SET FREE mini

Variable Refrigerant Flow System

Heat Pump Series

HITACHI

air

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This is an e-waste product and should not be mixed with general household waste at the end of its life. For more details, kindly visit our website or contact Hitachi Dial-a-Care.
Due to continuous research & development, the product specification & features may change without prior notice.

Find Hitachi Cooling & Heating products with the best service and conditions at your Hitachi Distributor.

Cooling & Heating

Welcome

air, it's a wonderful thing

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

This is our vision.
To create the air that makes life better.
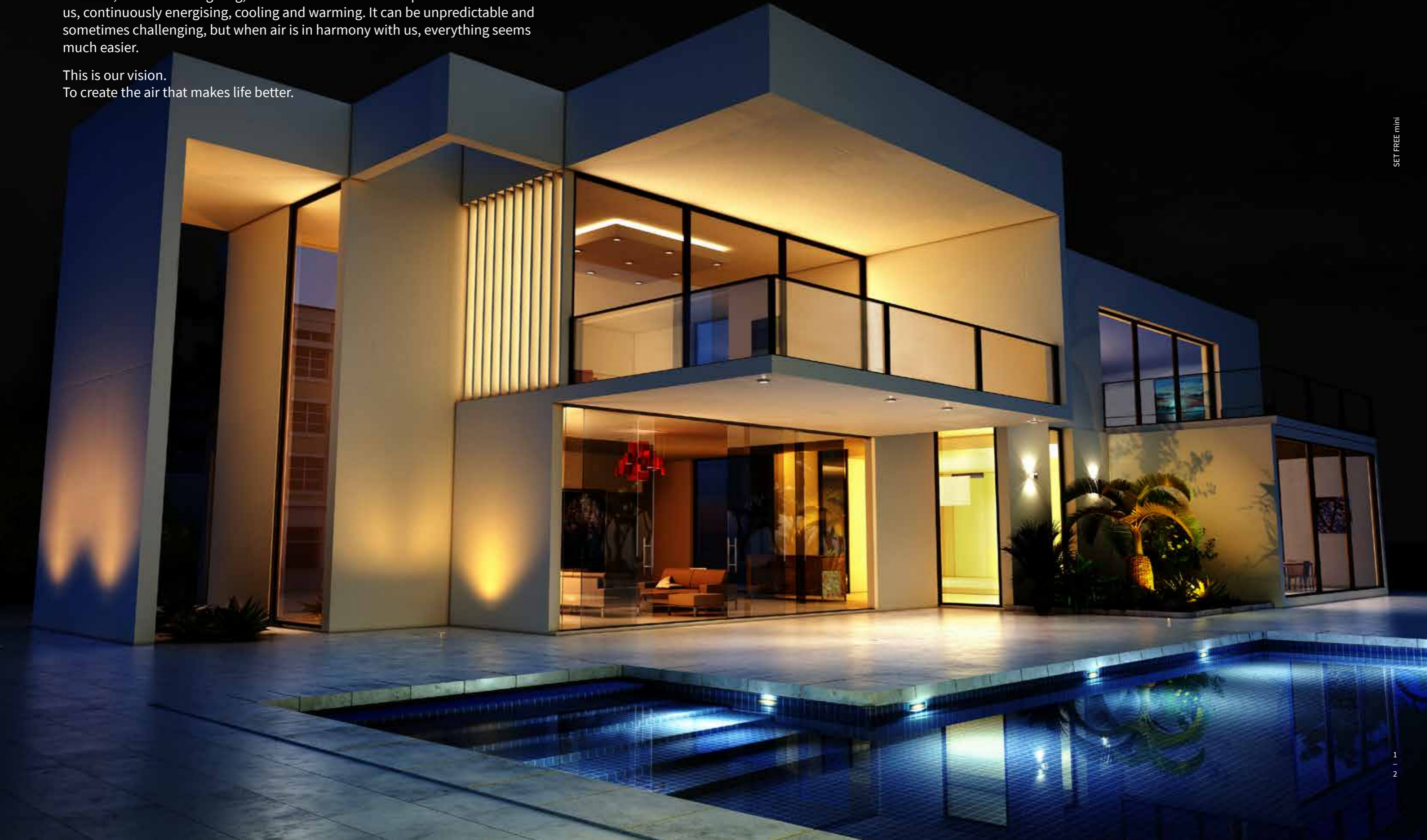
air conditioning:
an invisible performance

Behind every outstanding performance, there are people who help run the show smoothly away from the audience's eye.

We've developed unique technologies that work behind the scenes to give you comfortable cooling.

The results are not seen, but definitely felt.

Mastery behind the scenes

SET FREE mini

3
4

Born in Japan with a global presence

Since 1952, Hitachi's cooling and heating technology has been helping make life more harmonious for people around the world. Today, our long heritage of precise Japanese engineering ensures that no detail is overlooked in our quest to create Living Harmony.

Technology of the future with expertise from the past.

Japanese Technology, designed for India.

24 factories around the world.

air to unlock new perspectives

"At Hitachi, we understand the power of 'air', and what it can do to elevate the environment of one's home and businesses. With our unparalleled Japanese heritage, we are constantly evolving and innovating to create cutting-edge products that make the best use of air enabling you to be the **air Xperts**. We understand the power of collaboration and treasure your trust in us to handle your end-to-end project requirements, from specialized solutions, advisory and installation to lifetime maintenance. With us, you can leave worry at the door."

SET FREE mini

HITACHI

Helping you form an ideal living environment

Introducing the new SET FREE mini that sets you free from the restrains of multiple outdoor and same Hi Wall indoor unit combinations. Relax in a comfortable airflow with your centralized air conditioning system and advanced controls that complement your modern lifestyle. SET FREE mini with its innovative technology and compact size offers you more space.

Helping you form an ideal living environment

Introducing the new SET FREE mini that sets you free from the restrains of multiple outdoor and same Hi Wall indoor unit combinations. Relax in a comfortable airflow with your centralized air conditioning system and advanced controls that complement your modern lifestyle. SET FREE mini with its innovative technology and compact size offers you more space.

The art of choosing

4 way cassette

4 way compact cassette

2 way cassette

1 way cassette

SET FREE mini

Hi wall

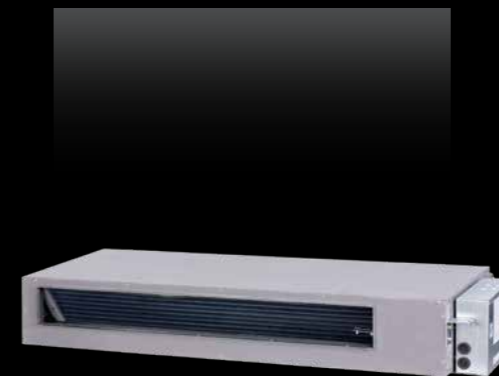**Floor/Ceiling convertible**

In-the-ceiling

In-the-ceiling (Duct type)

Take control of the power

airCloud Pro

Wireless remote control

Touch screen wired control

Advanced wired remote control

Central Station mini

air for the new beginnings at home

air for the perfect workspace

air for the finest cafés

air for the best retail space

SET FREE mini

13

Solution for 2BHK

HI WALL

4 WAY CASSETTE

IN-THE-CEILING

SET FREE mini ODU
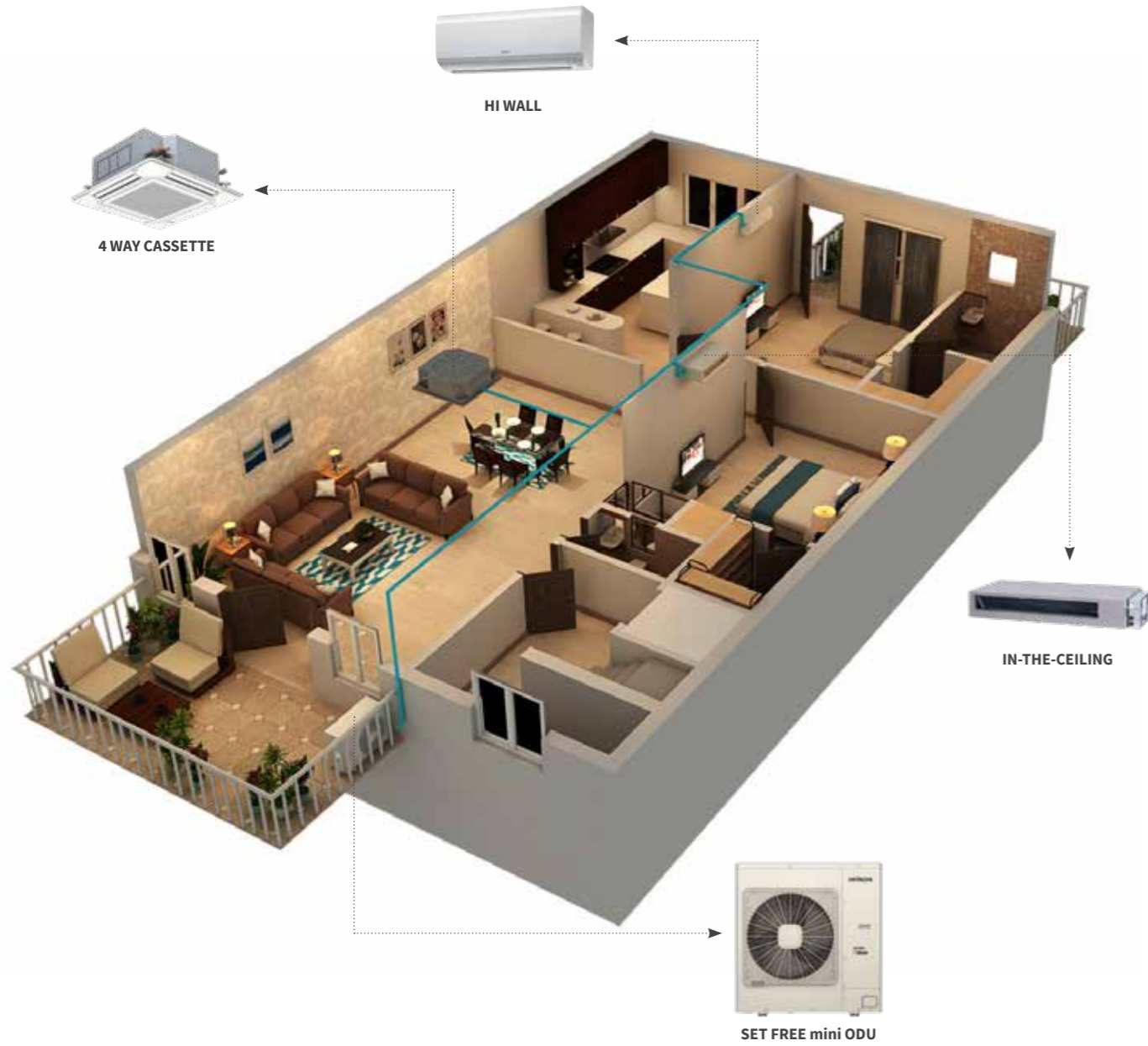
Premium House - Living Room + Dining Room + 2 Bedrooms		
Room	**Indoor Unit Style**	**Capacity - HP**
Master bed room	In-the-ceiling	2.5
Children bed room	Hi wall	2.0
Living room	4 way cassette	2.0
Total # of Indoor Units	3	6.5
Total # of Outdoor Units	1 X 5.0 HP	5.0

airCloud Pro

Note: airCloud Pro, a wifi enabled centralized control of air conditioning system is recommended as an option.

Solution for 3BHK

IN-THE-CEILING

HI WALL

SET FREE mini

FLOOR/CEILING CONVERTIBLE

SET FREE mini ODU

4 WAY CASSETTE
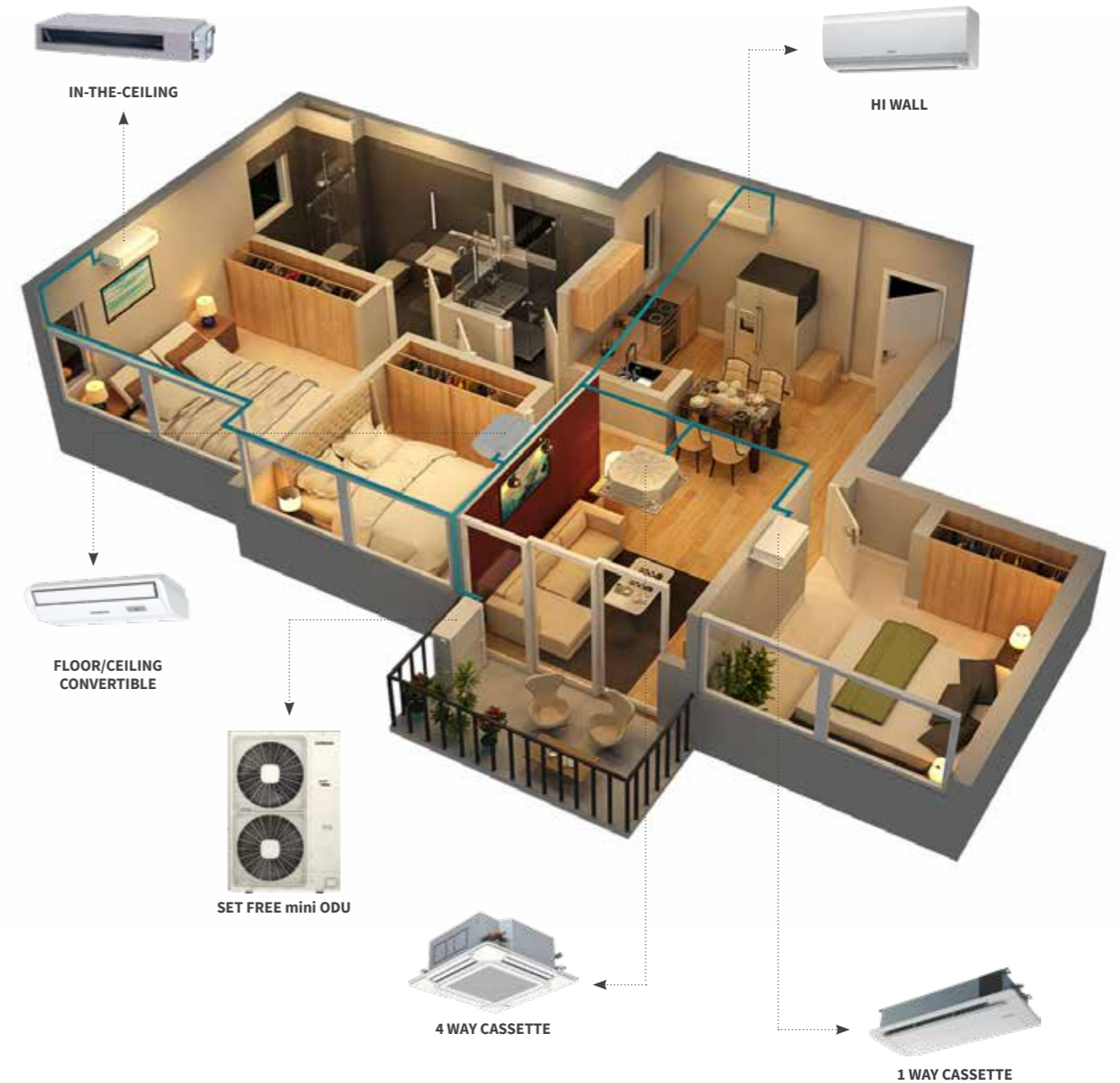
1 WAY CASSETTE

Premium House - Living Room + Dining Room + 3 Bedrooms		
Room	**Indoor Unit Style**	**Capacity - HP**
Master bed room	In-the-ceiling	2.5
Children bed room	Floor/Ceiling convertible	2.0
Guest bed room	1 way cassette	1.5
Dining room	Hi wall	1.0
Living room	4 way cassette	2.0
Total # of Indoor Units	5	9.0
Total # of Outdoor Units	1 X 7.0 HP	7.0

airCloud Pro

Note: airCloud Pro, a wifi enabled centralized control of air conditioning system is recommended as an option.

Solution for 4BHK

IN-THE-CEILING

4 WAY COMPACT CASSETTE

HI WALL

SET FREE mini ODU

1 WAY CASSETTE

FLOOR/CEILING CONVERTIBLE

4 WAY CASSETTE

SET FREE mini ODU

airCloud Pro

Premium House - Living Room + Dining Room + 3 Bedrooms + 1 Study Room		
Room	Indoor Unit Style	Capacity - HP
Master bed room	In-the-ceiling	2.5
Children bed room	4 way compact cassette	1.5
Guest bed room	1 way cassette	2.0
Study room	Floor/Ceiling convertible	2.0
Dining room	Hi wall	1.0
Living room	4 way cassette	2.5
Total # of Indoor Units	6	11.5
Total # of Outdoor Units	(1 x 6.0 HP) + (1x 4.0 HP)	10.0

Note: airCloud Pro, a wifi enabled centralized control of air conditioning system is recommended as an option.
*We recommend to use two SET FREE mini ODU for optimum power consumption at partial load.

XPANDABLE

Your space with SET FREE mini
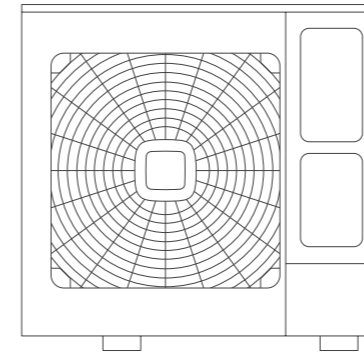
- Exceeds expectations with Xpandable *Outdoor Unit range*
- Compact Outdoor Unit solution which Xpands your *space*
- Xpandable *working temperature range* - air for every season
- Xpandable *external static pressure*
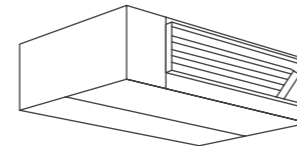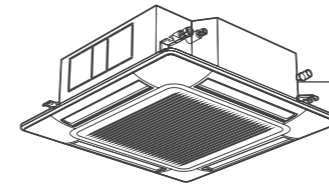
- Indulge in the art of choosing with Xpandable *style of Indoor Units*
- Xpanded *Indoor Unit capacity* meets all your needs
- Xpandable *connectivity* of Indoor Units with a single Outdoor Unit
- Xpanded *Indoor Unit diversity* with single Outdoor Unit on the basis of the usage pattern and heat load
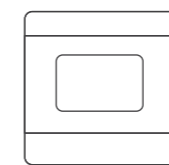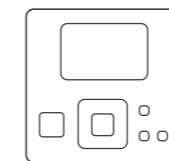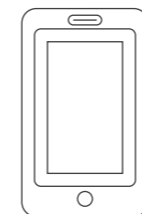
- Choice of smart controllers

Xpandable Outdoor Unit range

3-4 HP   **5-6 HP**   **7 HP**

Hitachi expanded ODU Range

Capacity-HP

3 ← 4 5 6 → 7

Standard Range of ODU
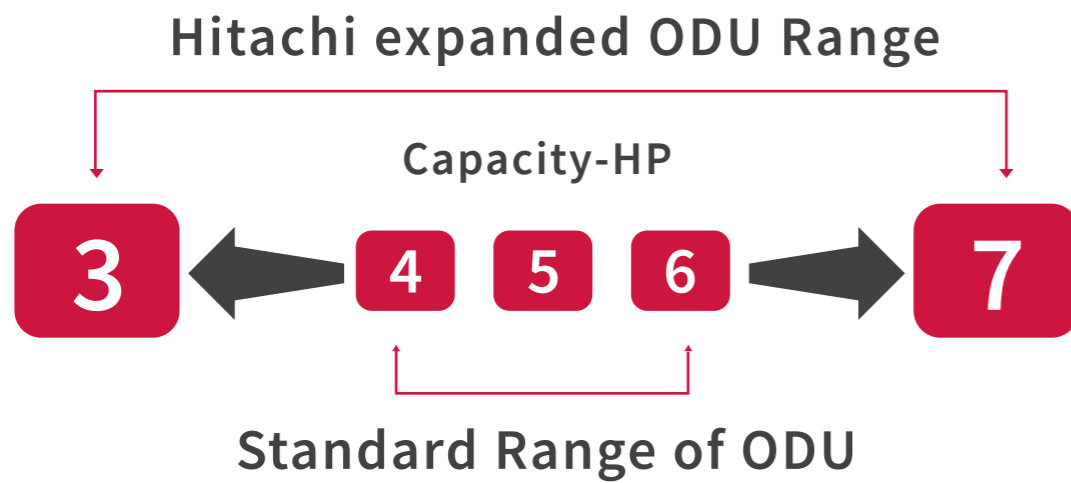
SET FREE mini Outdoor Unit starts from 3 HP and expands up to 7 HP to cater to all your premium space requirements and medium sized space requirements. It sets you free from the multiple piping around the house and connects many indoor units to just one outdoor for that neat installation and perfect air conditioning experience.

Xpand your space

Conventional ODU

SET FREE mini ODU

SET FREE mini outdoor unit with its compact size yet powerful capacity allows you to replace the multiple connection of one to one split outdoor with a single SET FREE mini Outdoor Unit and offers you the freedom to explore your creativity and decor without space constraints.

air for every season

Xpandable working temperature range

-20°C

SET FREE mini with its unique 3-Row Coil* design and larger area of the coil enhances heating capability as low as -20°C ambient condition for colder regions.

52°C

SET FREE mini with its special fresh air intake and Trapezoid Heat Sink design adopted for inverter driver, improves heat emission and allows the system to run stably under high ambient conditions up to 52°C.

*3-row coil design available in 5, 6 & 7 HP

Xpandable external static pressure

30 Pa

0 Pa
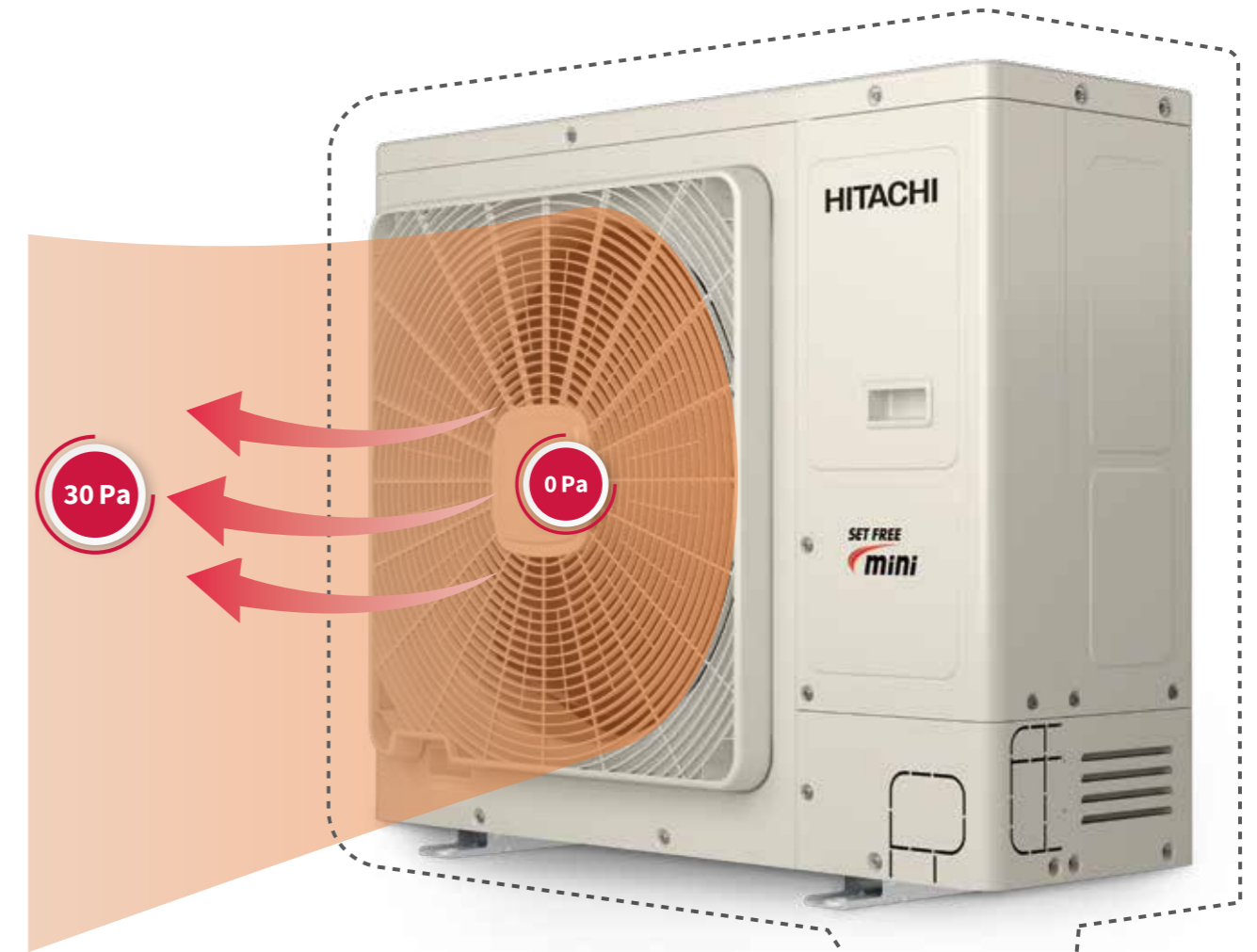
The high external static pressure of condenser fan up to 30 Pa overcomes resistance of hot air path and avoids hot air short circuit conditions. This helps the SET FREE mini outdoor unit to run in good ventilation conditions with better efficiency.

The art of choosing

Xpandable Indoor Unit styles

| 1 way cassette | 2 way Cassette | 4 way cassette | Hi Wall | In-the-ceiling | Floor/Ceiling convertible |

SET FREE mini

Now, get more creative with your space and choose Indoor Unit from our wide basket that covers your application requirement more than traditional Hi-wall and In-the-ceiling type of Indoor Units. Choose from a range of Cassette, Hi wall, In-the-ceiling and Floor/Ceiling convertible that enhances your interior collection.

Indoor Unit capacity that
Xpands across all your needs
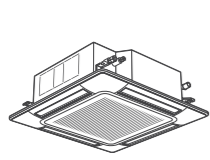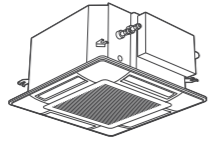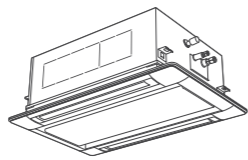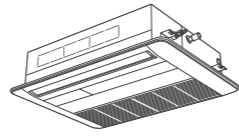
| 4 way cassette | 4 way compact cassette | 2 way cassette | 1 way cassette | Hi wall | Floor / Ceiling Convertible | In-the-ceiling | In-the-ceiling (Duct type) |

SET FREE mini

6.0
5.0
4.0
3.0
2.0
1.0
0.8
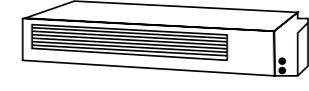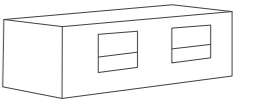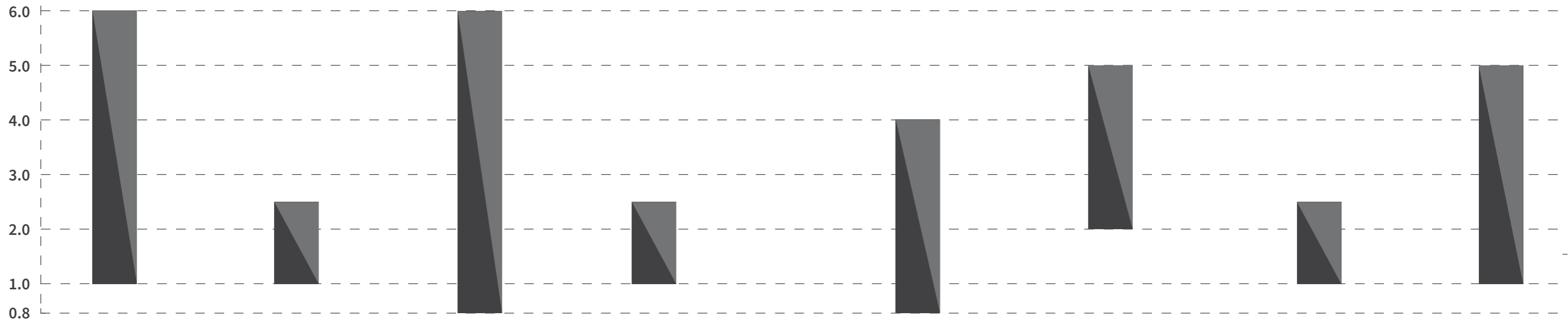
Capacity in HP

Xpanding connectivity

Now, it's easy to create an artistic presence with multiple Indoor Units connected to just a single Outdoor Unit. Flexibility to connect with multiple Indoor Units ranging from 2 to 10 units with a single Outdoor Unit.

Xpanding diversity for desired comfort

SET FREE mini can connect from 50% to 130% of the Indoor Unit capacity against the outdoor capacity on the basis of usage pattern, ambient temperature and indoor conditions. This can help you in connecting more air conditioning space with less number of Outdoor Units.

100% capacity

+ 130%
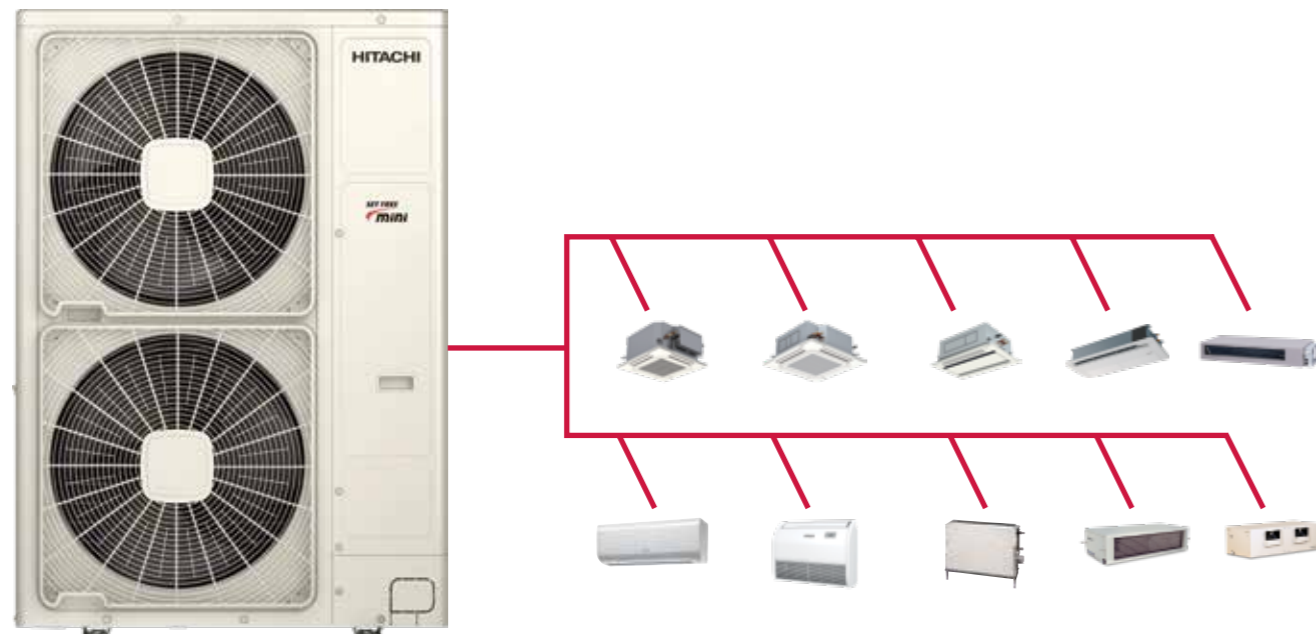
30% capacity

*Range of connectivity varies from model to model.
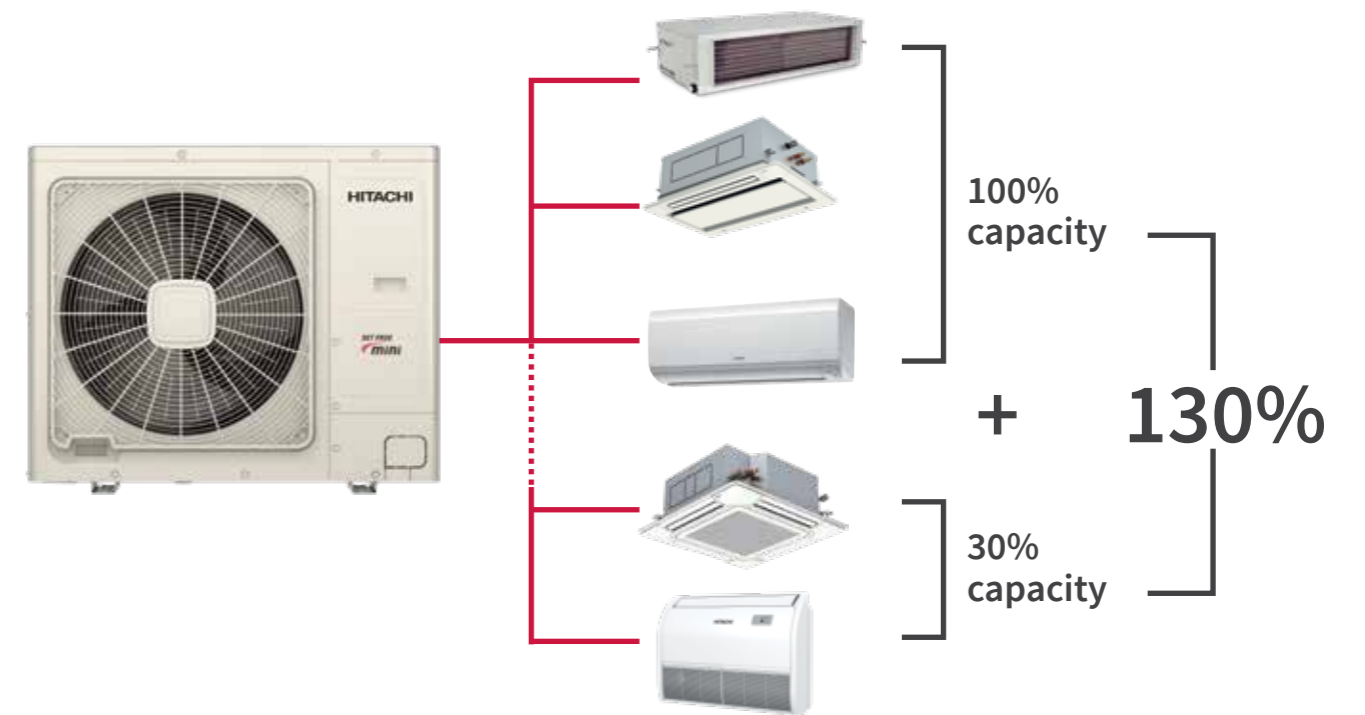
*Image is shown just for representation purpose only. The diversity varies from Indoor Unit model to model and its capacity.

Choice of smart controllers
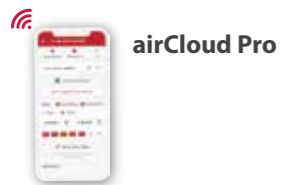
airCloud Pro

Smart wifi enabled controller with advanced features giving power in your hand. Control and monitor your AC from anywhere anytime.

Wireless remote control

One touch handy operation to have access from anywhere in the room.

Touch screen wired control

Elegant design, perfect for premium residences thanks to the ultra clear touchscreen display.

Advanced wired remote control

LED backlight LCD remote that is equipped with smart functions that makes it perfect to control AC.

Central Station mini

Compact touch screen panel is a centralized controller that gives you access to control up to 160 indoor unit functions.

Leading with innovative technologies
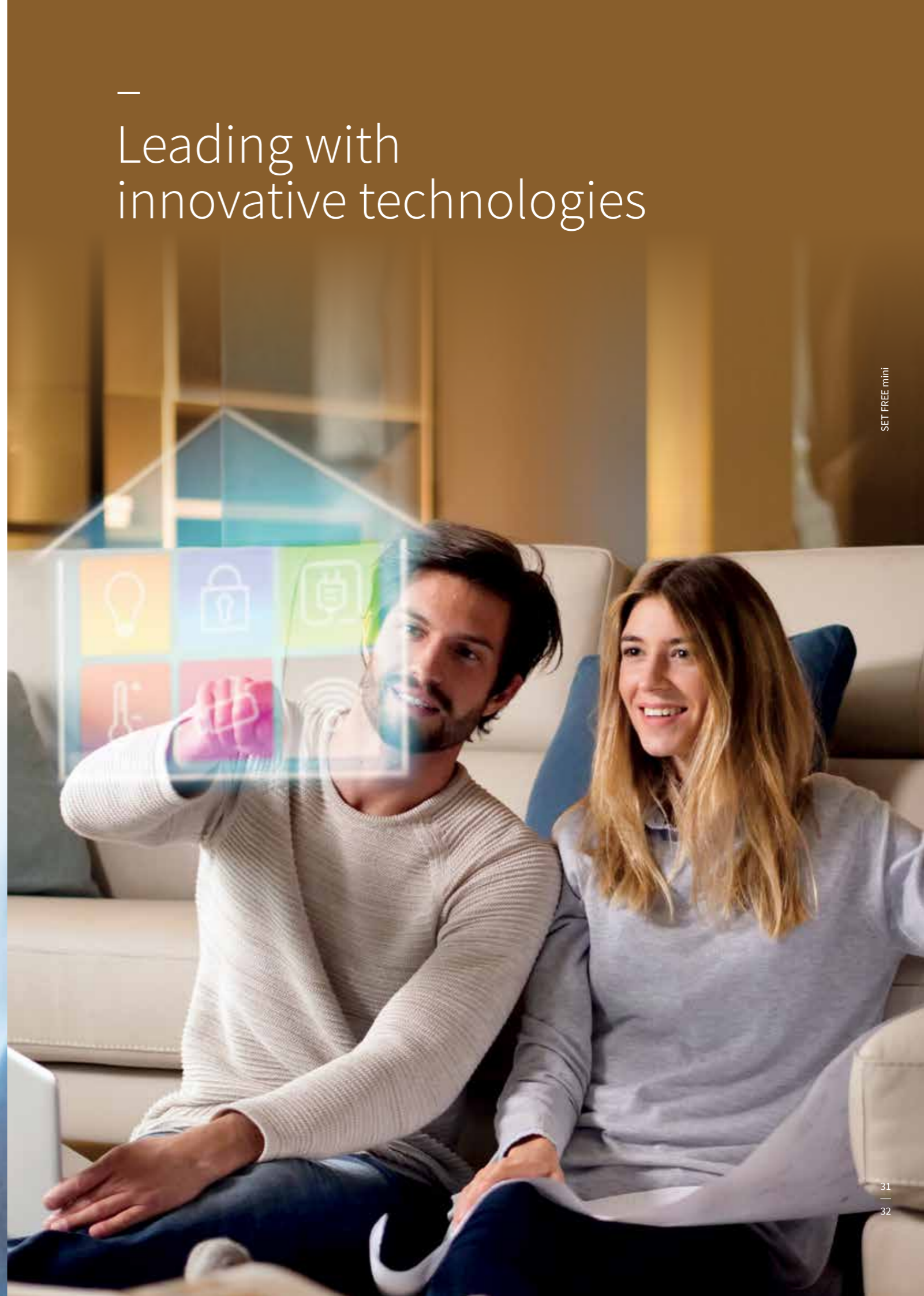
Stepless compressor control

Rare earth magnet

Compressor rotor

15Hz~120Hz
± 0.1 Hz

Conventional compressor

Hitachi compressor
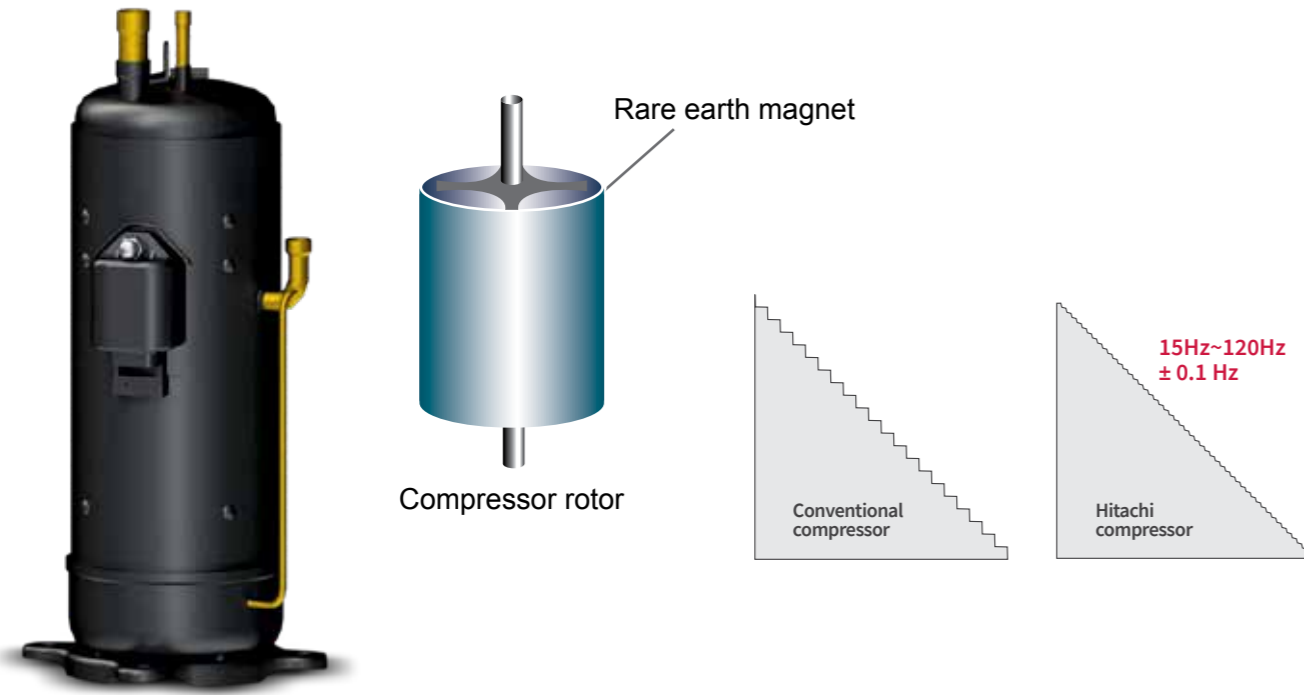
- Hitachi's intellectual Compressor Driver technology makes the compressor more efficient with compressor frequency accuracy to ±0.1 Hz.
- The high efficiency Twin Rotary Compressors comes with rare earth magnets that enhances its efficiency
- Hitachi compressors uses step less frequency conversion that adapts to the customer demand and makes room temperature more comfortable with lesser power consumption
- The compressor is equipped with broad operating frequency of 15~120 Hz, to keep it stable even when load is low and eliminate frequent start up/ shutdown
- The more frequency provides faster refrigerating and heating function

Single control PCB design

- Low standby power consumption design, which decreases the standby consumption from 20W to lower than 5W compared to last generation product
- Single Control Chip Design, it drives the power factor correction, compressor and fan motors by one chip, which can realize the rapid response and high reliability

Lower power consumption

The new type self-holding 4-way reversing valve, which will not switch on constantly to consume power, is adopted. It only works in several seconds when the operation mode is changed, so it can save the energy and make the system more reliable.

Cooling Operation
or
Heating Operation   Defrost Operation   Heating Operation

Last Generation Product

Reversing Valve Relay   ON   ON

OFF

Current is carried only when turning the reversing value relay ON.

Turned ON for a second

Current New Product

(repeat twice)

ON

Reversing Valve Relay   OFF

Smart defrosting

Previous Defrosting Mode

Defrosting   Defrosting   Defrosting   Defrosting   Defrosting   Defrosting

Heating   Heating   Heating   Heating   Heating   Heating   Heating

Automatically Learns   Optimized Defrosting Operation

SET FREE mini series Defrosting Mode

Defrosting   Defrosting   Defrosting   Defrosting

Heating   Heating   Heating   Heating

Frost on the Outdoor Unit's Heat Exchanger reduces heating capability. Defrosting is, therefore, essential, although there is no heating for room in a defrosting operation. Intelligent Defrosting technology automatically learns the operating date of the previous defrosting cycle and detects power data of the fan motor. From this data it determines the optimal operation of the next defrosting cycle, thereby helping to reduce the frequency of defrosting while enhancing the comfort level and heating capacity.

The beauty of silence

Capacity priority mode (standard)

The system will be run as per capacity requirement; meanwhile both compressor and fan speed will be adjusted to lower the noise.

Low noise mode (optional)

ON

OFF

Dip Switch
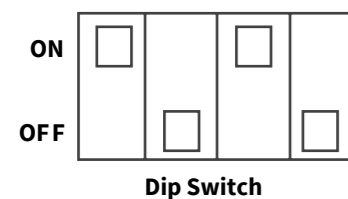
- 3 Noise level options to choose from
- Noise can be reduced from 1 to 4 dB depending upon the level chosen
- Compressor speed is forcibly reduced irrespective of the ambient temperature

Note: The cooling and heating capacity may drop to 80%, 70% or 60% under each level in low noise setting mode.

Silent night mode (optional)

With optional night mode Setting, when ambient temperature is 86° F (30° C) or below in a cooling operation, rotation speed of the compressor and the outdoor fan will be automatically reduced. The noise could be decreased by 3~10 dB comparing to the normal operation.

Note: Night mode is recommended when cooling capacity has sufficient margin compared to cooling load or operation sound should be reduced at night time.

SET FREE mini utilizes 10 advanced technologies in the Outdoor Unit that makes it an exceptionally silent machine:
(1) Low noise DC inverter compressor (2) Low noise fan (3) BLDC fan motor
(4) Anti vibration piping design (5) 20 mm compressor insulation cotton (6) Special design fan grille (7) Anti vibration pad for compressor (8) Sound insulation of sheet metal (9) Anti vibration pad of fan motor
(10) Package type fan guide

Refrigerant cooled PCB

- Improved reliability of the units running at elevated temperatures
- Heat dissipation of compressor driving module is performed via refrigerant instead of air cooling
- 10% average temperature drop of the module
- Ensures efficient operation even in extreme conditions

Refrigerant radiator

Thermal conduction tin sheet

Heat sink equipped on electrical parts
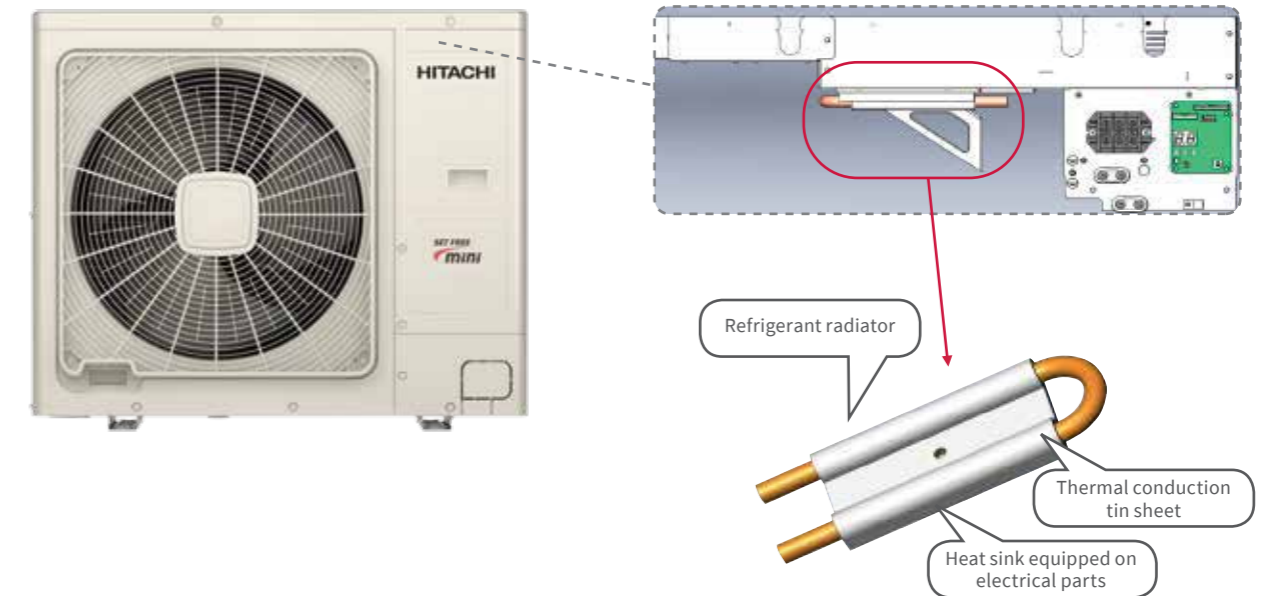
H-Link II

H-link II network system requires only two transmission wires to connect with each Outdoor/ Indoor Units for up to 64 refrigerant cycles.

Outdoor unit

Outdoor unit

Indoor unit

Indoor unit

Indoor unit

Indoor unit

Indoor unit

Centralized Controller

Individual Controller

Individual Controller

Individual Controller

Individual Controller

H-LINK II

Remote Control Cable
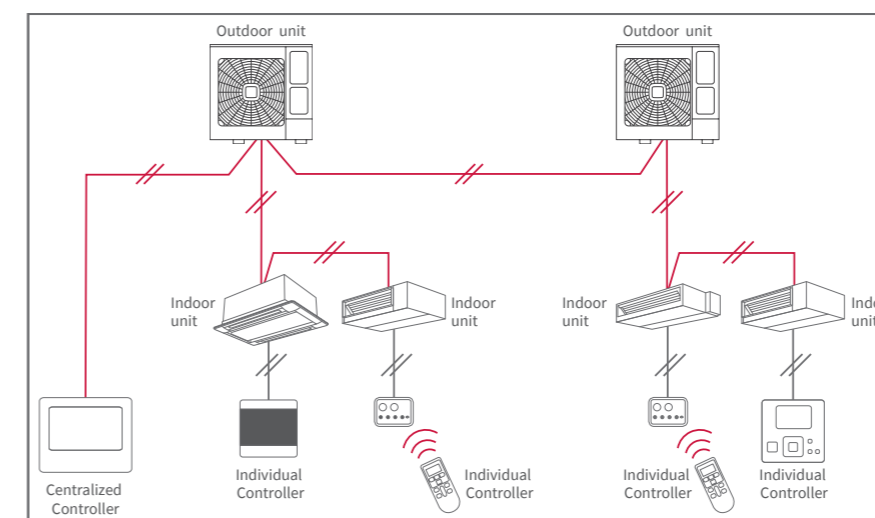
- Flexible installation options with no polarity requirements
- Central controller connection is enabled via Indoor or Outdoor Unit flexibly
- Up to 160 Indoor Units can be connected.
- Possible to have a cable length of up to 1,000 m

Piping flexibility

Longer and more flexible piping has been realized.
This helps in dealing with various piping restrictions.

1st branch multi kit

Gas pipe   Liquid pipe
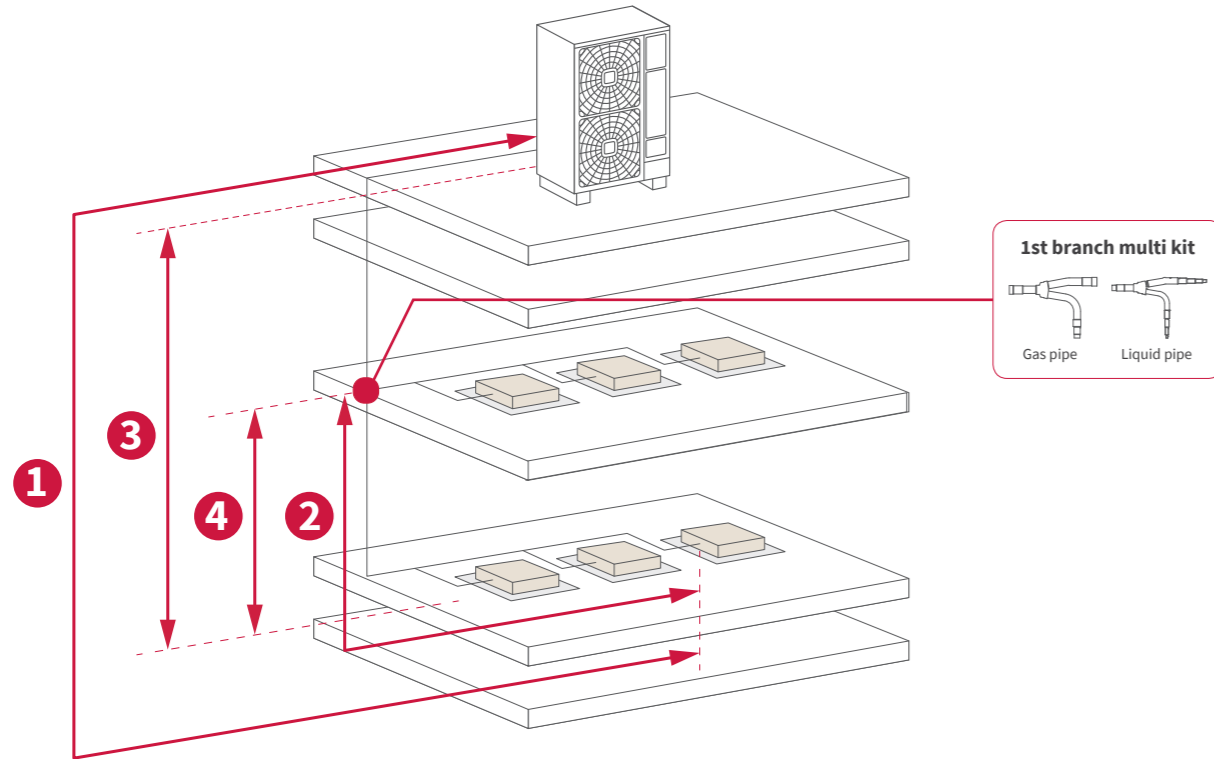
Maximum piping length

	3.0 HP	4.0 HP	5.0 HP	6.0 HP	7.0 HP
Total piping length	≤ 30m	≤ 40m	≤ 70m	≤ 70m	≤ 120m
1. Between Outdoor Unit and farthest Indoor Unit	≤ 25m	≤ 25m	≤ 60m	≤ 60m	≤ 75m
2. Between 1st branch multi kit and farthest Indoor Unit	≤ 20m	≤ 20m	≤ 30m	≤ 30m	≤ 30m

Maximum level difference

		3.0 HP	4.0 HP	5.0 HP	6.0 HP	7.0 HP
3. Between Outdoor Unit and Indoor Units	ODU above IDU	≤ 20m	≤ 20m	≤30m	≤ 30m	≤ 30m
	IDU above ODU	≤ 20m	≤ 20m	≤ 20m	≤ 20m	≤ 30m
4. Between Indoor Units		≤ 3.5m	≤ 3.5m	≤ 10m	≤ 10m	≤ 10m

Note: The Model of E-102SNK branch pipe is used for the RAS-3.0~7.0HNSKQ Outdoor Units.
Each maximum length or level difference has several conditions, please refer to the technical documents for inquiry.

Ease of installation

Front and Right   Rear   Bottom

Stop valve built with 4-directional outlet piping for easier pipe installation. The refrigerant pipes can connect the stop valves from the front and right, rear and bottom of the unit.

7-segment displays
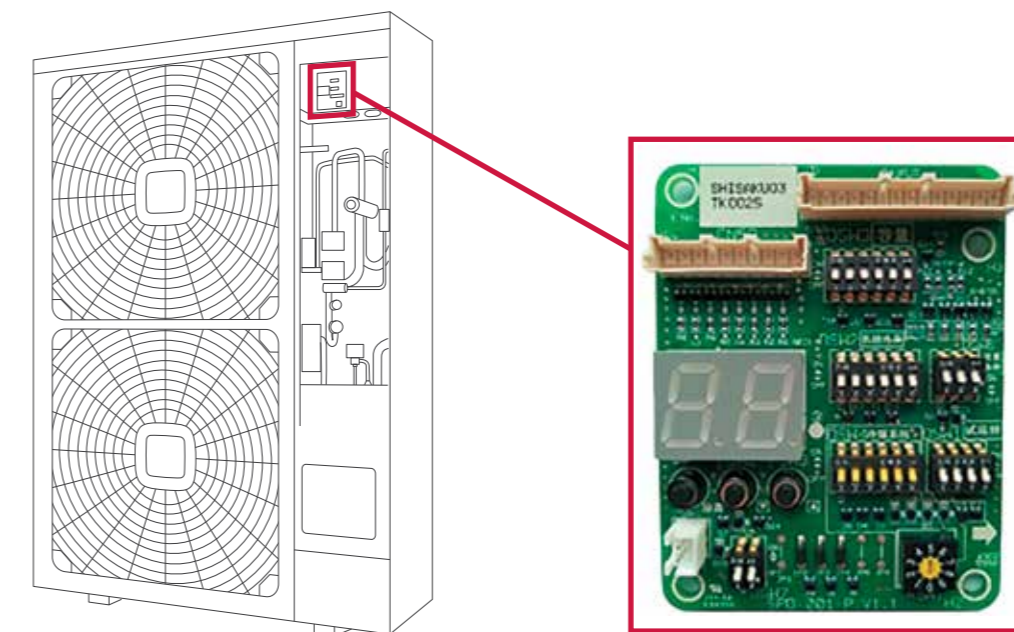
The user-friendly Service Board is equipped with dial code switch and push button. The service board is in front of the Outdoor Unit control which makes it convenient for setting.

The display has various functions such as:
• Monitor the real-time running status
• Display the fault code for diagnostic
• Check the historical fault information
• Optimize control parameters based on the installation field condition

Therefore, quick and accurate diagnosing is available at the site during the test run or normal operation.

Specifications

HP-CLASS			3HP | 4HP		5HP | 6HP		7HP
Model			**RAS-3.0HNSKQ**	**RAS-4.0HNSKQ**	**RAS-5.0HNSKQ**	**RAS-6.0HNSKQ**	**RAS-7.0HNSKQ**
Power Supply			220-240V/1Ph/50Hz				
Capacity	Rated Cooling Capacity	W	8000	11200	14000	15500	20000
	Rated Heating Capacity	W	9500	12500	16000	17000	22400
Noise	Rated	dB (A)	51	56	54	56	58
Outer Dimensions (Height X Width X Depth)		mm	800 X 950 X 320	800 X 950 X 320	990 X 950 X 320	990 X 950 X 320	1380 X 950 X 320
Total Indoor Unit Capacity Ratio		-	50%~130%				
No. of the Indoor Units that can be connected		Q'ty	2~4	2~5	2~6	2~6	2~10
Weight	Net	kg	74	74	87	87	118
	Gross	kg	84	84	100	100	132
Heat Exchanger	Type	-	Multi-Pass Cross-Finned Tube				
	Material	-	Cu-Al	Cu-Al	Cu-Al	Cu-Al	Cu-Al
Compressor	Type	-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Quantity	-	1	1	1	1	1
	Drive Mode	-	Inverter	Inverter	Inverter	Inverter	Inverter
Fan	Quantity	-	1	1	1	1	2
	Airflow Rate	m3 / min	60	71	71	71	122
	Drive Mode	-	Inverter	Inverter	Inverter	Inverter	Inverter
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
Gas Side Stop Valve		mm	15.88	15.88	15.88	15.88	15.88
Liquid Side Stop Valve		mm	9.53	9.53	9.53	9.53	9.53
Temp range Cooling (°C)		-	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52
Temp range Heating (°C)		-	-20 to 24	-20 to 24	-20 to 24	-20 to 24	-20 to 24

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: 10 Meters
Pipe Lift: 0 Meter

Heating Operation Conditions:

Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB 6°C WB
Piping Length: 10 Meters
Pipe Lift: 0 Meter

2. Noise test conditions are specified below:

Noise is tested 1.5m above ground level and 1m away from the surface of the external service board on the Outdoor Unit. Noise parameters are tested in a semi-anechoic chamber.

Indoor life

SET FREE mini offers a variety of Indoor Units in its portfolio to achieve comfortable air conditioning that flexibly addresses various applications and shapes of space. By raising the "quality" of the air, we believe that the "quality" of time customers spend there will also be enhanced.

Choice for perfect indoor experience

Indoor Unit Category		HP								
		0.8	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
Ceiling Cassette	4 way cassette		✓	✓	✓	✓	✓	✓	✓	✓
	4 way compact cassette		✓	✓	✓	✓				
	2 way cassette	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1 way cassette*		✓		✓	✓				
In-The-Ceiling & Concealed	In-the-ceiling		✓	✓	✓	✓				
	In-the-ceiling (Duct type)		✓	✓	✓	✓	✓	✓	✓	
	Floor concealed		✓	✓	✓	✓				
Exposed	Floor/Ceiling convertible					✓	✓	✓	✓	✓
	Hi wall	✓	✓	✓	✓	✓	✓	✓		

*1 Way Cassette also available in 1.3 HP and 1.6 HP.

*Product images shown are for reference only and data can be changed without prior notice.

Key information

Ceiling Cassette
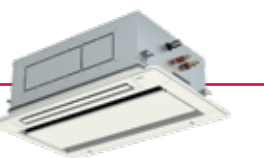
4 way cassette
- Individual 4 way louver
- Motion Sensor technology (optional)
- Higher ceiling installation (up to 5.5m in cooling mode)
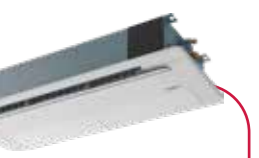
4 way compact cassette
- Compact grid 600X600mm
- Quieter operation (as low as 24.5 dB(A))
- Higher ceiling installation (up to 4.6m in cooling mode)

2 way cassette
- Individual louver option
- Motion Sensor technology (optional)
- Higher ceiling installation (up to 4.6 m in cooling mode)

1 way cassette
- Compact size: Height- 192 mm & Depth - 470 mm
- Quiet operation (as low as 27 dB(A))
- Max. drainage height up to 1200 mm

In-The-Ceiling & Concealed
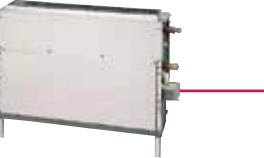
In-the-ceiling
- Ease of installation with 192 mm height
- Compact width starting from 700 mm

In-the-ceiling (Duct type)
- Broad range of ESP up to 50 Pa with long and short duct variants.
- Ease of installation and flexible duct connection
- Higher CFM
- Flexible mirror installation for hotel application

Floor concealed
- Compact height up to 620 mm
- Can be hidden away without ceiling void

Exposed

Floor/Ceiling convertible
- Easy installation
- It can be mounted on floor or suspended in ceiling as per the choice and space availability.

Hi wall
- iClean+ technology
- Motion Sensor technology
- Wide range of capacity from 0.8 HP to 4 HP
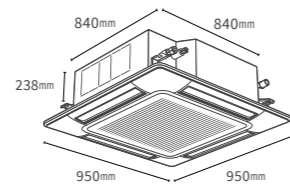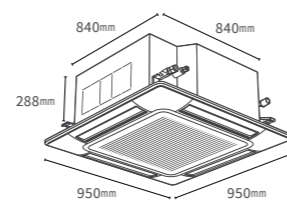
SET FREE mini

Indoor Life

4 way cassette

Motion Sensor technology

Motion Sensor technology comes with the ability to ensure you get equal attention for equal cooling comfort and enjoy higher energy savings. It identifies the number of people and directs airflow as per the requirement. In case of human absence, the sensor automatically switches the AC off, reducing wastage of energy.

height 3.2m

123°

above floor level 0.8m

diameter 8.8m
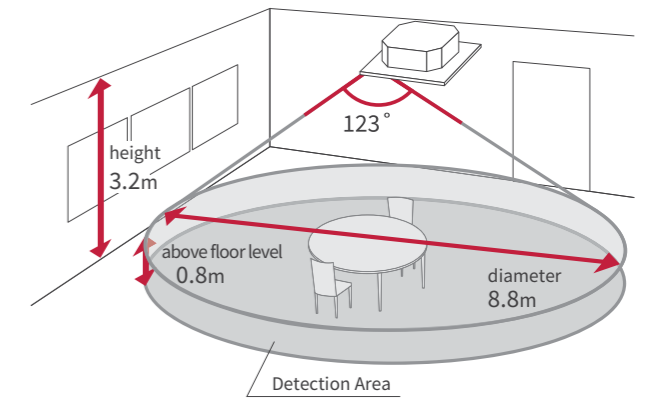
Detection Area

* Motion Sensor detecting area dimension
  7.0m = 1.0-3.0FSKDNQ
  8.8m = 4.0-6.0FSKDNQ
* Motion Sensor is an optional feature (PS-MSK2) with use of Advanced Wired Controller (PC-ARF/ PC-ARF1)

Individual 4 way louver control

Have control of the airflow with 4 way individual louver. It's louver can be adjusted as per the requirement in each zone and the wastage of air to a dead zone can also be avoided.

Horizontal

Horizontal Blow 25°

Louver opens up to 60°

Down

Swing
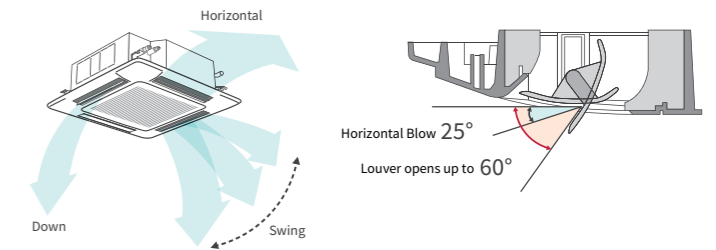
*This feature is compatible with wired remote controller (PC-ARF/ PC-ARF1/ HCWA10NEGQ)

Engineered for high ceiling space

Hitachi's Cassette AC are engineered to place at higher ceiling space such as car showroom space, banquets, and more.

(Heating) Up to **4.2m** down

(Cooling) Up to **5.5m** down
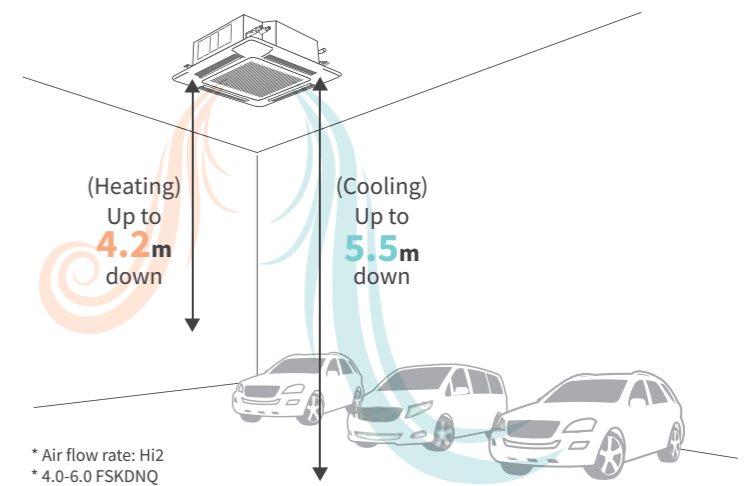
* Air flow rate: Hi2
* 4.0-6.0 FSKDNQ

Standard drain pump with 850 mm lift

Up to **850 mm**
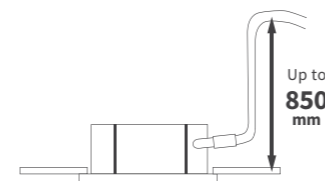
Direct attachment of round-ducts available
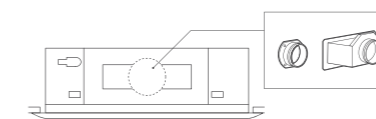
Easy fine-tune for installment height
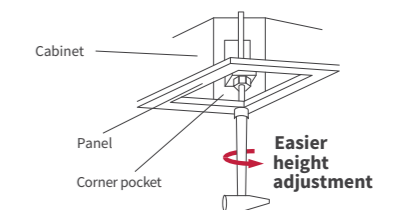
Cabinet

Panel

Corner pocket

Easier height adjustment

840mm   840mm

238mm

950mm   950mm

1.0~2.5 HP

840mm   840mm

288mm

950mm   950mm

3.0~6.0 HP

4 way compact cassette

Stylishly modern

30mm thickness

Fully opened louvers doesn't exceed the surface

Simple design

Compact design

20mm

Adaptation to **600×600**mm ceilings

600mm

600mm

Between ceiling lights
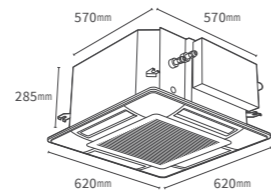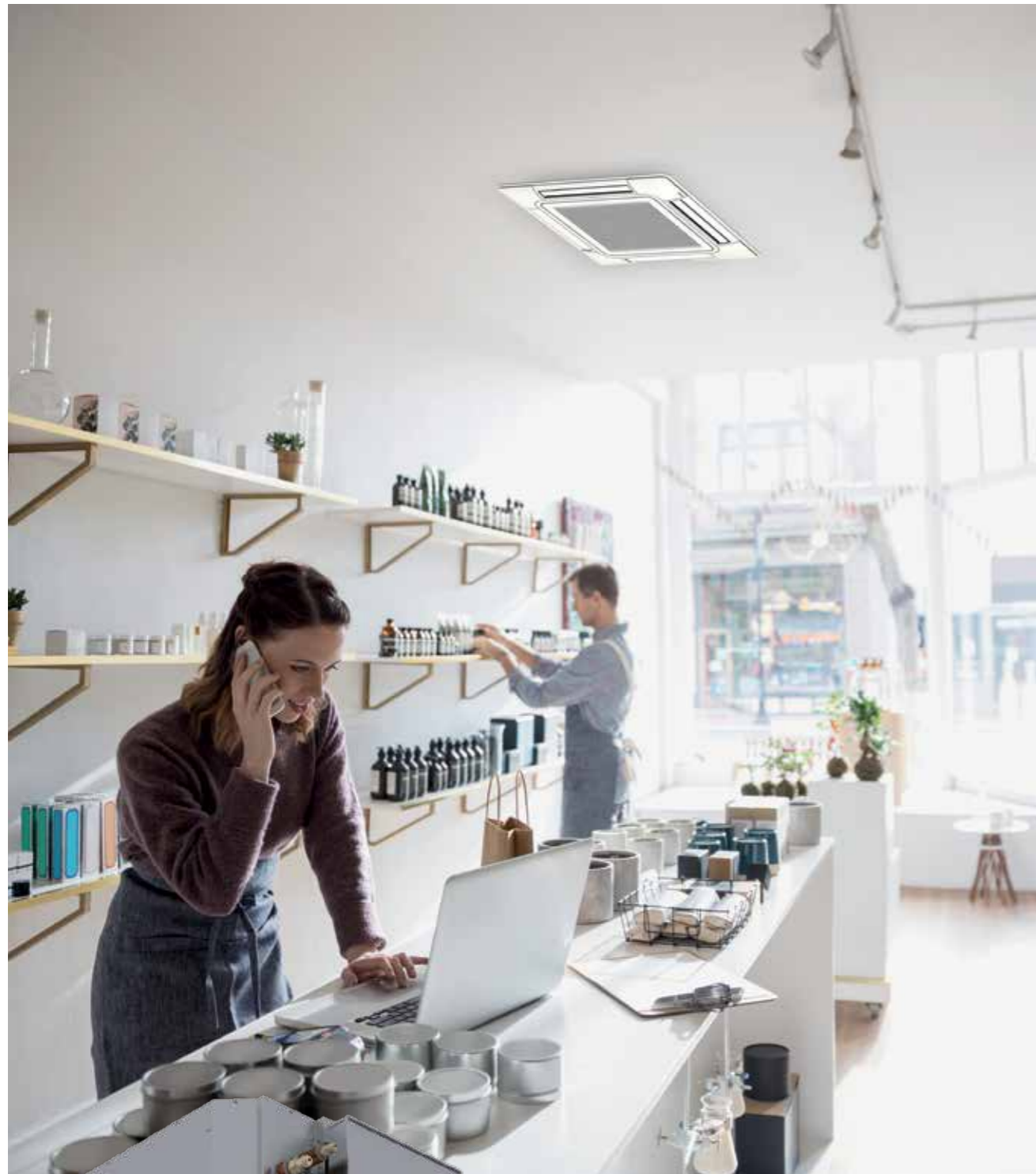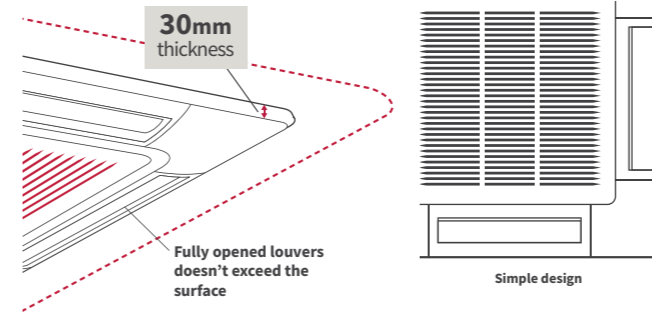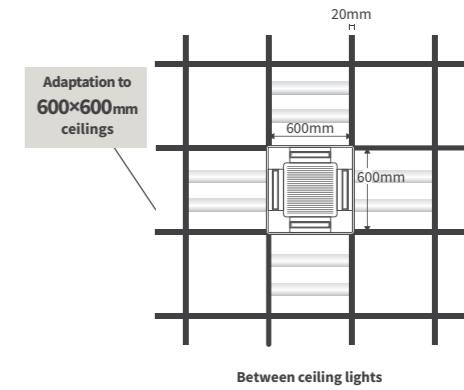
Engineered for high ceiling space

Hitachi's Compact Cassette AC are engineered to place at higher ceiling space such as car showroom space, banquets, and more. It comes with standard drain pump of 850 mm lift.

drain **850mm**

(Heating) Up to **3.5m** down

(Cooling) Up to **4.6m** down
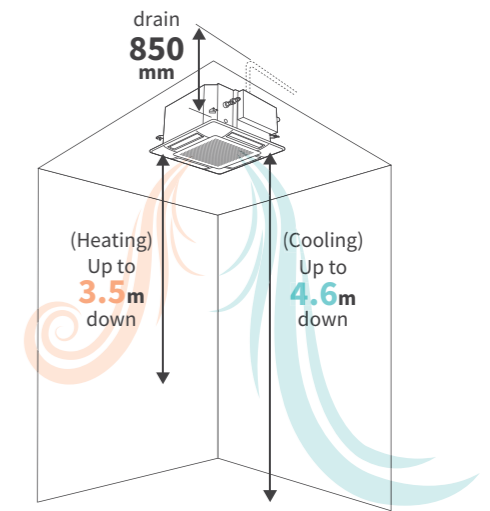
* Air flow rate: Hi2
* 2.0-2.5 FSN4

570mm 570mm

285mm

620mm 620mm

1.0~2.5 HP

Antibacterial drain pan

Adopting new antibacterial agent of drain pan for cleaner air and ease of maintenance.

Inhibit the generation of slime

Silent operation

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

*Air flow rate: Low
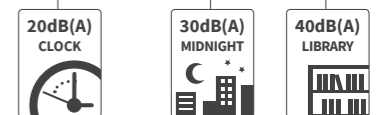
20dB(A) CLOCK

30dB(A) MIDNIGHT

40dB(A) LIBRARY

2 way cassette

860mm 630mm
298mm 30mm
710mm 1,100mm

0.8~3.0 HP

1,420mm 630mm
298mm 30mm
710mm 1,660mm

4.0~6.0 HP

Motion Sensor technology

Motion Sensor technology comes with the ability to ensure you get equal attention for equal cooling comfort and enjoy higher energy savings. It identifies the number of people and directs airflow as per the requirement. In case of human absence, the sensor automatically switches the AC off, reducing wastage of energy.

height 3.1m
above floor level 0.8m
diameter 8.5m
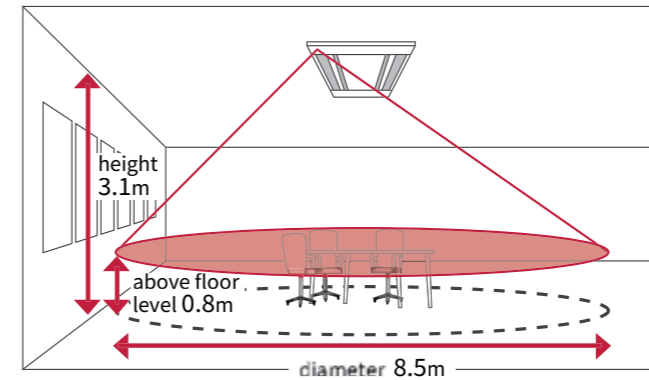
* Motion Sensor is an optional feature (SOR-NED) with use of advanced wired controller (PC-ARF/ PC-ARF1)

Engineered for high ceiling space

Hitachi's 2 Way Cassette AC is engineered to place at higher ceiling space such as car showroom space, banquets, and more. It comes with standard drain pump with 850 mm lift.

drain
850 mm

(Heating) Up to **3.5m** down

(Cooling) Up to **4.6m** down
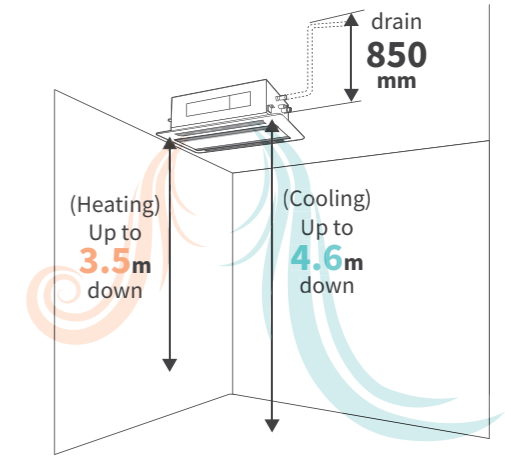
* Air flow rate: Hi2
* 2.0-6.0 FSN3

Individual louver control

Have control of the airflow with Individual louver. Its louver can be adjusted as per the requirement in each zone and the wastage of air to a dead zone can also be avoided.

Horizontal Blow
25°
louver opens up to
60°

Easy fine-tune for installment height

Easier height adjustment

Panel
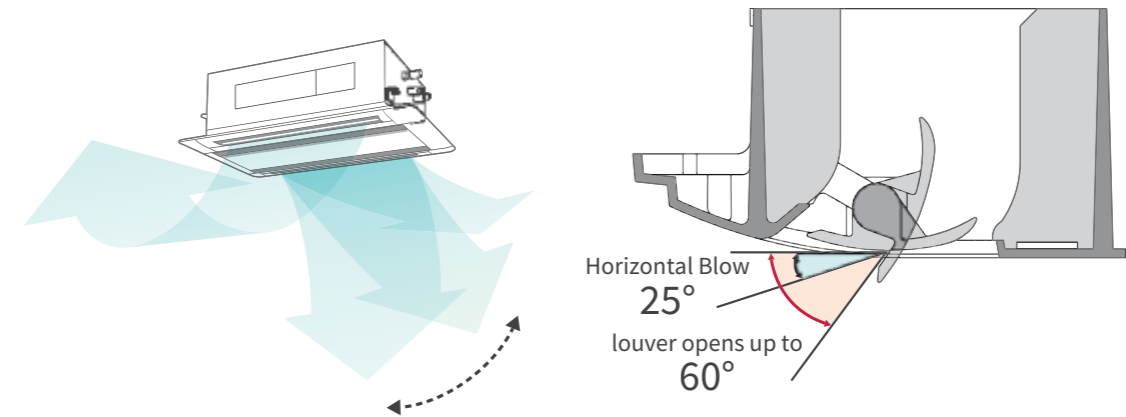
Corner pocket
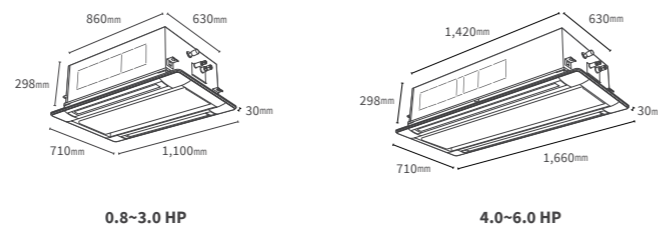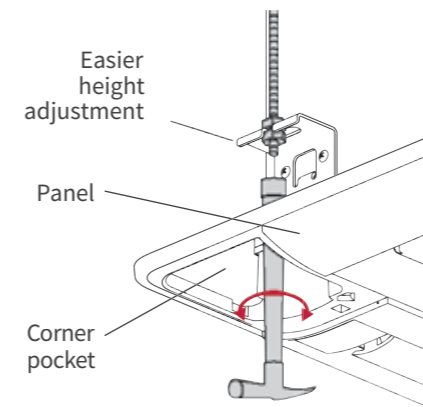
1 way cassette
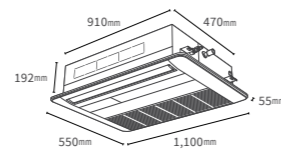
1.0~1.6 HP
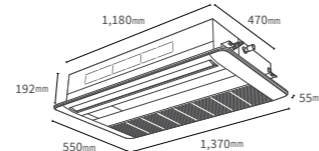
2.0~2.5 HP

3D air flow

3 directional air flow with broad air deflector design to have adjustable wind direction as per your need for a comfortable environment.
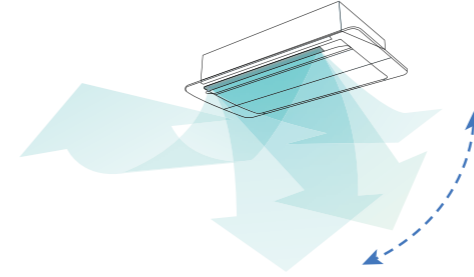
Sleek and compact design

470mm

Standard drain pump

Standard equipped drain pump with maximum drainage height up to 1200 mm

Up to
1200
mm
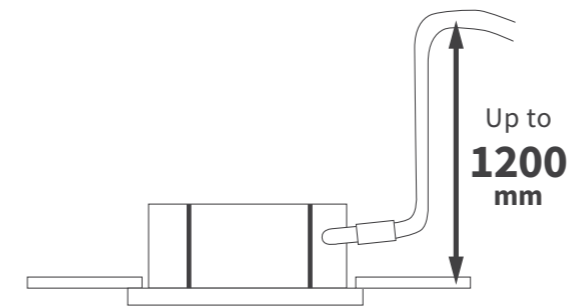
Silent operation

IDU capacity HP(Class)	1	1.3	1.6	2	2.5
Sound pressure level (dB(A))	27	28	30	31	32

*Air flow rate: Low

20dB(A)
CLOCK

30dB(A)
MIDNIGHT

40dB(A)
LIBRARY
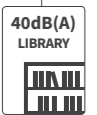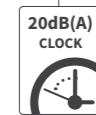
Adjustable air speed

Adoption of the efficient DC motor and the optimized duct design assure the smooth air flow.

Fresh air provision (Optional)

The unit can introduce fresh air from the external environment. With the filter facility, the air quality is guaranteed.

In-the-ceiling

Space saving installation
192 mm in height, low height residential ceilings pose no problem in installation. Low width starting of 700 mm makes this model suitable for installation in limited spaces in hotels.

Minimum 5mm

192mm

False Ceiling

192mm

700mm

*For 1 HP model
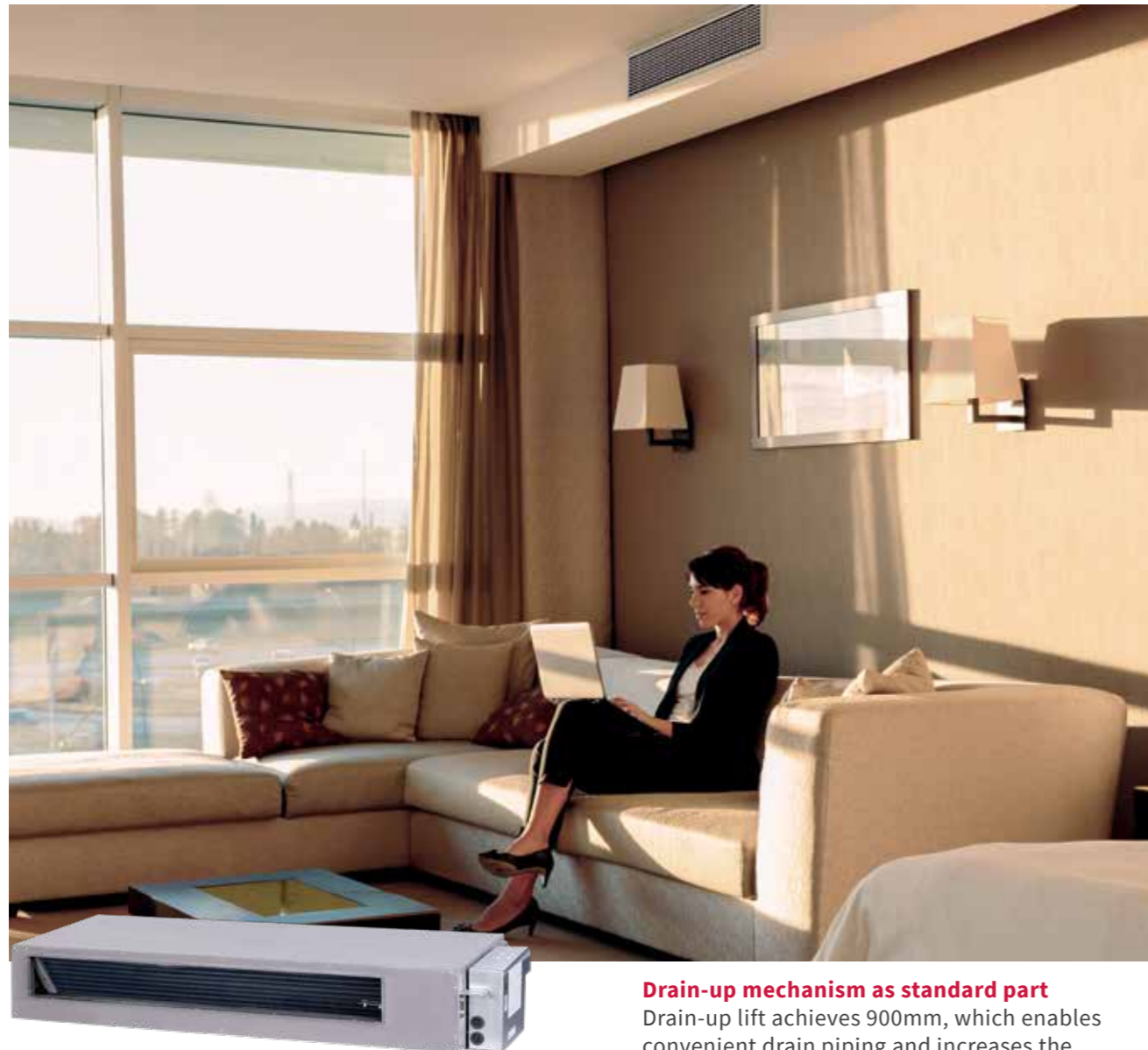
Drain-up mechanism as standard part
Drain-up lift achieves 900mm, which enables convenient drain piping and increases the flexibility of installation.

Elastic Hose

Drain-up Lift 900mm
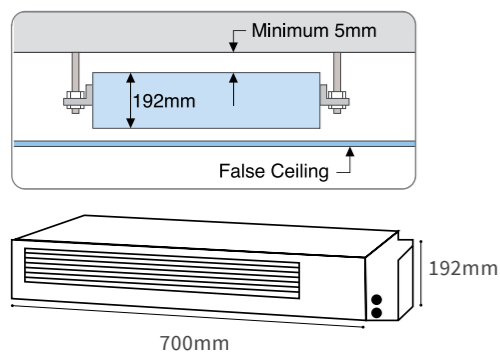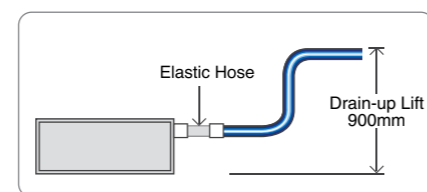
Designed for customised installations
The air inlet is available as rear or bottom entry, which gives the consumers the option to choose relevant air inlet mode according to the practical installation space.

Indoor Unit

Duct
Canvas Duct (Field-supplied)

Air Filter, Air Grid
(Field-supplied)
Air Inlet
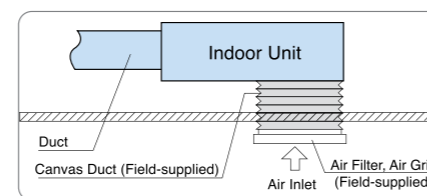
(Installation Diagram of Air Bottom Inlet)

In-the-ceiling (Duct type)

Broad range of external static pressure
At 20-50 pa, installation options comes in both long duct and short duct variants.

Flexibility in installation
Flexible installation with both LHS and RHS installation provisions. Suitable for any mirror application installation in hotels, villas, etc.
(available in 1.0, 1.5, & 2.0 HP models)

Connect multiple rooms
Flexibility to connect multiple rooms with single IDU when there is lesser space available.

Floor concealed

1.0~1.5 HP (620mm / 900mm / 202mm)

2.0~2.5 HP (620mm / 1,170mm / 202mm)
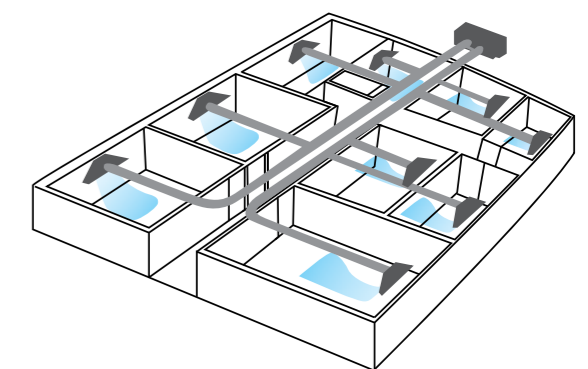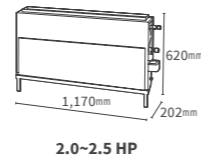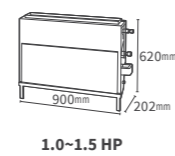
Design flexibility

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

Air Outlet

Cavity that conceals the unit

620 mm

900-1,170 mm

Air Inlet

202 mm

Floor/Ceiling convertible

2.0~2.5 HP (680mm / 230mm / 990mm)

3.0~4.0 HP (680mm / 230mm / 1,285mm)

5.0 HP (680mm / 230mm / 1,580mm)
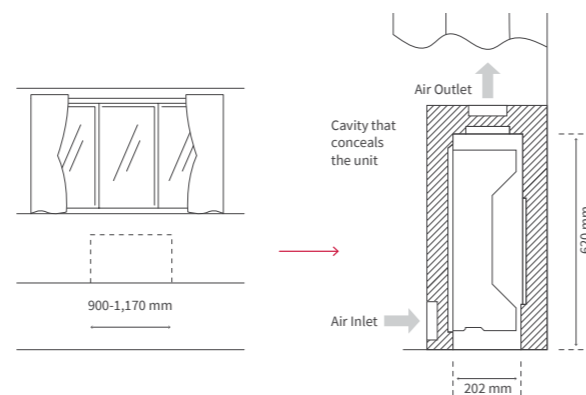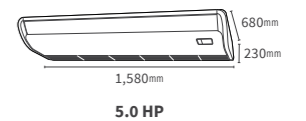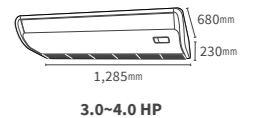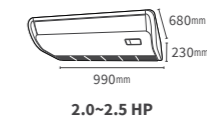
Installation on floor or ceiling

- When performance and practicality are a priority, convertible units are a functional solution
- Suitable for creating a calming and comfortable atmosphere in small to medium-sized spaces
- Each unit can be floor mounted or ceiling suspended
- Installation is simple and straight forward
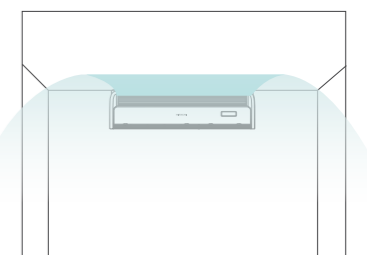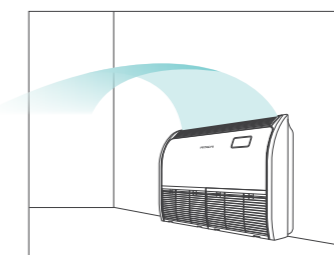
Hi wall
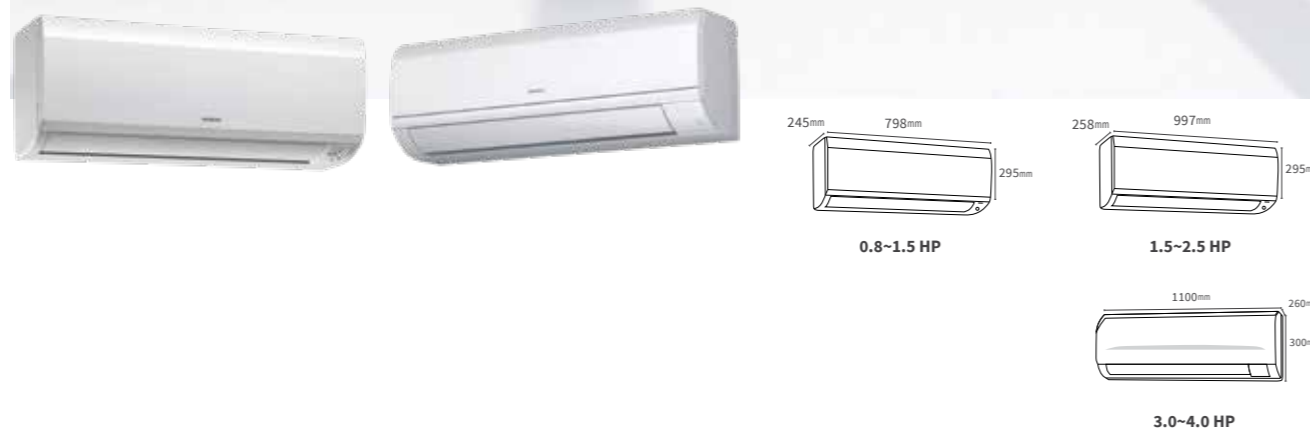
iClean⁺ technology

The revolutionary Auto Filter Cleaning technology in Hitachi Air Conditioners cleans the stainless steel coated filter of the AC automatically every 12 hours of cumulative running. The auto cleaning brush moves twice over the dust catcher to increase dust transfer capacity and ensures filter becomes dust free. Thus, the air coming from the AC is always clean and fresh.

Stainless Steel Coated Filter

Auto Cleaning Brush

Dust Catcher
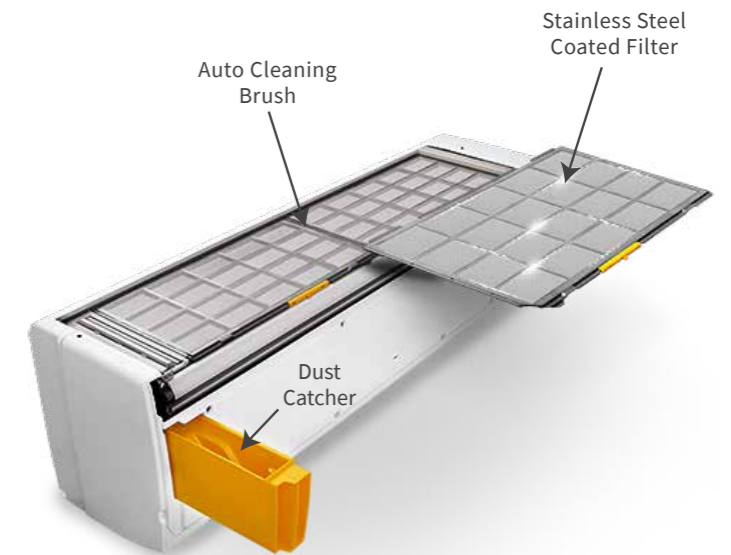
Benefits

Ever efficient

Without iClean

Energy saving

With iClean

1 2 3 4 5

Power Consumption Index

Ever powerful

Reduced Cooling without iClean+

Consistent Cooling with iClean+
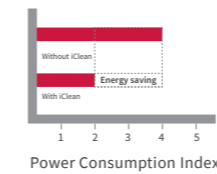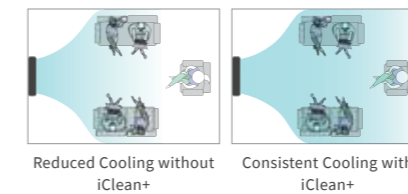
Ever clean
Dust on filter after a few days

Without Auto Filter Cleaning

With Auto Filter Cleaning
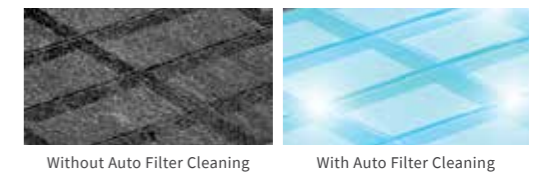
*Available in Hi-Wall iClean⁺ unit only

Motion Sensor technology

Motion Sensor technology comes with the ability to ensure you get equal attention for equal cooling comfort and enjoy higher energy savings. It identifies the number of people and directs airflow as per the requirement. In case of human absence, the sensor automatically switches the AC off, reducing wastage of energy. Motion Sensor technology is available in RPK-FSNK1/2

Motion Sensor Technology
to achieve better energy saving

74°

7m

Height 2.7m

0.327m

6.5m

245mm   798mm   295mm

0.8~1.5 HP

258mm   997mm   295mm

1.5~2.5 HP

1100mm   260mm   300mm

3.0~4.0 HP

Specifications

4 way cassette

Model		RCI-1.0FSKDNQ	RCI-1.5FSKDNQ	RCI-2.0FSKDNQ	RCI-2.5FSKDNQ	RCI-3.0FSKDNQ	RCI-4.0FSKDNQ	RCI-5.0FSKDNQ	RCI-6.0FSKDNQ
Indoor Unit Power Supply		AC 1Φ, 220-240 V / 50 Hz							
Nominal Cooling Capacity*1	kW	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Nominal Heating Capacity*2	kW	3.2	4.8	6.3	8.5	9.0	12.5	16.0	18.0
Sound Pressure Level*3 (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 Dimensions — Height	mm	238	238	238	238	288	288	288	288
Outer Dimensions — Width	mm	840	840	840	840	840	840	840	840
Outer Dimensions — Depth	mm	840	840	840	840	840	840	840	840
Net Weight	kg	20	21	21	22	26	26	26	26
Refrigerant		R410A							
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo)	m³/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
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo)	cfm	530/459/388/318	741/600/494/388	777/600/494/388	953/812/635/494	953/812/635/494	1306/1095/847/706	1306/1165/918/741	1306/1235/989/777
Motor Output	W	57	57	57	57	57	127	127	127
Connections		Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping — Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Refrigerant Piping — Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Refrigerant Piping — Condensate Drain		VP25							
Decoration Panel		P-N23NA2 (Included)							
Color		Neutral White							
Outer Dimensions (H X W X D)	mm	40 X 950 X 950							
Net Weight	kg	6.5							

1 way cassette

Model		RCIS-1.0FSKDNQ	RCIS-1.3FSKDNQ	RCIS-1.6FSKDNQ	RCIS-2.0FSKDNQ	RCIS-2.5FSKDNQ
Indoor Unit Power Supply		AC 1Φ, 220 V / 50 Hz				
Nominal Cooling Capacity*1	KW	2.8	3.6	4.5	5.6	7.1
Nominal Heating Capacity*2	KW	3.2	4.0	5.0	6.3	8.0
Sound Pressure Level*3 (Hi2/Hi/Me/Lo/Slo/Silent)	dB (A)	32/31/30/29/28/27	37/35/34/32/30/28	41/37/34/33/31/30	40/38/35/33/32/31	46/42/40/37/34/32
Outer Dimensions — Height	mm	192	192	192	192	192
Outer Dimensions — Width	mm	910	910	910	1180	1180
Outer Dimensions — Depth	mm	470	470	470	470	470
Net Weight	Kg	19	20	20	24	24
Refrigerant		R410A				
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo/Slo/Silent)	m3/min	6.6/6.2/5.6/5.1/4.8/4.6	8.3/7.3/6.8/6.2/5.6/5.1	10/8.3/6.8/6.3/5.7/5.2	12.1/9.9/8.8/8.2/7.8/6.6	15.6/12.6/11.2/9.9/8.4/7.1
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo/Slo/Silent)	cfm	233/219/198/180/169/162	293/258/240/219/198/180	353/293/240/222/201/183	427/350/311/290/275/233	551/445/395/350/297/251
Motor Output	W	20	30	40	40	80
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping — Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
Refrigerant Piping — Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Refrigerant Piping — Condensate Drain		VP25				
Decoration Panel		P-N45SNKQAE (Included for RCIS-[1.0-1.6]FSKDNQ)			P-N71SNKQAE (Included for RCIS-[2.0-2.5] FSKDNQ)	
Color		Neutral White			Neutral White	
Outer Dimensions (H X W X D)	mm	55 X 1100 X 550			55 X 1370 X 550	
Net Weight	Kg	5.0			6.0	

4 way compact cassette

Model		RCIM-1.0FSN4	RCIM-1.5FSN4	RCIM-2.0FSN4	RCIM-2.5FSN4
Indoor Unit Power Supply		AC 1Φ, 220-240 V / 50 Hz			
Nominal Cooling Capacity*1	kW	2.8	4.0	5.6	7.1
Nominal Heating Capacity*2	kW	3.2	4.8	6.3	8.5
Sound Pressure Level*3 (Hi2/Hi/Me/Lo)	dB(A)	38/34/30/24.5	41/37/33/27.5	45/39/35/31	47/43/39/35
Outer Dimensions — Height	mm	285	285	285	285
Outer Dimensions — Width	mm	570	570	570	570
Outer Dimensions — Depth	mm	570	570	570	570
Net Weight	kg	16	16	17	17
Refrigerant		R410A			
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo)	m³/min.	12/10/8.5/6	13/11/9.5/7	15/12/10/8	16/14/12/10
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo)	cfm	424/353/300/212	459/388/335/247	530/424/353/282	565/494/424/353
Motor Output	W	57	57	57	57
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping — Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52
Refrigerant Piping — Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88
Refrigerant Piping — Condensate Drain		VP25			
Decoration Panel		P-AP56NAM (without motion sensor)			
Color		Neutral White			
Outer Dimensions (H X W X D)	mm	30 X 620 X 620			
Net Weight	kg	2.5			

2 way cassette

Model		RCD-0.8FSN3	RCD-1.0FSN3	RCD-1.5FSN3	RCD-2.0FSN3	RCD-2.5FSN3	RCD-3.0FSN3	RCD-4.0FSN3	RCD-5.0FSN3	RCD-6.0FSN3
Indoor Unit Power Supply		AC 1Φ, 220-240 V / 50 Hz								
Nominal Cooling Capacity*1	kW	2.2	2.8	4.0	5.6	7.1	8.0	11.2	14.0	16.0
Nominal Heating Capacity*2	kW	2.5	3.2	4.8	6.3	8.5	9.0	12.5	16.0	18.0
Sound Pressure Level*3 (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 Dimensions — Height	mm	298	298	298	298	298	298	298	298	298
Outer Dimensions — Width	mm	860	860	860	860	860	860	1,420	1,420	1,420
Outer Dimensions — Depth	mm	630	630	630	630	630	630	630	630	630
Net Weight	kg	23	23	25	25	25	25	39	39	39
Refrigerant		R410A								
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo)	m³/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
Indoor Fan — Air Flow Rate (Hi2/Hi/Me/Lo)	cfm	353/318/265/230	388/335/300/247	530/459/406/353	583/512/441/371	653/583/512/441	742/653/565/441	1,059/936/812/706	1,236/1,095/953/742	1,306/1,147/1,006/847
Motor	W	57	57	57	57	57	57	57 x 2	57 x 2	57 x 2
Connections		Flare-Nut Connection (with Flare Nuts)								
Refrigerant Piping — Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Refrigerant Piping — Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Refrigerant Piping — Condensate Drain		VP25								
Decoration Panel		P-AP90DNA (for RCD- [0.8-3.0] FSN3)						P-AP160DNA (for RCD- [4.0-6.0] FSN3)		
Color		Neutral White						Neutral White		
Outer Dimensions (H X W X D)	mm	30 X 1100 X 710						30 X 1660 X 710		
Net Weight	kg	7.5						10.5		

Notes for RCI-FSKDNQ, RCIM-FSN4, RCIS-FSKDNQ & RCD-FSN3:
*1 & *2. The cooling and heating capacities shown in the table are based on following conditions:
Cooling Operation Conditions: Indoor Air Inlet Temperature: 27° C DB, 19°C WB. Outdoor Air Inlet Temperature: 35°C DB.
Heating Operation Conditions: Indoor Air Inlet Temperature: 20° C DB. Outdoor Air Inlet Temperature: 7°C DB , 6°C WB.
Piping Length: 7.5 meters. Piping Lift: 0 meter.

Notes for RCI-FSKDNQ, RCIM-FSN4, RCIS-FSKDNQ & RCD-FSN3:
*3. The sound pressure level is based on following conditions:
1.5 meters beneath the unit. The data's mentioned in table was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

SET FREE mini

Indoor Life

Floor/Ceiling convertible

Model			RPFC-2.0FSNQ	RPFC-2.5FSNQ	RPFC-3.0FSNQ	RPFC-4.0FSNQ	RPFC-5.0FSNQ
Indoor Unit Power Supply			AC 1Φ, 220-240 V / 50 Hz				
Nominal Cooling Capacity*1		kW	5.6	7.1	8.4	11.2	14.2
Nominal Heating Capacity*2		kW	6.5	8.5	9.6	13.0	16.3
Sound Pressure Level*4 (Hi/Me/Lo)	Ceiling	dB(A)	39/35/30	45/41/37	43/39/34	51/46/40	50/46/42
	Floor		43/38/35	48/44/40	46/41/37	54/49/43	55/50/46
Outer Dimensions	Height	mm	230	230	230	230	230
	Width	mm	990	990	1,285	1,285	1,580
	Depth	mm	680	680	680	680	680
Net Weight		kg	31	32	39	41	47
Refrigerant			R410A				
Indoor Fan	Air Flow Rate (Hi/Me/Lo)	m³/min	13/11/9	16.1/14/11.3	18.2/15.2/12.2	24.8/20.5/16.3	33/28/23
		cfm	459/388/318	568/494/399	643/537/431	876/724/576	1165/989/812
Motor Output		W	40	70	70	130	160
Connections			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping	Liquid Line	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	Condensate Drain		VP25				

Hi wall

Model			RPK-0.8FSNK2	RPK-1.0FSNK2	RPK-1.5FSNK2	RPK-2.0FSNK2	RPK-2.5FSNK2	RPK-1.5FSNK1	RPK-2.0FSNK1	RPK-2.5FSNK1	RPK-3.0FSN4M	RPK-4.0FSN4M
Indoor Unit Power Supply			AC 1Φ, 230 V / 50 Hz									
Nominal Cooling Capacity*1		KW	2.2	2.8	4.0	5.6	7.1	4.0	5.6	7.1	8.0	11.2
Nominal Heating Capacity*2		KW	2.6	3.2	4.8	6.3	8.5	4.8	6.3	8.5	9.0	12.5
Sound Pressure Level*3 (Hi2/Hi/Me/Lo/Slo)		dB (A)	40/38/36/34/32	43/40/37/35/33	45/40/37/35/33	48/45/42/39/35	49/46/43/40/36	45/42/39/37/35	48/45/42/39/35	49/46/43/40/36	47/44/40/35	51/48/44/39
Outer Dimensions	Height	mm	295	295	295	295	295	295	295	295	300	300
	Width	mm	798	798	798	997	997	997	997	997	1100	1100
	Depth	mm	245	245	245	258	258	258	258	258	260	260
Net Weight		Kg	10.0	10.0	10.0	13.5	13.5	13.5	13.5	13.5	15.0	15.0
Refrigerant			R410A									
Indoor Fan	Air Flow Rate (Hi2/Hi/Me/Lo/Slo)	m3/min	9.8/9.1/8.5/7.8/7.1	10.5/9.8/8.5/8.0/7.3	12/10.7/9.3/8.8/8	16.6/15/13.5/11.5/10	19/17.2/15.4/13.1/11.4	15/13.5/11.5/10.7/10	16.6/15/13.5/11.5/10	19/17.2/15.4/13.1/11.4	20/17.5/15.5/12.5	23/20/17.5/14.5
		cfm	346/321/300/275/250	371/346/300/282/258	424/378/328/311/282	586/530/477/406/353	671/607/544/462/403	530/477/406/378/353	586/530/477/406/353	671/607/544/462/403	706/618/547/441	812/706/618/512
Motor Output		W	18	18	18	30	30	30	30	30	38	38
Connections			Flare-Nut Connection (with Flare Nuts)									
Refrigerant Piping	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88
iClean Function			No	No	No	No	No	Yes	Yes	Yes	No	No

In-the-ceiling

Model			RPIZ-1.0HNATNQ	RPIZ-1.5HNATNQ	RPIZ-2.0HNATNQ	RPIZ-2.5HNATNQ
Indoor Unit Power Supply			AC 1Φ, 220-240V / 50 Hz			
Nominal Cooling Capacity*1		KW	2.8	4.0	5.6	7.1
Nominal Heating Capacity*2		KW	3.2	4.5	6.3	8.0
Sound Pressure Level*3 *5 (Hi/Me/Lo)			30/23/20	32.5/26/23	34/26/25	37/29/27
Outer Dimensions	Height	mm	192	192	192	192
	Width	mm	700	910	1180	1180
	Depth	mm	447	447	447	447
Net Weight		Kg	17.0	21.0	27.0	28.0
Refrigerant			R410A			
Indoor Fan	Air Flow Rate (Hi/Me/Lo)	m3/min	9.5/6.5/5.5	10/7/6	15/10/9	17/10/9
		cfm	335/230/194	353/247/212	530/353/318	600/353/318
External Static Pressure*6		Pa	10(30)	10(30)	10(30)	10(30)
Motor Output		W	28	28	45	60
Connections			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.53
	Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88

In-the-ceiling (Duct type)

Model*7			RPIL1.0FSNK3	RPIL1.5FSNK3	RPIL2.0FSNK3	RPIL2.0FSNK	RPIL2.5FSNK	RPIL3.0FSNK	RPIM4.0FSNK	RPIM5.0FSNK
Indoor Unit Power Supply			AC 1Φ, 230 V / 50 Hz							
Nominal Cooling Capacity*1		KW	2.8	4.3	5.6	5.6	7.1	8.4	11.2	14.0
Nominal Heating Capacity*2		KW	3.3	4.9	6.3	6.3	8.5	9.0	12.5	16.0
Sound Pressure Level*3 *5 (Hi/Me/Lo)		dB (A)	32/30/28	36/34/32	37/35/33	36/34/31	37/34/32	40/37/33	52/49/47	55/52/50
Outer Dimensions	Height	mm	280	280	280	280	280	280	385	385
	Width	mm	800	800	800	1130	1130	1130	1190	1190
	Depth	mm	535	535	535	535	535	535	675	675
Net Weight		Kg	28.0	28.0	28.0	31.0	32.0	32.0	63.0	65.0
Refrigerant			R410A							
Indoor Fan	Air Flow Rate (Hi/Me/Lo)	m3/min	10/8/7	13/11/9	15/13/11	18.4/15.7/14	23/20/15.6	28/24/20	33/31/28	45/41/37.5
		cfm	353/282/247	459/388/317	529/459/388	650/550/500	800/700/550	1000/850/700	1200/1100/990	1600/1460/1325
External Static Pressure		Pa	19	19	19	19	19	19	49	49
Motor Output		W	24	24	24	50	50	50	220	220
Connections			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	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88

Notes for RPFC-FSNQ, RPIZ-HNATNQ, RPK-FSNK2/FSNK1/FSN4M & RPIL-FSNK/FSNK3:
1*1 & *2. The cooling and heating capacities shown in the table are based on following conditions:
Cooling Operation Conditions: Indoor Air Inlet Temperature: 27° C DB, 19°C WB. Outdoor Air Inlet Temperature: 35°C DB.
Heating Operation Conditions: Indoor Air Inlet Temperature: 20° C DB. Outdoor Air Inlet Temperature: 7°C DB , 6°C WB.
Piping Length: 7.5 meters. Piping Lift: 0 meter.

Notes for RPFC-FSNQ, RPIZ-HNATNQ, RPK-FSNK2/FSNK1/FSN4M & RPIL-FSNK/FSNK3:
The sound pressure level is based on following conditions:
*3. 1.5 meters beneath the unit. *4. 1 meter from the unit & 1 meter from the floor level.
The data's mentioned in the table was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
*5 When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode & the room structure.
*6 The data for external pressure indicates standard pressure setting values when air filter is not used.
*7. More Models RPIL1.0FSNK4, RPIL1.5FSNK4, RPIL2.0FSNK4 are available with left hand side installation provision.

Floor concealed

Model			RPFI-1.0FSNQ	RPFI-1.5FSNQ	RPFI-2.0FSNQ	RPFI-2.5FSNQ
Indoor Unit Power Supply			AC 1Φ, 230 V / 50 Hz			
Nominal Cooling Capacity*1		kW	2.8	4.3	5.6	7.1
Nominal Heating Capacity*2		kW	3.3	4.9	6.5	8.5
Sound Pressure Level*3 (Hi/ Me/ Lo)		dB (A)	37/34/31	40/38/35	42/38/36	45/43/40
Outer Dimensions	Height	mm	620	620	620	620
	Width	mm	900	900	1170	1170
	Depth	mm	202	202	202	202
Net Weight		Kg	25	26	34	34
Refrigerant			R410A			
Indoor Fan	Air Flow Rate Hi/Me/Lo	m³/min	8.0/7.0/6.0	10/8.0/7.0	14.5/12.5/10.5	16/14/12
		cfm	282/247/212	353/282/247	512/441/371	565/494/424
Motor Output		W	20	35	40	50
Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.53
	Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
	Condensate Drain		VP 25	VP 25	VP 25	VP 25

Notes for RPFI-FSNQ:
1*1 & *2. The cooling and heating capacities shown in the table are based on following conditions:
Cooling Operation Conditions: Indoor Air Inlet Temperature: 27° C DB, 19°C WB. Outdoor Air Inlet Temperature: 35°C DB.
Heating Operation Conditions: Indoor Air Inlet Temperature: 20° C DB. Outdoor Air Inlet Temperature: 7°C DB , 6°C WB.
Piping Length: 7.5 meters. Piping Lift: 0 meter.
*3. The sound pressure level is based on following conditions:
1.5 meters from the unit and 1.5 meters from floor level. The data's mentioned in the table was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Control systems

Whether you are at work or play, SET FREE mini allows you to have control over your living environment. By providing control systems that are easy to understand and use, we enable you to easily and accurately achieve optimal air conditioning management in a whole range of living spaces.

Line up overview

Individual Controllers

		Wired remote controller	Advanced wired remote controller	Wireless remote controller	Wireless remote controller
		HCWA10NEGQ	PC-ARF1	PC-AWR	PC-LH3C
Connection Capacity	RCS Groups	1	1	-	-
	Indoor Units (*1)	16	16	-	-
Setting	Temperature Setting Rate (*2)	0.5°C/1.0°C/1.0°F	0.5°C/1.0°C/1.0°F	1.0°C/1.0°F	1.0°C
	Indoor Fan Speed (*2) (*3)	3/4/6 taps	3/4/6 taps	3/4/6 taps	3 taps
	Louver Direction (*2)	●	●	●	●
	Individual Louver Setting (*2)	●	●	-	-
	Remote Control Primary-Secondary Setting	-	●	-	-
Function Selection	Automatic Restart with Eco-operation	-	●	-	-
	Automatic Reset Temperature (Cooling)	●	●	-	-
	Temperature Indication (*4)	●	●	-	-
Service and Installation	Filter Sign	●	●	-	-
	Filter Sign Reset	●	●	●	●
	Louver Open/Close	-	●	-	-
	Room Name Setting	-	●	-	-
	Alarm Sign	●	●	-	-
	Identifying Indoor Units side-by-side	-	-	●	●
	Screen — Screen Adjustment	-	●	-	-
	Screen — Language	-	●	-	-
	Screen — Temperature Unit-°C/°F	●	●	●	-
	Screen — Adjusting Brightness of Run Indicator	-	●	-	-
	Check Menu — Sensor Condition Check	●	●	-	-
	Check Menu — Model Display (*2)	-	●	-	-
	Check Menu — Indoor/Outdoor PCB Check	-	●	-	-
	Check Menu — Alarm History Display	●	●	-	-
Management	Operation Lock/Set	● (*6)	●	-	-
	Lower Limit for Cooling Operation	●	●	-	-
	Upper Limit for Heating Operation	●	●	-	-
	Built-in Timer (On/Off)	●	●	●	●
	Adjusting Date/Time Setting	●	●	-	-
	Automatic OFF Timer Setting	-	●	-	-
	Schedule — Weekly Schedule	●	●	-	-
	Schedule — Settable Timer Operation Times (Per Day)	1	5	-	-
	Schedule — Holiday Setting	-	●	-	-
	Schedule — Schedule On/Off	-	●	-	-
Power Saving	Power Saving with Motion Sensor	-	●	-	-
	Outdoor Unit capacity control — Peak Cut Control	-	●	-	-
	Outdoor Unit capacity control — Moderate Control	-	●	-	-
	Indoor Unit Rotation Control — Indoor Unit Address	-	●	-	-
	Indoor Unit Rotation Control — Indoor Air Temperature difference	-	●	-	-
	Automatic Fan Operation	-	●	-	-
Menu	ODU Silent Mode	-	●	-	-
	Quick Function	-	●	-	-
	Comfort Setting — Control Cool Air	-	●	-	-
	Saving/ODU Noise Reduction Schedule	-	●	-	-
	Daylight Saving Time	-	●	-	-
	Power Consumption visualization	-	●	-	-

(*1) All 16 Indoor Units need to be connected with transition wire.
(*2) Availability depends on the Indoor Unit type connected to the each Individual Controllers. Please consult your distributors for more details.
(*3) 6 taps is available for Ducted Indoor Unit, Compact Type, RPIZ-HNDTSQ only.
(*4) Indicated temperature can be selected from two options, the thermistor in the Indoor Unit or in the Individual Controller.
(*5) Please contact your distributor in case temperature unit needs to be changed from °C to °F.
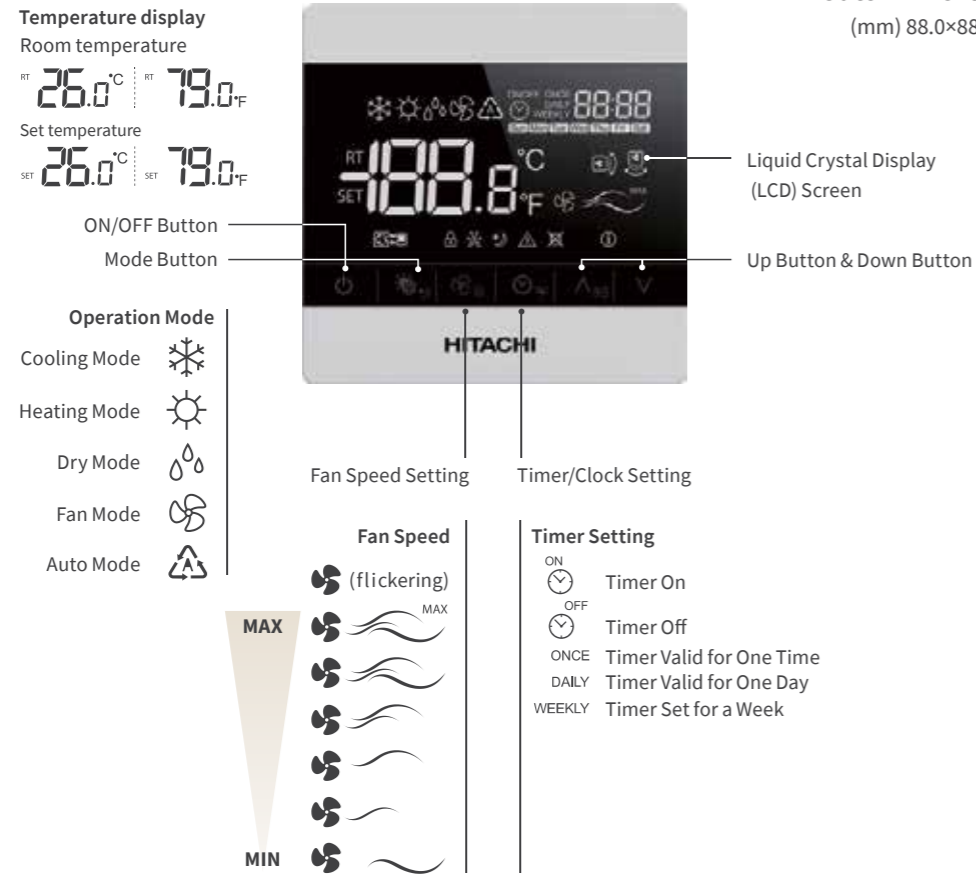(*6) Only "bulk operation lock" available

Centralized Controllers

		Central Station mini	Central Station	Centralized on/off controller
		PSC-A32MN	PSC-A64S	PSC-A16RS
Capacity Comparison	Total Connection Capacity — RCS Group	32	64	16
	Total Connection Capacity — Group	32	64	-
	Total Connection Capacity — Block	2/4/8/16	4	-
	Total Connection Capacity — Area	-	-	-
	Total Connection Capacity — Indoor Unit	160	160	160
	Total Connection Capacity — Outdoor Unit	64	64	-
	Building Scale	Small	Medium	Medium
	Operation	Touch screen	Button	Button
Display	Operation Panel Size Options	4	-	-
	Layout	-	-	-
	List Options	-	-	-
Operation Unit	All Together	●	●	●
	By Layout	-	-	-
	By Area	-	-	-
	By Block	●	●	-
	By Group	-	-	-
	By RCS Group	●	●	●
	By Indoor Unit	-	-	
Control Function	Main 5 Functions (*5)	●	●	- (*6)
	Individual Controller Lock	●	●	-
	Filter Sign Reset	●	●	-
	Outdoor Unit Capacity Control	△ (*4)	-	-
	Outdoor Unit Noise Control	-	-	-
Monitor Function	Main 5 Functions (*5)	●	●	-
	Individual Controller Lock	●	●	-
	Alarm Status & Code	●	●	- (*7)
	Filter Sign	●	●	-
	Air Inlet Temperature of Indoor Unit	●	-	-
	Air Inlet Temperature of Outdoor Unit	●	-	-
Schedule Function	Weekly	●	- (*8)	- (*8)
	Setting Times Per Day	10	3 (*8)	3 (*8)
	Special day setting	-	-	-
	Annual/Summer/Winter schedule	-	-	-
Other Function	Alarm History (Records Number)	100	-	-
	External In/Output History	-	-	-
	Management Report Visualization	●	-	-
	Data Output by External Media	-	-	-

(*4) Applicable by Schedule function or External Signal input
(*5) Main 5 functions mean 1) Run/Stop 2) Operation mode 3) Temperature setting 4) Fan speed 5) Louver control
(*6) Only Run/Stop is available
(*7) Alarm Code cannot be displayed, but Operation indicator keeps flashing in red to inform abnormal condition
(*8) Available with 7-day timer (PSC-A1T)

SET FREE mini

Control Systems

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Wired remote controller HCWA10NEGQ

Specifications

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

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

MAX

MIN

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

Functions

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

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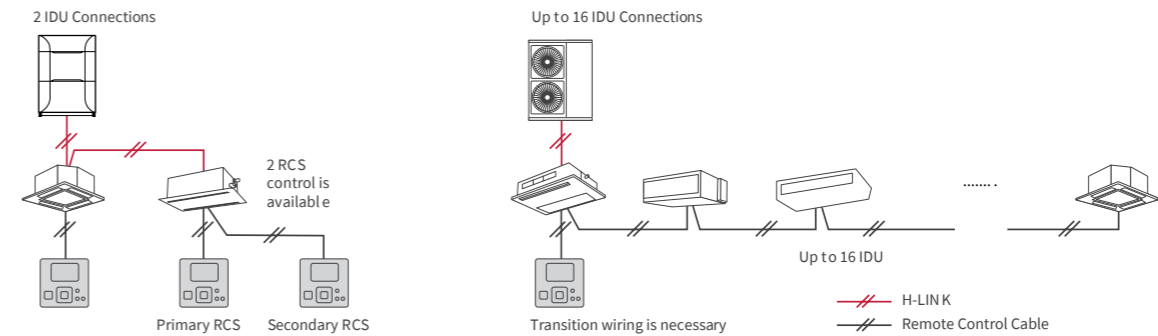

Advanced wired remote controller PC-ARF1

Specifications

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

Room Name Indicator

Swing Louver Indicator

Fan Speed Indicator

Ventilation Indicator

FLTR Filter Sign Indicator Fltr

🔒 Operation Lock Indicator

🕐 Schedule Timer Indicator

Operation Mode Indicator

Operation Guide Indicator

Setting Temperature Indicator

Run Indicator

Run/Stop Switch

Menu Switch

Directional Key   Enter Key   Back/Help Switch   ECO Switch

Example of system configuration

2 IDU Connections

2 RCS control is available

Primary RCS   Secondary RCS

Up to 16 IDU Connections

Up to 16 IDU

Transition wiring is necessary

▨ H-LINK
▨ Remote Control Cable

Functions

Setting	Run/Stop	**Service**	Filter Sign	**Power-Saving**	With Motion Sensor Kit
	Operation Mode		Filter Sign Reset		ODU Capacity Control
	Auto Mode Setting		Louver Open/Close		• Peak Shaving Control
	Temperature Setting		Room Name Setting		• Proper Limit Control
	Temperature Setting Rate_0.5°C/1.0°C/1.0°F		Alarm Sign		Indoor Unit Rotation Control
	Fan Speed_3/4/6 taps		Alarm History Display		Automatic Fan Operation
	Louver Direction	**Screen**	Screen Adjustment		Auto Recovery of Temperature
	Individual Louver Setting		Temperature Unit_°C/°F		Upper Limit for Heating Operation
	Remote Control Primary-Secondary Setting		Adjusting Brightness of Run Indicator		Lower Limit for Cooling Operation
Function Selection	Automatic Restart with Eco-operation	**Management**	Operation Lock/Set	**Schedule**	Weekly Schedule
			Main/Sub Control		Settable Timer Operation Times (per day): 5
	Automatic Reset Temperature (Cooling/Heating)		Built-in Timer (On/Off)		Holiday Setting
			Adjusting Date/Time Setting		Schedule On/Off
	Temperature Indication		Thermometer Indication		ODU Noise Reduction Schedule

Central Station mini
For small-scale buildings
PSC-A32MN

120mm

140mm

22 52.7

Lateral View (mm)
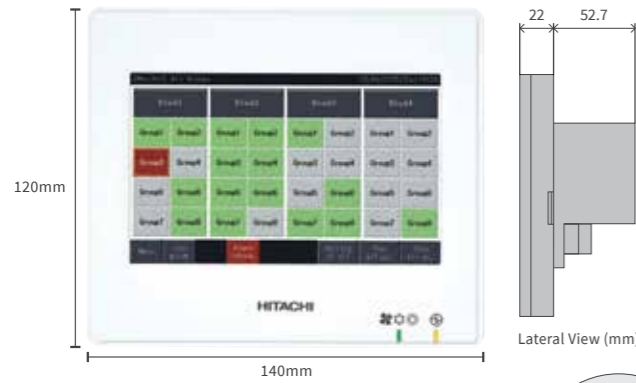
Most compact in our Touch Panel Centralized Controller. Its down-to-detail control functionalities, such as Weekly Scheduling, Accumulated Work Hours, etc., helps you save energy. Up to 32 remote-controlled groups and up to 160 Indoor Units can be connected to a single air-conditioning system.

Capacity

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

Specifications

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

Functions

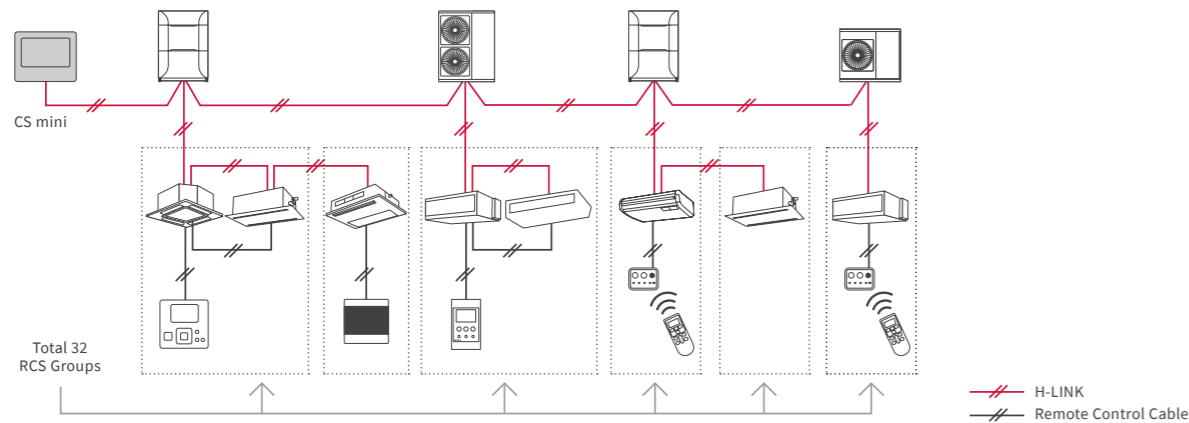|	
Monitor Function	• Run/Stop/Abnormality • Setting Temperature • RCS Operation Prohibited Setting • Accumulated Operating Time • Operation Mode • Setting Fan Speed • Setting Louver • Filter Sign • Alarm Code
Control Function	• Run/Stop* • Fan Speed • Operation Mode • Louver • Temperature Setting •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

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

Recommended facilities

OFFICE RETAIL HISTORIC BUILDING HOSPITAL SCHOOL

Example of system configuration

CS mini

Total 32 RCS Groups

H-LINK
Remote Control Cable

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air Cloud Pro

Control is in your hands
New IoT VRF management

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

Intuitive simplicity

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

Control from anywhere

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

✓ **For stand-alone and multi-site applications**

Ideal for

OFFICE HOSPITAL SCHOOL / UNIVERSITY RESTAURANT HOTEL RETAIL
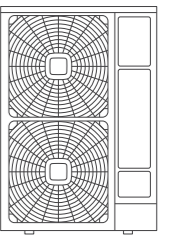
Is airCloud Pro for me?

All VRF users can enjoy these benefits
- Save energy
- Save time and unnecessary transportation
- Delegate administrators of VRF systems
- Create a comfortable climate for guests

Future-proof

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

Compatible with new and previous Hitachi Variable Refrigerant Flow systems[1]
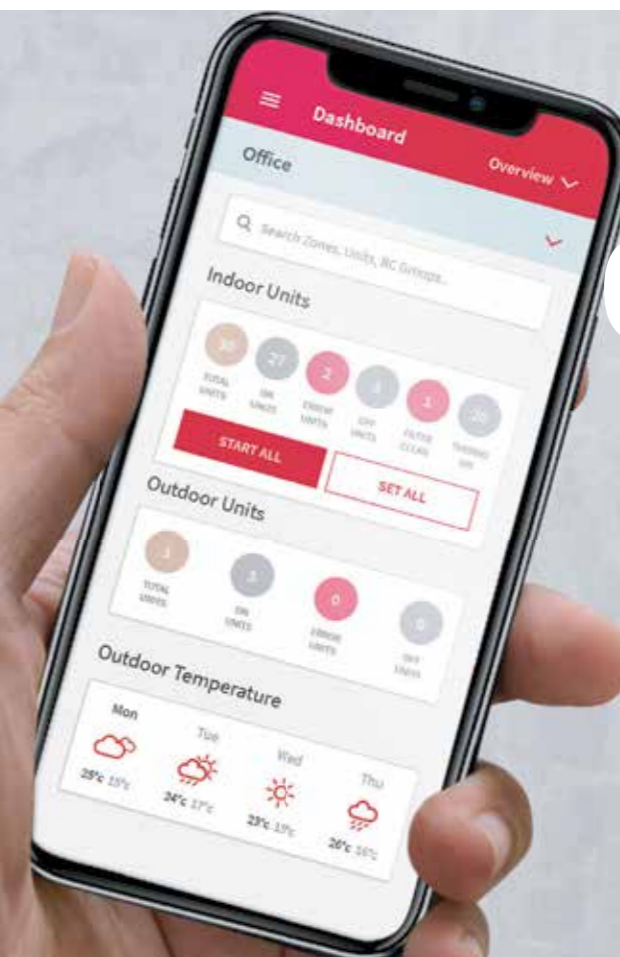

Download today

Available on the **App Store**

ANDROID APP ON **Google Play**

www.aircloudapp.com

SET FREE mini

Control Systems

airCloud Pro Pilot
A simple yet powerful tool

Simplify your job

The Pilot app makes managing your VRF systems easy.

Centralized control
Control your entire VRF system or selected zones with one touch.

Simplified troubleshooting
A clear error history, concise error description and follow-up.

Smartphone alerts[2]
In the event of a critical malfunction.

Flexible user management[2]
Add users and custom access restrictions.

Save more energy

Intuitive scheduling
Plan operations ahead based on your business hours.

Individual controller lock
Prevent inappropriate usage from occupants.

Create better comfort

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

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

Easy plug-and-play

Our airCloud Gateway makes installation easy.

Connect to the airCloud via **3G/4G**[3] **or Ethernet** and pair your VRF systems via QR code scan. With **automatic detection of Indoor Units** and an optimized **Installer View**, configuring your site and zones has never been quicker.
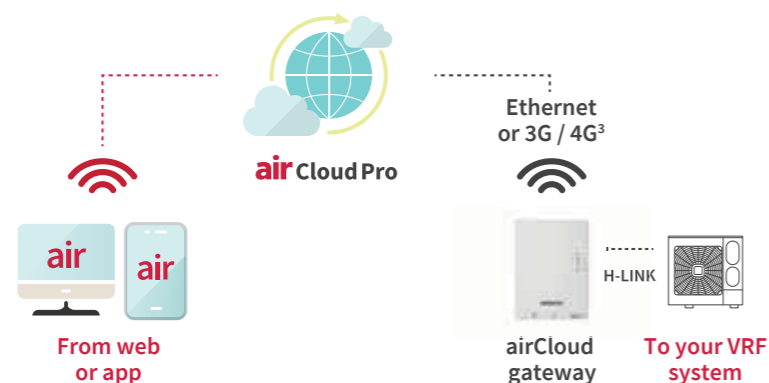
+ Data security

- **Best-in-class standards:**
  TLS.v1.2, HTTPS 2038 encryption
- **Minimal personal details:**
  only your name, email address and phone number are required for login

Specifications $C\epsilon$	HC–IOT GW
Dimensions (W*H*D) (mm)	138*200*41
Net Weight (g)	540
Connection Capacity	16 outdoor + 80 indoor units
Power Supply (V) | (Hz)	100-240, AC | 50/60
Max. Power Consumption (W)	10
Communication Port	1 H-LINK, 1 RS485 Port
Internet Connection	LAN (Ethernet) or 4G[3]
External Interface (log storage)	1 micro SD card slot

How airCloud Pro works

air Cloud Pro

Ethernet or 3G / 4G[3]

H-LINK

From web or app

airCloud gateway

To your VRF system

Available on the App Store

ANDROID APP ON Google Play

visit **www.aircloudapp.com**

Receiver kit for wireless remote controller

	HR4A10NEWQ	PC-ALHC1	PC-ALHD1		PC-RLH11	PC-RLH11	
Receiver Kit Model				Inbuilt			Inbuilt
Description	4-way cassette	4-way cassette compact	2-way cassette	Floor/Ceiling convertible	In-the-ceiling	Floor concealed	Hi wall
IDU type							
Model	RCI-FSKDNQ	RCIM-FSN4	RCD-FSN3	RPFC-FSNQ*	RPIZ-HNATNQ RPIL-FSNK RPIM-FSNK	RPFI-FSNQ	RPK-FSNK1/2 RPK-FSN4M
Compatible wireless remote controller PC-AWR	●	●	●	●	●	●	●
PC-LH3C	–	–	–	●	●	●	●

* Wireless remote controller is provided as standard item for RPFC-FSNQ models.
Centralized controller (mini) cannot be operated when you use standard receiver kit (PC-RLH11) equipped with wireless remote controller (PC-LH3C).
Notes:-
When you use standard receiver kit (PC-RLH11 or HR4A10NEWQ) equipped with wireless remote controller (PC-LH3C):
1) Setting Hi2 air flow rate is not available even if the connected Indoor Unit has Hi2 air flow rate setting.
2) It is not available to set up "remote control switch operation prohibited by each function setting" from central station (mini).
3) It is not available to set up "remote control switch temperature setting range limitation function" from central station (mini).

Imagination-
the beginning of creation