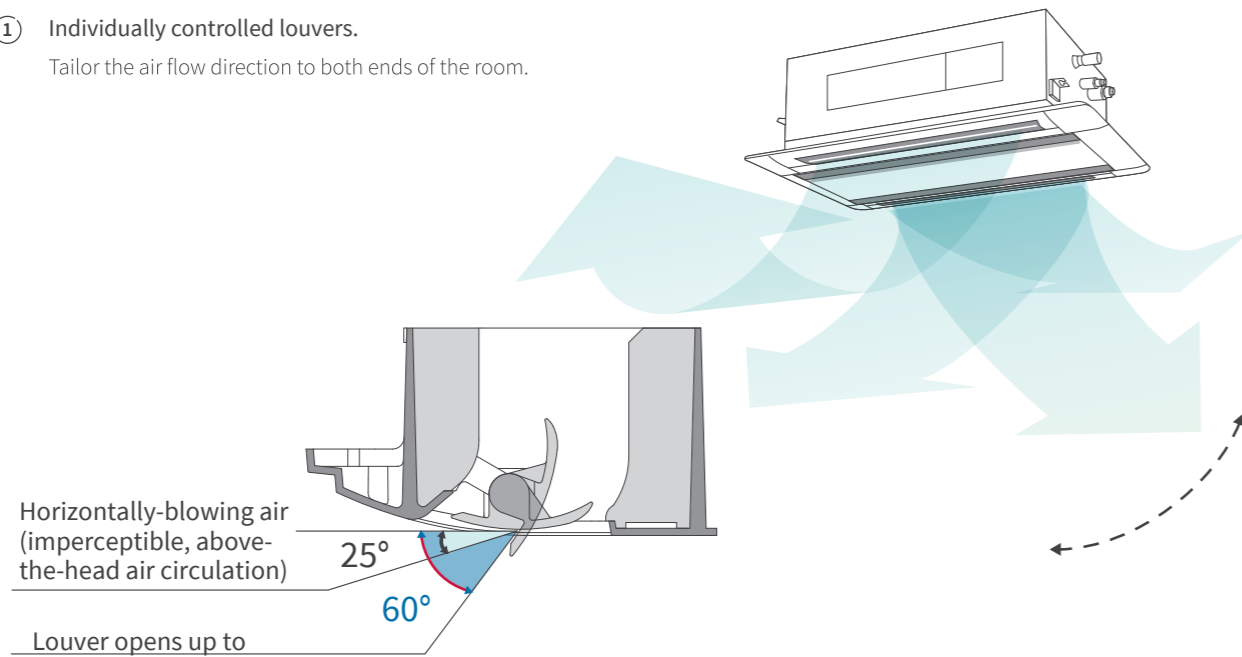
Solutions

Ceiling cassettes

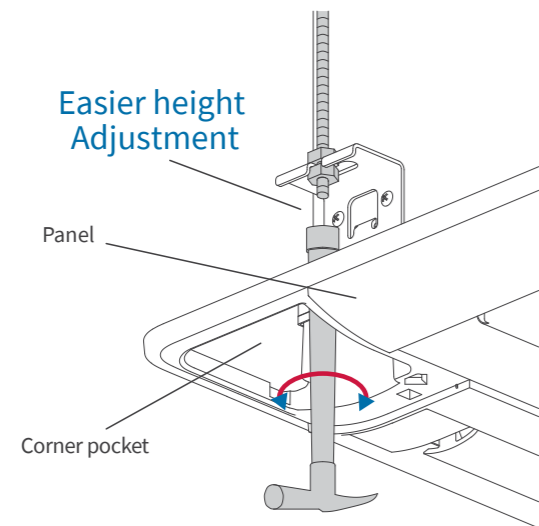


2-WAY CASSETTE
(DC) [RCD-FSR]

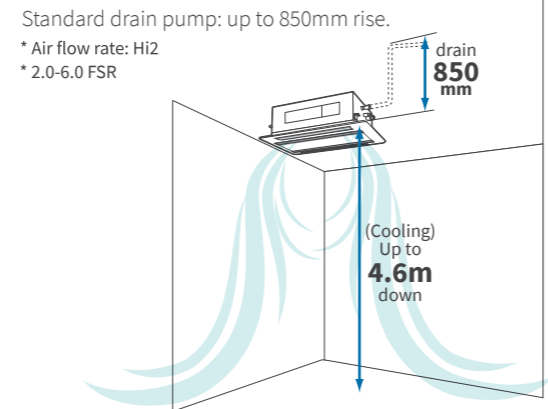
- ① Individually controlled louvers.
Tailor the air flow direction to both ends of the room.



- ② Facilitated installation.



- ③ Suitable for high ceilings.



- ④ FrostWash™

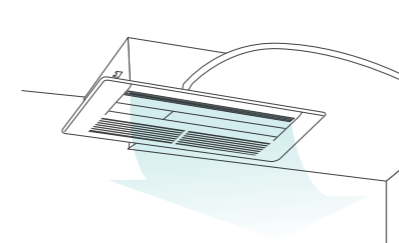


Long lasting performance
FrostWash™ can remove dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity. (See page 42)

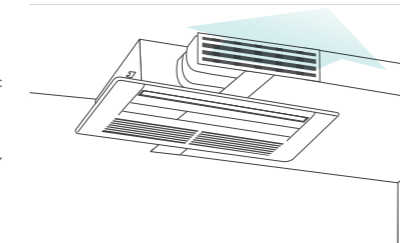


1-WAY CASSETTE
(DC) [RCS-FSR]

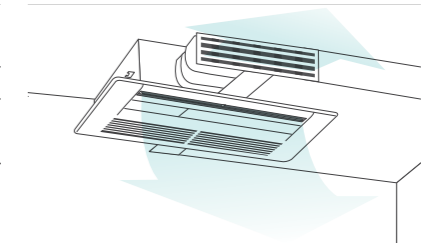
- ① 3 types of installation.



In corner with open louvers (typical).
Allows for ceiling planning for lighting and interiors, suitable for installation near the window.



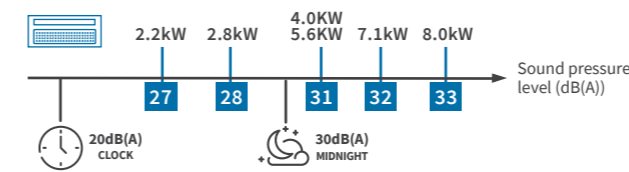
With closed louvers & ceiling horizontal vent.
Suitable for design that focuses on lighting and suspended ceilings, in case the unit is unable to be directly embedded in the ceiling.



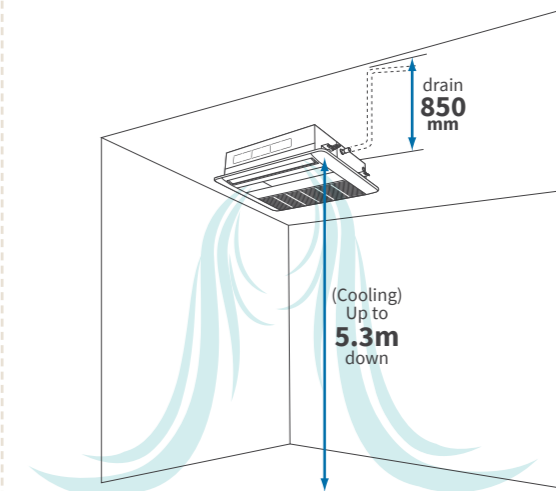
Open louver & ceiling horizontal vent.
Get two directions with 1-way cassette! Connect the cassette with a horizontal vent on the side, and create both downward air flow and horizontal air flow at the same time.

- ② Whisper quiet sound level.

Reduced sound pressure thanks to new design in fan inlet and fan.



- ④ Suitable for high ceilings.
Standard drain pump: up to 850mm lift.



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

- ③ FrostWash™



Long lasting performance
FrostWash™ can remove dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity. (See page 42)

Solutions

Other indoor units

WIDE RANGE OF MODELS FOR MINIMAL INSTALLATION WORKS

The new air365 SideSmart range offers our widest choice of indoor units to give you the versatility to complement any interior.



WALL MOUNTED (DC) [RPK-FSRM]

- Simple installation procedure
- Flexible discreet design suitable for any interior
- Setback temperature control available, leading to better operation.
- GentleCool control to ensure you are not both



WALL MOUNTED (DC) [RPK-HNBUSQ]

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



CEILING SUSPENDED (DC) [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
- ViroSense S filter as standard!
- FrostWash™ available for long-lasting air flow volume.

From 1.7kW to 16kW

Concealed & exposed indoor units

	Cooling (kW)	1.7	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1	8.0	8.4	9.0	11.2	14.0	14.2	16.0
WALL MOUNTED (DC) [RPK-FSRM]		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WALL MOUNTED (DC) [RPK-HNBUSQ]			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CEILING SUSPENDED (DC) [RPC-FSR]						•	•	•	•	•	•	•	•	•	•	•	•



FEATURES COMPARISON

Model	WALL MOUNTED		CEILING SUSPENDED
	RPK-FSRM	RPK-HNBUSQ	RPC-FSR
Temperature Setting Rate	0.5°C/1.0°C	1.0°C	0.5°C/1.0°C
Fan Speed	4 taps	6 taps	4 taps
Louver Direction	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 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	●	●	●
AutoBoost (quick function)	●	-	●
Daylight Saving Time	●	●	●
Power Consumption visualization (*2)	●	-	●
Weekly Schedule Setting	●	●	●
Power-Saving Setting (*2)	●	-	●
FrostWash™ auto-cleaning	-	-	●
Filter cleaning reminder	●	●	●
Check Menu	Sensor Condition Check	●	●
	Model Display (*2)	-	●
	Indoor/Outdoor PCB Check	●	●
	Alarm History Display	●	●
Motion Sensor	-	-	SOR-NEP
Receiver Kit for wireless remote controller	PC-ALHZ1	PC-ALHZ1	PC-ALHP1
Drain-up mechanism availability	-	-	DUPC-63K1 DUPC-71K1 DUPC-160K1
ViroSense S filter	-	-	●
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 available 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) Basic Receiver kit (PC-RLH11) is equipped with the unit in package as standard optional part with Wireless Remote Controller (PC-LH7QE).

Solutions

Other indoor units



WALL MOUNTED
(DC) [RPK-FSRM]

- 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 operation.
- 4) [Hotel Setback](#) feature available, leading to better operation.
- 5) [GentleCool](#) control to ensure you are not bothered by cold draft.



WALL MOUNTED
(DC) [RPK-HNBUSQ]



- 1) **Meet your detailed requirement & Display**
RDC fan motor help realize 6-step fan speed adjustment, more quiet and efficient. Also newly equipped display set-temperature and operation status on front cover by LED.
- 2) **Simple installation procedure.**
Refrigerant piping can be connected from the rear, base, or left of the unit, providing much greater flexibility for piping and selection of installation sites.
- 3) **Flexible design suitable for any décor.**
With smooth flat covers, the units match most modern interiors. Their compact size enables them to blend in, even in small spaces.
Compact cabinet design with 203mm depth up to 1.3HP and 230mm depth up to 2.5HP.
- 4) **Easy maintenance.**
Front flat panel keeps the unit from dust and facilitates maintenance work.
The front grille hinges open easily—no tools are needed to gain quick access to the filter.
The filter can be removed and cleaned as required.



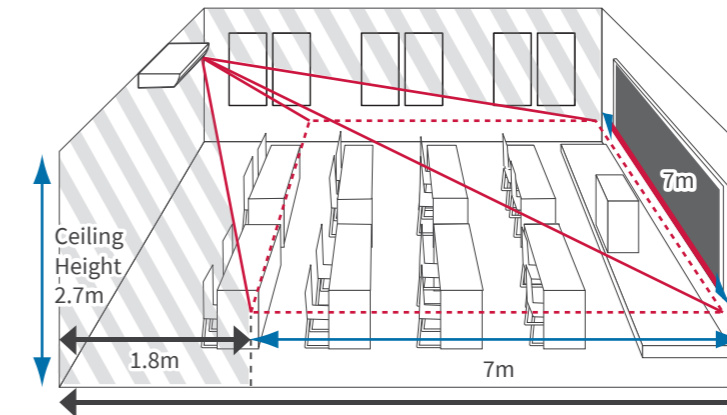
CEILING SUSPENDED

(DC) [RPC-FSR]

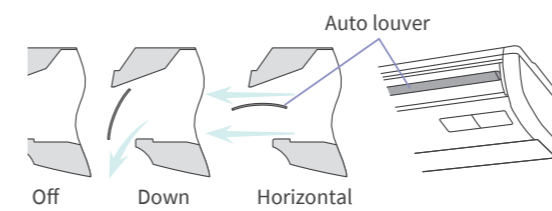


① 7m reach motion sensor (option: SOR-NEP).

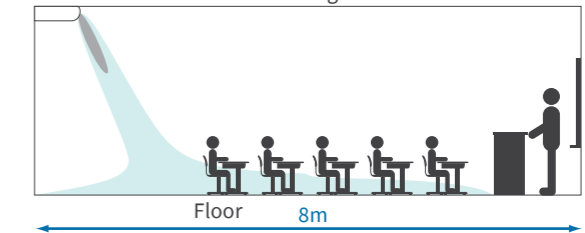
Use a motion sensor for extra savings when the room is vacant.



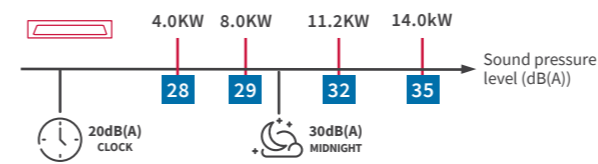
② Auto-swing available.



③ 8m air flow reach.



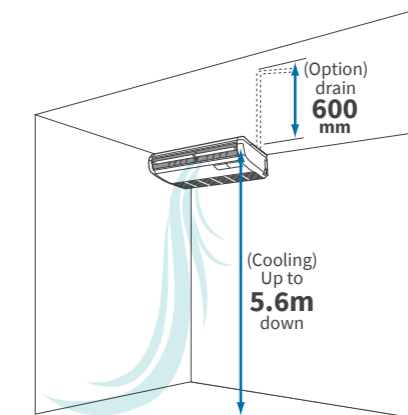
④ Decreased sound pressure, thanks to new fan inlet and fan designs.



⑥ Suitable for high ceilings.

Capacity model (HP)	1.5-3.0	4.0-6.0
Air flow height (m)	3.5	4.3

* air flow volume: high



* Air flow rate: HI2
* 4.0-6.0 FSR

⑤ FrostWash™



Long lasting performance

FrostWash™ can remove dirt from the coil and discharge it to outside together with condensate water, thus to maintain airflow and capacity. (See page 42)



Specifications & Accessories



HIGH ESP HIGH EXTERNAL STATIC PRESSURE (DC) [RPI-FSR]

Model	RPI-2.0FSR	RPI-2.5FSR	RPI-3.0FSR	RPI-4.0FSR	RPI-5.0FSR	RPI-6.0FSR	RPI-8.0FSR	RPI-10.0FSR		
Indoor Unit Power Supply	AC 1 Ø 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	45/43/40/36	50/48/46/39	
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	71/69/65/59	77/75/73/65	
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	
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 (653/582/474/423)	20/17.5/15.5/13 (706/618/494/423)	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 (2270/2000/1667/1400)	80/72/64/48 (2833/2500/2000/1667)
	External Pressure (*3)	Pa	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)				Braze connection				
Refrigerant Piping	Liquid Line	mm	Φ6.35	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	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)	F-56LI							
		2.5-3.0 (HP)	F-90LI							
		4.0-6.0 (HP)	F-160LI							
Filter Box for Long-Life Filter		2.0 (HP)	B-56LI							
		2.5-3.0 (HP)	B-90LI							
		4.0-6.0 (HP)	B-160LI							
Long-Life Filter Kit/ Long-Life Filter		8.0-10.0 (HP)	F-280LI							
Motion Filter Box Sensor		8.0-10.0 (HP)	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
 Indoor Air Inlet Temperature:.....27.0°C DB
 Outdoor Air Inlet Temperature:.....19.0°C WB
 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
 Outdoor Air Inlet Temperature:.....35.0°C DB
 Piping Length:7.5 metre
 Piping Lift:0 metre
 2. The sound pressure level is based on following conditions. 1.5 metre Beneath the Unit. 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 MEDIUM EXTERNAL STATIC PRESSURE (DC) [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 1 Ø 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	250×1,050×800	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 (706/618/494/423)	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)	
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	
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	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)	F-56LI								
		2.5-3.0 (HP)	F-90LI								
		4.0-6.0 (HP)	F-160LI								
Filter Box for Long-Life Filter		0.8-2.0 (HP)	B-56LI								
		2.5-3.0 (HP)	B-90LI								
		4.0-6.0 (HP)	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
 Indoor Air Inlet Temperature:.....27.0°C DB
 Outdoor Air Inlet Temperature:.....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
 Outdoor Air Inlet Temperature:.....35.0°C DB
 Piping Length:7.5 metre
 Piping Lift:0 metre
 2. The sound pressure level is based on following conditions. 1.5 metre Beneath the Unit. 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 HIGH EXTERNAL STATIC PRESSURE (AC) [RPIH-HNAUB1Q, RPI-FSNQH]

Model	RPIH-3.0HNAUB1Q	RPIH-3.3HNAUB1Q	RPIH-4.0HNAUB1Q	RPIH-5.0HNAUB1Q	RPIH-6.0HNAUB1Q	RPI-8.0FSNQH	RPI-10.0FSNQH		
Indoor Unit Power Supply	AC 1 Ø 220V 60Hz								
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)					Braze connection		
Refrigerant Piping	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
Diameter	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	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-HNAUN1Q		DUPI-361Q					
		RPI-FSNQH		DUPI-15HZQ					
Air filter		3.0-4.0 (HP)		KW-PP9Q					
		5.0-6.0 (HP)		KW-PP10Q					
AQtiv-Ion Kit		PRIH-HNAUN1Q							

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



Specifications & Accessories

NEW

MEDIUM ESP MEDIUM EXTERNAL STATIC PRESSURE (AC) [RPIM-HNAUB1Q]



Model		RPIM-0.8HNAUB1Q	RPIM-1.0HNAUB1Q	RPIM-1.3HNAUB1Q	RPIM-1.5HNAUB1Q	RPIM-1.8HNAUB1Q	RPIM-2.0HNAUB1Q	RPIM-2.3HNAUB1Q	RPIM-2.5HNAUB1Q	
Indoor Unit Power Supply		AC 1 Ø 220V 60Hz								
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1
	Heating	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5
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
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
Net Weight		kg	24	24	25	25	31	31	32	32
Refrigerant			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
External Static Pressure (*3)		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)
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	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			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

Receiver Kit	Basic	Advanced	PC-RLH11	PC-ALHZ1
Condensate Drain Pump Kit	0.8-2.5 (HP)	8.0-10.0 (HP)	DUPI-131Q	DUPI-15H2Q
Air filter	0.8-1.5 (HP)	1.8-2.5 (HP)	KW-PP7Q	KW-PP8Q
AQtiv-Ion Kit	PRIM-HNAUN1Q		JK-LZAQ	

Notes:

- 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	Heating Operation Conditions Indoor Air Inlet Temperature:.....20.0°C DB Outdoor Air Inlet Temperature:.....7.0°C DB 6.0°C WB
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- 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.
- The data for external pressure (*3) indicates *Standard Pressure Setting values when a filter is not used.



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



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 1 Ø 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	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Piping Diameter	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	3-Way Outlet Parts Set	PI-160LS2
	Standard (without sensor)	P-AP160NA3	T-Pipe Connection Kit	TKCI-160K
Receiver kit	Advanced	PC-ALH3	Deodorant Air Filter	1.0-2.5 (HP) 3.0-6.0 (HP)
Condensate Drain Pump Kit		- (Standard)	Filter Box	F-71L-D1 F-160L-D1
Duct Adapter		PD-75A	ViroSense Z2 filter	B-160H3
Fresh Air Intake Kit		OACI-160K3	ViroSense S filter	F-160L-ZV - (Standard)

Notes:

- 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	Heating Operation Conditions Indoor Air Inlet Temperature:.....20.0°C DB Outdoor Air Inlet Temperature:.....7.0°C DB 6.0°C WB
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- 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 (DC) [RCI-FSKDN1Q]



Model		RCI-1.0FSKDN1Q	RCI-1.5FSKDN1Q	RCI-2.0FSKDN1Q	RCI-2.3FSKDN1Q	RCI-2.5FSKDN1Q	RCI-3.0FSKDN1Q	RCI-4.0FSKDN1Q	RCI-5.0FSKDN1Q	RCI-6.0FSKDN1Q	
Indoor Unit Power Supply		AC 1 Ø 220V 60Hz									
Nominal Capacity	Cooling	kW	2.8	4.0	5.6	6.3	7.1	8.0	11.2	14.0	16.0
	Heating	kW	3.2	4.8	6.3	7.1	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	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	238×840×840	288×840×840	288×840×840	288×840×840	288×840×840
Net Weight		kg	20	21	21	22	22	26	26	26	26
Refrigerant			R410A	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	27/23/18/14	37/31/24/20	37/33/26/21	37/35/28/22
Connections		Flare-Nut Connection (with flare Nuts)									
Refrigerant	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Piping Diameter	Gas Line	mm	Φ12.7	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	VP25
Approximate Packing Volume		m ³	0.21	0.21	0.21	0.21	0.21	0.25	0.25	0.25	0.25

Decoration Panel	- (Standard)		Condensate Drain Pump Kit	- (Standard)
	Twin-Sense panel	P-AP160NAE2 + OPT-EZJ01	ViroSense Z2 filter	F-160L-ZV
Receiver Kit	Basic	HR4A10NEWQ	ViroSense S filter	- (Standard)
	Advanced	PC-ALH3		

Notes:

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

Cooling Operation Conditions Indoor Air Inlet Temperature:.....27.0°C DB (80.0°F DB) 19.0°C WB (66.2°F WB)	Heating Operation Conditions Indoor Air Inlet Temperature:.....20.0°C DB (68.0°F DB) Outdoor Air Inlet Temperature:.....7.0°C DB (45.0°F DB) 6.0°C WB (43.0°F WB)
--	--
- 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.
- Decoration panel is included.

Specifications & Accessories

SILENT-ICONIC™ 4-WAY CASSETTE DESIGN PANEL FOR 4-WAY CASSETTE [RCI-FSRP]



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



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



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 1 Ø 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	39	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	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Piping Diameter	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)		P-AP90DNA						0.8-3.0 (HP)	F-90MD-K1	
	4.0-6.0 (HP)		P-AP160DNA						4.0-6.0 (HP)	F-160MD-K1	
Receiver kit	Advanced		PC-ALHD1						0.8-3.0 (HP)	B-90HD	
Motion Sensor			SOR-NED						4.0-6.0 (HP)	B-160HD	
Condensate Drain Pump Kit			-(Standard)						ViroSense S filter		
Duct Adapter			PD-150D						-(Standard)		

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
 Outdoor Air Inlet Temperature:..... 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
 Outdoor Air Inlet Temperature:..... 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 into consideration in the field.

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



Model	RCS-0.8FSR	RCS-1.0FSR	RCS-1.5FSR	RCS-2.0FSR	RCS-2.5FSR	RCS-3.0FSR			
Indoor Unit Power Supply	AC 1 Ø 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	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	
Piping Diameter	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)		P-AP36CNA				Duct Adapter	PD-100	
	1.5-2.0 (HP)		P-AP56CNA				Grille for	0.8-2.0 (HP) DG-56SW1	
	2.5-3.0 (HP)		P-AP80CNA				Front Discharge	2.5-3.0 (HP) DG-80SW1	
Receiver kit	Advanced		PC-ALHS1				Air Outlet Shutter Plate	0.8-2.0 (HP) PIS-56LS	
Motion Sensor			SOR-NES					2.5-3.0 (HP) PIS-80LS	
Condensate Drain Pump Kit			-(Standard)				ViroSense S filter	-(Standard)	

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
 Outdoor Air Inlet Temperature:..... 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
 Outdoor Air Inlet Temperature:..... 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 into consideration in the field.

Specifications & Accessories



WALL MOUNTED (DC) [RPK-FSRM]

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 1 Ø 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								

Notes:

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

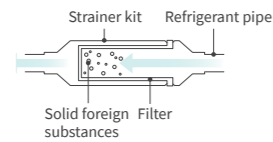
Cooling Operation Conditions
 Indoor Air Inlet Temperature: 27.0°C DB
 19.0°C WB
 Outdoor Air Inlet Temperature: 35.0°C DB
 Piping Length: 7.5 metre
 Piping Lift: 0 metre

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.

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.



CEILING SUSPENDED (DC) [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 1 Ø 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)	DUPC-63K1							
	2.0 (HP)	DUPC-71K1							
	2.5-6.0 (HP)	DUPC-160K1							
ViroSense S filter		- (Standard)							

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.

WALL MOUNTED (DC) [RPK-HNBUSQ]



Model		RPK-0.8HNBUSQ	RPK-1.0HNBUSQ	RPK-1.3HNBUSQ	RPK-1.5HNBUSQ	RPK-1.8HNBUSQ	RPK-2.0HNBUSQ	RPK-2.3HNBUSQ	RPK-2.5HNBUSQ	
Indoor Unit Power Supply		AC 1 Ø 220V 60Hz								
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.3	4.0	4.5	5.6	6.3	7.1	8.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	36/35/33/32/30/28	36/35/33/32/30/28	38/35/33/32/30/28	38/37/36/32/31/29	44/42/41/38/31/29	40/38/36/35/33/31	41/40/38/35/33/31	45/42/41/38/35/31
Color		White								
Outer Dimension	(H×W×D)	mm	270×815×203	270×815×203	270×815×203	315×915×230	315×915×230	315×1085×230	315×1085×230	315×1085×230
Net Weight		kg	9.0	9.0	9.0	12.5	12.5	14.0	14.0	14.0
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m ³ /min	9.8/9.2/8.7/8.2/7.5/7.0	9.8/9.2/8.7/8.2/7.5/7.0	10.3/9.2/8.7/8.2/7.5/7.0	11.5/11.0/10.3/9.0/8.7/8.0	14.3/13.5/12.8/11.5/9.0/8.0	16.2/15.0/14.2/13.3/12.2/11.5	17.0/16.2/15.0/14.0/13.3/12.2/11.5	20.0/18.0/17.0/15.0/13.3/11.7
Connections		Flare-Nut Connection (with Flare Nuts)								
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
	Gas Line	mm	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP16	VP16	VP16	VP16	VP16	VP16	VP16	VP16
Approximate Packing Volume		m ³	0.11	0.11	0.11	0.15	0.15	0.17	0.17	0.17
Receiver kit	Basic	PC-RLH11								
	Advanced	PC-ALHZ1								
Strainer kit		MSF-NP63A1								

Notes:

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

Cooling Operation Conditions
 Indoor Air Inlet Temperature: 27.0°C DB (80.0°F DB)
 19.0°C WB (66.2°F WB)
 Outdoor Air Inlet Temperature: 35.0°C DB (95.0°F DB)
 Piping Length: 7.5 metre
 Piping Lift: 0 metre

Heating Operation Conditions
 Indoor Air Inlet Temperature: 20.0°C DB (68.0°F DB)
 Outdoor Air Inlet Temperature: 7.0°C DB (45.0°F DB)
 6.0°C WB (43.0°F WB)
 Piping Length: 7.5 metre
 Piping Lift: 0 metre

2. The sound pressure level is based on following conditions.

1.0 metre Beneath the unit.
 1.0 metre from Discharge grille.
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
 When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.





Inverter Package



QUICK COMFORT

Energy Efficiency

It uses minimal electricity to achieve maximum cooling and regulates a constant comfortable temperature for energy efficiency.

Power Saving

Ideal for office spaces and shops that have extended operating hours.

AION Filter

The indoor unit is equipped with high efficiency AION Air Filter Net that filters out germs and allergens such as dust, pollen and fungi.



EASY INSTALLATION

General Data

						PACKAGE TYPE INVERTER INDOOR				
MODEL NAME			RPS-140AN	RPS-160F	RPS-225F (D)	RPS-280F (D)	RPS-335F (D)			
POWER SUPPLY		60 HZ	AC 1 Phase, 220V	AC 1 Phase, 220 V	FD AC 3 Phase 380V					
DIMENSIONS (WxHxD)	Free Blow	mm	600 x 350 x 1900	950 x 1,950 x 500	1,250 x 1,950 x 500		1,400 X 1,950 X 500			
	Duct Type	mm	-	950 x 1,730 x 500	1,250 x 1,730 x 500		1,400 X 1,730 X 500			
COOLING CAPACITY		kW	14.1	16.0	22.5	28.0	33.5			
NOMINAL POWER CONSUMPTION		kW	-	0.45	0.43	0.585 / 0.510		0.68		
AIR VOLUME		m ³ /min	32	44 - 38	66	78	88			
REFRIGERANT PIPING	Gas	mm	15.88	15.88 Nut	19.05 Nut	22.2 Brazing		25.4 Brazing		
	Liquid	mm	9.53	9.53 Nut	9.53 Nut	9.53 Nut		12.7 Nut		
PRODUCT WEIGHT		kg	68	115	155	158	185			
SOUND PRESSURE		dB (A)	-	56 - 54	58	59	61			
REMOTE ACCESORIES			PC-ARQ		PC-AT or PA-ARFV					
EXTERNAL STATIC PRESSURE	Standard	Pa	-	50 / 120	40	30	100			
	High		-		150	150	200			

Indoor Temperature:
 Maximum : 32°C (DB) / 23°C (WB)
 Minimum : 21°C (DB) / 15°C (WB)





Our ventilation 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 a Hitachi indoor unit via the fresh-air port. Thanks to our ventilation options, 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 the fresh air and heat/cool functions.
- Various controllers can be selected and interfaced with the H-LINK system.
- Longer ducts can be connected on-site, thanks to the higher ESP.



EXTRA AIR-RENEWAL SOLUTION OFFERINGS

We offer two additional options to meet both occupants' needs and your building's requirements.

DX-KIT

- Offers great flexibility by enabling you to integrate Hitachi VRF into your building's existing air handling units (AHU).
- Wide capacity range (available up to 96HP AHU).
- Wide configuration options with AHU/Indoor units.



FRESH-AIR INTAKE PORT



- Optional duct adapter which enables fresh air into the unit so that it can be blown out with conditioned air.
- Connects with the indoor units: 4-way cassette type, 4-way compact cassette type, 2-way cassette type, 1-way cassette type.



Ventilation solutions



ALL FRESH AIR UNIT

Model		RPI-5.0KFNQ	RPI-8.0KFNQ	RPI-10.0KFNQ	
Power Supply		AC 1Φ 220V/ 60Hz	AC 1Φ 220V/ 60Hz	AC 1Φ 220V/ 60Hz	
Cooling	Capacity	kW	14.0	22.4	28.0
	Power	kW	0.35	0.55	0.58
	Nominal Current	A	1.61	2.53	2.65
Heating	Capacity	kW	13.7	21.9	24.5
	Power	kW	0.35	0.55	0.58
	Nominal Current	A	1.61	2.53	2.65
Sound Pressure Level (overall a scale)		dB(A)	42	44	47
Dimensions H×W×D		mm	370×1320×800	486×1270×1069	486×1270×1069
Net Weight		kg	63	110	110
Refrigerant			R410A	R410A	R410A
Air Flow Rate		m ³ / min	18	28	35
External Pressure		Pa	200	220	220
Piping	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ19.05	Φ22.2
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		

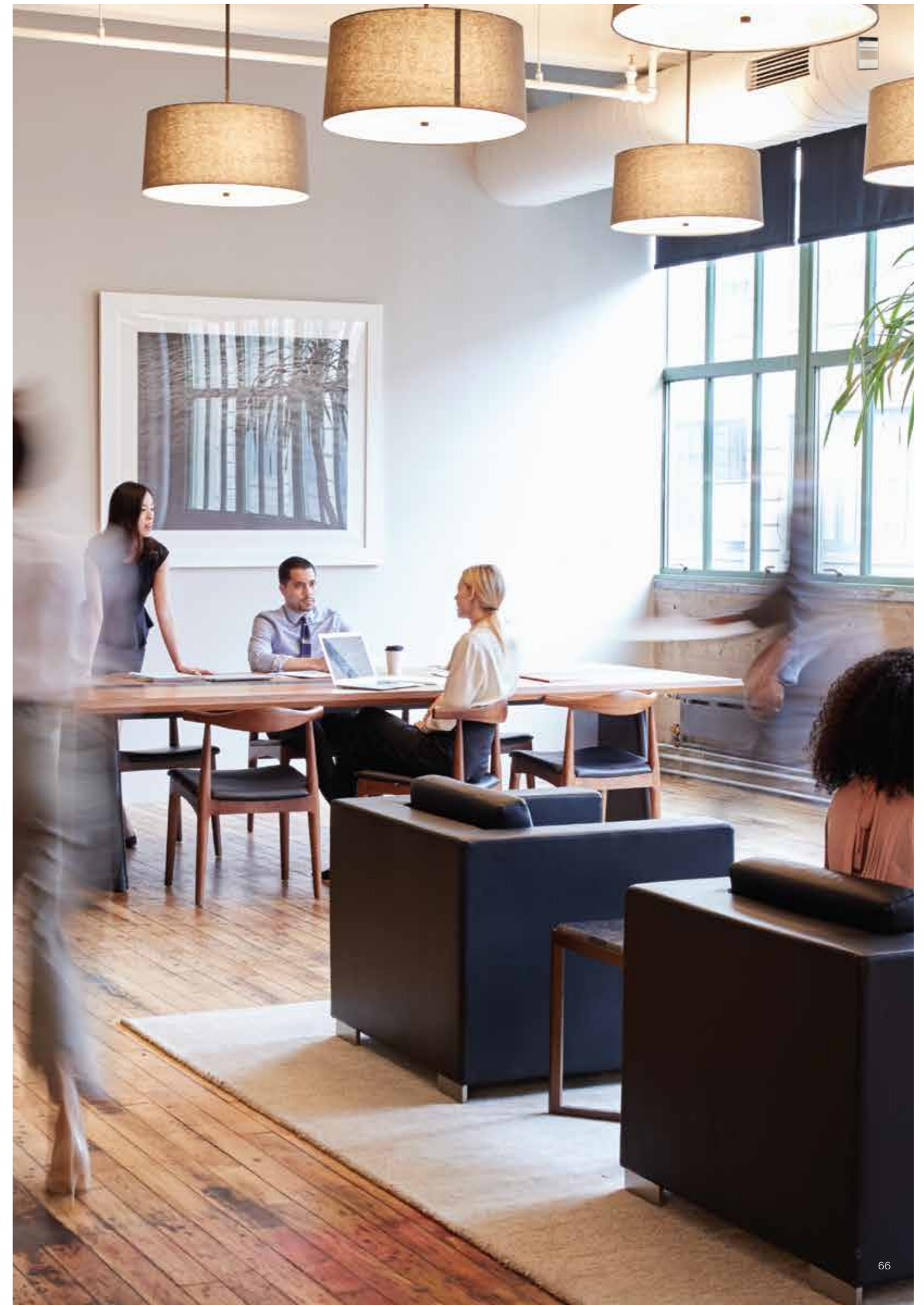
Notes:

- Cooling capacity and heating capacity tested 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).
- 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.
- An air filter with dust removal efficiency of 50% or more needs to be installed at the air inlet.
- 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.
- Air processor can only be used for processing fresh air, indoor air conditioning load processing need to use other air conditioners.
- Fresh air processing unit should be connected with Slim Modular VRF air365 SideSmart, Heat Pump Type, outdoor unit.
When fresh air processing unit and other indoor units air all connected to the same air365 SideSmart 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.
- Refer to capacity restrains shown on Table below for indoor unit capacity connectable to outdoor unit.

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

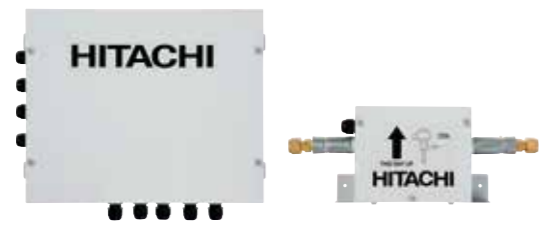
Mixed system is only available with RPI-5.0/8.0/10.0KFNQ.

- 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.

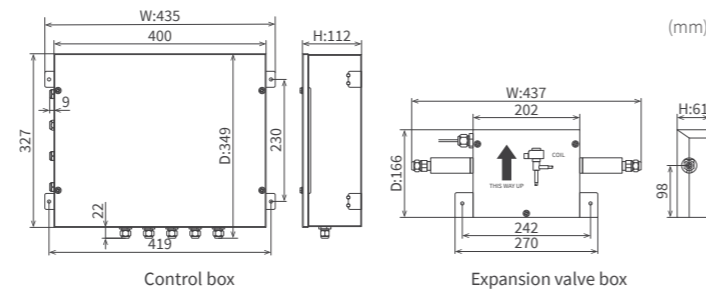


DX-Kit

Integrate Hitachi VRF into your pre-existing Air Handling Units (AHU).



Dimensions



Capacity (HP)	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)	AC 1 Ø 220V 60Hz					
Power Supply	AC 1 Ø 220V 60Hz					
Height	mm	112	112	112	112	112
Width	mm	435	435	435	435	435
Depth	mm	349	349	349	349	349
Weight	kg	5.2	5.2	5.2	5.2	5.2
Material	Steel Plate + White Grey Coating					
Expansion Valve Box (EXV Box)	Steel Plate + White Grey Coating					
Height	mm	61	61	61	61	61
Width	mm	437	437	437	437	437
Depth	mm	166	166	166	166	166
Weight	kg	1.7	1.7	1.7	1.7	1.7
Quantity		1	1	1	1	2
Material	Steel Plate + White Grey Coating					
Liquid Pipe Diameter		φ6.35	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")						
<ul style="list-style-type: none"> • 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 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						
• 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.)						
Maximum Piping Length	Total	m	5	5	5	5
	Between AHU Heat Exchanger and EXV Box	m	5	5	5	5
Maximum Level Difference	Between ODU and [AHU/IDU]	m	• 50 (When ODU is above [AHU & IDU & DX-Kit].)			
	Between AHU Heat Exchanger and EXV Box	m	• 40 (When ODU is below [AHU & IDU & DX-Kit].)			
Maximum Length	Control wiring between AHU Heat Exchanger and EXV Box	m	10	10	10	10
	Thermistor to AHU Heat Exchanger from C Box	m	10	10	10	10
Temperature Control Modes (*1)						
<ul style="list-style-type: none"> • Inlet Air Temperature Control • Outlet Air Temperature Control • Duty Control 						

(*1) [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)".

DX-KIT: GREAT FLEXIBILITY FOR SIMPLIFIED HVAC UPGRADE

① Wide range of capacity:

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

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

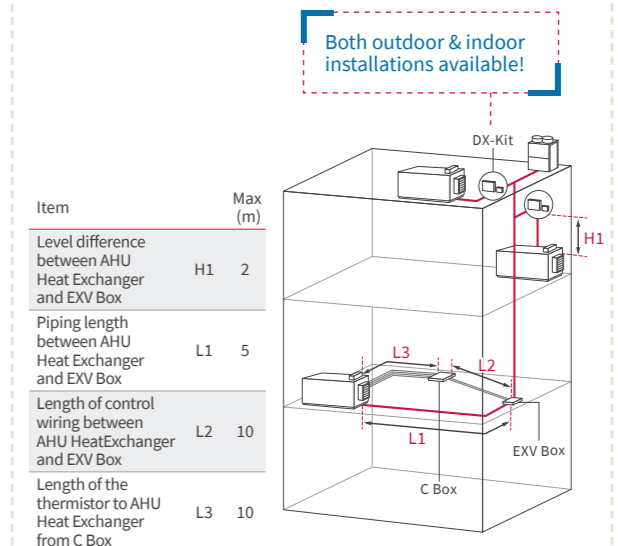


DX-Kit Above : Expansion Valve Box (EXV Box). Below : Control Box (C Box).

② Flexible installation:

- Both outdoor & indoor installation of DX-Kit available
- Design Flexibility in wiring & piping

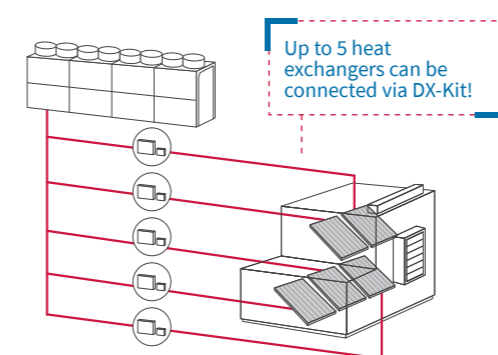
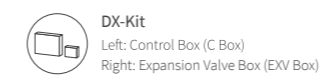
DX-Kit facilitates system design!



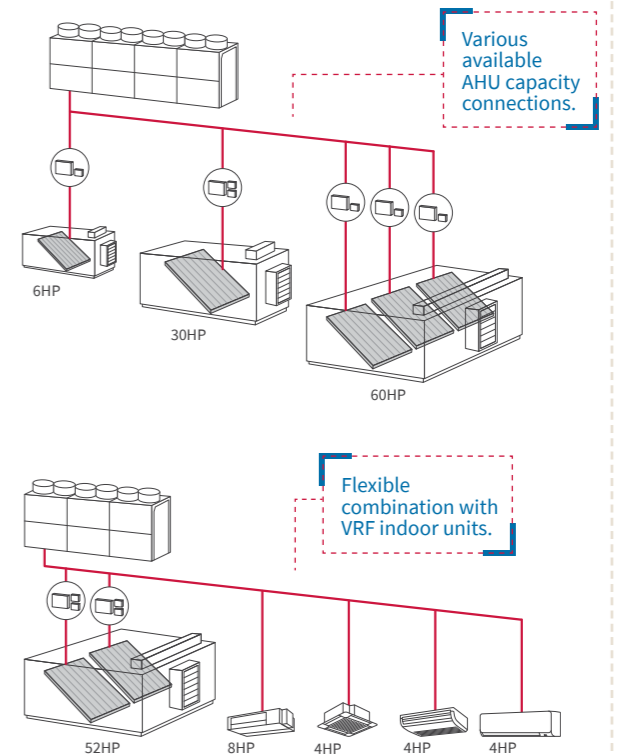
③ 4 examples of configuration:

- 1 VRF outdoor unit + 1 AHU
- 1 VRF outdoor unit + 1 AHU (external heat exchanger)
- 1 VRF Outdoor unit + multiple AHUs
- 1 VRF Outdoor unit + VRF indoor units + AHUs

[Example]



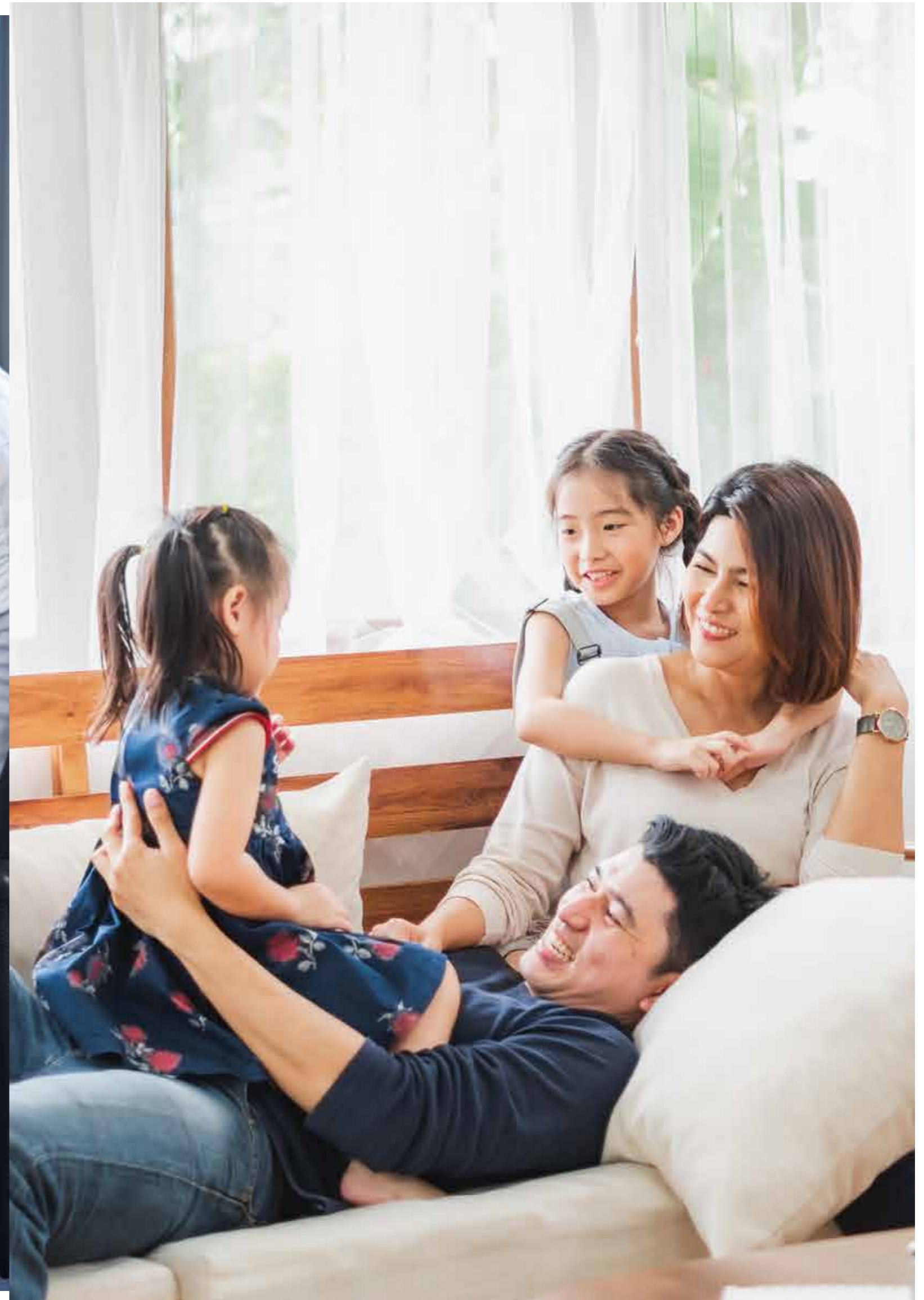
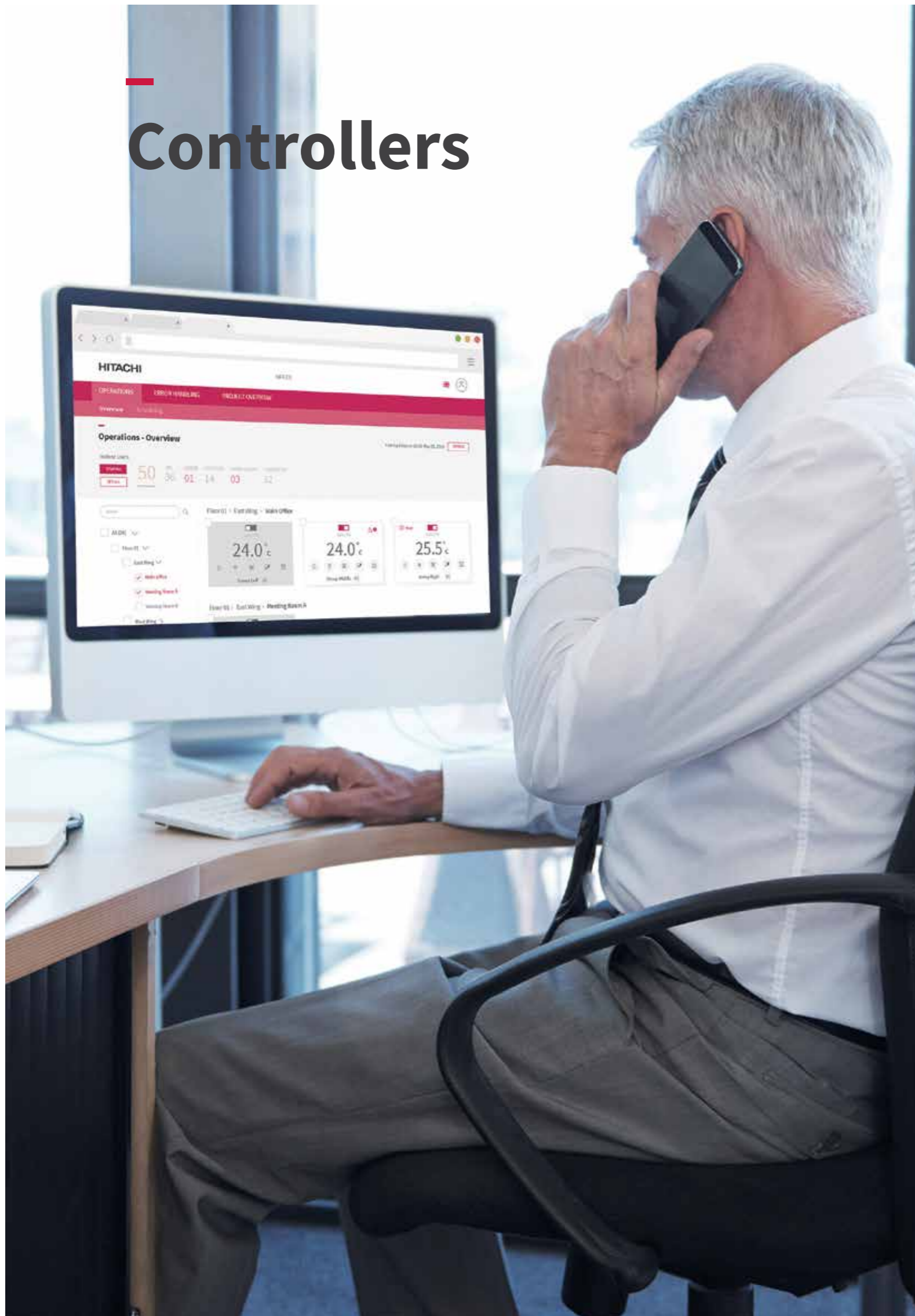
Up to 5 heat exchangers can be connected via DX-Kit!



Various available AHU capacity connections.

Flexible combination with VRF indoor units.

Controllers



A new generation of room controller now available!

With two new room controllers, the experience of controls has become easier and more stylish than ever

NEW ADVANCED-COLOR CONTROLLER (PC-ARFG1-*)



Contactless settings via airCloud Tap

Complete controls in a rich interface

- Colored screen displaying visual charts and descriptive texts
- Access to all existing Hitachi VRF indoor unit features including user features settings, installation & maintenance features settings.
- Energy consumption monitoring
- Ideal for indoor units with motion sensors, cassettes with elevating grilles
- Multiple languages available

*Except Sleep Mode timer

NEW ECO-COMPACT CONTROLLER (PC-ARC-*)



Contactless settings via airCloud Tap

Value without compromise

- Segment screen displaying pictograms
- Essential controls in a glimpse
- On/Off weekly schedule
- Some extra advanced features such as GentleCool, Power-Saving Peak-Cut mode and Sleep Mode Timer
- Embedded IR receiver, ideal for ducted units

Still available for order

WIRED REMOTE CONTROLLER (HCWA10NEGQ)



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

Controls from anywhere in the room

ADVANCED WIRELESS REMOTE CONTROLLER (PC-AWR)



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

WIRELESS REMOTE CONTROLLER (PC-LH7QE)



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

FROM BASIC TO ADVANCED CONTROLS

		NEW PC-ARFG1	NEW PC-ARC	HCWA10NEGQ	PC-AWR	PC-LH7QE
Connection Capacity	No of RC-Group	1	1	1	-	-
	No of indoor units	16	16	16	-	-
Product Size	Width*Height*Depth (mm)	120*120*16.5 (D: thinnest part)	90*90*15.5 (D: thinnest part)	88*88*15.5	140*55*16.8	140*52*19.3
Screen		Color LCD with backlight	Segment LCD with backlight	Segment LCD with backlight	Segment LCD	Segment LCD
Embedded IR receiver		-	●	-	-	-
Smartphone App	Use With Aircloud Tap	● (support NFC)	● (support NFC)	-	-	-
Essential Operations	Run / Stop	●	●	-	●	●
	Operation Mode	●	●	●	●	●
	Auto Mode Setting	●	●	●	●	●
	Temperature Setting	●	●	●	●	●
	Fan Speed	●	●	●	●	●
	Louver Direction	●	●	●	●	●
	Simple Timer	●	● (On/Off Timer)	● (On/Off Timer)	● (On/Off Timer)	● (On/Off Timer)
	Weekly Operation Schedule	●	●	●	-	-
	Power Savings Setting	●	● (Capacity Control only)	-	-	-
	Night Quiet Operation	●	-	-	-	-
Power Savings/Night Quiet Schedule	●	-	-	-	-	
Power Consumption Display	●	-	-	-	-	
AutoBoost	●	●	-	-	-	
Comfort Setting	●	● (GentleCool only)	-	-	-	
Sleep Mode	-	-	-	-	-	
Advanced Feature Settings	Motion Sensor Setting (1)	●	-	-	-	-
	Setback Setting	●	-	-	-	-
	Elevating Grille	●	-	-	-	-
	Filter Reminder Time Reset	●	●	●	●	●
	Filter Auto-Cleaning (1)	●	-	-	-	-
	FrostWash Setting (1)	●	-	-	-	-
	Individual Louver Setting	●	●	●	-	-
	Louver Open/Close	●	-	-	-	-
	Ventilation	●	-	-	-	-
	Total Heat Exchanger SET	●	-	-	-	-
Display Settings	Adjusting Date/Time	●	●	●	-	-
	Daylight Saving Time	●	-	-	-	-
	Run Indicator Brightness Adjustment	●	● (Only On/Off setting)	-	-	-
	Display Adjustment	●	-	-	-	-
	Temperature Units (°C/°F)	●	●	●	●	- (°C only)
	Temperature setting at 0.5°C step	●	●	●	●	- (1.0°C only)
	Room Temperature Display	●	●	●	-	-
	Language available	EN, JPN, CN (traditional & simplified), FR, ES, PT	EN	EN	EN	EN
	Keypad Touch Sound	●	●	● (Cannot turn off)	-	-
	Lock Function	●	● (Lock function individually)	● (Lock whole keypad)	-	-
Password Setting	●	-	-	-	-	
Hotel Mode	●	-	-	-	-	
Power Saving Details Setting	●	-	-	-	-	
Temperature Range Restriction	●	● (in Function Selection)	● (in Function Selection)	-	-	
Service Functions	Dual Setpoint	●	-	-	-	-
	Main/Sub Display	●	-	-	-	-
	Set Room Name	●	-	-	-	-
	Set Contact Information	●	-	-	-	-
	NFC Setting	●	●	-	-	-
	Simple Maintenance Check Menu	●	-	-	-	-
	Test Run	●	●	●	-	-
	Function Selection	●	●	●	-	-
	Thermistor Selection	●	● (in Function Selection)	● (in Function Selection)	-	-
	Input/Output	●	●	●	-	-
Thermistor Calibration in Controller	●	● (in Function Selection)	-	-	-	
Fan Speed At Thermo-Off	●	● (in Function Selection)	● (in Function Selection)	-	-	
Installation Functions	Indoor Unit Address Change	●	●	●	-	-
	Address Check Operation	●	-	-	-	-
	Address Initialization	●	-	-	-	-
	Setting Initialization	●	●	-	-	-
	Main/Sub Controller Setting	●	●	●	-	-
	Priority Setting	●	-	-	-	-
	Cancel Preheating Control	●	-	-	-	-
	Elevating Grille Setting	●	-	-	-	-
	Power Up Setting	●	-	-	-	-
	Setback Trigger Unit	●	-	-	-	-
Refrigerant Leak Sensor Setting	●	-	-	-	-	
Check Menu	Check 1	●	●	●	-	-
	Check 2	●	●	●	-	-
	Alarm History Display	●	●	●	-	-
	Display Model Number	●	-	-	-	-
	Check PCB of the Units	●	-	-	-	-
Self Check	●	●	●	-	-	
Other features	Synchronize Date/ time with Central Controller	● (Only available from Central Station EX PSC-A128EX3)	● (Only available from Central Station EX PSC-A128EX3)	-	-	-
	Stop operation delay	●	●	-	-	-
	Emergency operation	●	●	-	-	-
	Two WRC Control	●	●	-	-	-
	Alarm Display	●	●	●	-	-
Filter cleaning reminder sign display	●	●	●	-	-	

(*1) Available when the controller is connected with selected indoor unit offering this feature.

Individual controllers

NEW ADVANCED COLOR WIRED REMOTE CONTROLLER (PC-ARFG1)

Simplicity with style

Combining the best of form and function, enjoy climate control made easy with Hitachi's most advanced wall controller yet.



- Super user-friendly interface
- Easy-to-navigate menus
- Available in 7 languages
- Pictograms and colors for an optimal user experience

Award-winning design

- Minimalist design aesthetic
- Distinctive curves for ergonomics
- Modern and subtle colors

With Near-field communication (NFC) contactless-enabled system commissioning via the airCloud Tap smartphone app, you can now save, copy, and paste settings to the Advanced Color Controller with a simple tap.



- 1 Room name
- 2 Set temperature
- 3 Operation mode
- 4 Indoor unit ON/OFF light
- 5 Indoor unit ON/OFF
- 6 Navigation buttons
- 7 Back button
- 8 OK button
- 9 Fan speed
- 10 Louver direction
- 11 Access to menu
- 12 Filter cleaning reminder

Outer dimensions (H×W×D)

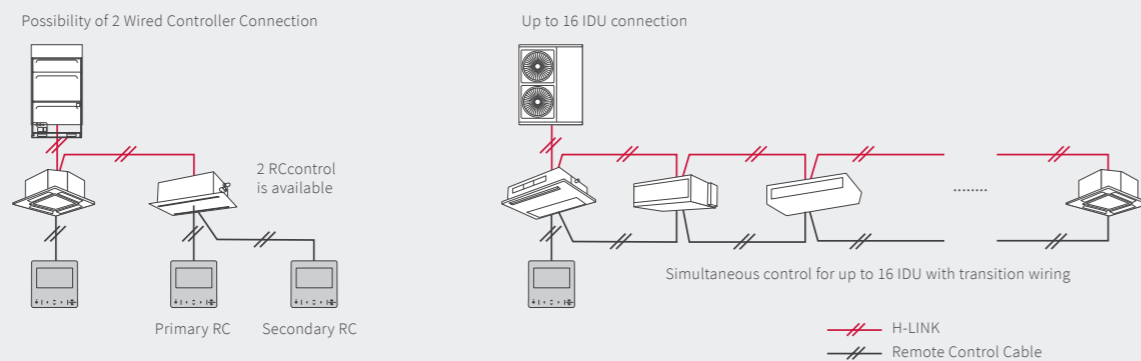
120×120×16.5mm (thinnest part)
120×120×21.5mm (thickest part)

Capacity

Power Supply	Powered by indoor unit, 15VDC±10% 180g (approx.)
Installation	Indoor, on the wall or switch box
Connection capacity	Up to 16 indoor units (with the same wired remote controller)
▲ Display	When two wired Advanced Controller units are connected to the same indoor unit, the maximum brightness of each controller will be halved

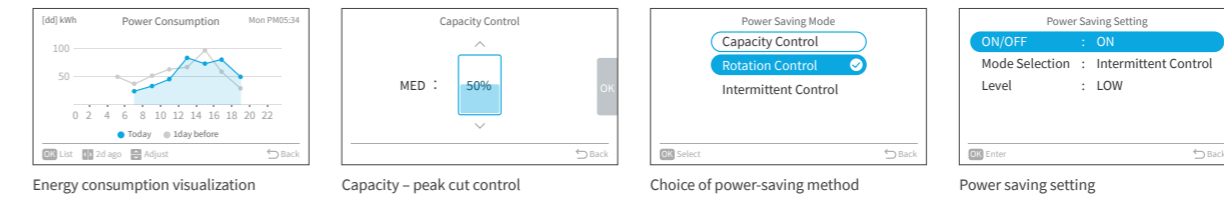
* H is the height of the unit from the front, without the protrusion at the bottom.

System configuration example



Energy optimization

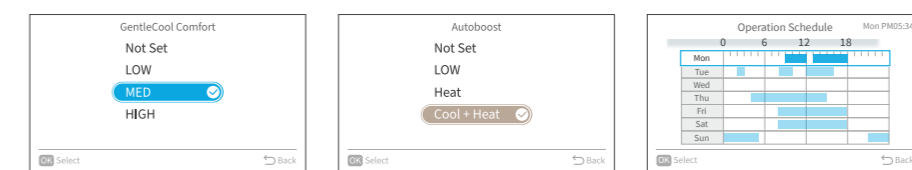
Power-saving features enable VRF system operators to optimize energy usage



Set specific schedules for features like peak capacity cuts and the thermal operation rotation of indoor units, enabling you to match energy-saving operation hours with your utility tariffs plan. Building managers can also set the minimum and maximum temperature range for occupants and visualize energy consumption with daily, weekly or monthly comparison options.

From basic to advanced functions

Users can control the main temperature settings from Advanced-Color controller's main screen. In addition, more advanced comfort settings help customizing the air to their occupants' specific needs.



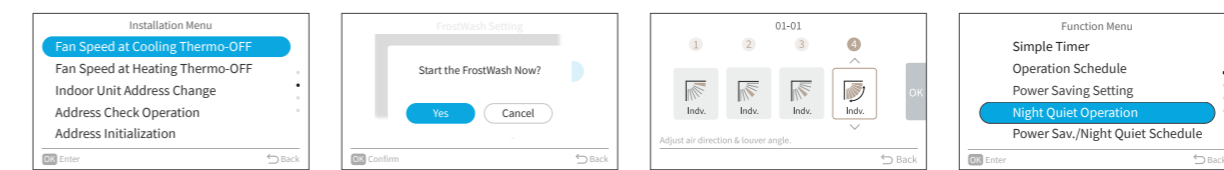
GentleCool limits the temperature of conditioned air, preventing cold drafts for optimal comfort.

AutoBoost automatically activates for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster.

AC Scheduling is easier than ever, thanks to flexible features such as the holiday calendar.

102

The latest VRF features



Fan speed at thermo-off reduces air circulation when cooling or heating is not effective.

Activate, schedule and check the history of indoor units' **FrostWash™** function.

Individual **4-way cassette louvers** optimizes air flow direction to each corner layout.

Schedule **Night Quiet** mode to minimize the outdoor unit's operation noise so you and your neighbors get a better night's sleep.

Special features for hotels

Hotel mode enables instant access to the functions demanded most by hotel guests. After guests check out, housekeeping can reset the controller in one touch.

Hotel setback allows interlocking with hotel key cards. When the room is vacant, the indoor unit switches to a selected energy-saving setback temperature, ensuring the room remains at a comfortable temperature when unoccupied.



Ideal for indoor units with motion sensor features

Active intelligent comfort features connected to your indoor unit's motion sensor and/or radiant sensor*: choice of direct/indirect air flow, **FeetWarm NEW**, **FloorSense Cool NEW** and the exclusive **Crowd-Sense NEW** to prevent heat peak from rapid crowd arrival.

Individual controllers

NEW ECO-COMPACT CONTROLLER (PC-ARC*)

Climate control in a compact size

- Great value for money that combines the best of form and function.
- Minimalist design aesthetic that reflects Hitachi's Duality Design philosophy.



- Budget-sensitive VRF projects
- Users who prefer simple controls
- Functional spaces

Stylish & Intuitive

With distinctive curves and an aesthetic inspired by Hitachi's Duality Design philosophy, the Eco-Compact Controller is stylish, ergonomic, cost-effective, and convenient.

Enjoy climate control made easy through an optimized interface with easy-to-understand pictograms for a truly intuitive user experience.

With Near-field communication (NFC) contactless-enabled system commissioning via the airCloud Tap smartphone app, you can now save, copy, and paste settings to the Eco-Compact Controller with a simple tap.



- 1 Set Temperature
- 2 Operation mode
- 3 Run indicator
- 4 On/Off button
- 5 Operation mode button
- 6 Fan speed button
- 7 Menu buttons
- 8 Directional key
- 9 Fan speed
- 10 Louver direction
- 11 Current time

Outer dimensions (H×W×D)

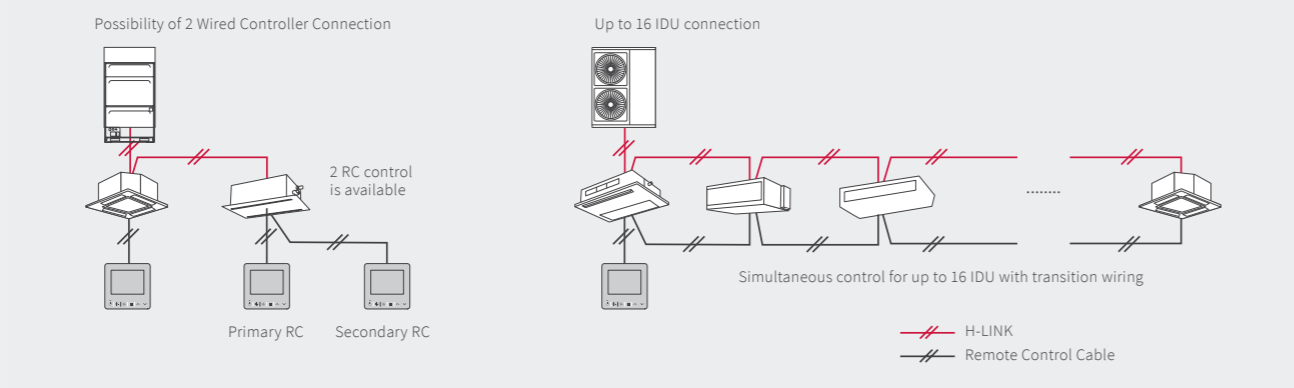
90mm×90mm×15.5mm(thinnest part)

90mm×90mm×18.5mm(thickest part)

Capacity

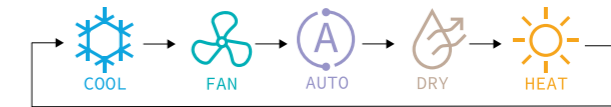
Power Supply	Powered by indoor unit, 15VDC±10%
	100g (approx.)
Installation	Indoor, on the wall or switch box
Connection capacity	Up to 16 indoor units (with the same wired remote controller)

System configuration example

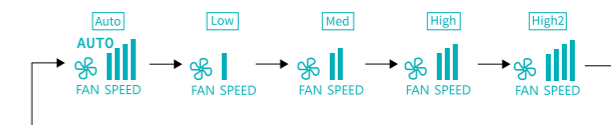


Easy access to essential controls

Simplified navigation enables users to change temperatures and adjust essential controls directly from the home screen in one touch.



Operation modes



Fan speed



Louvers' positions



Set temperature with 0.5°C precision*

Energy-saving features

The Eco-Compact Controller includes energy-saving features to minimize unnecessary AC operation.



The **Peak-Cut** feature enables users to save even more energy during peak consumption periods.



Weekly scheduling automatically turns the indoor unit on/off at set times, great for classrooms, retail businesses or other premises with regular opening hours.

Accrued comfort

The Eco-Compact Controller includes energy-saving features to minimize unnecessary AC operation.



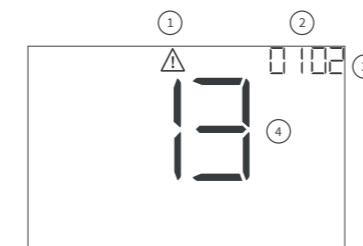
Include **GentleCool**, which controls the discharged air temperature for a smooth cooling down and prevents cold drafts.



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, which is ideal for meeting rooms and other areas requiring fast temperature reach.

Supports easy maintenance

A filter symbol appears when it's time to clean the filter. In the event of an error, the error code and the related indoor unit number is clearly displayed for ease of maintenance.



- 1 Alarm Icon
- 2 Indoor Unit No. (Refrigerant system)
- 3 Indoor Unit No. (Refrigerant system)
- 4 Alarm Code

Special features



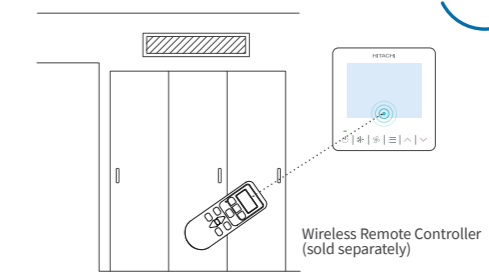
For residential users: set the Sleep mode timer **NEW** to gradually change the room temperature for a better night's sleep. The unit will turn off automatically after a set time.



For hotels: interlock the Eco-Compact Controller with your hotel key card receiver and activate setback temperature while guest is away.

Embedded IR receiver

For use with the Wireless Remote Controller. Ideal for indoor units without embedded IR receiver (ex: ducted units)



When IR receiver receives the commands, the buzzer sounds.
 *Compatible HCRB10NEWQ and PC-LH7QE/PC-LH7QE1 wireless controllers

Individual controllers

WIRED REMOTE CONTROLLER (HCWA10NEGQ)

Temperature display
Room temperature
RT 26.0°C RT 79.0°F

Set temperature
SET 26.0°C SET 79.0°F

ON/OFF button
Mode button

Liquid Crystal Display (LCD) screen

Up button & down button

Operation mode

- Cooling mode
- Heating mode
- Dry mode
- Fan mode
- Auto mode

Fan speed setting

Timer/Clock setting

Fan speed

(flickering) MAX

MIN

Timer setting

- ON Timer ON
- OFF Timer OFF
- ONCE Timer valid for one time
- DAILY Timer valid for one day
- WEEKLY Timer set for a week

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

Functions

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

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

ADVANCED WIRELESS REMOTE CONTROLLER (PC-AWR)

Transmitter

Transmitting indication
LCD (Liquid Crystal Display)

Mode selection switch

Reset switch

Timer switches

Fan speed switch
On switch
Off switch

Louver angle switch

Temp. switch

Filter reset switch

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

Functions

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

WIRELESS REMOTE CONTROLLER (PC-LH7QE)

Transmitter

Transmitting indication
LCD (Liquid Crystal Display)

Run/Stop switch

Timer switches

Temp. switch

Louver angle switch

Reset switch

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

Functions

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



H-LINK: enjoy more freedom

WHAT IS H-LINK?

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

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

Examples



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



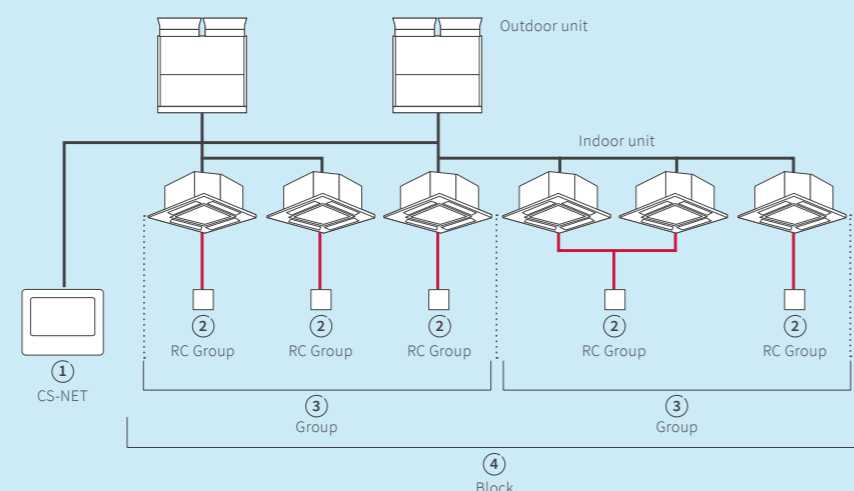
Hotels where it is preferable to complete installation work during late evenings.



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



Definition of terms in Hitachi centralized control systems



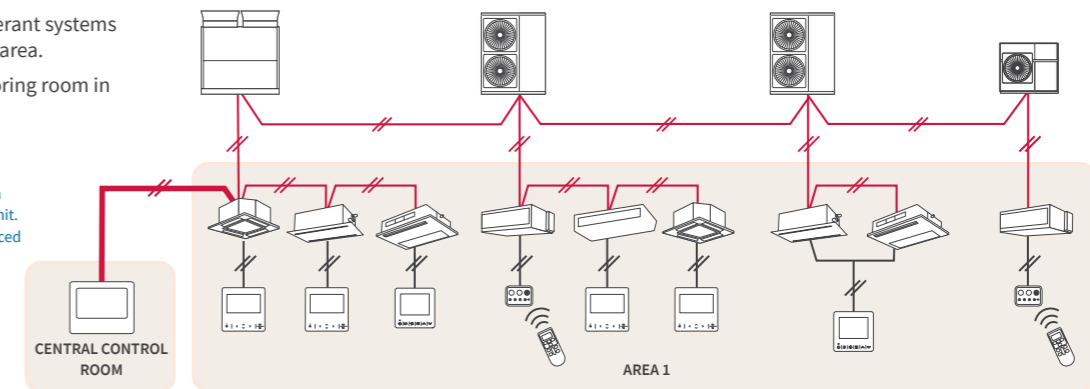
- ① CS-NET/Central station
→ Hitachi original centralized controller.
- ② RC Group (Remote Controller System Group)
→ Stands for a number of indoor units (up to 16 units) connected using "same remote controller" wiring. In this group, connected indoor units are all controlled in the same way.
- ③ Group
→ Stands for the multiple "RC groups" that are registered in the centralized controller network setting.
- ④ Block
→ Stands for the multiple "groups" that are registered in the centralized controller network setting.

CENTRALIZED CONTROLS: FLEXIBLE WIRING ROUTE!

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

H-LINK SOLUTION

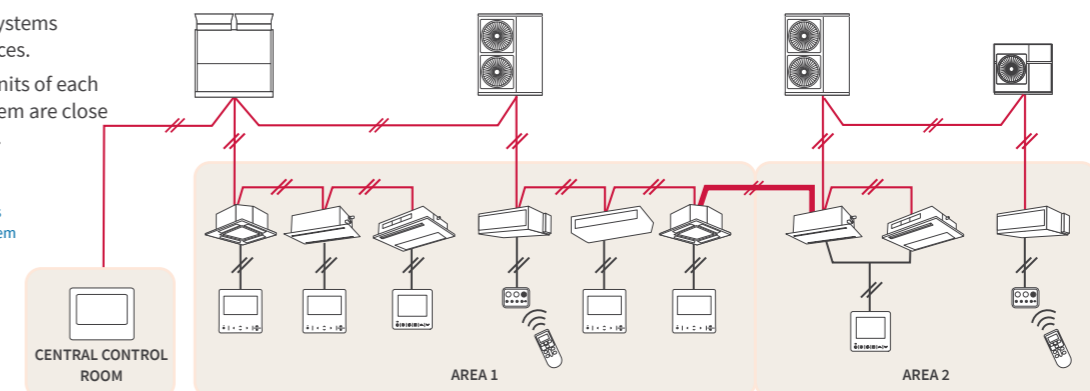
- Wire the central station to the closest indoor unit.
- Wiring distance is reduced substantially.



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

H-LINK SOLUTION

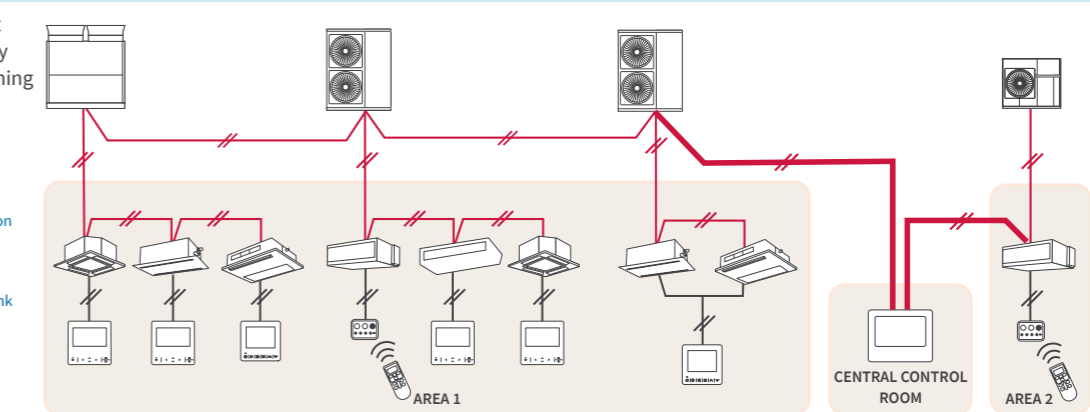
- Where two indoor units of each respective system are close together; you can connect two refrigerant systems via the indoor units.
- Wiring distance is reduced substantially.



- (3) • One refrigerant system far away from the remaining ones.

H-LINK SOLUTION

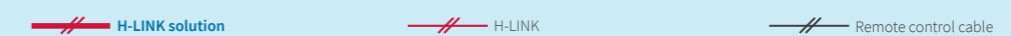
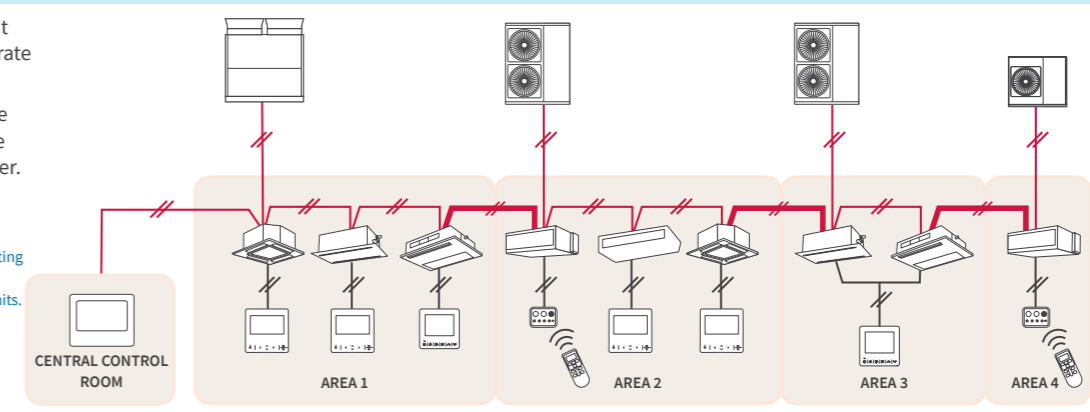
- Connect the farthest refrigerant system directly to central station either to outdoor units or indoor units.
- The central station can make the central link between the different refrigerant systems.



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

H-LINK SOLUTION

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



True
to Your Comfort ♡

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CEBU OFFICE: TEL.: (032) 232-6634 FAX: (032) 231-7533 SERVICE: (032) 232-8831
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