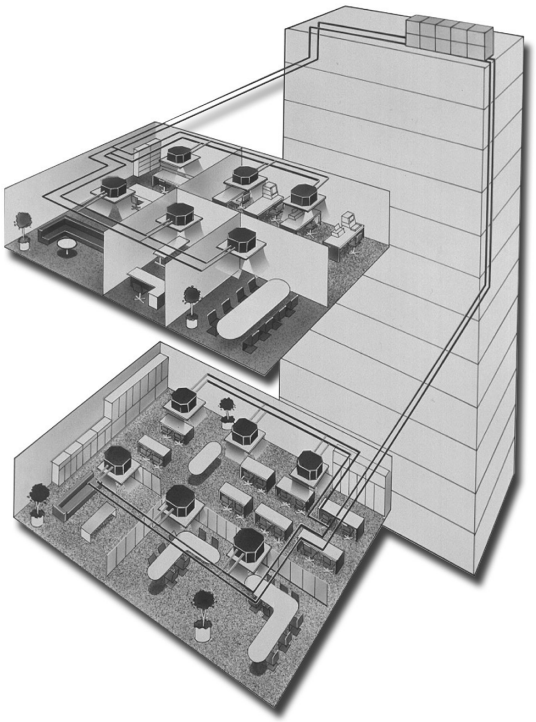
HITACHI
INVERTER-DRIVEN MULTI-SPLIT SYSTEM HEAT PUMP AIR CONDITIONERS

- SET-FREE INDOOR UNITS -

HITACHI

Technical Data for Indoor Unit



Models

<Indoor Units>

- **In-the-Ceiling Type (Low Static Pressure)**
  - **RPI-0.8~6.0FSNQL**
  - **RPI-8.0 , 10.0FSN3Q**
- **In-the-Ceiling Type (High Static Pressure)**
  - **RPI-0.8~10.0FSNQH**
  - **RPI-8.0 , 10.0FSNQ**
- **Low-Height In-the-Ceiling Type**
  - **RPIZ-0.8~2.5FSN1Q**
- **Slim In-the-Ceiling Type**
  - **RPIZ-0.8~1.5FSNQS**
- **4-Way Cassette Type**
  - **RCI-1.0~6.0FSN1Q**
  - **RCI-1.0~6.0FSKDNQ**
- **Wall Type**
  - **RPK-0.8~2.3FSNQS**
- **Floor Concealed Type**
  - **RPFI-1.0~2.5FSNQ**
- **Ceiling & Floor Type**
  - **RPFC-1.8~5.0FSNQ**

TC22016003C 2017.12

IMPORTANT NOTICE

- HITACHI pursues a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice.
- HITACHI cannot anticipate every possible circumstance that might involve a potential hazard.
- This heat pump air conditioner is designed for standard air conditioning only. Do not use this heat pump air conditioner for other purposes such as drying clothes, refrigerating foods or for any other cooling or heating process.
- The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable, if local regulations are not available. International Organization for Standardization, ISO5149 or European Standard, EN378 or Japan Standard, KHKS0010.
- No part of this manual may be reproduced without written permission.
- The following words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

⚠DANGER : Immediate hazards which WILL result in severe personal injury or death.

⚠WARNING : Hazards or unsafe practices which COULD result in severe personal injury or death.

⚠CAUTION : Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

NOTE : Useful information for operation and/or maintenance.

- It is assumed that this heat pump air conditioner will be operated and serviced by English speaking people. If this is not the case, the customer should add safety, caution and operating signs in the native language.
- If you have any questions, contact your distributor or dealer of HITACHI.
- This manual gives a common description and information for this heat pump air conditioner which you operate as well as for other models.
- This heat pump air conditioner has been designed for the following temperatures. Operate the heat pump air conditioner within this range.

Temperature (°C)

		Maximum	Minimum
Cooling Operation	Indoor	32 DB/23 WB	21 DB/15 WB
	Outdoor	43 DB *	-5 DB *
Heating Operation	Indoor	27 DB	15 DB
	Outdoor	15 WB *	-20 WB *

DB: Dry Bulb, WB: Wet Bulb

*: The temperature may change depending on the outdoor units.

Attention

This system has been designed for only cooling or heating operation.
Do not apply this system to the rooms where individual cooling and heating operation are required at the same time. If applied, it will result in uncomfortable air conditioning due to big temperature changes when the operation mode is changed.

This manual should be considered as a permanent part of the air conditioning equipment and should remain with the air conditioning equipment.

SAFETY SUMMARY

⚠ DANGER

- **Use the specified non-flammable refrigerant to the outdoor unit in the refrigerant cycle. Do not charge material other than specified refrigerant into the unit such as hydrocarbon refrigerants (propane or etc.), oxygen, flammable gases (acetylene or etc.) or poisonous gases when installing, maintaining and moving. These flammables are extremely dangerous and may cause an explosion, a fire, and injury.**
- **Do not pour water into the indoor or outdoor unit. These products are equipped with electrical parts. If poured, it will cause a serious electrical shock.**
- **Do not touch or adjust safety devices inside the indoor or outdoor units. If these devices are touched or readjusted, it may cause a serious accident.**
- **Do not open the service cover or access panel for the indoor or outdoor units without turning OFF the main power supply.**
- **Refrigerant leakage can cause difficulty with breathing due to insufficient air. Turn OFF the main switch, extinguish any naked flames and contact your service contractor, if refrigerant leakage occurs.**
- **The installer and system specialist shall secure safety against refrigerant leakage according to local regulations or standards.**
- **Use an ELB (Electric Leakage Breaker). In the event of a fault, there is danger of an electric shock or a fire if it is not used.**
- **Do not install the outdoor unit where there is a high level of oil mist, flammable gases, salty air or harmful gases such as sulphur.**

⚠ WARNING

- **Do not use any sprays such as insecticide, lacquer, hair spray or other flammable gases within approximately one (1) meter from the system.**
- **If circuit breaker or fuse is often activated, stop the system and contact your service contractor.**
- **Do not perform installation work, refrigerant piping work, drain piping and electrical wiring connection without referring to our installation manual. If the instructions are not followed, it may result in a water leakage, electric shock or a fire.**
- **Check that the ground wire is securely connected. If the unit is not correctly grounded, it lead electric shock. Do not connect the ground wiring to gas piping, water piping, lightning conductor or ground wiring for telephone.**
- **Connect a fuse of specified capacity.**
- **Do not put any foreign material on the unit or inside the unit.**
- **Make sure that the outdoor unit is not covered with snow or ice, before operation.**
- **Before performing any brazing work, check to ensure that there is no flammable material around.**
  When using refrigerant be sure to wear leather gloves to prevent cold injuries.
- **Protect the wires, electrical parts, etc. from rats or other small animals.**
  If not protected, rats may gnaw at unprotected parts and which may lead to a fire.
- **Fix the cables securely. External forces on the terminals could lead to a fire.**

SAFETY SUMMARY

⚠CAUTION

- **Do not install the indoor unit, outdoor unit, remote control switch and cable within approximately 3 meters from strong electromagnetic wave radiators such as medical equipment.**
- **Supply electrical power to the system to energize the oil heater for 12 hours before start-up after a long shutdown.**
- **Do not step or put any material on the product.**
- **Provide a strong and correct foundation so that;**
  a. The outdoor unit is not on an incline.
  b. Abnormal sound does not occur.
  c. The outdoor unit will not fall down due to a strong wind or earthquake.

NOTES:

- **It is recommended that the room be ventilated every 3 to 4 hours.**
- **The heating capacity of the heat pump unit is decreased according to the outdoor air temperature. Therefore, it is recommended that auxiliary heating equipment be used in the field when the unit is installed in a low temperature region.**

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1. Features

1.1 System Features

New SET-FREE Series

HITACHI proudly introduces the New SET-FREE Indoor Units, the highly-efficient and reliable air conditioning system. Recently, increased numbers of buildings are requiring "Intelligent" facilities - communication networks, office automation, including a comfortable environment. Particularly, comfortable space is required all the day through the year in office buildings.
This multi-split system air conditioner, SET-FREE can meet these requirements. The proven combination of the scroll compressor and the inverter provides the best air conditioning for small/medium office buildings.

Uses of the HFC Series New R410A Refrigerant

HITACHI has developed and introduced the new SET-FREE indoor units to meet the global needs to help protect the Earth's environment by using non-ozone depleting refrigerant, R410A as HITACHI's standard series.

Various Indoor Units and Combinations

The line-up of new SET-FREE series indoor units has been extended up to 74 indoor units in 8 types to meet various building requirements. (0.8HP through 10HP)

Indoor Unit Type	Nominal Capacity (HP)														
	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5	3.0	3.3	4.0	5.0	6.0	8.0	10.0
In-the-Ceiling(Low/High Static Pressure)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
In-the-Ceiling(Low-height)	○	○	○	○	○	○	○	○							
In-the-Ceiling(Slim)	○	○	○	○											
4-Way Cassette		○	○	○	○	○	○	○	○	○	○	○	○		
Wall	○	○	○	○	○	○	○								
Floor Concealed		○		○		○		○							
Ceiling & Floor Type					○	○	○	○	○	○	○	○			

○ : Available

Corresponding to New Transmission System H-LINK II

The total number of the indoor units to be controlled is increased from 128 to 160, the total number of the refrigerant cycle to be controlled is increased from 16 to 64 by combined with the equipments corresponding to the new transmission system H-LINK II.

* However, H-LINK II function is available only for the models with outdoor unit and the central control equipments corresponding to H-LINK II. (If the model does not correspond to H-LINK II, it performs as H-LINK.)

Facilitated Installation Works

■ Remote Control Cable Reduction for Simultaneous Twin/Triple Unit (*1)
No remote control cable between indoor units is required for the wired remote control switch.

■ Facilitated Workability at Terminal Board for Transmission
Enlarged the distance between terminals (from 9mm to 10.5mm) to facilitate workability.

Extensive Control Functions

■ Operation Control Indication
The following items are added to display at the remote control switch. (“AUTO CONTROL” is indicated at the remote control switch LCD.)

(1) Compressor Preheating (*2)
(2) Hot Start (*3)
(3) Different Operation Mode (*3)

■ Indoor Unit Address Change with the Remote Control Switch (*3)
The indoor unit address checking and changing are available with the remote control switch.

Advanced Energy Saving by Remote Control Switch “Operation Control Function”

Following functions are additionally available to set.

■ Cooling Lower Limit and Heating Upper Limit for Setting Temperature

The cooling lower limit and the heating upper limit of setting temperature are fixed to restrict the setting temperature range set by the remote control switch. Consequently, this function prevents overcooling and overheating.

■ Automatic Reset of Setting Temperature

The setting temperature is automatically returned to the preset setting temperature, if no switch operation for a certain period since the setting temperature change at the remote control switch.
This function provides the economical operation.

■ Locking Operation

The operations from the remote control switch are restricted to prevent the uncontrolled change for operation mode, setting temperature, fan speed or swing louver. This function provides energy saving by keeping the optimum operation. It is also effective to prevent the wrong operation or the tampering.

■ Automatic OFF Timer Setting

When a certain period of time has passed since operation started, the operation is automatically stopped to eliminate the unnecessary operation. The setting period of time is available from 30 minutes to 24 hours.

*1: In case of connecting to the remote control switch and the outdoor unit (except SET-FREE) corresponding to H-LINK II.
(Refer to above “*” about outdoor unit corresponding to H-LINK II.)

*2: In case of connecting to the remote control switch and the outdoor unit corresponding to H-LINK II.
(Refer to above “*” about outdoor unit corresponding to H-LINK II.)

*3: In case of connecting to the remote control switch corresponding to H-LINK II.

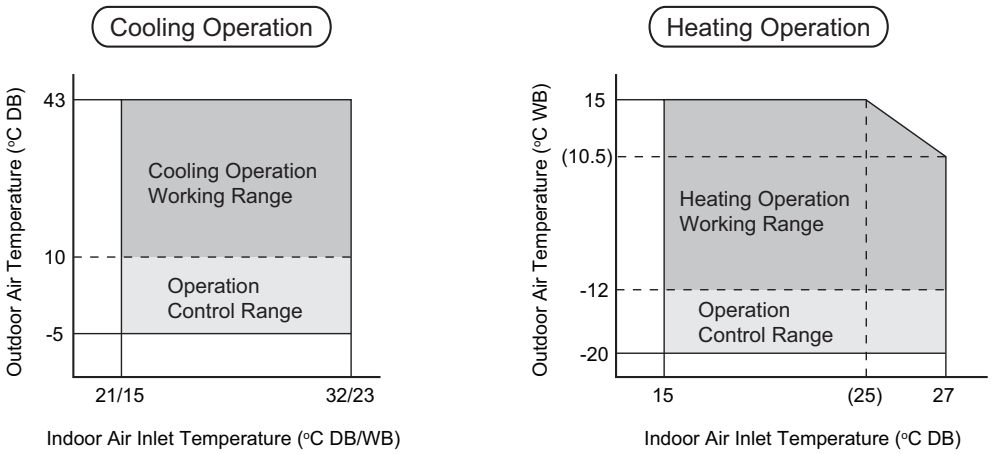
Wide Operation Range

This unit has been designed for cooling operation under low ambient temperatures down to -5°C.
This feature enables cooling to be obtained even in winter on buildings with high internal heat gains due to lighting, people and machines, particularly in areas such as shops, lecture rooms, data processing areas etc.
And the heating operation under low ambient temperature down to -20°C can be also performed.

		Cooling Operation	Heating Operation
Indoor Temperature	Minimum	21°C DB / 15°C WB	15°C DB
	Maximum	32°C DB / 23°C WB	27°C DB
Outdoor Temperature	Minimum	-5°C DB (*)	-20°C WB (**)
	Maximum	43°C DB	15°C WB

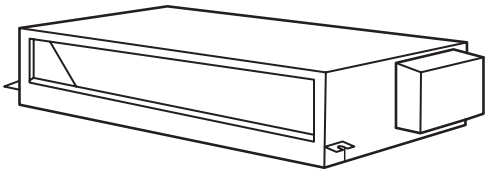
DB: Dry Bulb, WB: Wet Bulb

NOTES:
(*) 10°C DB ~ -5°C DB, Operation Control Range
(**) -12°C WB ~ -20°C WB, Operation Control Range



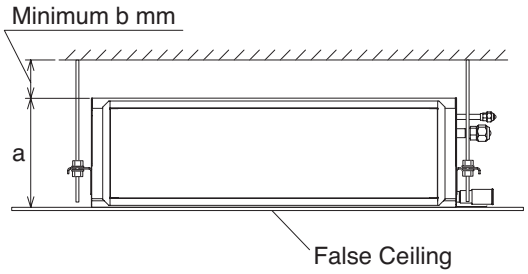
1.2 Features on Indoor Unit

1.2.1 In-the-Ceiling Type



Space Saving Design

With a height of only 270mm (0.8 to 2.5HP), 350mm (3.0 to 6.0HP) or 470mm (8 and 10HP), this unit can be installed in a false ceiling space in almost any building.



Model	a
RPI-0.8 to 2.5FSNQL/H	270
RPI-3.0 to 6.0FSNQL/H	350
RPI-8 and 10FSN(3)Q RPI-8 and 10FSNQH	470

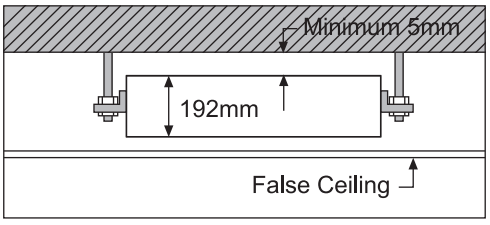
Adjustable Fan Speed

The indoor fan motor has three speeds that can be adjusted to allow for pressure loss in the duct, thus providing a more efficient air flow (Except for 8 and 10HP).

1.2.2 Low-height / Slim In-the-Ceiling Type

Installation Space-saving

With a height of 192mm may be easily installed inside the low height residential ceiling. (For Low-height In-the-Ceiling type)



With a width of 700mm may be easily installed inside the narrow residential ceiling. (For Sim In-the-Ceiling type)

Board Range of External Static Pressure

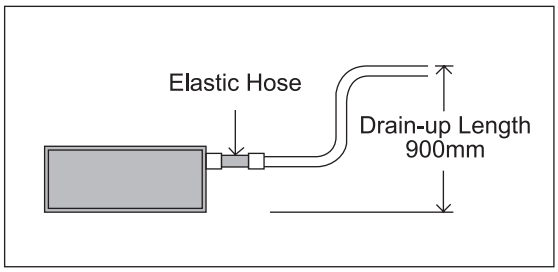
10Pa(or 30Pa), flexibly supports a wide range of installation conditions at site, e.g. longer ducts and shorter ducts supplied.

Quiet Operation

Air flow rate can be adjusted by 3 grades, lower noise in lower grade.

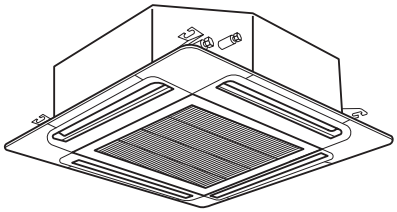
Drain-up Mechanism as Standard Part

Drain-up length achieves 900mm which enables convenient drain piping and enlarges the flexibility of installation.



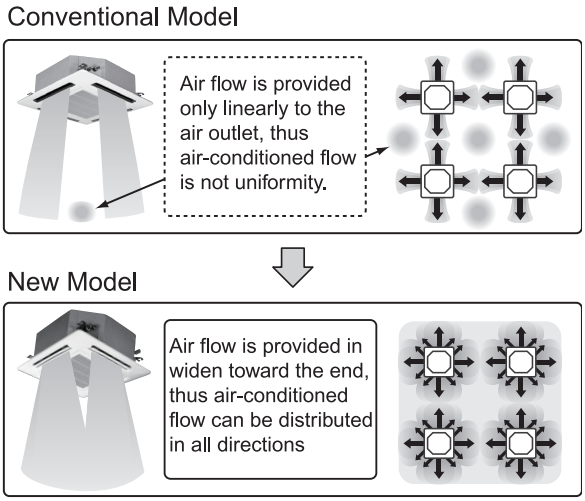
1.2.3 4-Way Cassette Type

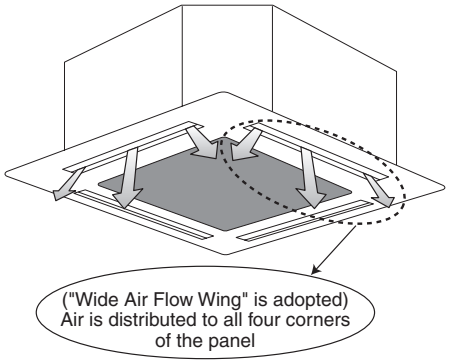
Model：RCI-1.0~6.0FSN1Q



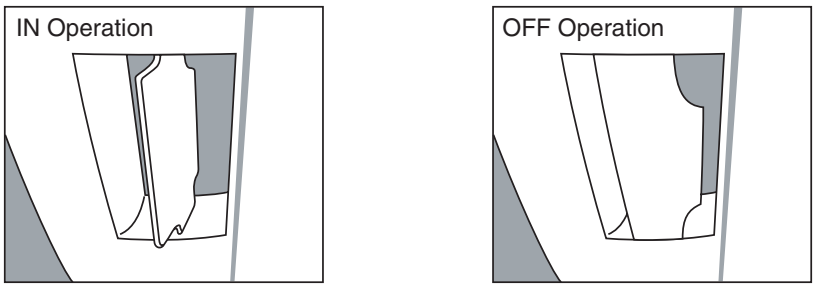
Newly Developed "Wide Air Flow Wing"

■ Newly developed "Wide Air Flow Wing" is installed turning to the both sides of the air outlet to allow the air distribution in every four corners of the panel. Consequently, the sophisticated and outstandingly comfortable air-conditioned environment without temperature irregularity is provided.





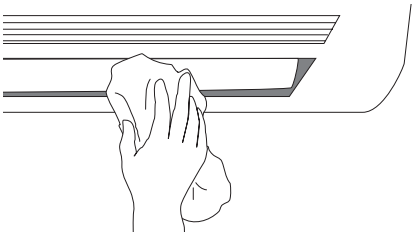
■ The shutter function is newly adopted to conceal the air outlet with the louvers when the operation is stopped. The louvers cover the air outlet horizontally with providing the neat appearance.



Clean and Easy-Care

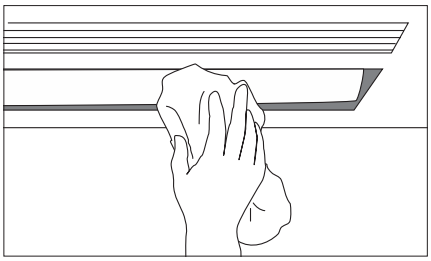
Stain-Resistant Wide Louver

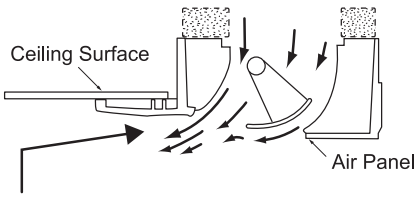
By adopting wide louvers, uniform air distribution is available. Furthermore, smudging caused of stain over the ceiling surface can be prevented. Smooth surface louvers are stain-resistant and easy to wipe off stain.



Clean and Easy-Care

- Smooth surface auto louvers of air panel (optional) are stain-resistant and easy to wipe off stain.
- Air intake grille is designed to protect against ingress of dirt or dust.
- Air outlet flow is controlled to protect the ceiling from smudging.



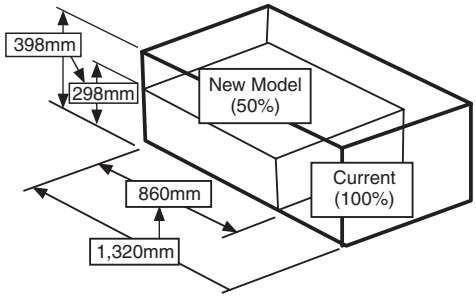


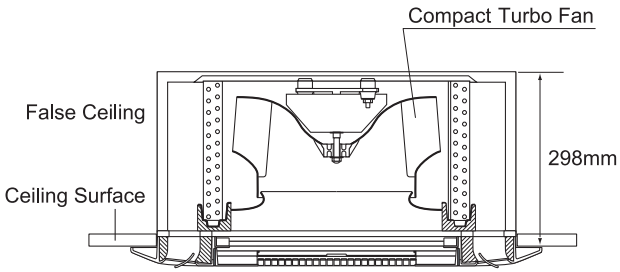
Ideal design with due considerations to airflow direction is adopted to prevent smudging caused by stain on the ceiling and air panel.

Low Profile Design

A compact turbo fan simplifies the structure and reduces the height of the unit to 298mm, and the low profile design unit allows easy installation in a small space inside of ceiling.

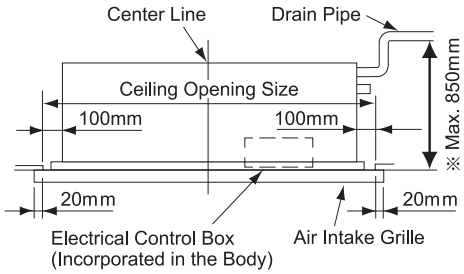
For 3.0HP unit, width is reduced from 1320mm to 860mm as well as height reduction. As a result, the unit volume is compact as much as 50% reduction. Such a compact sized unit is easy to handle and exactly suitable for installation in the ceiling. The lightweight (30kg) unit is also easy for installation.





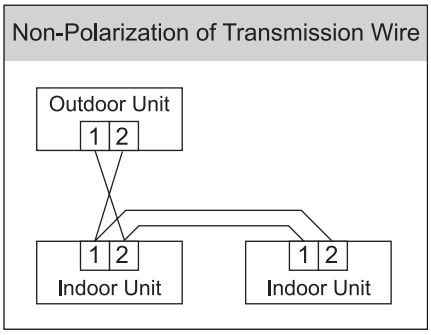
Facilitated Installation Work

- Drain pipe height is increased to 850mm to facilitate piping works (conventionally approx. 600mm). In addition to that, Printed Circuit Board setting or working for electrical control box is also easily performed by removing air intake grille.



- The unit center line is aligned with panel centre line. This facilitates for sizing when the opening is made on the ceiling.

- Transmission wire is Non-Polar 2-Wire. This prevents the transmission failure due to reverse connection of positive and negative poles at wiring work.



- Terminal board for transmission wire is downsized to prevent faulty wiring.

Well-Developed Optional Filter Line-Up for Air Quality Improvement

* Antibacterial Long-Life Filter
* Deodorizing Filter

Above two filters are newly provided as optional parts. They are available to adopt at special elderly nursing houses and hospitals etc. Antibacterial filter (optional) can control both common bacteria and mold breeding by inorganic and organic antibacterial agent.

<Industry-Leading>

Deodorizing filter (optional) can eliminate tobacco odour or body odour effectively with special chemical fiber. This filter is reusable. When its deodorizing effect becomes inferior, it is recovered only by drying in the sun for a day.

Model: RCI-1.0~6.0FSKDNQ

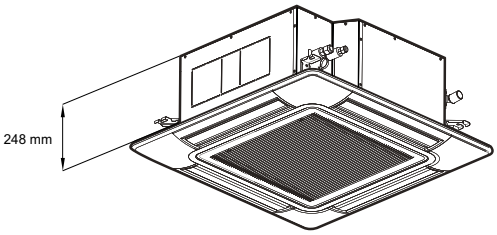


NOTE

HITACHI recommends PC-ARF1 remote control (optional) in order to obtain the maximum RCI-(1.0-6.0)FSKDNQ performance.

• Installation advantages

- These compact units featuring a low height are suitable for installation in narrow spaces behind false ceilings: the units measure only 238 mm (1.0-2.5 HP) and 288 mm (3.0-6.0 HP) in height, which places them among the smallest in the market.



- One panel for the entire line-up: Only one panel for the entire line-up, with the option to add the motion sensor kit and the wireless remote control receiver kit (both sold separately) as accessories
- Flexibility of installation to high ceiling: The availability of four fan speeds (“HIGH H” “HIGH”, “MED” and “LOW) allows to obtain a proper airflow from units installed in high ceilings, even without the need to set up the optional high speed mode (C5).
  Different ceiling heights can be effectively covered by selecting the appropriate fan speed in the remote controller:

Supported ceiling height (With PC-ARF1 remote control switch)			
High Speed Mode (C5)	**Air Flow Volume Mode**	**1 to 3HP**	**4 and 5HP**
Standard (00)	HIGH	2.7m	3.2m
	HIGH H	3.5m	4.2m

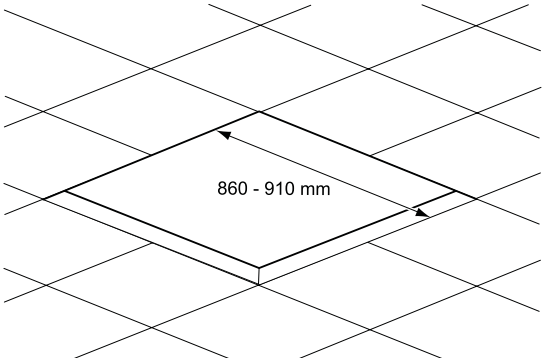
Additionally, the “High Speed Mode (C5)” setting allows to fix different airflow volumes for each fan speed, making use of the five different airflow volume modes (HH2, HH1, Hi, Me and Lo) handled internally by the 4-way cassette units.

The High Speed Mode is selected thought the optional functions C5 from the remote control switch. If the High Speed Mode (C5) is set as High Speed 2 (setting 02) , the air flow volume of “HIGH 2” and “HIGH” will be equaled as shown in the table, because the air flow volume, “HIGH H” and “HIGH” are used as “HH2” in high speed 2 setting.

	Air low volume mode selected by remote controller			
High Speed Mode (C5)	**HIGH H**	**HIGH**	**MED**	**LOW**
Standard (00)	HH2	Hi	Me	Lo
High Speed 1 (01)	HH2	HH1	Hi	Me
High Speed 2 (02)	HH2	HH2	HH1	Hi

In the case of using the optional filter (except the long life filter), the high speed mode setting is required.

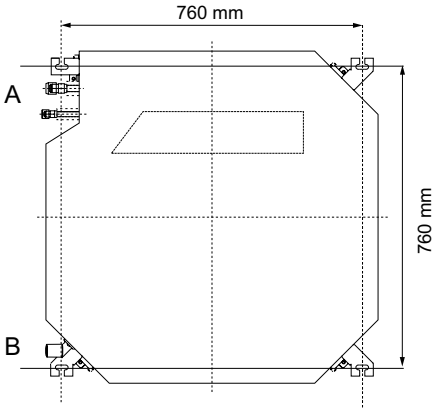
- Less need for housing space in ceilings for new installations and renewed units: the size of the opening required in the ceiling has been modified from the usual 910 mm to a range of between 860 and 910 mm, which means a smaller hole is required in the ceiling.



NOTE

The minimum installation space is 860 mm. A 910 mm hole should be made for easier installation.

- Flexible unit installation: Installation is notably easier thanks to the unit mounting system. The distance between its suspension points at each corner of the unit is 760 mm.
- The direction in which the unit is installed can be easily modified to adapt to the pipe run, the positions of the unit fixing points do not have to be modified.
- The simple design, even for continuous installations, means that refrigerating pipes and drain hoses can be run along different corners for easier distribution and improved installation efficiency.
- The space between the drain pipe connection and the refrigerant pipe connections improves access during installation work.

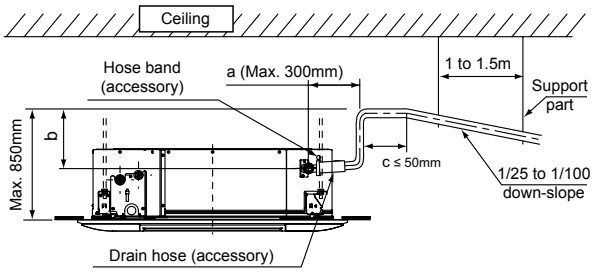


A: refrigerant pipe connection

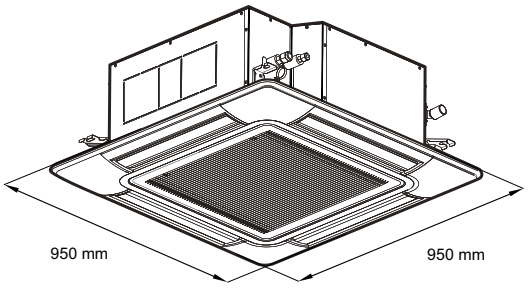
B: drain pipe connection

- Equipped with a drain pump to force condensates up to 850 mm in height in relation to the unit. The pump is automatically enabled when the accumulated water level is too high.

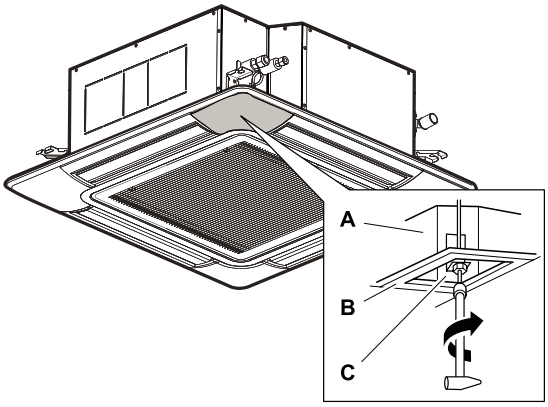
  A: ≤ 300 mm (A + B + C ≤ 1100 mm).



- Standard panel size: the size of the panels has been standardised to 950 mm in width to make them easy to swap with other, different capacity models.



- Unit height easily adjustable from each corner: each of the four corners of the air panel includes access for easy adjustment of the height of the unit without having to remove the panel.



A: unit cabinet.

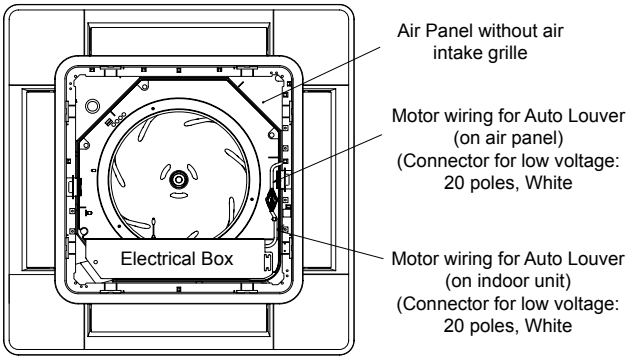
B: air panel.

C: access for height adjustment.

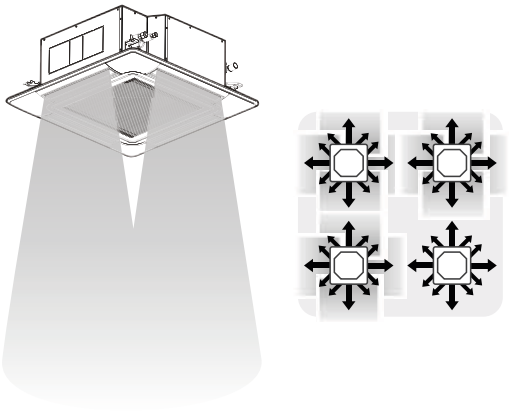
NOTE

The unit can be precisely lined up with the ceiling -arrow by moving the structure up or down using the set screws accessible on the four corners.

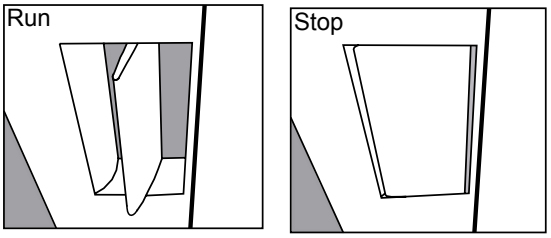
- The electrical connection for the air panel is located inside the air inlet grille on the unit. The electrical box cover does not have to be opened to connect the panel.



● Functional features



- The conditioned air is evenly distributed in all directions thanks to the widening effect achieved by the optimized design of the fan and the air panel. In addition, individual control of each louvre allows a precise control of the orientation of the discharge air flow..



- Intelligent louver closure system

  When the unit is stopped, the louvers return to their horizontal position and the air outlet closes to avoid the accumulation of dust or particles of dirt. The louvers closed horizontally give the unit an elegant image when it is switched off.

- Drive motors with PWM management

  The electric motors in the SYSTEM FREE indoor units are the main beneficiaries of the functional and construction studies carried out. The technologies applied to each type of unit are, of the entire range of possibilities, the most suitable in each case. For example, application of DC motors with PWM (Pulse Width Modulation) management on the supply fans of the RCI models reduces energy consumption by half. In this case, where the range of working hours of the air supply motors is relatively high, a considerable amount of energy is saved.

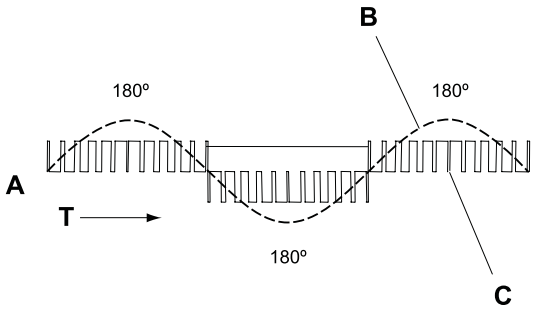
  Furthermore, there is a significant improvement in noise comfort, as the electronic management allows for very precise setting values for each situation.

  A: electricity.

  B: current.

  C: voltage.

  T: time.

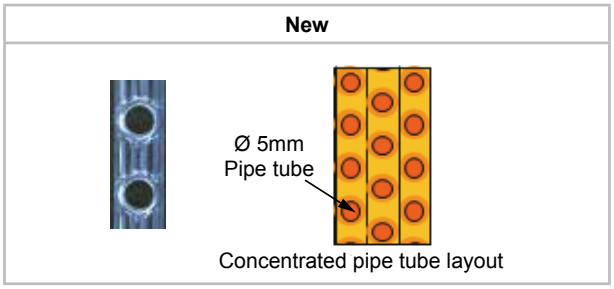


◆ Improvement of Energy Saving

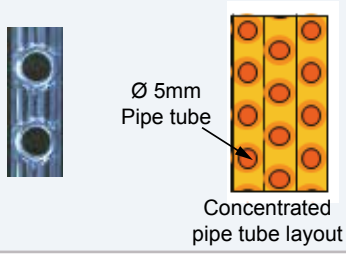
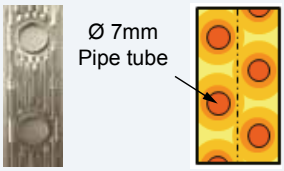
Adopting High Performance Heat Exchanger, High Efficient Turbo Fan, New DC Drain Pump and Motion sensor.

Adopting high performance heat exchanger

The high energy-saving operation is realized to adopt a new high performance high efficiency heat exchanger with a smaller pipe diameter (Ø5 mm) and an innovative fin design has been adopted. This, together with the 3D twisted blade turbo fan and the electrical power saving, DC motor driven drain pump, results in a remarkable improvement in energy-saving operation.



High performance & high efficiency heat exchanger (Ø 5 mm pipe tubes + new fins)

New	Current
	

Adopting a high efficient turbo fan

New developed high efficiency turbo-fan is adopted. By improving 3D twisted blade of turbo-fan and air outlet, the fan efficiency is improved and the low noise performance is achieved.

Adopting a DC Drain Pump

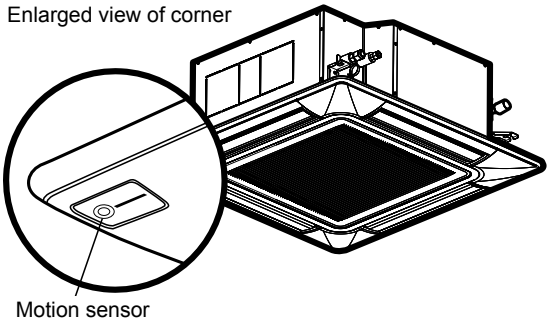
New lower electrical power drain pump with DC motor is equipped in these indoor units as standard.

Adopting Motion Sensor Function(operational parts)

Improvement of Energy-Saving Operation by adopting Air Panel with Motion Sensor

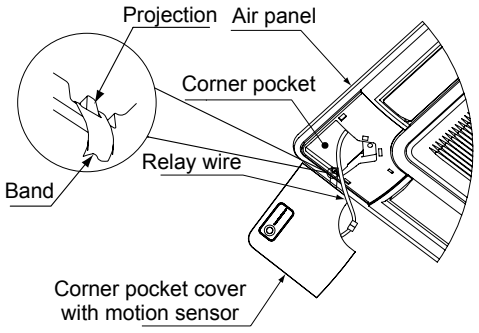
The motion sensor function can adjust the setting temperature according to the human activity, and it controls the air flow volume and the air flow direction.

The energy-saving is improved by combining the motion sensor function and the individual operating function comparing with the standard operation.



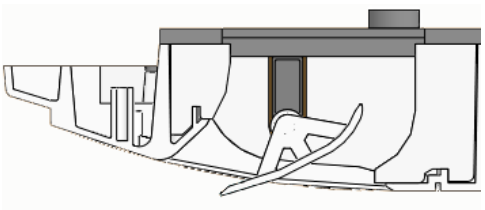
◆ Easy Motion sensor kit installation

The motion sensor comes mounted on a corner pocket that can be attached to any of the corners of the panel. The user can freely choose the place of attachment of the sensor, where it better fits specific needs. The installation of the motion sensor is completed by just connecting the relay wire to CN10 in the electrical box.



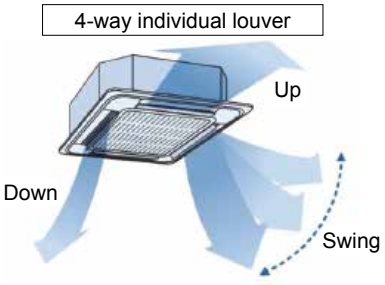
◆ Adopting New louver structure

A new louver structure has been adopted to avoid vertical air flow and soften the discomfort by the temperature irregularity and the cold draft.



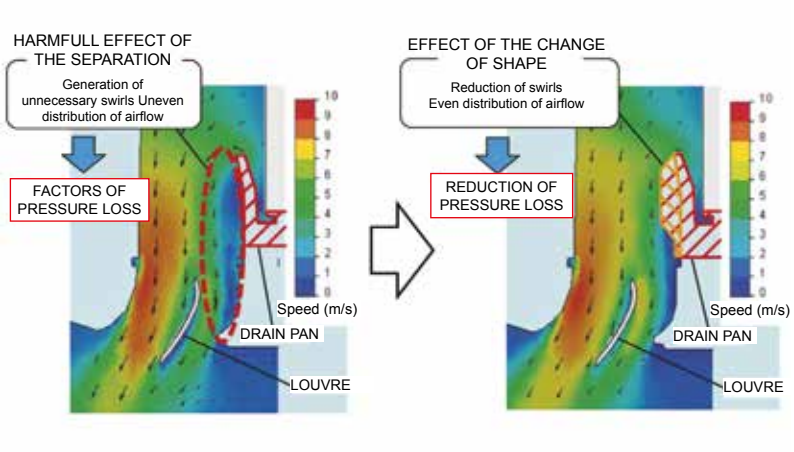
◆ Individual control setting for each louver

The individual control setting for each louver is available through the PC-ARF1 remote control menu, allowing to select easily the louver direction for each ones of the four louvers. Refer to the PC-ARF1 Installation and Operation Manual.



◆ Reduction of pressure loss at the discharge outlet. Improvement of the shape of the discharge outlet

The shape of the discharge outlet has been reviewed to restrain the occurrence of unnecessary swirls, thus reducing pressure loss. In the picture can see the distribution of the air floe in a section view of the discharge outlet.



◆ Improved coanda effect

The renewed design of the panel louvers and the shape of air outlets improves the Coanda effect, resulting in better comfort for the users, since the direct incidence of cold airflow is avoided.



Horizontal air flow

• Maintenance benefits

Silver ions antibacterial agent

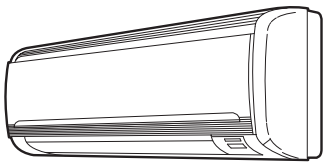
- The silver ions antibacterial agent is newly adopted in the drain pan, and it inhibits generation of mold or bacterium which is the cause of slime. The antibacterial agent (cased) is fixed in the drain pan (Exchangeable, term of validity is 10,000 hours of the cooling operation (Approx.5 years)).



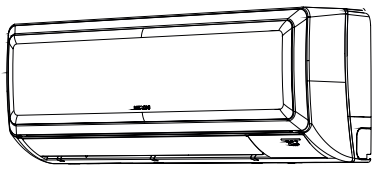
Larger diameter of drain plug

- The maintainability is improved because the VP25 drain plug diameter is adopted. (outer diameter ø32 mm)

1.2.4 Wall Type



< 0.8 to 1.5HP >



< 1.8 to 2.3HP >

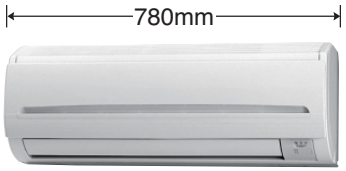
Compact and Stylish Design

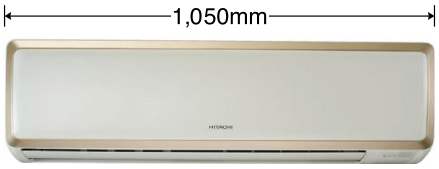
■ The unit has been designed with a flat front panel and a slim body. The front panel is easy to clean and should remain relatively dust free.

■ For 0.8 to1.5HP units, compact design unit with 780mm width can be installed even at the narrow space among posts in the room. Approx. 25% is compact in width compared with conventional model. This compact design allows for flexible and neat installation.

For 1.8 to 2.3HP units, unit width is 1050mm

■ Front flat panel keeps the unit from dust and facilitates maintenance work. For 0.8 to 1.5HP units, easily remove the front flat pane and washable with water.

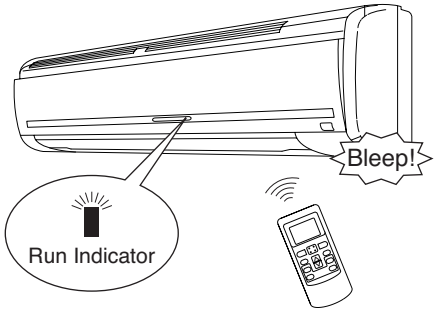




Operation Control with Remote Control Switch

■ When each unit is controlled with the remote control switch, wireless remote control operation is available by the built-in receiver kit. Wired remote control operation (PC-AR/PC-ARQ) is also available to change instead of wireless operation.

■ Signal receiving buzzer and indication lamp inform the wireless remote control switch operation.

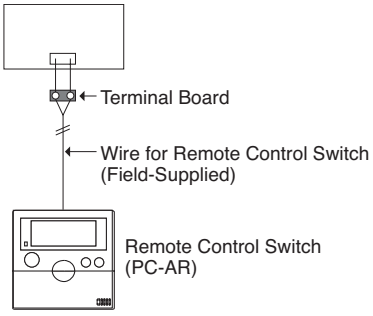


■ In case of group control with remote control switch (multiple units are controlled simultaneously with one remote control switch), optional receiver kit (PC-RLH11) or wired remote control switch (PC-AR/PC-ARQ) is required.

(There are restrictions under the following conditions; when connecting to central control system, when multiple units are controlled with one wireless remote control switch, wired remote control switch is used simultaneously with wireless remote control switch.
Contact your local distributor for details.)

■ Terminal board for wired remote control switch is newly equipped to facilitate wire connecting work (All models).

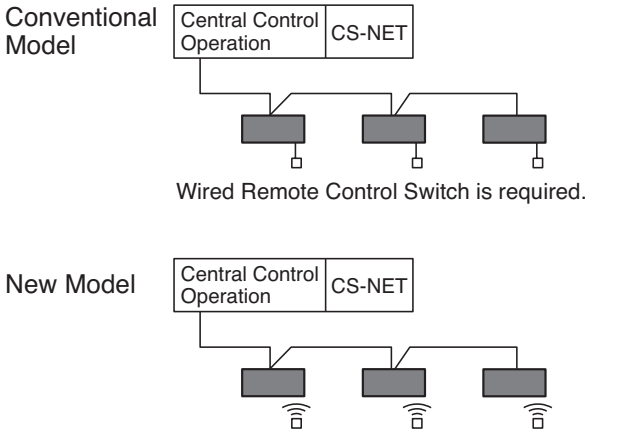
■ Selecting Wireless Remote Control or Wired Remote Control is available with slide switch on the receiver kit PCB in all models. The indication lamp at the unit is also ON/OFF when wired remote control switch is used.



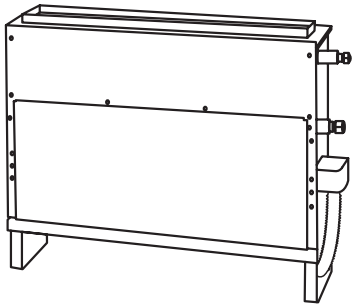
NOTE:
Timer lamp indicates only for wired remote control operation.

Corresponding to Central Control Operation

In case of central control operation to control each indoor unit with wireless remote control switch, no need to install the wired remote control switch to improve the workability. (Except for multiple remote control switches are connected.)



1.2.5 Floor Concealed Type



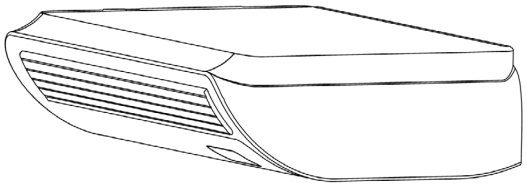
Compact Design

This unit is normally installed inside walls under windows, without changing the interior. Due to its compact design, 620mm in height, 202mm in depth and 900mm in width, the unit can be installed in a limited space in most buildings.

1.2.6 Ceiling & Floor Type

New Fashion Design Appearance and HIgh Quality

The fashionable design and streamline appearance make it a perfect choice for users. The integrative side panel makes the whole unit more concordant. Huge air outlet with an integrative large louver realizes high air volume and low noise.



Optional Drainage Pipe Connection, Convenient Installation

Both right side and left side drainage holes & 3 refrigerant pipe line direction are available to avoid the space limitaion for installation.

Fresh Air In-take Design

Both right side and left side drainage holes & 3 refrigerant pipe line direction are available to avoid the space limitaion for installation.

Optimization of the Air Tunnel

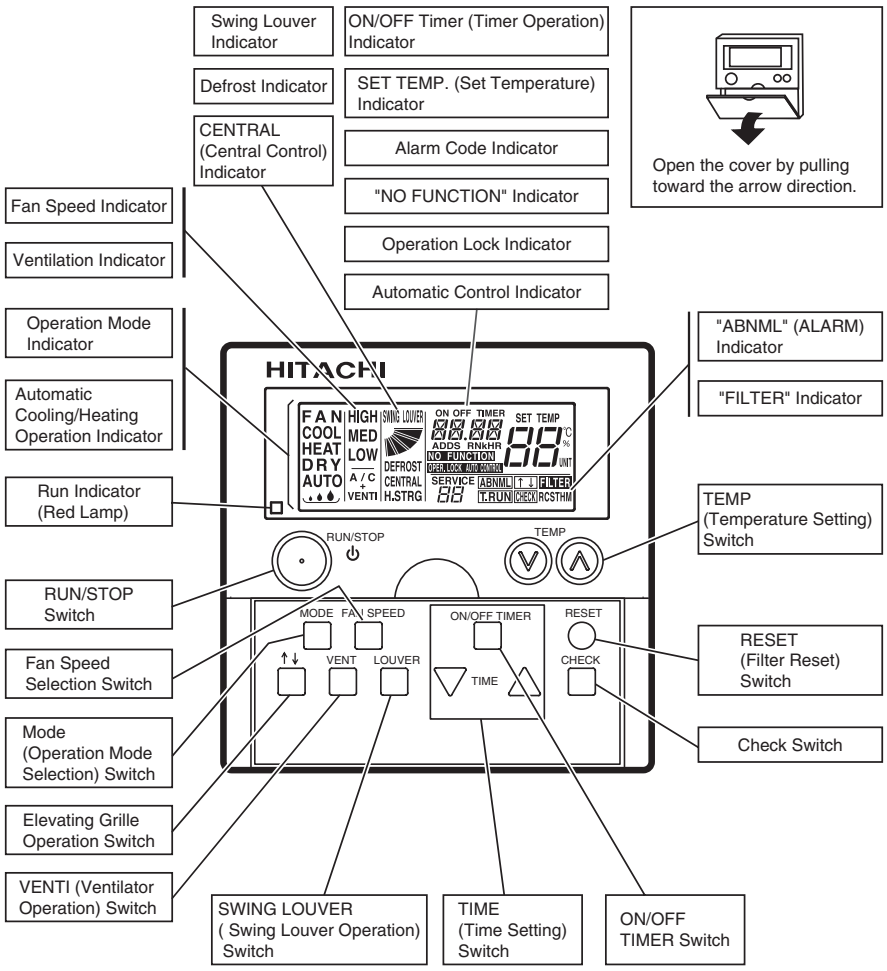
The optimization of the air tunnel helps the indoor unit deliver a better air distribution and significant air flow increase without any sound level and power consumption increase. This helps the user feel more comfortable when using the Hitachi Ceiling Unit.

1.3 Features on Optional Liquid Crystal Remote Control Switch, Wireless Remote Control Switch, 7-Day Timer and Central Stations

1.3.1 Lineup

Part Name	Model	Remarks
Remote Control Switch	PC-ARF1 PC-ARQ	Wired Remote Control Switch (2-Wires)
Wireless Remote Control Switch	PC-LH3A	No wiring work is required. Two or more units can be operated simultaneously by remote control. (Receiver kit is required.)
7-Day Timer	PSC-A1T	The timer can be set at 7-day intervals and operation/stop can be set 3 times.
Central Station	PSC-5S	By connecting to H-LINK, a group up to 16 remote controls can be used and up to 128 indoor units can be controlled.
	PSC-A64S	By connecting to H-LINK II, a group up to 64 remote controls can be used and up to 160 indoor units can be controlled.
Wireless Receiver Kit	PC-RLHN8Q3	for 4-Way Cassette Type
	PC-ALHD	for 2-Way Cassette Type
	PC-RLH11	for In-the-Ceiling Type, Floor Concealed Type

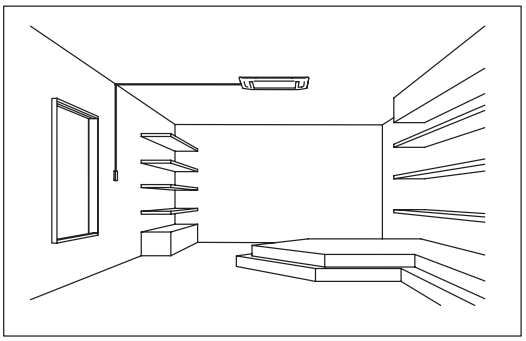
1.3.2 Liquid Crystal Remote Control Switch, PC-AR (Optional)



Length of Wire Cable for Optional Remote Control Switch

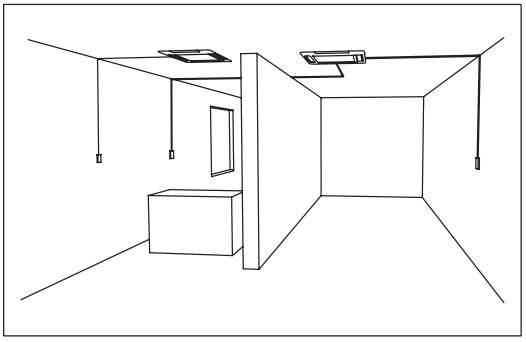
As the PC-AR does not include a remote control cable, prepare one in the field
Use the twist pair cable (1P-0.75mm^2) as transmitting wire cable for prevention of the malfunction (The total cable length is max. 500m). When the total cable length is within 30m, other type cable (more than 0.3mm^2) can be used.

Indoor Unit Quantity: 1
Remote Control Switch Quantity: 1

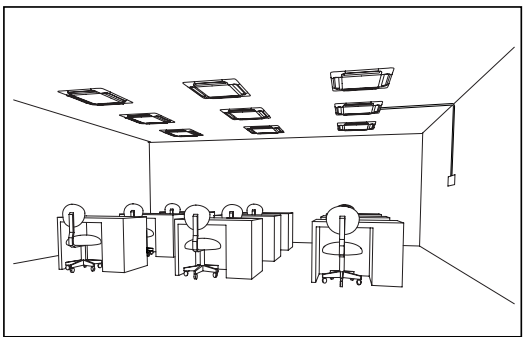


Application Function of Remote Control Switch

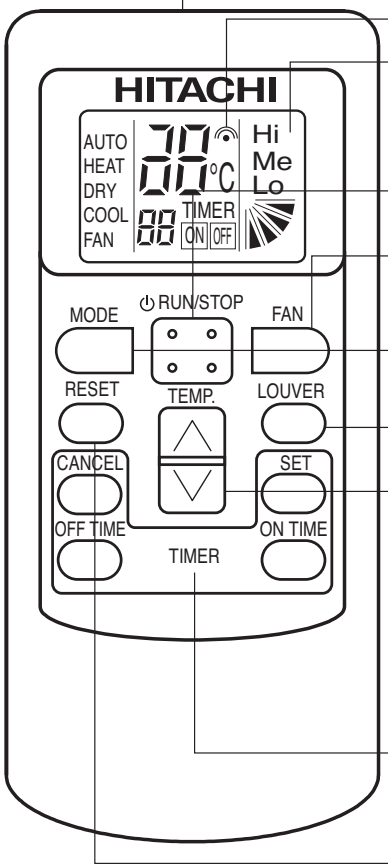
One indoor unit can be controlled by two optional remote control switches separately mounted on the wall.
Indoor Unit Quantity: 1
Remote Control Switch Quantity: 2



One optional remote control switch can start/stop indoor units up to the maximum number of 16 sets.
Indoor Unit Quantity: 16 (Maximum)
Remote Control Switch Quantity: 1



1.3.3 Wireless Remote Control Switch, PC-LH3A (Optional)



● Transmitter
Point the transmitter towards the receiver of the indoor unit when sending commands. The transmitting indication on the liquid crystal display flashes when sending commands.

● Transmitting Indication

● Liquid Crystal Display
The set temperature, timer operation, position of air louver, operation mode, air flow mode, etc., are indicated.
The diagram of the display shown on the left is for explanation purposes only.
The display will differ during actual operation.

● Run/Stop Switch
Operation of the unit can be started or stopped by pressing this switch.

● Fan Speed Switch
Press this switch to select the fan speed. By repeatedly pressing the button, the setting will change sequentially through HIGH, MED and LOW.
(Fan speed is fixed at Low for dry operation.)

● Mode Selection Switch
By repeatedly pressing the mode switch, the unit cycles through the different operating modes in the order of HEAT, DRY, COOL and FAN.
To select auto operation, press the switch for more than 3 seconds.
If the switch is pressed again, it will return to FAN mode.

● Louver Angle Switch
The airflow angle and auto-louver operation can be set by this switch.
When pressing the switch, the angle is changed in the following order.
(In cool or dry operation modes, steps 1-5 and Auto swing are available.)



● Temp. Switch
The setting temperature can be adjusted using this switch.

● Timer Switches
Four switches control the timer operation.
The set time can be changed by pressing “ON TIME” or “OFF TIME” and is set by pressing the “SET” switch. Timer operation can be cancelled using “CANCEL”.

● Reset Switch
(1) Press RESET to turn off the filter indicator lamp after filter cleaning.
(2) If the unit is stopped abnormally due to protection devices etc., press the RESET switch to cancel the control stoppage after the cause of the abnormality has been remove.

1.3.4 7-Day Timer, PSC-A1T (Optional)

By plugging in this timer to the optional remote control switch, daily ON/OFF operation control throughout the week is available.
7-Day Timer has power failure back-up dry cell. The ON/OFF control is three times in a day as a maximum and the setting is available every minute.

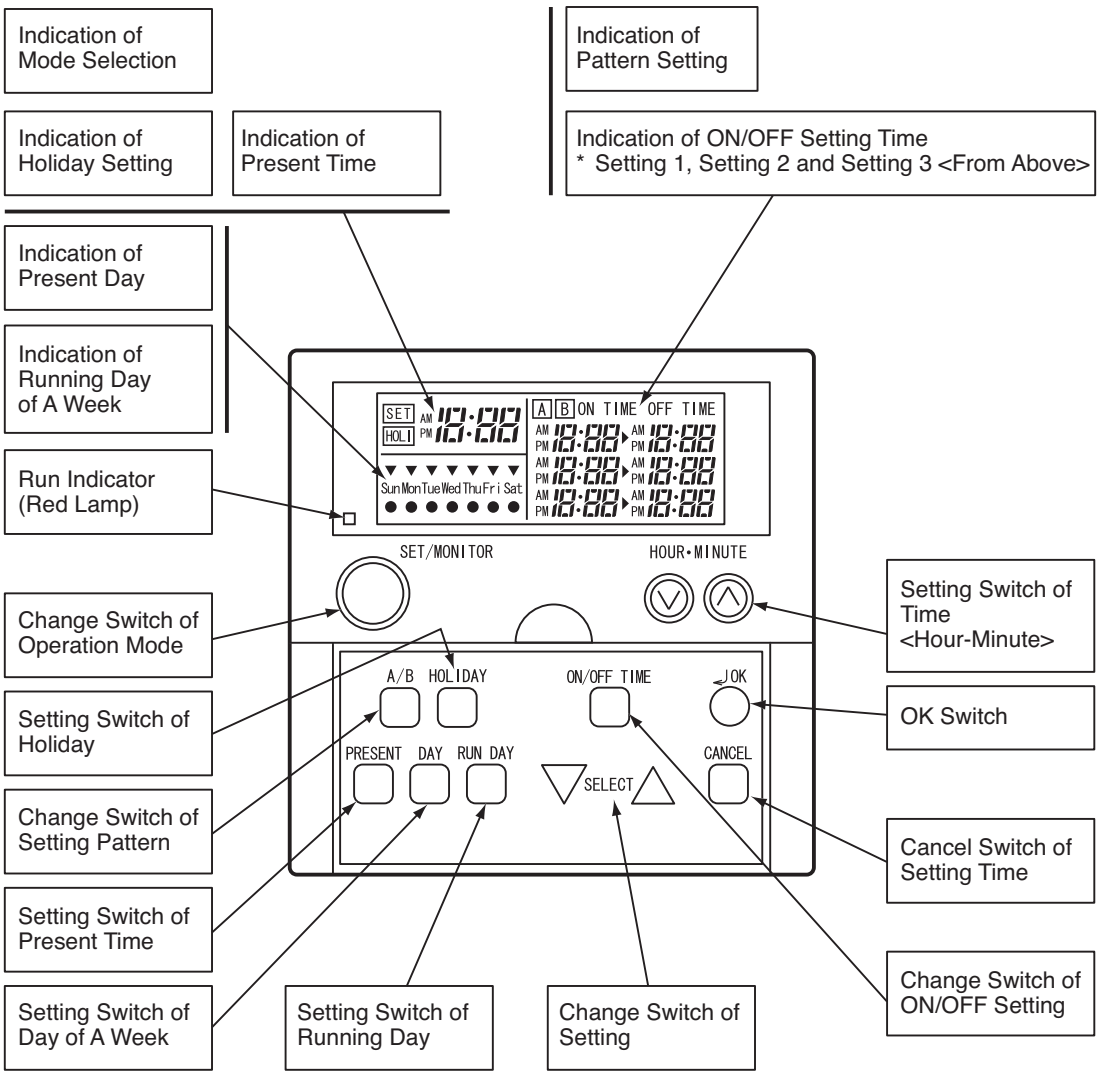
Functions

This 7-day timer provides the following functions.

- ON/OFF Setting Time in a Week.
- ON/OFF Setting in available three times a day.
- Present time is indicated.
- Running time is indicated.

Liquid Crystal Display Section

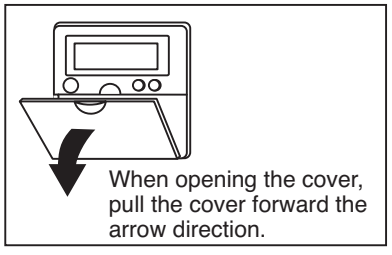
The figure below shows all the indications for reference.
The actual display during operation is different.



Operation Switch Section

The above figure shows the control timer with the cover opened.

The present time and the ON/OFF setting time are indicated by 12 hour units (AM0:00 – 11:59, PM0:00 – 11:59).



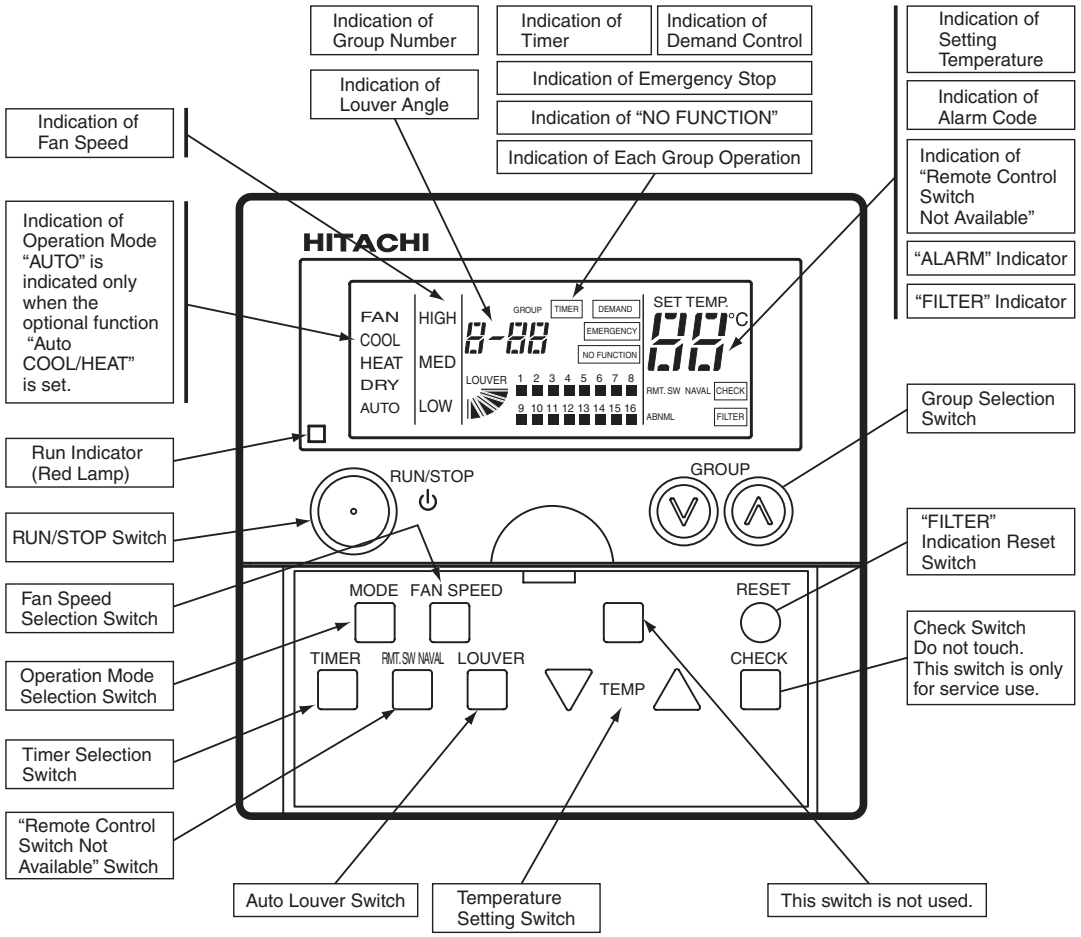
1.3.5 Central Station, PSC-5S (Optional) and PSC-A64S (Optional)

This central station is of the soft touch type. (Operation except with finger is not recommended.)
Activation can be checked by referring to the liquid crystal display and LEDs.

< Model: PSC-5S >

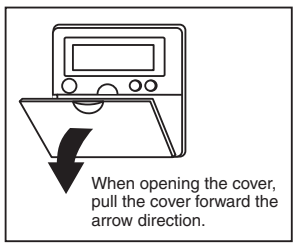
Liquid Crystal Display Section

The figure below shows all the indications for reference.
The actual display during operation is different.



Operation Switch Section

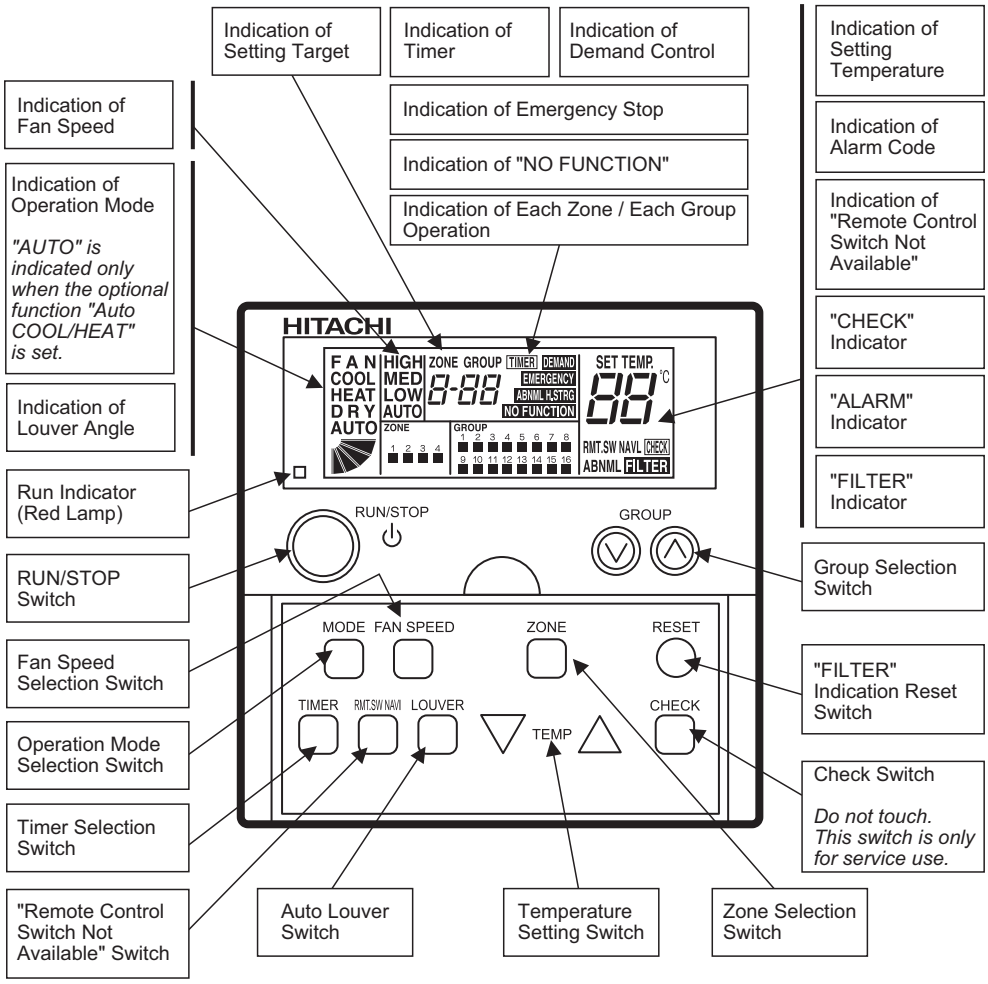
The above figure shows the central station with the cover opened.



< Model: PSC-A64S >

Liquid Crystal Display Selection

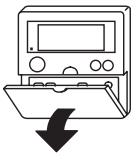
(The figure below shows all the indications for reference. The actual display during operation is different.)



Operation Switch Selection

(The above figure shows the control timer with the cover opened.)

When opening the cover, pull the cover toward the arrow direction.



2. General Data

Indoor Unit Type		In-the-Ceiling Type (Low Static Pressure)				
Model		RPI-0.8FSNQL	RPI-1.0FSNQL	RPI-1.3FSNQL	RPI-1.5FSNQL	RPI-1.8FSNQL
Indoor Unit Power Supply		AC 1φ, 220-240V/50Hz, 220V/60Hz				
Nominal Cooling Capacity *1)	kW	2.3	2.9	3.8	4.4	5.2
	kcal/h	2,000	2,500	3,300	3,800	4,500
	Btu/h	7,800	9,900	13,000	15,000	17,700
Nominal Cooling Capacity *2)	kW	2.2	2.8	3.6	4.3	5.0
	kcal/h	1,900	2,400	3,100	3,700	4,300
	Btu/h	7,500	9,600	12,300	14,700	17,100
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6
	kcal/h	2,400	2,800	3,600	4,200	4,800
	Btu/h	9,600	11,300	14,300	16,700	19,100
Sound Pressure Level (Overall A Scale)	dB	29.5-26-24.5	29.5-26-24.5	34-32-30	34-32-30	34-32-30
Outer Dimensions						
Height	mm	270	270	270	270	270
	(in.)	(10-5/8)	(10-5/8)	(10-5/8)	(10-5/8)	(10-5/8)
Width	mm	650+75	650+75	650+75	650+75	900+75
	(in.)	(25-9/16+2-15/16)	(25-9/16+2-15/16)	(25-9/16+2-15/16)	(25-9/16+2-15/16)	(35-7/16+2-15/16)
Depth	mm	720	720	720	720	720
	(in.)	(28-3/8)	(28-3/8)	(28-3/8)	(28-3/8)	(28-3/8)
Net Weight	kg	26	26	26	26	35
	(lbs.)	(57)	(57)	(57)	(57)	(77)
Refrigerant	—	R410A(Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan						
Air Flow Rate	m^3/min.	8/7/6	8/7/6	13/11/9	13/11/9	15/13/11
(Hi/Me/Lo)	(cfm)	(283/247/212)	(283/247/212)	(459/388/212)	(459/388/212)	(530/459/358)
External Pressure *3)	Pa	30	30	30	30	30
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping						
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	(in.)	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
	(in.)	(1/2)	(1/2)	(1/2)	(1/2)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.21	0.21	0.21	0.21	0.27

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°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		In-the-Ceiling Type (Low Static Pressure)				
Model		RPI-2.0FSNQL	RPI-2.3FSNQL	RPI-2.5FSNQL	RPI-3.0FSNQL	RPI-3.3FSNQL
Indoor Unit Power Supply		AC 1φ, 220-240V/50Hz, 220V/60Hz				
Nominal Cooling Capacity *1)	kW	5.8	6.5	7.3	8.7	9.3
	kcal/h	5,000	5,600	6,300	7,500	8,000
	Btu/h	19,800	22,200	24,900	29,700	31,700
Nominal Cooling Capacity *2)	kW	5.6	6.3	7.1	8.4	9.0
	kcal/h	4,800	5,400	6,100	7,200	7,700
	Btu/h	19,100	21,500	24,200	28,700	30,700
Nominal Heating Capacity	kW	6.5	7.5	8.5	9.6	10.0
	kcal/h	5,600	6,500	7,300	8,300	8,600
	Btu/h	22,200	25,600	29,000	32,800	34,100
Sound Pressure Level (Overall A Scale)	dB	34-32-30	35-33-31	35-33-31	40-37-33	40-37-33
Outer Dimensions						
Height	mm	270	270	270	350	350
	(in.)	(10-5/8)	(10-5/8)	(10-5/8)	(13-3/4)	(13-3/4)
Width	mm	900+75	900+75	900+75	900+75	900+75
	(in.)	(35-7/16+2-15/16)	(35-7/16+2-15/16)	(35-7/16+2-15/16)	(35-7/16+2-15/16)	(35-7/16+2-15/16)
Depth	mm	720	720	720	800	800
	(in.)	(28-3/8)	(28-3/8)	(28-3/8)	(31-1/2)	(31-1/2)
Net Weight	kg	35	35	35	46	46
	(lbs.)	(77)	(77)	(77)	(101)	(101)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan						
Air Flow Rate	m^3/min.	15/13/11	16/14/12	16/14/12	25/21/17	25/21/17
(Hi/Me/Lo)	(cfm)	(530/459/388)	(565/494/424)	(565/494/424)	(883/741/600)	(883/741/600)
External Pressure *3)	Pa	30	30	30	60	60
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping						
Liquid Line	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	(in.)	(1/4)	(3/8)	(3/8)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	(in.)	(5/8)	(5/8)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.27	0.27	0.27	0.38	0.38

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) 6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		In-the-Ceiling Type (Low Static Pressure)				
Model		RPI-4.0FSNQL	RPI-5.0FSNQL	RPI-6.0FSNQL	RPI-8.0FSN3Q	RPI-10.0FSN3Q
Indoor Unit Power Supply		AC 1φ, 220-240V/50Hz, 220V/60Hz			AC 3φ, 380~415V/50Hz/380V60HZ	
Nominal Cooling Capacity *1)	kW	11.6	14.5	16.5	23.2	28.6
	kcal/h	10,000	12,500	14,200	20,000	24,600
	Btu/h	39,600	49,500	56,300	79,200	97,600
Nominal Cooling Capacity *2)	kW	11.2	14.2	16.0	22.4	28.0
	kcal/h	9,600	12,200	13,800	19,300	24,100
	Btu/h	38,200	48,500	54,600	76,500	95,600
Nominal Heating Capacity	kW	13.0	16.3	18.0	25.0	31.5
	kcal/h	11,200	14,000	15,500	21,500	27,100
	Btu/h	44,400	55,600	61,400	85,300	107,500
Sound Pressure Level (Overall A Scale)	dB	41.5-39-35	42-39-35	43-39-37	50	52
Outer Dimensions						
Height	mm	350	350	350	470	470
	(in.)	(13-3/4)	(13-3/4)	(13-3/4)	(18-1/2)	(18-1/2)
Width	mm	900+75	1,300+75	1,300+75	1,060	1,250
	(in.)	(35-7/16+2-15/16)	(51-3/16+2-15/16)	(51-3/16+2-15/16)	(41-3/4)	(49-1/4)
Depth	mm	800	800	800	1,120	1,120
	(in.)	(31-1/2)	(31-1/2)	(31-1/2)	(44-1/12)	(44-1/12)
Net Weight	kg	46	58	58	96	104
	(lbs.)	(101)	(128)	(128)	(211)	(230)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan						
Air Flow Rate	m^3/min.	27/23/19	37/31/25	38/35/29	58(56*)	72(70*)
(Hi/Me/Lo)	(cfm)	(954/812/671)	(1,306/1,095/883)	(1,341/1,236/1,024)	(2048（1977*）)	(2542（2471*）)
External Pressure *3)	Pa	60	60	60	100	100
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping						
Liquid Line	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	(in.)	(3/8)	(3/8)	(3/8)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.2
	(in.)	(5/8)	(5/8)	(5/8)	(3/4)	(7/8)
Condensate Drain	—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.38	0.52	0.52	0.90	1.06

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) 6°C WB (43°F WB)
   - Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

4. *: The in door fan data in brackets () is rated output power when the power supply is 60Hz.

Indoor Unit Type		In-the-Ceiling Type (High Static Pressure)				
Model		RPI-0.8FSNQH	RPI-1.0FSNQH	RPI-1.3FSNQH	RPI-1.5FSNQH	RPI-1.8FSNQH
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz				
Nominal Cooling Capacity *1)	kW	2.3	2.9	3.8	4.4	5.2
	kcal/h	2,000	2,500	3,300	3,800	4,500
	Btu/h	7,800	9,900	13,000	15,000	17,700
Nominal Cooling Capacity *2)	kW	2.2	2.8	3.6	4.3	5.0
	kcal/h	1,900	2,400	3,100	3,700	4,300
	Btu/h	7,500	9,500	12,300	14,700	17,100
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6
	kcal/h	2,400	2,800	3,600	4,200	4,800
	Btu/h	9,600	11,300	14,300	16,700	19,100
Sound Pressure Level (Overall A Scale)	dB	35-33-31	35-33-31	35-33-31	35-33-31	35-33-31
Outer Dimensions						
Height	mm	270	270	270	270	270
	(in.)	(10-5/8)	(10-5/8)	(10-5/8)	(10-5/8)	(10-5/8)
Width	mm	650+75	650+75	650+75	650+75	900+75
	(in.)	(25-9/16+2-15/16)	(25-9/16+2-15/16)	(25-9/16+2-15/16)	(25-9/16+2-15/16)	(35-7 /16+2-15/16)
Depth	mm	720	720	720	720	720
	(in.)	(28-3/8)	(28-3/8)	(28-3/8)	(28-3/8)	(28-3/8)
Net Weight	kg	26	26	26	26	35
	(lbs.)	(57)	(57)	(57)	(57)	(77)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan						
Air Flow Rate	m^3/min.	8/7/6	8/7/6	13/11/9	13/11/9	15/13/11
(Hi/Me/Lo)	(cfm)	(283/247/212)	(283/247/212)	(459/388/212)	(459/388/212)	(530/459/358)
External Pressure *3)	Pa	50(80)	50(80)	50(80)	50(80)	50(80)
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping						
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	(in.)	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
	(in.)	(1/2)	(1/2)	(1/2)	(1/2)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.21	0.21	0.21	0.21	0.27

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) / 6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		In-the-Ceiling Type (High Static Pressure)				
Model		RPI-2.0FSNQH	RPI-2.3FSNQH	RPI-2.5FSNQH	RPI-3.0FSNQH	RPI-3.3FSNQH
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz				
Nominal Cooling Capacity *1)	kW	5.8	6.5	7.3	8.7	9.3
	kcal/h	5,000	5,600	6,300	7,500	8,000
	Btu/h	19,800	22,200	24,900	29,700	31,700
Nominal Cooling Capacity *2)	kW	5.6	6.3	7.1	8.4	9.0
	kcal/h	4,800	5,400	6,100	7,200	7,700
	Btu/h	19,100	21,500	24,200	28,700	30,700
Nominal Heating Capacity	kW	6.5	7.5	8.5	9.6	10.0
	kcal/h	5,600	6,500	7,300	8,300	8,600
	Btu/h	22,200	25,600	29,000	32,800	34,100
Sound Pressure Level (Overall A Scale)	dB	35-33-31	36-34-32	36-34-32	42-39-35	42-39-35
Outer Dimensions						
Height	mm	270	270	270	350	350
	(in.)	(10-5/8)	(10-5/8)	(10-5/8)	(13-3/4)	(13-3/4)
Width	mm	900+75	900+75	900+75	900+75	900+75
	(in.)	(35-7/16+2-15/16)	(35-7/16+2-15/16)	(35-7/16+2-15/16)	(35-7/16+2-15/16)	(35-7/16+2-15/16)
Depth	mm	720	720	720	800	800
	(in.)	(28-3/8)	(28-3/8)	(28-3/8)	(31-1/2)	(31-1/2)
Net Weight	kg	35	35	35	46	46
	(lbs.)	(77)	(77)	(77)	(101)	(101)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan						
Air Flow Rate	m^3/min.	15/13/11	16/14/12	16/14/12	25/21/17	25/21/17
(Hi/Me/Lo)	(cfm)	(530/459/388)	(565/494/424)	(565/494/424)	(883/741/600)	(883/741/600)
External Pressure *3)	Pa	50(80)	50(80)	50(80)	120(90)	120(90)
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping						
Liquid Line	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	(in.)	(1/4)	(3/8)	(3/8)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	(in.)	(5/8)	(5/8)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.27	0.27	0.27	0.38	0.38

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) / 6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		In-the-Ceiling Type (High Static Pressure)				
Model		RPI-4.0FSNQH	RPI-5.0FSNQH	RPI-6.0FSNQH	RPI-8.0FSNQ	RPI-10.0FSNQ
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			AC 3ϕ, 380~415V/50Hz, 380V/60Hz	
Nominal Cooling Capacity *1)	kW	11.6	14.5	16.5	23.2	28.6
	kcal/h	10,000	12,500	14,200	20,000	24,600
	Btu/h	39,600	49,500	56,300	79,800	97,600
Nominal Cooling Capacity *2)	kW	11.2	14.2	16.0	22.4	28.0
	kcal/h	9,600	12,200	13,800	19,300	24,100
	Btu/h	38,200	48,500	54,600	76,500	95,600
Nominal Heating Capacity	kW	13.0	16.3	18.0	25.0	31.5
	kcal/h	11,200	14,000	15,500	21,500	27,100
	Btu/h	44,400	55,600	61,400	85,300	107,000
Sound Pressure Level (Overall A Scale)	dB	43-40-36	44-41-37	45-41-37	50	52
Outer Dimensions						
Height	mm	350	350	350	470	470
	(in.)	(13-3/4)	(13-3/4)	(13-3/4)	(18-1/2)	(18-1/2)
Width	mm	900+75	1,300+75	1,300+75	1,060	1,250
	(in.)	(35-7/16+2-15/16)	(51-3/16+2-15/16)	(51-3/16+2-15/16)	(41-3/4)	(49-1/4)
Depth	mm	800	800	800	1,120	1,120
	(in.)	(31-1/2)	(31-1/2)	(31-1/2)	(44-1/12)	(44-1/12)
Net Weight	kg	46	58	58	96	104
	(lbs.)	(101)	(128)	(128)	(211)	(229)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan						
Air Flow Rate	m^3/min.	27/23/19	37/31/25	38/35/29	58	72
(Hi/Me/Lo)	(cfm)	(954/812/671)	(1,306/1,095/883)	(1,341/1,236/1,024)	(2048)	(2542)
External Pressure *3)	Pa	120(90)	120(90)	120(90)	180	180
Connections		Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping						
Liquid Line	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	(in.)	(3/8)	(3/8)	(3/8)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.2
	(in.)	(5/8)	(5/8)	(5/8)	(3/4)	(7/8)
Condensate Drain	—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.38	0.52	0.52	0.90	1.06

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°C DB (80°F DB)
     *1) 19.5°C WB (67°F WB)
     *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
     6°C WB (43°F WB)
   - Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		In-the-Ceiling Type (High Static Pressure)	
Model		RPI-8.0FSNQH	RPI-10.0FSNQH
Indoor Unit Power Supply		AC 1ϕ, 208-230V/60Hz	
Nominal Cooling Capacity *1)	kW	23.2	28.6
	kcal/h	20,000	24,600
	Btu/h	79,200	97,600
Nominal Cooling Capacity *2)	kW	22.4	28.0
	kcal/h	19,300	24,100
	Btu/h	76,500	95,600
Nominal Heating Capacity	kW	25.0	31.5
	kcal/h	21,500	27,100
	Btu/h	85,300	107,500
Sound Pressure Level (Overall A Scale)	dB	52	54
Outer Dimensions			
Height	mm	470	470
	(in.)	(18-1/2)	(18-1/2)
Width	mm	1,250	1,250
	(in.)	(49-1/4)	(49-1/4)
Depth	mm	1,120	1,120
	(in.)	(44-1/12)	(44-1/12)
Net Weight	kg	118	118
	(lbs.)	(259)	(259)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)	
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m^3/min	67	72
	(cfm)	(2353)	(2541)
External Pressure *3)	Pa	240	200
Connections		Brazing	
Refrigerant Piping			
Liquid Line	mm	Φ9.53	Φ9.53
	(in.)	(3/8)	(3/8)
Gas Line	mm	Φ19.05	Φ22.2
	(in.)	(3/4)	(7/8)
Condensate Drain	—	VP25	VP25
Approximate Packing Measurement	m^3	1.06	1.06

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hisense standard split system.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		Low-Height In-the-Ceiling Type			
Model		RPIZ-0.8FSN1Q	RPIZ-1.0FSN1Q	RPIZ-1.3FSN1Q	RPIZ-1.5FSN1Q
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	2.3	2.9	3.8	4.4
	kcal/h	2,000	2,500	3,300	3,800
	Btu/h	7,800	9,900	13,000	15,000
Nominal Cooling Capacity *2)	kW	2.2	2.8	3.6	4.3
	kcal/h	1,900	2,400	3,100	3,700
	Btu/h	7,500	9,600	12,300	14,700
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9
	kcal/h	2,400	2,800	3,600	4,200
	Btu/h	9,600	11,300	14,300	16,700
Sound Pressure Level (Overall A Scale)	dB	27-24-21	27-24-21	31-29-26	31-29-26
Outer Dimensions					
Height	mm	192	192	192	192
	(in.)	(7-9/16)	(7-9/16)	(7-9/16)	(7-9/16)
Width	mm	900	900	900	900
	(in.)	(35-7/16)	(35-7/16)	(35-7/16)	(35-7/16)
Depth	mm	447	447	447	447
	(in.)	(17-19/32)	(17-19/32)	(17-19/32)	(17-19/32)
Net Weight	kg	20	20	21	21
	(lbs.)	(44)	(44)	(46)	(46)
Refrigerant	—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan					
Air Flow Rate (Hi/Me/Lo)	m^3/min. (cfm)	8/7/6 (283/247/212)	8/7/6 (283/247/212)	10/8/7 (353/283/247)	10/8/7 (353/283/247)
External Pressure *3)	Pa	10(30)	10(30)	10(30)	10(30)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping					
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	(in.)	(1/4)	(1/4)	(1/4)	(1/4)
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
	(in.)	(1/2)	(1/2)	(1/2)	(1/2)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.15	0.15	0.15	0.15

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) / 6°C WB (43°F WB)
   - Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		Low-Height In-the-Ceiling Type			
Model		RPIZ-1.8FSN1Q	RPIZ-2.0FSN1Q	RPIZ-2.3FSN1Q	RPIZ-2.5FSN1Q
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	5.2	5.8	6.5	7.3
	kcal/h	4,500	5,000	5,600	6,300
	Btu/h	17,700	19,800	22,200	24,900
Nominal Cooling Capacity *2)	kW	5.0	5.6	6.3	7.1
	kcal/h	4,300	4,800	5,400	6,100
	Btu/h	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	5.6	6.5	7.5	8.5
	kcal/h	4,800	5,600	6,500	7,300
	Btu/h	19,100	22,200	25,600	29,000
Sound Pressure Level (Overall A Scale)	dB	34-30-28	34-30-28	35-33-30	35-33-30
Outer Dimensions					
Height	mm	192	192	192	192
	(in.)	(7-9/16)	(7-9/16)	(7-9/16)	(7-9/16)
Width	mm	1,170	1,170	1,170	1,170
	(in.)	(46-1/16)	(46-1/16)	(46-1/16)	(46-1/16)
Depth	mm	447	447	447	447
	(in.)	(17-19/32)	(17-19/32)	(17-19/32)	(17-19/32)
Net Weight	kg	26	26	26	26
	(lbs.)	(57)	(57)	(57)	(57)
Refrigerant	—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan					
Air Flow Rate (Hi/Me/Lo)	m^3/min. (cfm)	14.5/12.5/10.5 (512/442/371)	14.5/12.5/10.5 (512/442/371)	16/14/12 (565/494/424)	16/14/12 (565/494/424)
External Pressure *3)	Pa	10(30)	10(30)	10(30)	10(30)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping					
Liquid Line	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	(in.)	(1/4)	(1/4)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	(in.)	(5/8)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.18	0.18	0.18	0.18

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°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		Slim In-the-Ceiling Type			
Model		RPIZ-0.8FSNQS	RPIZ-1.0FSNQS	RPIZ-1.3FSNQS	RPIZ-1.5FSNQS
Indoor Unit Power Supply		AC 1φ , 220-240V/50H/ /220V60HZ			
Nominal Cooling Capacity *1)	kW	2.3	2.9	3.8	4.4
	kcal/h	2,000	2,500	3,300	3,800
	Btu/h	7,800	9,900	13,000	15,000
Nominal Cooling Capacity *2)	kW	2.2	2.8	3.6	4.3
	kcal/h	1,900	2,400	3,100	3,700
	Btu/h	7,500	9,600	12,300	14,700
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9
	kcal/h	2,400	2,800	3,600	4,200
	Btu/h	9,600	11,300	14,300	16,700
Sound Pressure Level (Overall A Scale)	dB	28-25-22	28-25-22	32-30-28	32-30-28
Outer Dimensions					
Height	mm	192	192	192	192
	(in.)	(7-9/16)	(7-9/16)	(7-9/16)	(7-9/16)
Width	mm	700	700	700	700
	(in.)	(27-14/25)	(27-14/25)	(27-14/25)	(27-14/25)
Depth	mm	602	602	602	602
	(in.)	(23-7/10)	(23-7/10)	(23-7/10)	(23-7/10)
Net Weight	kg	21	21	21	21
	(lbs.)	(46)	(46)	(46)	(46)
Refrigerant	—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan					
Air Flow Rate	m^3/min.	8/7/6	8/7/6	10/8/7	10/8/7
(Hi/Me/Lo)	(cfm)	(283/247/212)	(283/247/212)	(353/283/247)	(353/283/247)
External Pressure *3)	Pa	10(30)	10(30)	10(30)	10(30)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping					
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	(in.)	(1/4)	(1/4)	(1/4)	(1/4)
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
	(in.)	(1/2)	(1/2)	(1/2)	(1/2)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.15	0.15	0.15	0.15

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) 6°C WB (43°F WB)
   - Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meter Beneath the Unit.
   With Discharge Duct (2.0m) and Return Duct (1.0m).
   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 dB.
   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.

Indoor Unit Type		4-Way Cassette Type			
Model		RCI-1.0FSN1Q	RCI-1.3FSN1Q	RCI-1.5FSN1Q	RCI-1.8FSN1Q
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	2.9	3.8	4.4	5.2
	kcal/h	2,500	3,300	3,800	4,500
	Btu/h	9,900	13,000	15,000	17,700
Nominal Cooling Capacity *2)	kW	2.8	3.6	4.3	5.0
	kcal/h	2,400	3,100	3,700	4,300
	Btu/h	9,600	12,300	14,700	17,100
Nominal Heating Capacity	kW	3.3	4.2	4.9	5.6
	kcal/h	2,800	3,600	4,200	4,800
	Btu/h	11,300	14,300	16,700	19,100
Sound Pressure Level (Overall A Scale)	dB	32-30-28	32-30-28	32-30-28	32-30-28
Outer Dimensions Height	mm	248	248	248	248
	(in.)	(9-3/4)	(9-3/4)	(9-3/4)	(9-3/4)
Width	mm	840	840	840	840
	(in.)	(33-1/16)	(33-1/16)	(33-1/16)	(33-1/16)
Depth	mm	840	840	840	840
	(in.)	(33-1/16)	(33-1/16)	(33-1/16)	(33-1/16)
Net Weight	kg	22	22	22	25
	(lbs.)	(51)	(51)	(51)	(53)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m^3/min.	13/12/11	15/13.5/12	15/13.5/12	16/14/12
	(cfm)	(459/424/388)	(530/477/424)	(530/477/424)	(565/494/424)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	(in.)	(1/4)	(1/4)	(1/4)	(1/4)
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88
	(in.)	(1/2)	(1/2)	(1/2)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.22	0.22	0.22	0.22
Adaptable Panel Model	—	P-N23NAQ	P-N23NAQ	P-N23NAQ	P-N23NAQ
Color	—	Neutral White			
Outer Dimensions Height	mm	37	37	37	37
	(in.)	(1-7/16)	(1-7/16)	(1-7/16)	(1-7/16)
Width	mm	950	950	950	950
	(in.)	(37-3/8)	(37-3/8)	(37-3/8)	(37-3/8)
Depth	mm	950	950	950	950
	(in.)	(37-3/8)	(37-3/8)	(37-3/8)	(37-3/8)
Net Weight	kg	6	6	6	6
	(lbs.)	(13)	(13)	(13)	(13)
Approximate Packing Measurement	m^3	0.08	0.08	0.08	0.08

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°C DB (80°F DB)
*1) 19.5°C WB (67°F WB)
*2) 19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB (68°F DB)
Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
6°C WB (43°F WB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
1.5 Meters Beneath the Unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type		4-Way Cassette Type			
Model		RCI-2.0FSN1Q	RCI-2.3FSN1Q	RCI-2.5FSN1Q	RCI-3.0FSN1Q
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	5.8	6.5	7.3	8.7
	kcal/h	5,000	5,600	6,300	7,500
	Btu/h	19,800	22,200	24,900	29,700
Nominal Cooling Capacity *2)	kW	5.6	6.3	7.1	8.4
	kcal/h	4,800	5,400	6,100	7,200
	Btu/h	19,100	21,500	24,200	28,700
Nominal Heating Capacity	kW	6.5	7.5	8.5	9.6
	kcal/h	5,600	6,500	7,300	8,300
	Btu/h	22,200	25,600	29,000	32,800
Sound Pressure Level (Overall A Scale)	dB	32-30-28	32-30-28	32-30-28	34-32-30
Outer Dimensions Height	mm	248	248	248	298
	(in.)	(9-3/4)	(9-3/4)	(9-3/4)	(11-3/4)
Width	mm	840	840	840	840
	(in.)	(33-1/16)	(33-1/16)	(33-1/16)	(33-1/16)
Depth	mm	840	840	840	840
	(in.)	(33-1/16)	(33-1/16)	(33-1/16)	(33-1/16)
Net Weight	kg	25	25	25	27
	(lbs.)	(53)	(53)	(53)	(57)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m^3/min.	16/14/12	19/17/14	20/17/15	26/23/20
	(cfm)	(565/494/424)	(671/600/494)	(706/600/530)	(918/812/706)
Connections Refrigerant Piping		Flare-Nut Connection (with Flare Nuts)			56
Liquid Line	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53
	(in.)	(1/4)	(3/8)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	(in.)	(5/8)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.22	0.22	0.22	0.26
Adaptable Panel Model	—	P-N23NAQ	P-N23NAQ	P-N23NAQ	P-N23NAQ
Color	—	Neutral White			
Outer Dimensions Height	mm	37	37	37	37
	(in.)	(1-7/16)	(1-7/16)	(1-7/16)	(1-7/16)
Width	mm	950	950	950	950
	(in.)	(37-3/8)	(37-3/8)	(37-3/8)	(37-3/8)
Depth	mm	950	950	950	950
	(in.)	(37-3/8)	(37-3/8)	(37-3/8)	(37-3/8)
Net Weight	kg	6	6	6	6
	(lbs.)	(13)	(13)	(13)	(13)
Approximate Packing Measurement	m^3	0.08	0.08	0.08	0.08

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°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) / 6°C WB (43°F WB)
   - Piping Length: 7.5 Meters — Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type		4-Way Cassette Type			
Model		RCI-3.3FSN1Q	RCI-4.0FSN1Q	RCI-5.0FSN1Q	RCI-6.0FSN1Q
Indoor Unit Power Supply		AC 1φ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW kcal/h Btu/h	9.3 8,000 31,700	11.6 10,000 39,600	14.5 12,500 49,500	16.5 14,200 56,300
Nominal Cooling Capacity *2)	kW kcal/h Btu/h	9.0 7,700 30,700	11.2 9,600 38,200	14.2 12,200 48,500	16.0 13,800 54,600
Nominal Heating Capacity	kW kcal/h Btu/h	10.0 8,600 34,100	13.0 11,200 44,400	16.3 14,000 55,600	18.0 15,500 61,400
Sound Pressure Level (Overall A	dB	34-32-30	41-36-33	43-38-35	44-40-36
Outer Dimensions Height	mm (in.)	298 (11-3/4)	298 (11-3/4)	298 (11-3/4)	298 (11-3/4)
Width	mm (in.)	840 (33-1/16)	840 (33-1/16)	840 (33-1/16)	840 (33-1/16)
Depth	mm (in.)	840 (33-1/16)	840 (33-1/16)	840 (33-1/16)	840 (33-1/16)
Net Weight	kg (lbs.)	27 (57)	30 (64)	30 (64)	30 (64)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m^3/min. (cfm)	26/23/20 (918/812/706)	32/28/24 (1,130/989/847)	34/29/25 (1,201/1,024/883)	37/32/27 (1,307/1,130/954)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Liquid Line	mm (in.)	Φ9.53 (3/8)	Φ9.53 (3/8)	Φ9.53 (3/8)	Φ9.53 (3/8)
Gas Line	mm (in.)	Φ15.88 (5/8)	Φ15.88 (5/8)	Φ15.88 (5/8)	Φ15.88 (5/8)
Condensate Drain		VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.26	0.26	0.26	0.26
Adaptable Panel Model	–	P-N23NAQ			
Color	–	Neutral White			
Outer Dimensions Height	mm (in.)	37 (1-7/16)	37 (1-7/16)	37 (1-7/16)	37 (1-7/16)
Width	mm (in.)	950 (37-3/8)	950 (37-3/8)	950 (37-3/8)	950 (37-3/8)
Depth	mm (in.)	950 (37-3/8)	950 (37-3/8)	950 (37-3/8)	950 (37-3/8)
Net Weight	kg (lbs.)	6 (13)	6 (13)	6 (13)	6 (13)
Approximate Packing Measurement	m^3	0.08	0.08	0.08	0.08

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°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)

   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions

   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			4-Way Cassette Type			
MODEL			RCI-1.0FSKDNQ	RCI-1.5FSKDNQ	RCI-2.0FSKDNQ	RCI-2.5FSKDNQ
Power supply			AC1Φ 220~240V 50Hz,220V 60Hz			
Nominal cooling capacity		kW	2.8	4.0	5.6	7.1
Nominal heating capacity		kW	3.2	4.8	6.3	8.5
Air flow	Speed (HiH/Hi/Me/Lo)	m^3/min	15 / 13 / 11 / 9	21 / 17 / 14 / 11	22 / 17 / 14 / 11	27 / 23 / 18 / 14
Fan motor type (output)		W	57	57	57	57
Sound pressure level	Speed (HiH/Hi/Me/Lo)	dB(A)	33 / 30 / 28 / 27	35 / 31 / 30 / 27	37 / 32 / 30 / 27	42 / 36 / 32 / 28
Sound power level		dB(A)	52	53	55	56
Outer measurements	Height	mm	238	238	238	238
	Width	mm	840	840	840	840
	Depth	mm	840	840	840	840
Net weight		kg	20	21	21	22
Refrigerant			R410A (factory-charged corrosion-proof nitrogen)			
Refrigerant pipe connection			Flare nuts			
Refrigerant pipe size	Liquid	mm (in)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)
	Gas	mm (in)	ø12.7 (1/2)	ø12.7 (1/2)	ø12.7 (1/2)	ø15.88 (5/8)
Condensate drain connection		mm	ø32 (1)	ø32 (1)	ø32 (1)	ø32 (1)
Maximum electricity demand		A	5	5	5	5
Packaging measurements		m^3	0.26	0.26	0.26	0.26
Adaptable air panel model			P-N23NA2			
Colour (Munsell code)			Neutral white (4.56Y8.85/0.38)			
Outer measurements	Height	mm	40	40	40	40
	Width	mm	950	950	950	950
	Depth	mm	950	950	950	950
Net weight		kg	6.5	6.5	6.5	6.5
Packaging measurements		m^3	0.10	0.10	0.10	0.10
Remote control			PC-ARF1			

(1) Outer diameter (VP25).

The data obtained is based on the operating conditions described in *"Considerations"*.

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°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F
   Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			4-Way Cassette Type			
MODEL			RCI-3.0FSKDNQ	RCI-4.0FSKDNQ	RCI-5.0FSKDNQ	RCI-6.0FSKDNQ
Power supply			AC1Φ 240V 50Hz,220V 60Hz			
Nominal cooling capacity		kW	8.0	11.2	14.0	16.0
Nominal heating capacity		kW	9.0	12.5	16.0	18.0
Air flow	Speed (HiH/Hi/Me/Lo)	m^3/min	27 / 23 / 18 / 14	37 / 31 / 24 / 20	37 / 33 / 26 / 21	37 / 35 / 28 / 22
Fan motor type (output)		W	57	127	127	127
Sound pressure level	Speed (HiH/Hi/Me/Lo)	dB(A)	42 / 36 / 32 / 28	48 / 43 / 39 / 33	48 / 45 / 40 / 35	48 / 46 / 41 / 37
Sound power level		dB(A)	57	64	64	65
Outer measurements	Height	mm	288	288	288	288
	Width	mm	840	840	840	840
	Depth	mm	840	840	840	840
Net weight		kg	26	26	26	26
Refrigerant			R410A (factory-charged corrosion-proof nitrogen)			
Refrigerant pipe connection			Flare nuts			
Refrigerant pipe size	Liquid	mm (in)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)
	Gas	mm (in)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)
Condensate drain connection		mm	ø32 (1)	ø32 (1)	ø32 (1)	ø32 (1)
Maximum current		A	5	5	5	5
Packaging measurements		m^3	0.31	0.31	0.31	0.31
Adaptable air panel model			P-N23NA2			
Colour (Munsell code)			Neutral white (4.56Y8.85/0.38)			
Outer measurements	Height	mm	40	40	40	40
	Width	mm	950	950	950	950
	Depth	mm	950	950	950	950
Net weight		kg	6.5	6.5	6.5	6.5
Packaging measurements		m^3	0.10	0.10	0.10	0.10
Remote control			PC-ARF1			

(1) Outer diameter (VP25).

The data obtained is based on the operating conditions described in *"Considerations"*.

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°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F
   Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type		Wall Type			
Model		RPK-0.8FSNQS	RPK-1.0FSNQS	RPK-1.3FSNQS	RPK-1.5FSNQS
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	2.3	2.9	3.8	4.2
	kcal/h	2,000	2,500	3,280	3,600
	Btu/h	7,800	9,900	12,900	14,400
Nominal Cooling Capacity *2)	kW	2.2	2.8	3.6	4.0
	kcal/h	1,900	2,400	3,100	3,450
	Btu/h	7,500	9,600	12,300	13,600
Nominal Heating Capacity	kW	2.5	3.3	4.0	4.5
	kcal/h	2,150	2,800	3,450	3,900
	Btu/h	8,500	11,100	13,600	15,300
Sound Pressure Level (Overall A Scale)	dB	38-36-32	38-36-32	40-36-34	41-38-36
Cabinet Color	—	White			
Outer Dimensions					
Height	mm	280	280	280	280
	(in.)	(11)	(11)	(11)	(11)
Width	mm	780	780	780	780
	(in.)	(30-11/16)	(30-11/16)	(30-11/16)	(30-11/16)
Depth	mm	220	220	220	220
	(in.)	(8-2/3)	(8-2/3)	(8-2/3)	(8-2/3)
Net Weight	kg	10	10	10	10
	(lbs.)	(22)	(22)	(22)	(22)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan					
Air Flow Rate	m^3/min.	8.5/7.5/6.5	8.5/7.5/6.5	9.2/7.5/6.7	10/8.5/7.5
(Hi/Me/Lo)	(cfm)	(300/265/229)	(300/265/229)	(325/265/237)	(353/300/265)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping					
Liquid Line	mm	ϕ6.35	ϕ6.35	ϕ6.35	ϕ6.35
	(in.)	(1/4)	(1/4)	(1/4)	(1/4)
Gas Line	mm	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7
	(in.)	(1/2)	(1/2)	(1/2)	(1/2)
Condensate Drain	—	VP16	VP16	VP16	VP16
Approximate Packing Measurement	m^3	0.12	0.12	0.12	0.12
Standard Accessories	—	Wall Mounting Bracket			

(*1) The refrigerant piping size may be required to change depending on the outdoor unit to be connected.
If ϕ12.7 pipe is used at the gas side, remove the flare adaptor at the indoor unit gas piping.
Then attach the flare nut (accessory) for pipe connection.

NOTES:

1. The nominal capacity is the combined capacity of the HITACHI standard SET-FREE system, and is based on the JIS standard B8616.

Cooling Operation Conditions
- Indoor Air Inlet Temperature: 27°C DB (80°F DB)
  - *1) 19.5°C WB (67°F WB)
  - *2) 19.0°C WB (66.2°F WB)
- Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

Heating Operation Conditions
- Indoor Air Inlet Temperature: 20°C DB (68°F DB)
- Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
  6°C WB (43°F WB)

Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
1 meter beneath the unit and 1 meter from inlet grille.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type		Wall Type		
Model		RPK-1.8FSNQS	RPK-2.0FSNQS	RPK-2.3FSNQS
Indoor Unit Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz		
Nominal Cooling Capacity *1)	kW	5.2	5.8	6.5
	kcal/h	4,500	5,000	5,600
	Btu/h	17,700	19,800	22,200
Nominal Cooling Capacity *2)	kW	5.0	5.6	6.3
	kcal/h	4,300	4,800	5,400
	Btu/h	17,000	19,100	21,500
Nominal Heating Capacity	kW	5.6	6.3	7.1
	kcal/h	4,800	5,400	6,100
	Btu/h	19,100	21,500	24,200
Sound Pressure Level (Overall A	dB	42-39-35	42-39-35	45-42-39
Cabinet Color	—	White		
Outer Dimensions				
Height	mm	290	290	290
	(in.)	(11-2/5)	(11-2/5)	(11-2/5)
Width	mm	1,050	1,050	1,050
	(in.)	(41-1/3)	(41-1/3)	(41-1/3)
Depth	mm	220	220	220
	(in.)	(8-2/3)	(8-2/3)	(8-2/3)
Net Weight	kg	13.5	13.5	13.5
	(lbs.)	(28)	(28)	(28)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)		
Indoor Fan				
Air Flow Rate	m^3/min.	12/10.3/8.7	12/10.3/8.7	13.7/12/10.3
(Hi/Me/Lo)	(cfm)	(424/364/307)	(424/364/307)	(484/424/364)
Connections		Flare-Nut Connection (with Flare Nuts)		
Refrigerant Piping				
Liquid Line	mm	ϕ6.35	ϕ6.35	ϕ6.35
	(in.)	(1/4)	(1/4)	(1/4)
Gas Line	mm	ϕ15.88	ϕ15.88	ϕ15.88
	(in.)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP16	VP16	VP16
Approximate Packin Measurement	m^3	0.15	0.15	0.15
Standard Accessories	—	Wall Mounting Bracket		

NOTES:

1. The nominal capacity is the combined capacity of the HITACHI standard SET-FREE system, and is based on the JIS standard B8616.

   Cooling Operation Conditions Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F
   Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1 meter beneath the unit and 1 meter from inlet grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type		Floor Concealed Type			
Model		RPFI-1.0FSNQ	RPFI-1.5FSNQ	RPFI-2.0FSNQ	RPFI-2.5FSNQ
Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling	kW	2.9	4.1	5.8	7.3
Capacity *1)	kcal/h	2,500	3,500	5,000	6,300
	Btu/h	9,900	14,000	19,800	24,900
Nominal Cooling	kW	2.8	4.3	5.6	7.1
Capacity *2)	kcal/h	2,400	3,700	4,800	6,100
	Btu/h	9,600	14,700	19,100	24,200
Nominal Heating	kW	3.3	4.9	6.5	8.5
Capacity	kcal/h	2,800	4,200	5,600	7,300
	Btu/h	11,300	16,700	22,200	29,000
Sound Pressure Level					
(Overall A Scale)	dB	37-34-31	40-38-35	42-38-36	45-43-40
Cabinet Color	—	--			
Outer Dimensions					
Height	mm	620	620	620	620
	(in.)	(24-7/16)	(24-7/16)	(24-7/16)	(24-7/16)
Width	mm	900	900	1170	1170
	(in.)	(35-2/5)	(35-2/5)	(46)	(46)
Depth	mm	202	202	202	202
	(in.)	(8)	(8)	(8)	(8)
Net Weight	kg	25	26	34	34
	(lbs.)	(55)	(57)	(68)	(68)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan					
Air Flow Rate	m^3/h	8.5/7/6	12/8/7	16/12.5/10.5	16/14/12
(Hi/Me/Lo)	(cfm)	(282/247/212)	(353/282/247)	(512/441/370)	(565/494/424)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping					
Liquid Line	mm	ϕ6.35	ϕ6.35	ϕ6.35	ϕ9.53
	(in.)	(1/4)	(1/4)	(1/4)	(3/8)
Gas Line	mm	ϕ12.7	ϕ12.7	ϕ15.88	ϕ15.88
	(in.)	(1/2)	(1/2)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate					
Packing Measurement	m^3	0.19	0.19	0.23	0.23

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hisense standard split system.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1 meter beneath the unit and 1 meter from inlet grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type		Ceiling & Floor Type			
Model		RPFC-1.8FSNQ	RPFC-2.0FSNQ	RPFC-2.3FSNQ	RPFC-2.5FSNQ
Power Supply		AC 1 , 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	5.2	5.8	6.5	7.3
	kcal/h	4,500	5,000	5,600	6,300
	Btu/h	17,700	19,800	22,200	24,900
Nominal Cooling Capacity *2)	kW	5.0	5.6	6.3	7.1
	kcal/h	4,300	4,800	5,400	6,100
	Btu/h	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	5.6	6.5	7.5	8.5
	kcal/h	4,800	5,600	6,500	7,300
	Btu/h	19,100	22,200	25,600	29,000
Sound Pressure Level (Ceiling Type) (Overall A Scale)	dB	39-35-30	39-35-30	45-41-37	45-41-37
Sound Pressure Level (Floor Type) (Overall A Scale)	dB	43-38-35	43-38-35	48-44-40	48-44-40
Outer Dimensions					
Height	mm	230	230	230	230
	(in.)	(9)	(9)	(9)	(9)
Width	mm	990	990	990	990
	(in.)	(39)	(39)	(39)	(39)
Depth	mm	680	680	680	680
	(in.)	(26-3/4)	(26-3/4)	(26-3/4)	(26-3/4)
Net Weight	kg	31	31	32	32
	(lbs.)	(68)	(68)	(70)	(70)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m^3/h	780/660/540	780/660/540	966/840/678	966/840/678
	(cfm)	(459/389/318)	(459/389/318)	(569/495/399)	(569/495/399)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Liquid Line	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	(in.)	(1/4)	(1/4)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	(in.)	(5/8)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.31	0.31	0.31	0.31

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system.

   Cooling Operation Conditions
   - Indoor Air Inlet Temperature: 27°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) / 6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.0 Meter Beneath the Unit. 1.0 Meter 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.

Indoor Unit Type		Ceiling & Floor Type			
Model		RPFC-3.0FSNQ	RPFC-3.3FSNQ	RPFC-4.0FSNQ	RPFC-5.0FSNQ
Power Supply		AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)	kW	8.7	9.3	11.6	14.5
	kcal/h	7,500	8,000	10,000	12,500
	Btu/h	29,700	31,700	39,600	49,500
Nominal Cooling Capacity *2)	kW	8.4	9.0	11.2	14.2
	kcal/h	7,200	7,700	9,600	12,200
	Btu/h	28,700	30,700	38,200	48,500
Nominal Heating Capacity	kW	9.6	10.0	13.0	16.3
	kcal/h	8,300	8,600	11,200	14,000
	Btu/h	32,800	34,100	44,400	55,600
Sound Pressure Level (Ceiling Type) (Overall A Scale)	dB	43-39-34	45-40-36	51-46-40	50-46-42
Sound Pressure Level (Floor Type) (Overall A Scale)	dB	46-41-37	48-43-39	54-49-43	55-50-46
Outer Dimensions					
Height	mm	230	230	230	230
	(in.)	(9)	(9)	(9)	(9)
Width	mm	1285	1285	1285	1580
	(in.)	(50-3/5)	(50-3/5)	(50-3/5)	(62-1/5)
Depth	mm	680	680	680	680
	(in.)	(26-3/4)	(26-3/4)	(26-3/4)	(26-3/4)
Net Weight	kg	39	40	41	47
	(lbs.)	(86)	(88)	(90)	(103)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan					
Air Flow Rate (Hi/Me/Lo)	m^3/h	1092/912/732	1164/978/798	1488/1230/978	1980/1680/1380
	(cfm)	(643/537/431)	(685/576/470)	(876/724/576)	(1166/989/812)
Connections		Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping					
Liquid Line	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	(in.)	(3/8)	(3/8)	(3/8)	(3/8)
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	(in.)	(5/8)	(5/8)	(5/8)	(5/8)
Condensate Drain	—	VP25	VP25	VP25	VP25
Approximate Packing Measurement	m^3	0.40	0.40	0.40	0.48

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system.

   Cooling Operation Conditions
   - Indoor Air Inlet Temperature: 27°C DB (80°F DB)
     - *1) 19.5°C WB (67°F WB)
     - *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

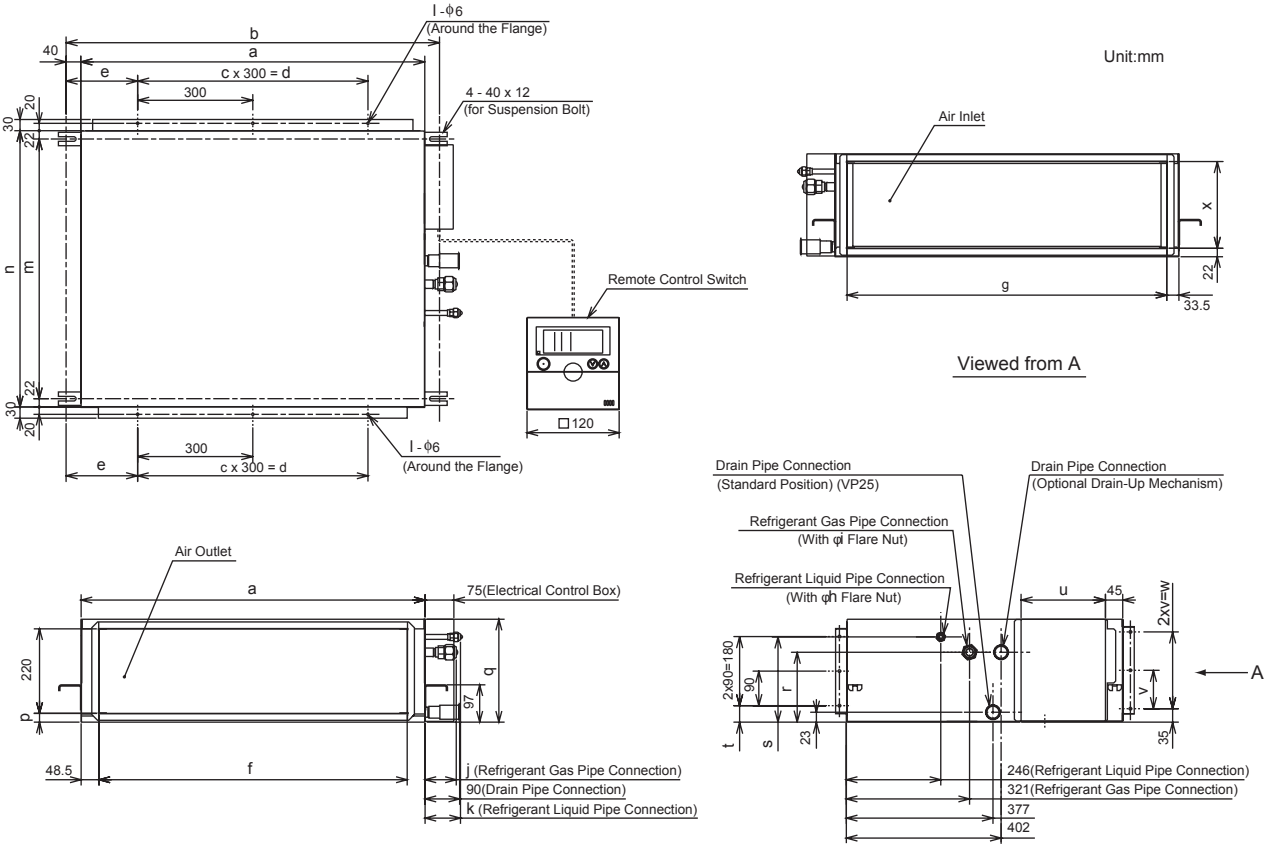
   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB) 6°C WB (43°F WB)
   - Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.0 Meter Beneath the Unit. 1.0 Meter 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.

3. Dimensional Data

■ In-the-Ceiling Type

Models: RPI- 0.8~6.0FSNQL and RPI- 0.8~6.0FSNQH

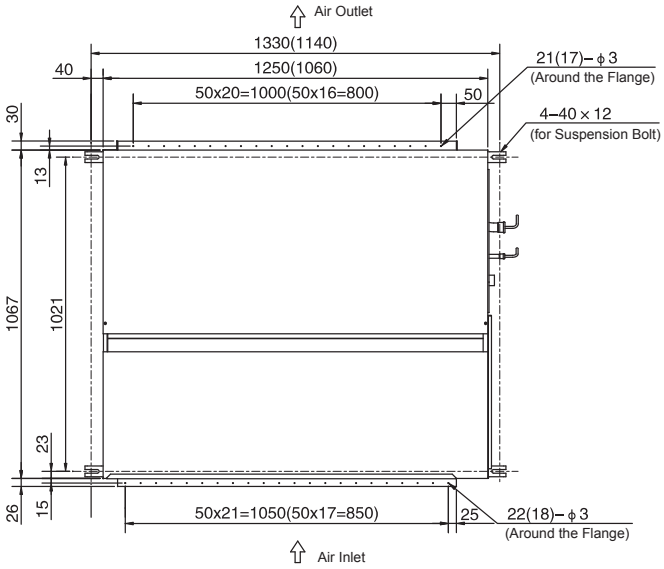


Model \ Dimension	a	b	c	d	e	f	g	h	i	j	k	l
0.8~1.5HP	650	730	1	300	215	553	583	6.35	12.7	70	92	10
1.8/2.0HP	900	980	2	600	190	803	833	6.35	15.88	77	92	12
2.3/2.5HP	900	980	2	600	190	803	833	9.53	15.88	77	95	12
3.0/3.3HP	900	980	2	600	190	803	833	9.53	15.88	78	95	12
4.0HP	900	980	2	600	190	803	833	9.53	15.88	81	95	12
5.0/6.0HP	1300	1380	3	900	240	1203	1233	9.53	15.88	81	95	14

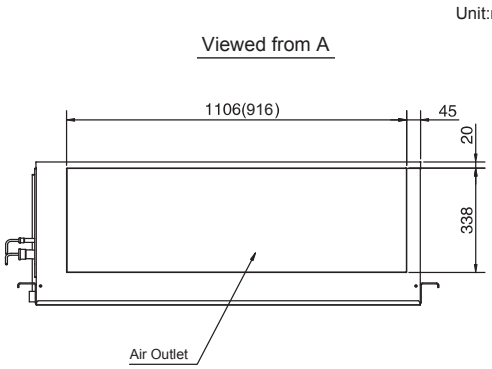
Model \ Dimension	m	n	p	q	r	s	t	u	v	w	x
0.8~2.5HP	676	720	23	270	182	222	43	220	100	200	226
3.0~6.0HP	756	800	103	350	204	244	123	300	140	280	306

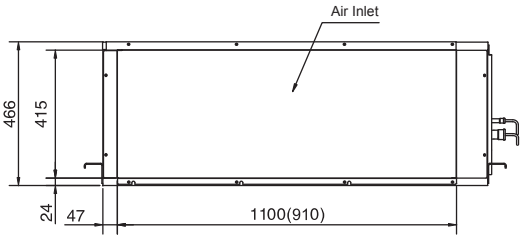
■ In-the Ceiling Type

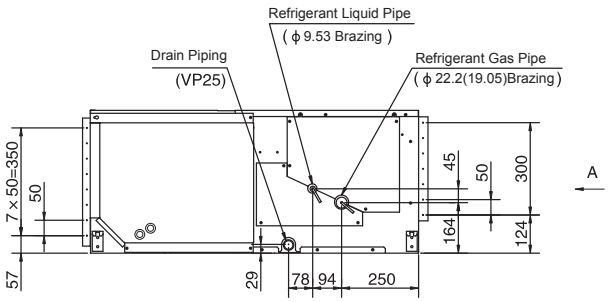
Models: RPI-8.0FSN(3)Q ， RPI-10.0FSN(3)Q，RPI-8.0FSNQH and RPI-10.0FSNQH



Unit:mm







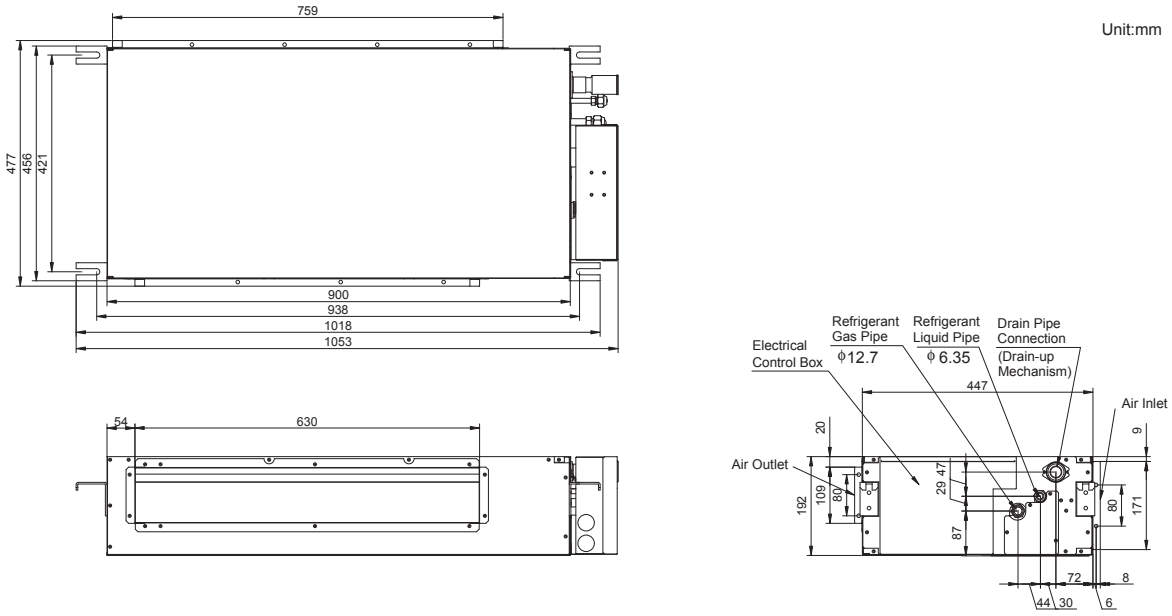
NOTES: Data in the bracket is for RPI-8.0FSN(3)Q.

Data of RPI-8.0FSNQH, RPI-10.0FSNQH and RPI-10.0FSN(3)Q is the same.

■ Low-Height in-the Ceiling Type

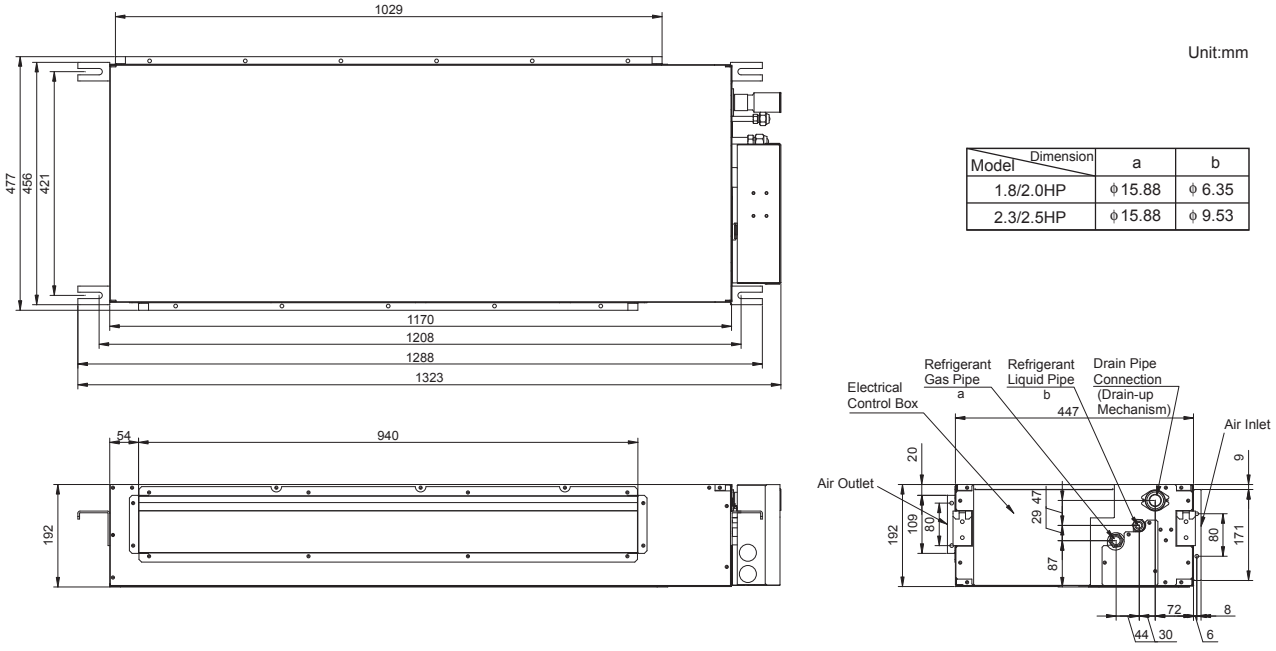
Models: RPIZ- 0.8~1.5FSN1Q

Unit:mm



Models: RPIZ-1.8~2.5FSN1Q

Unit:mm

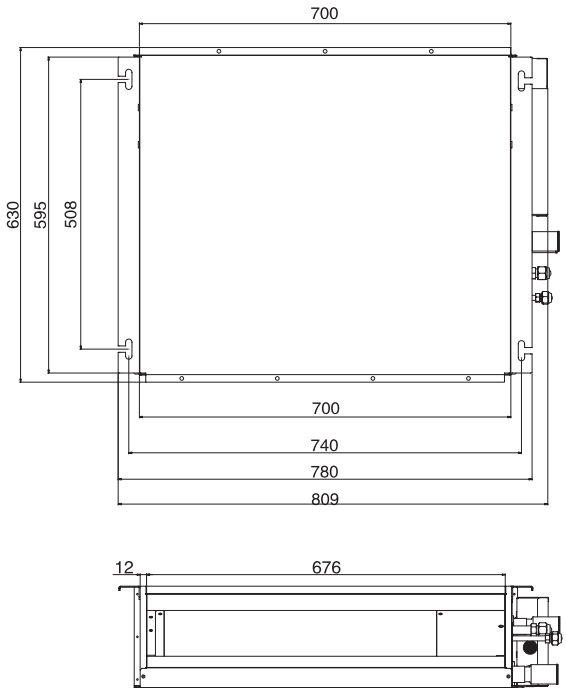


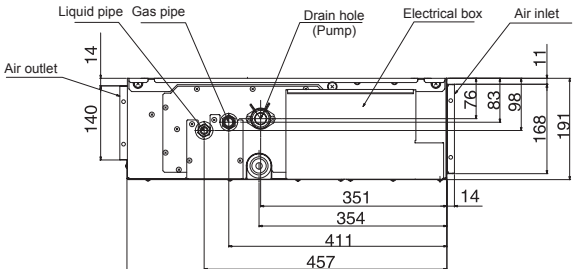
Model \ Dimension	a	b
1.8/2.0HP	ϕ15.88	ϕ 6.35
2.3/2.5HP	ϕ15.88	ϕ 9.53

■ Slim in-the Ceiling Type

Models: RPIZ- 0.8~1.5FSNQS

Unit:mm

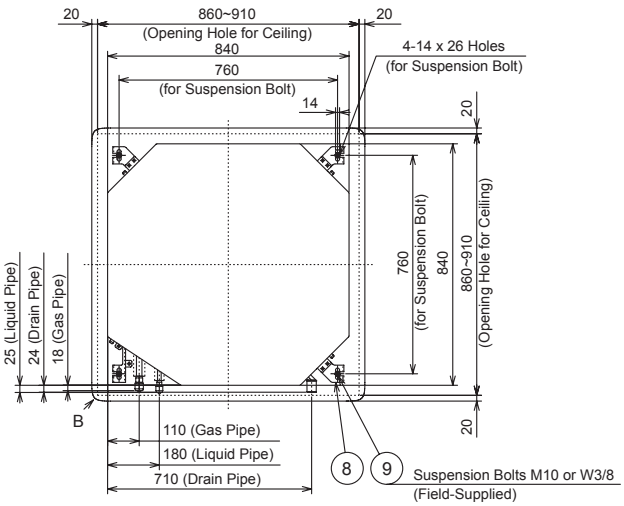




■ 4-Way Cassette Type

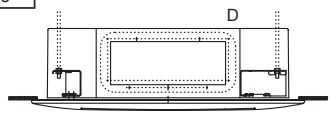
Models: RCI- 1.0~2.5FSN1Q with Air Panel P-N23NAQ

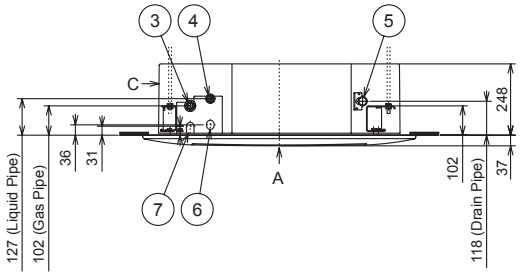
Unit: mm

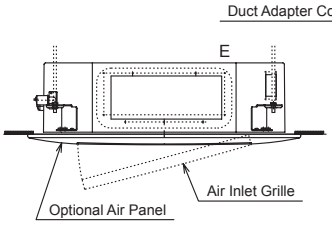


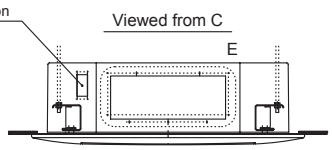
Mark	Name	Remark
1	Air Outlet	4-Way
2	Air Inlet	
3	Refrigerant Gas Pipe Connection	with ϕa Flare Nut
4	Refrigerant Liquid Pipe Connection	with ϕb Flare Nut
5	Drain Pipe Connection	VP25
6	Wiring Hole for Conduit Tube	ϕ32.5 Knockout Hole
7	Wiring Hole	30 x 39 Hole
8	Suspension Bracket	
9	Suspension Bolt	4-M10 or W3/8
10	Supply Duct Connection	150 x 385 Knockout Hole
11	Supply Duct Connection	150 x 400 Knockout Hole
12	Remote Control Switch (PC-AR)	without Cable
13	Shielded Twist-Pair Cable for PC-AR	Min. 0.75mm^2, Field-Supplied

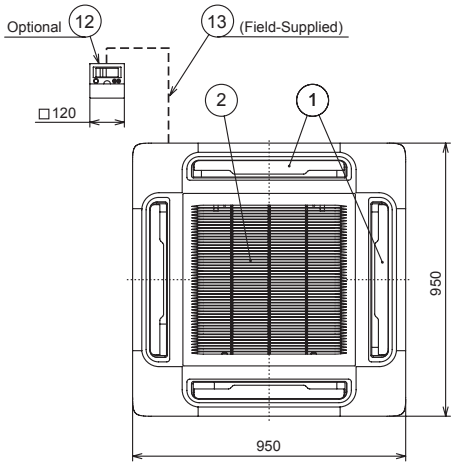
HP \ Dimension	a	b
1.0~1.5	12.7	6.35
1.8/2.0	15.88	6.35
2.3/2.5	15.88	9.53

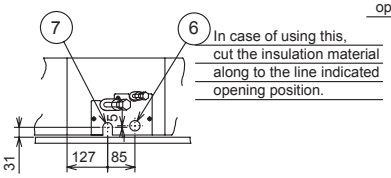


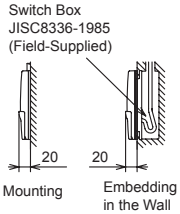




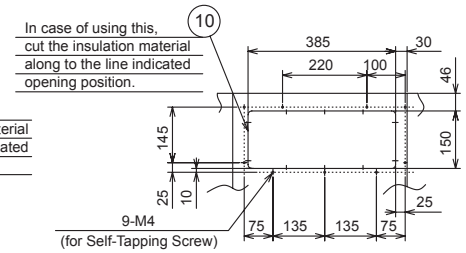




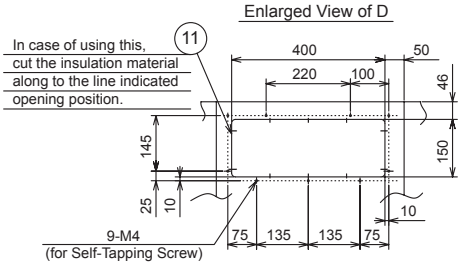




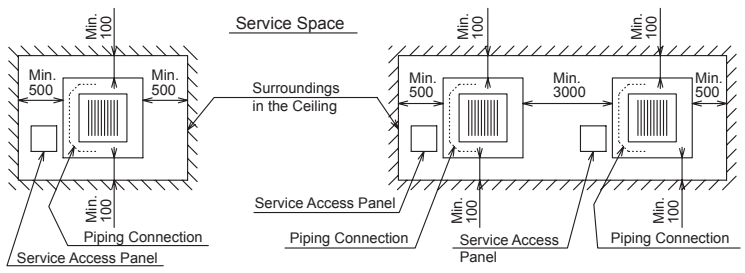
Mounting for Remote Control Switch (Optional)



Enlarged View of D



Enlarged View of E



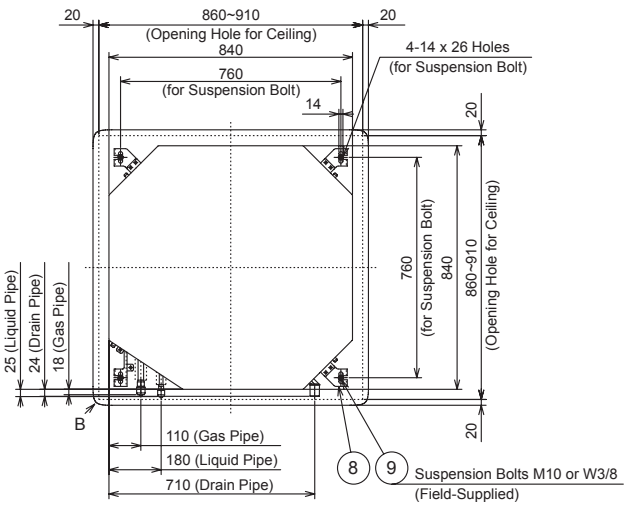
NOTE:

Distance between the wall and panel edge must be a min. 1500mm to prevent short circuiting.

■ 4-Way Cassette Type

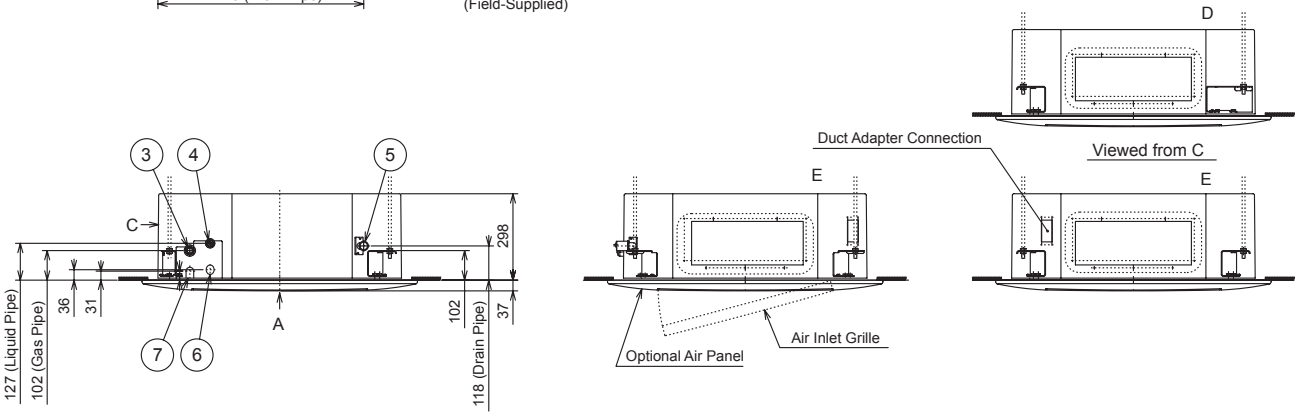
Models: RCI-3.0~6.0FSN1Q with Air Panel P-N23NAQ

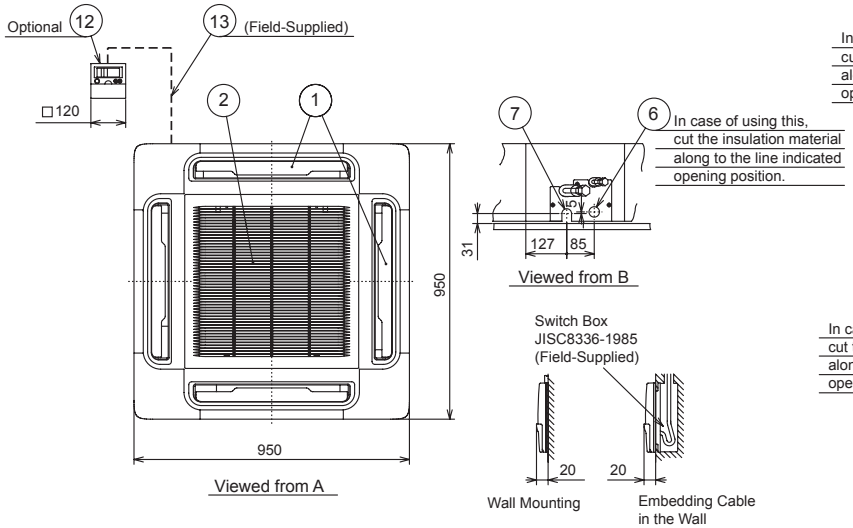
Unit: mm

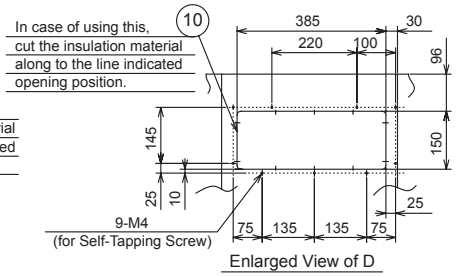


Mark	Name	Remark
1	Air Outlet	4-Way
2	Air Inlet	
3	Refrigerant Gas Pipe Connection	with ϕa Flare Nut
4	Refrigerant Liquid Pipe Connection	with ϕb Flare Nut
5	Drain Pipe Connection	VP25
6	Wiring Hole for Conduit Tube	ϕ32.5 Knockout Hole
7	Wiring Hole	30 x 39 Hole
8	Suspension Bracket	
9	Suspension Bolt	4-M10 or W3/8
10	Supply Duct Connection	150 x 385 Knockout Hole
11	Supply Duct Connection	150 x 400 Knockout Hole
12	Remote Control Switch (PC-AR)	without Cable
13	Shielded Twist-Pair Cable for PC-AR	Min. 0.75mm^2, Field-Supplied

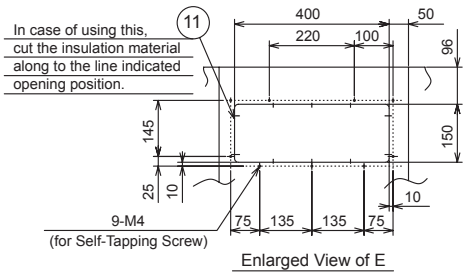
HP \ Dimension	a	b
3.0/3.3	15.88	9.53
4.0	15.88	9.53
5.0/6.0	15.88	9.53

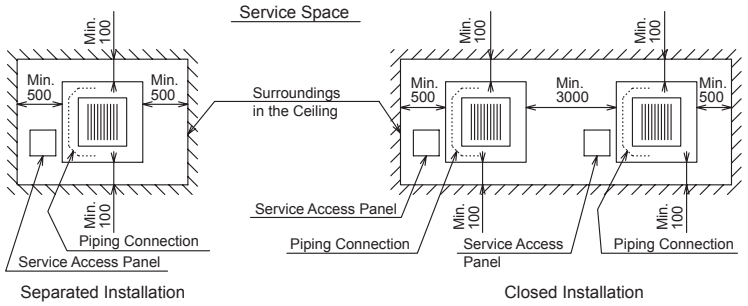






Mounting for Remote Control Switch (Optional)

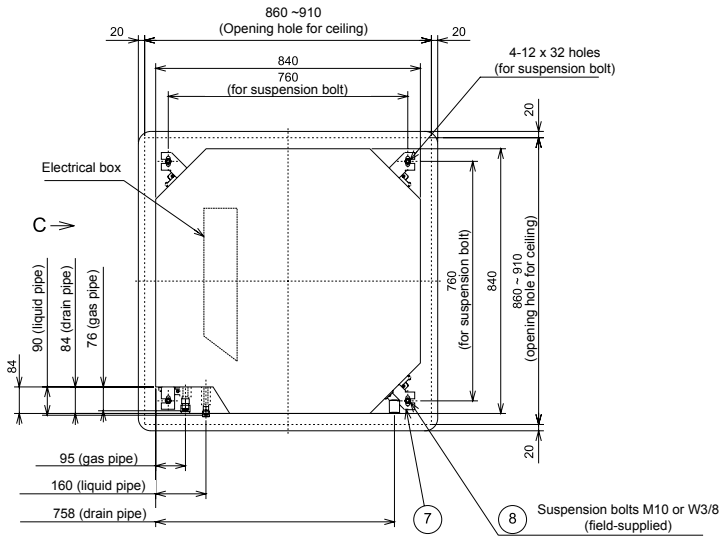


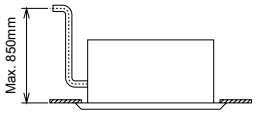


NOTE:

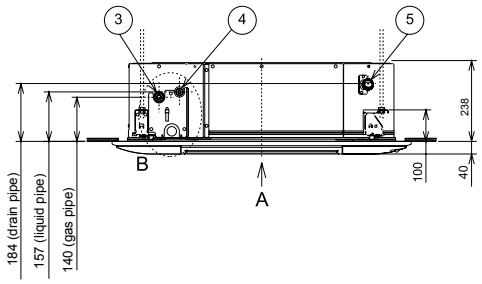
Distance between the wall and panel edge must be a min. 1500mm to prevent short circuiting.

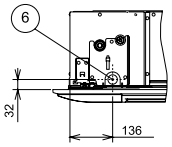
Model: RCI-1.0~2.5FSKDNQ with panel P-N23NA2



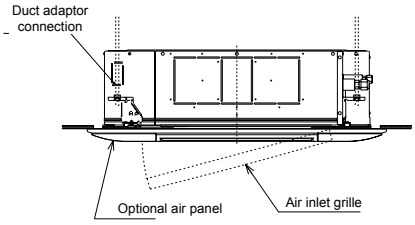


Lifting drain piping

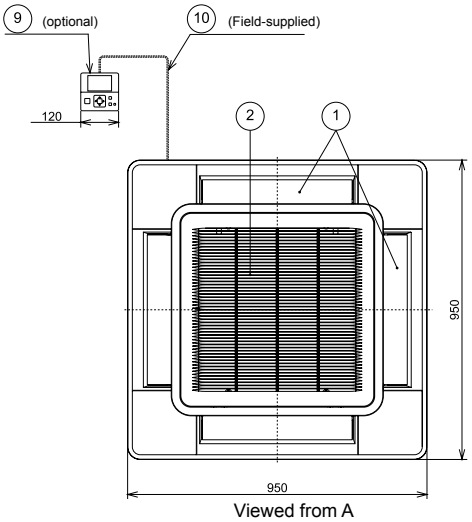




Viewed from B



Viewed from C



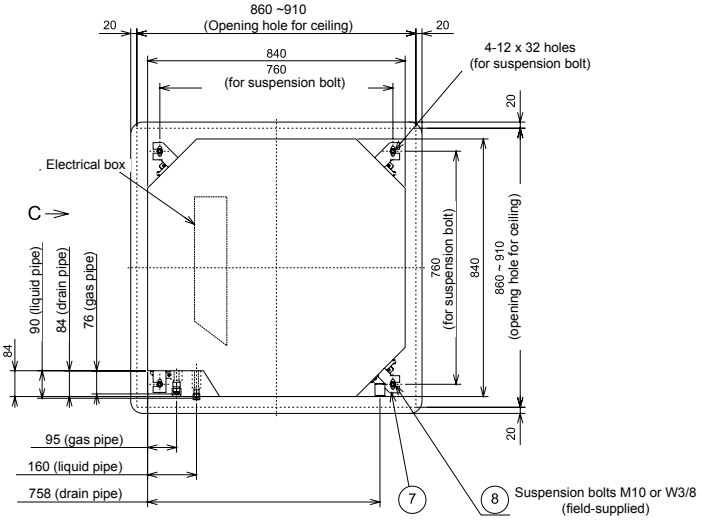
Viewed from A

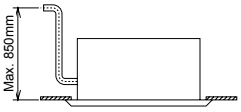
Nº	Description	Remarks
1	Air outlet	4-way
2	Air inlet	
3	Refrigerant connection (gas)	Flare nut. (1.0/1.5): ø12.7, (2.0/2.5):ø15,88
4	Refrigerant connection (liquid)	Flare nut. (1.0/1.5/2.5): ø6.35, (2.5):ø9.52
5	Drain connection	ø32 (VP25)
6	Wiring hole	Die cut hole ø30
7	Unit suspension bracket	(4x) M10 or W3/8
8	Unit suspension bolt	(4x) M10 or W3/8
9	Remote Control Switch	Optional (recommended PC-ARF1)
10	Shielded Twist-Pair Cable	For Remote Control Switch

NOTE

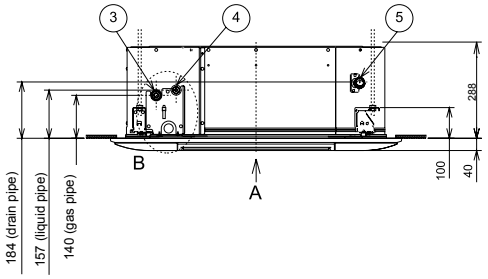
Distance between the wall and panel edge must be min. 1500mm to prevent short circuiting of the air flow.

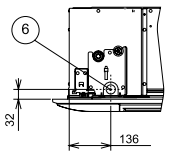
Model: RCI-3.0~6.0FSKDNQ with panel P-N23NA2



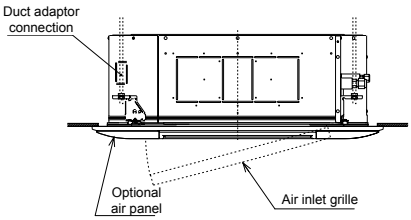


Lifting drain piping

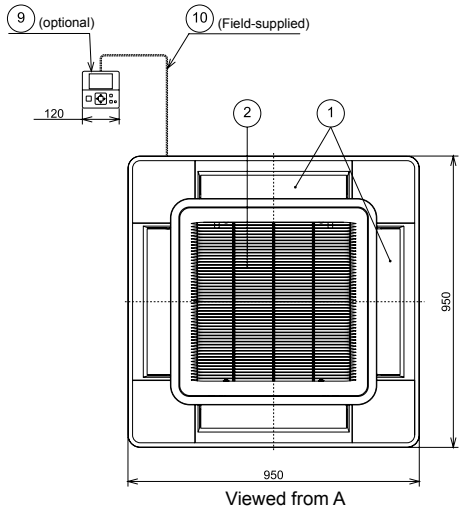




Viewed from B



Viewed from C



Viewed from A

Nº	Description	Remarks
1	Air outlet	4-way
2	Air inlet	
3	Refrigerant connection (gas)	Flare nut. ø15,88
4	Refrigerant connection (liquid)	Flare nut. ø9.52
5	Drain connection	ø32 (VP25)
6	Wiring hole	Die cut hole. ø30
7	Unit suspension bracket	(4x) M10 or W3/8
8	Unit suspension bolt	(4x) M10 or W3/8
9	Remote Control Switch	Optional (recommended PC-ARF1)
10	Shielded Twist-Pair Cable	For Remote Control Switch

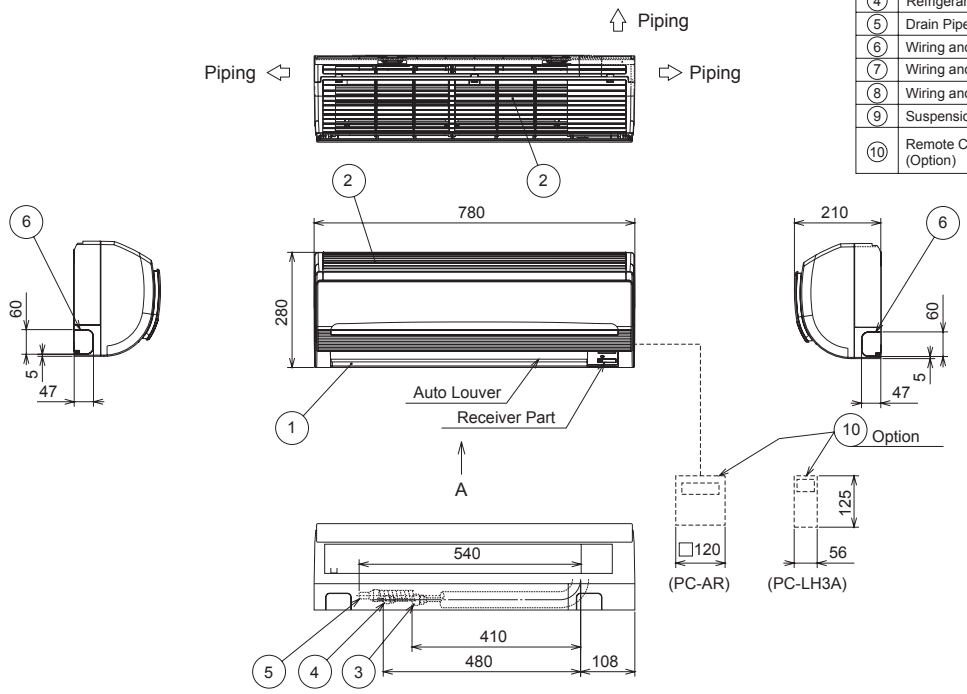
NOTE

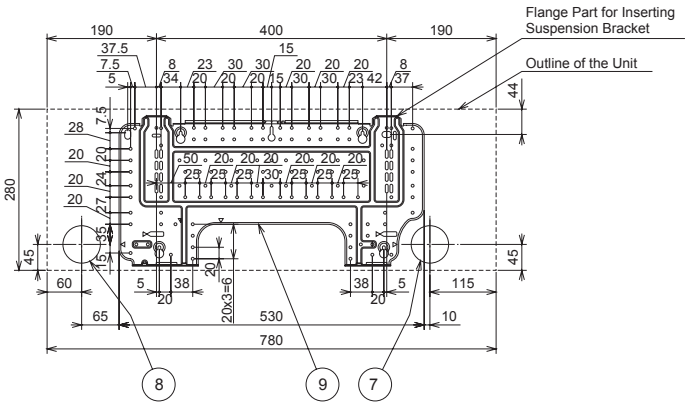
Distance between the wall and panel edge must be min. 1500mm to prevent short circuiting of the air flow.

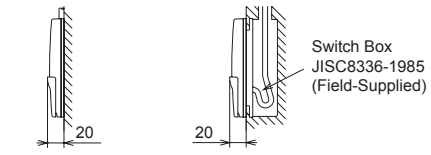
■ Wall Type

Models: RPK-0.8~1.5FSNQS

Mark	Name		Remark
①	Air Outlet		
②	Air Inlet		
③	Refrigerant Gas Pipe Connection		with φ12.7 Flare Nut
④	Refrigerant Liquid Pipe Connection		with φ6.35 Flare Nut
⑤	Drain Pipe Connection		VP16
⑥	Wiring and Piping Hole		Knockout Hole
⑦	Wiring and Piping Hole		φ65 Knockout Hole
⑧	Wiring and Piping Hole		φ65 Knockout Hole
⑨	Suspension Bracket		
⑩	Remote Control Switch (Option)	Wired	PC-AR, PC-ARQ
		Wireless	PC-LH3A

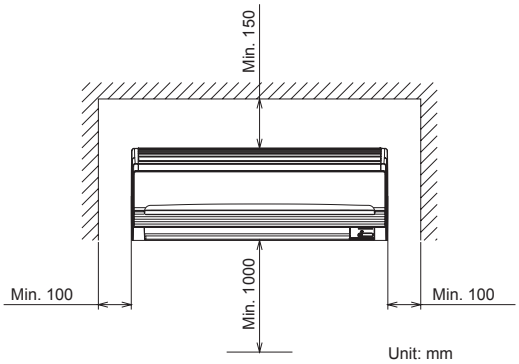






Mounting for Remote Control Switch (Option)

(In case of using PC-AR)



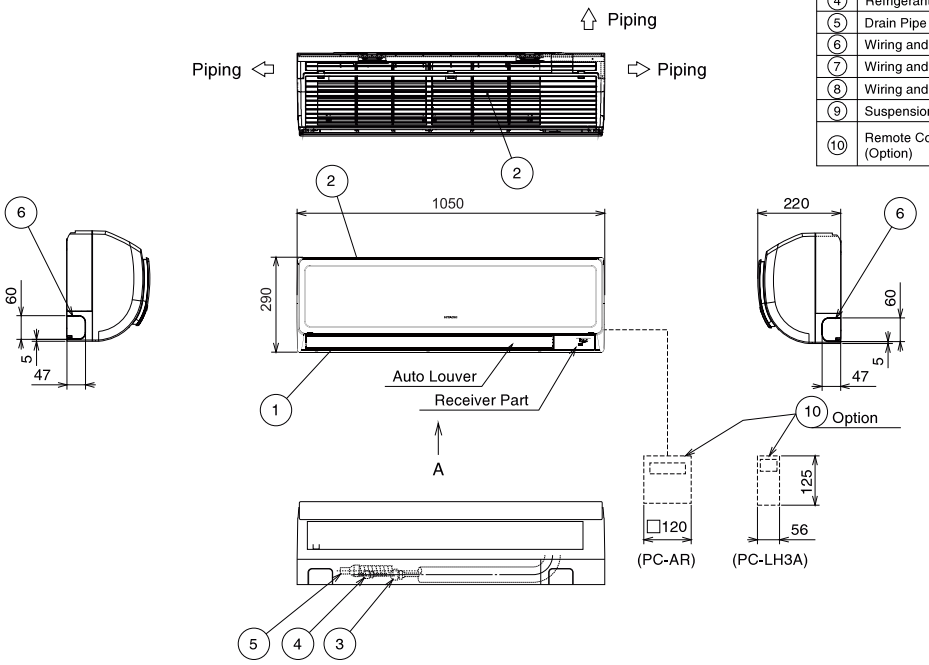
Service Space

■ Wall Type

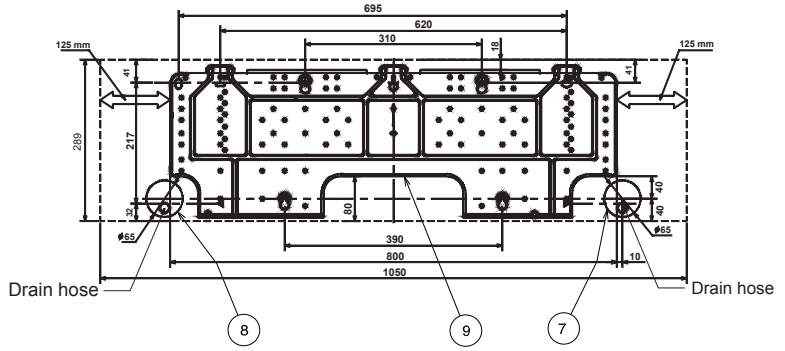
Models: RPK-1.8~2.3FSNQS

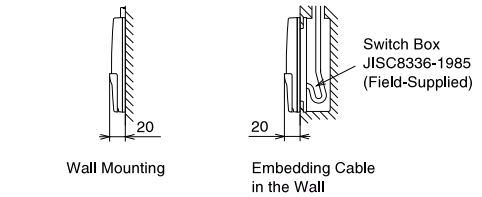
Unit: mm

Mark	Name		Remark
①	Air Outlet		
②	Air Inlet		
③	Refrigerant Gas Pipe Connection		with ϕ12.7 Flare Nut
④	Refrigerant Liquid Pipe Connection		with ϕ6.35 Flare Nut
⑤	Drain Pipe Connection		VP16
⑥	Wiring and Piping Hole		Knockout Hole
⑦	Wiring and Piping Hole		ϕ65 Knockout Hole
⑧	Wiring and Piping Hole		ϕ65 Knockout Hole
⑨	Suspension Bracket		
⑩	Remote Control Switch (Option)	Wired	PC-AR, PC-ARQ
		Wireless	PC-LH3A



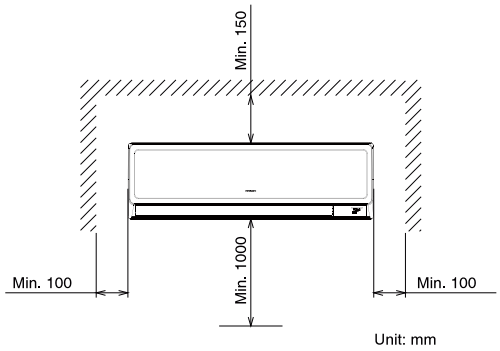
Viewed from A





Mounting for Remote Control Switch (Option)

(In case of using PC-AR)

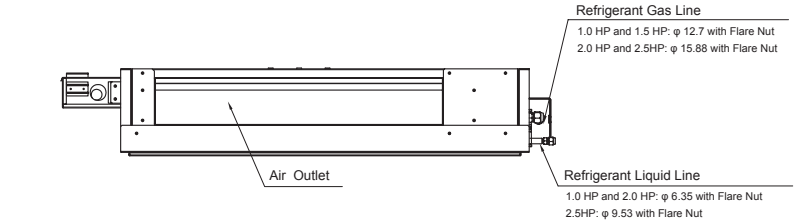


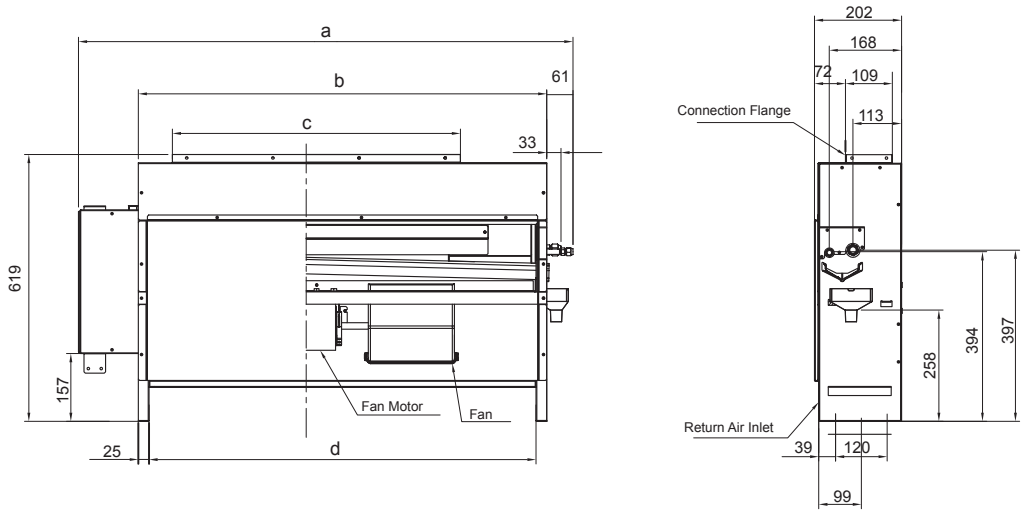
Unit: mm

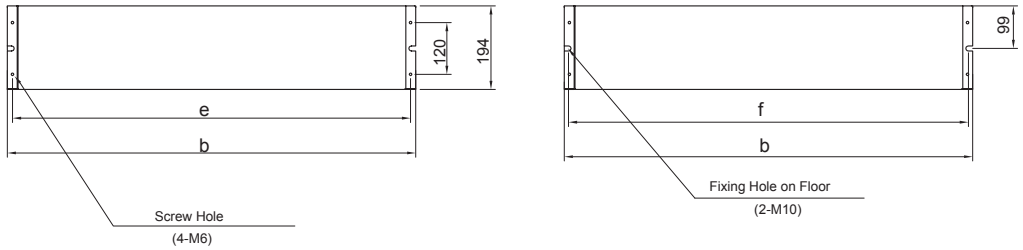
Service Space

■ Floor Concealed Type

Models: RPFI-1.0~2.5FSNQ







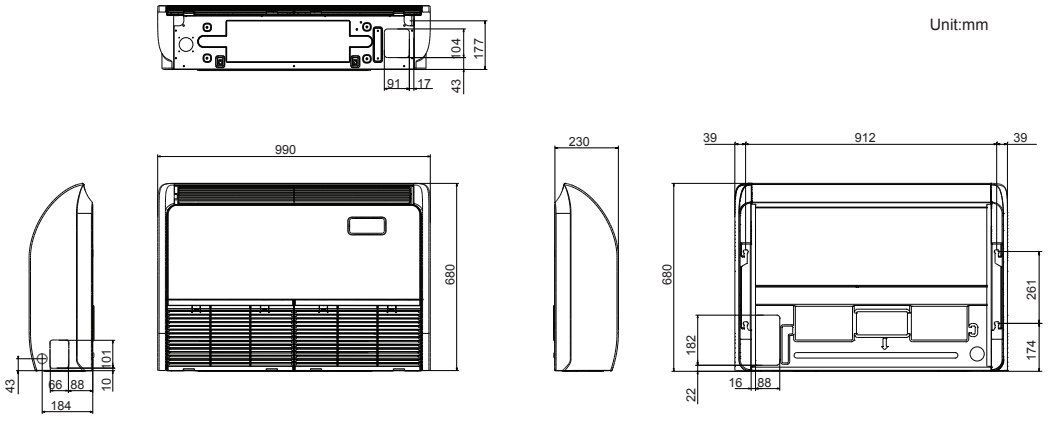
Unit : mm

Model \ Dimension	a	b	c	d	e	f
RPFI-1.0FSNQ	1154	948	669	898	924	928
RPFI-1.5FSNQ	1154	948	669	898	924	928
RPFI-2.0FSNQ	1424	1218	939	1168	1194	1198
RPFI-2.5FSNQ	1424	1218	939	1168	1194	1198

■ Ceiling & Floor Type

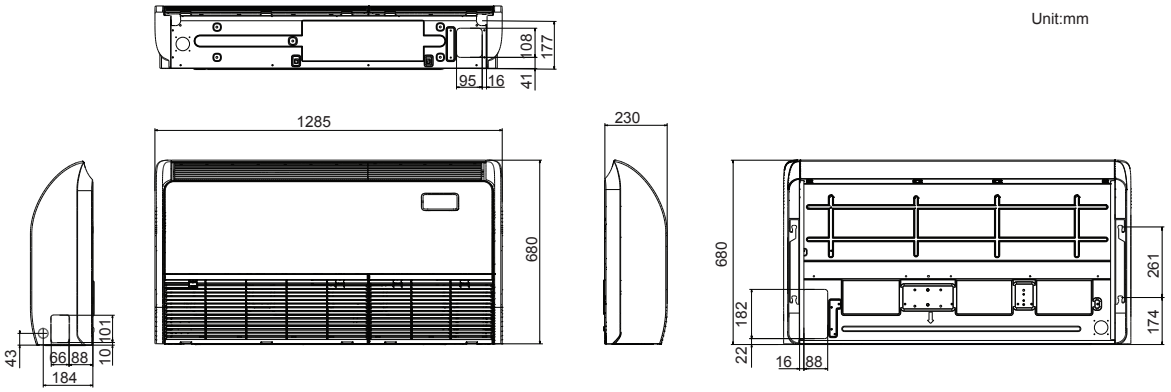
Models: RPFC-1.8~2.5FSNQ

Unit:mm



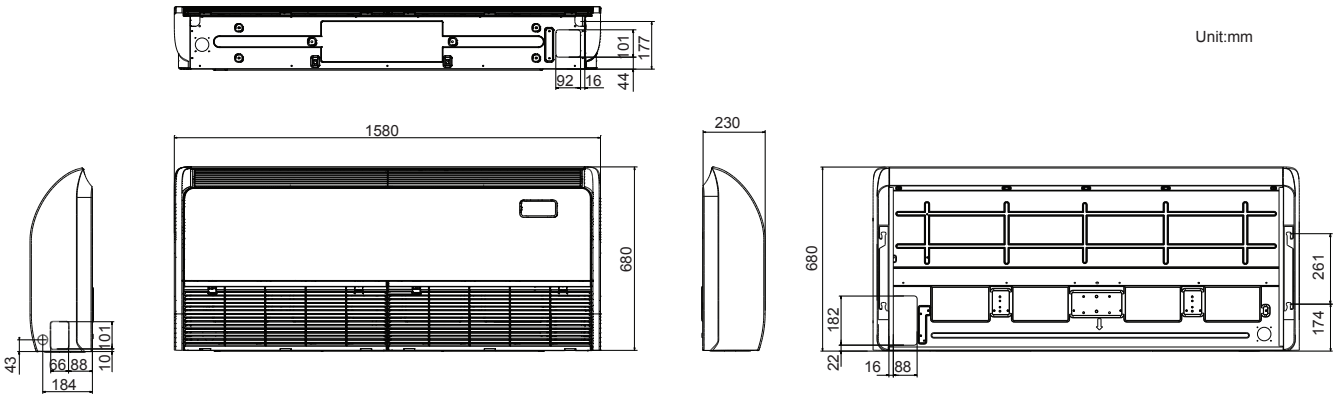
Models: RPFC-3.0~4.0FSNQ

Unit:mm



Models: RPFC-5.0FSNQ

Unit:mm

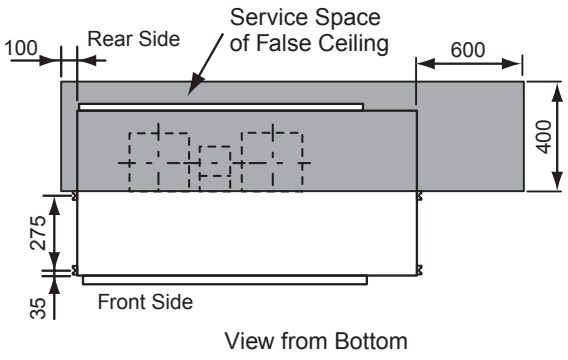


4. Selection Data

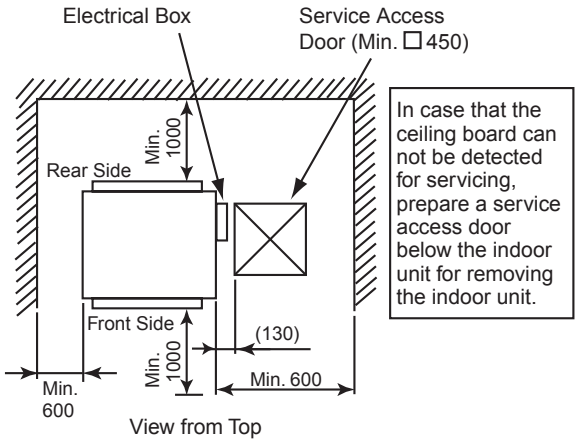
4.1 Operation Space

■ In-the-Ceiling Type

Models: RPI-0.8~6.0FSNQL/H,



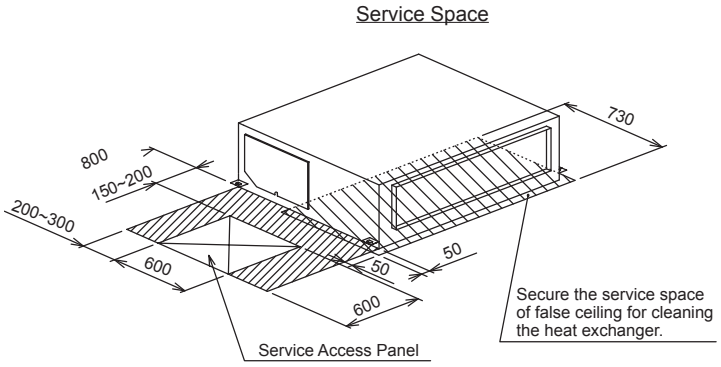
View from Bottom

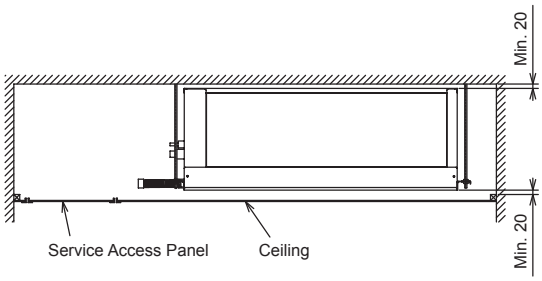


In case that the ceiling board can not be detected for servicing, prepare a service access door below the indoor unit for removing the indoor unit.

View from Top

Models: RPI-8.0/10.0FSN(3)Q and RPI-8.0/10.0FSNQH

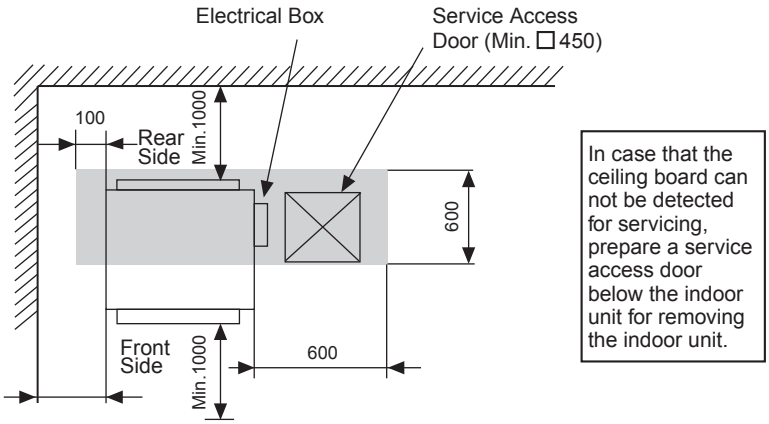




* Prepare the Service Access Panel for service.
* In case that the ceiling board is not be detachable for servicing, prepare a service access panel below the indoor unit for removing the indoor unit.

■ Low-Height In-the-Ceiling Type

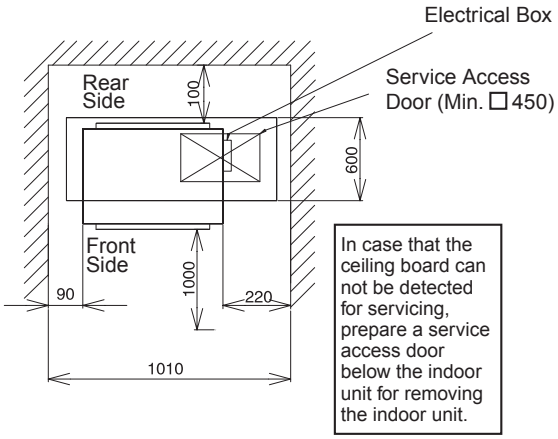
Models: RPIZ-0.8~2.5FSN1Q



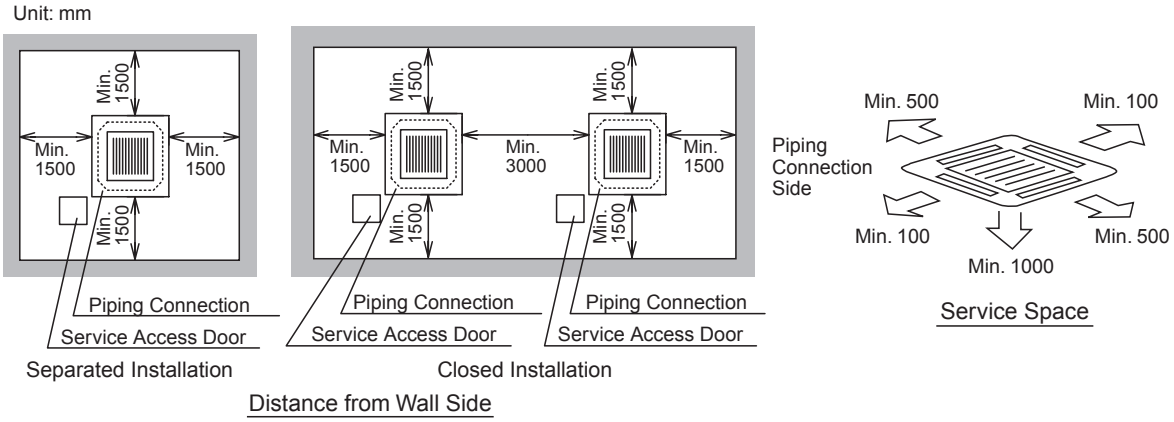
In case that the ceiling board can not be detected for servicing, prepare a service access door below the indoor unit for removing the indoor unit.

View from Top

■ Slim In-the-Ceiling Type
Models: RPIZ-0.8~1.5FSNQS

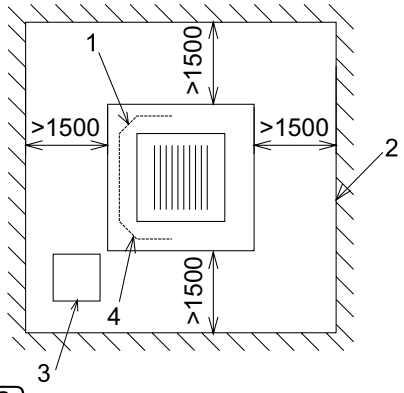


■ 4-Way Cassette Type
Models: RCI-1.0~6.0FSN1Q

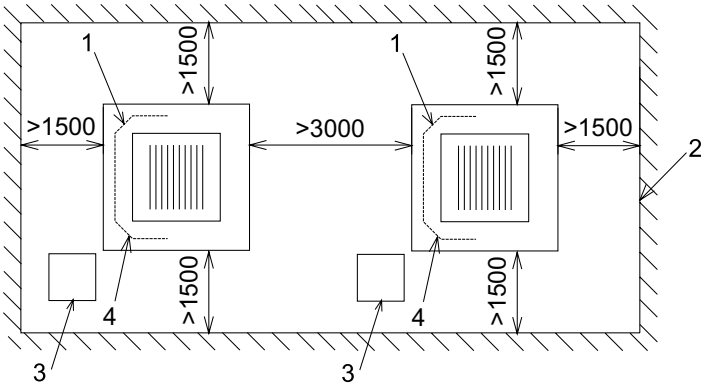


Models: RCI-1.0~6.0FSKDNQ

Single installation



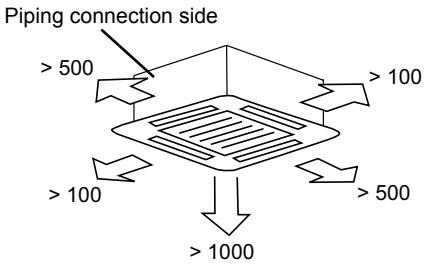
Combined installation

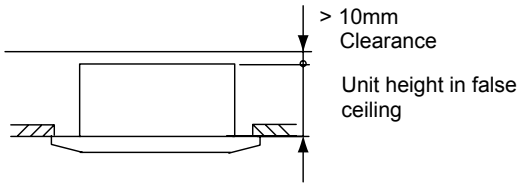


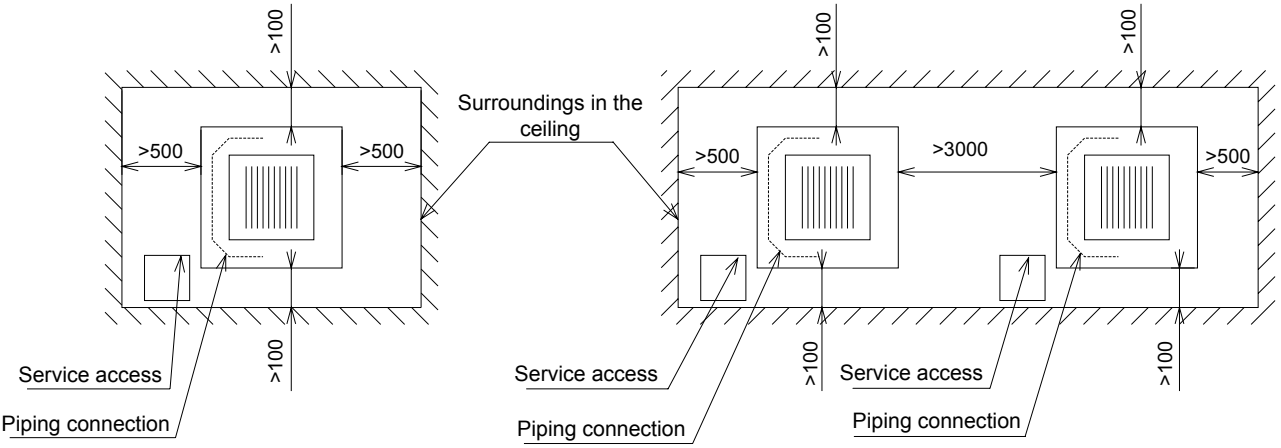
NOTE

- *1. Drain piping connection.*
- *2. Walls close to the unit.*
- *3. Service access door for unit inspection and maintenance access.*
- *4. Piping connection.*

◆ Service space





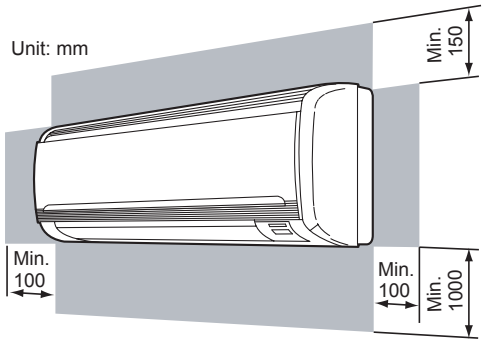


NOTE

All measurements are in mm.

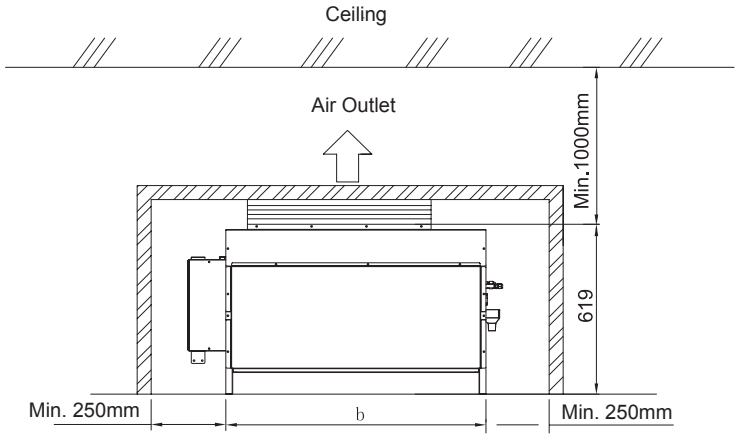
■ Wall Type

Models: RPK-0.8~2.3FSNQS



■ Floor Concealed Type

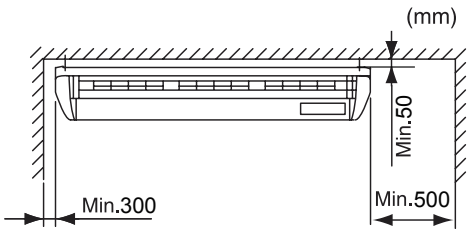
Models: RPFI-1.0~2.5FSNQ

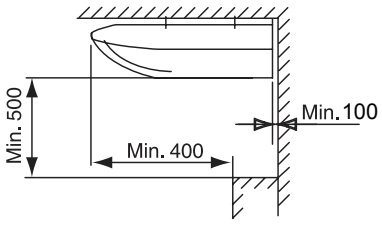


Model \ Dimension	b
RPFI-1.0FSNQ	948
RPFI-1.5FSNQ	948
RPFI-2.0FSNQ	1218
RPFI-2.5FSNQ	1218

■ Ceiling & Floor Type

Models: RPFC-1.8~5.0FSNQ





4.2 Selection Guide

(1) Meaning of Model Name of Indoor Unit

Example: RCI - 1.5 FSN1Q

- FSN1Q: SET-FREE FSN1Q Series
- 1.5: Horsepower
- RCI: Unit Type

In-the-Ceiling Type	RPI
Low-Height In-the-Ceiling Type	RPIZ
Slim In-the-Ceiling Type	RPIZ
4-Way Cassette Type	RCI
Wall Type	RPK
Floor Concealed Type	RPFI
Ceiling&Floor Type	RPFC

NOTES:
Select the indoor units and outdoor unit so as the total indoor horsepower is near to the outdoor horsepower.

(2) Nominal Capacity of Indoor Units

Horsepower(HP) / Capacity		0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
Cooling Capacity	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200
Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000

Horsepower(HP) / Capacity		3.0	3.3	4.0	5.0	6.0	8.0	10.0
Cooling Capacity	kW	8.4	9.0	11.2	14.2	16.0	22.4	28.0
	kcal/h	7,200	7,700	9,600	12,200	13,800	19,300	24,100
	Btu/h	28,700	30,700	38,200	48,500	54,600	76,500	95,600
Heating Capacity	kW	9.6	10.0	13.0	16.3	18.0	25.0	31.5
	kcal/h	8,300	8,600	11,200	14,000	15,500	21,500	27,100
	Btu/h	32,800	34,100	44,400	55,600	61,400	85,300	107,500

(3) Selecting Matching Indoor Units and Nominal Capacity

Select In-the-Ceiling Type Indoor Units (Example)

Item		Room (1)	Room (2)	Room (3)	(1)+(2)+(3)	Outdoor Unit
Selected Model		RPI-1.5FSNQL	RPI-2.0FSNQL	RPI-2.5FSNQL	-	RAS-5FSVN1Q
Nominal Cooling Capacity	kW	4.3	5.6	7.1	17.0	14.0
	kcal/h	3,700	4,800	6,100	14,600	12,000
Nominal Heating Capacity	kW	4.9	6.5	8.5	19.9	16.0
	kcal/h	4,200	5,600	7,300	17,100	13,800

(4) Actual Capacity

In the case of the example, the total indoor horsepower is 6.0HP (=1.5HP+2.0HP+2.5HP). Therefore, the outdoor unit capacity at the nominal temperature which is selected from the “Capacity Characteristic Curve” is 14.3kW (12,300kcal/h) at the cooling operation, 18.0kW (15,480kcal/h) at the heating operation under nominal conditions.

1. Actual Capacity of Outdoor Unit

Maximum Actual Capacity of Outdoor Unit

= [Outdoor Unit Capacity at Nominal Temperature
×Correction Factor According to Total Indoor Unit Capacity]
×Correction Factor According to Piping Length and Lift
×Correction Factor According to Temperature Condition

Refer to the Correction Factor in Technical Catalog of outdoor unit

<Example>.

Cooling: [14.3kW (12,300kcal/h)] × 0.85 × 1.02 = 12.40kW (10,665kcal/h)
Heating: [18.0kW (15,480kcal/h)] × 0.92 × 0.94 = 15.57kW (13,390kcal/h)

2. Actual Capacity of Each Indoor Unit

Actual Capacity of Each Indoor Unit

= Actual Capacity of Outdoor Unit
×[Each Indoor Unit's Horsepower
÷ Summation of Each Indoor Unit Horsepower]

ex.

<RPI-1.5FSNQL>
Cooling Capacity: 12.40×(1.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=3.10kW (2,665kcal/h)
Heating Capacity: 15.57×(1.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=3.89kW (3,345kcal/h)
<RPI-2.0FSNQL>
Cooling Capacity: 12.40×(2.0[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=4.13kW (3,550kcal/h)
Heating Capacity: 15.57×(2.0[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=5.19kW (4,465kcal/h)
<RPI-2.5FSNQL>
Cooling Capacity: 12.40×(2.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=5.17kW (4,445kcal/h)
Heating Capacity: 15.57×(2.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=6.49kW (5,580kcal/h)

< Result >

Item			Room (1)	Room (2)	Room (3)	(1)+(2)+(3)
Selected Model			RPI-1.0FSNQL	RPI-2.0FSNQL	RPI-2.5FSNQL	-
Actual Capacity	Actual Maximum Cooling Capacity	kW	3.10	4.13	5.17	12.40
		kcal/h	2,665	3,550	4,445	10,660
	Actual Maximum Heating Capacity	kW	3.89	5.19	6.49	15.57
		kcal/h	3,345	4,465	5,580	13,390
Design Load	Estimated Cooling Load	kW	3.04	4.14	5.25	12.43
		kcal/h	2,615	3,560	4,515	10,690
	Estimated Heating Load	kW	3.27	4.67	5.90	13.84
		kcal/h	2,810	4,015	5,075	11,900

4.3 Sensible Heat Factor (SHF)

The sensible heat factor of indoor units at each fan speed (Hi, Me, Lo) based on the JIS Standard B8616, is given in the below.

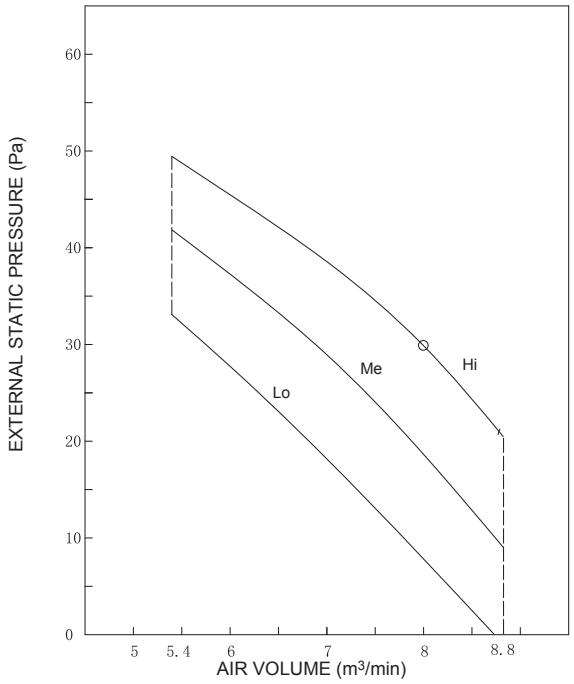
Indoor Unit Model	SHF		
	Hi	Me	Lo
RPI-0.8FSNQL/H	0.81	0.69	0.68
RPI-1.0FSNQL/H	0.81	0.69	0.68
RPI-1.3FSNQL/H	0.73	0.69	0.65
RPI-1.5FSNQL/H	0.73	0.69	0.65
RPI-1.8FSNQL/H	0.75	0.71	0.68
RPI-2.0FSNQL/H	0.74	0.70	0.67
RPI-2.3FSNQL/H	0.71	0.69	0.67
RPI-2.5FSNQL/H	0.70	0.68	0.66
RPI-3.0FSNQL/H	0.70	0.68	0.66
RPI-3.3FSNQL/H	0.70	0.68	0.66
RPI-4.0FSNQL/H	0.72	0.69	0.62
RPI-5.0FSNQL/H	0.71	0.68	0.62
RPI-6.0FSNQL/H	0.70	0.68	0.63
RPI-8.0FSN(3)Q	0.80	–	–
RPI-10.0FSN(3)Q	0.82	–	–
RPI-8.0FSNQH	0.80	–	–
RPI-10.0FSNQH	0.82	–	–
RPIZ-0.8FSN1Q	0.81	0.69	0.68
RPIZ-1.0FSN1Q	0.81	0.69	0.68
RPIZ-1.3FSN1Q	0.75	0.71	0.67
RPIZ-1.5FSN1Q	0.75	0.71	0.67
RPIZ-1.8FSN1Q	0.70	0.70	0.67
RPIZ-2.0FSN1Q	0.70	0.70	0.67
RPIZ-2.3FSN1Q	0.68	0.68	0.66
RPIZ-2.5FSN1Q	0.68	0.68	0.66
RPIZ-0.8FSNQS	0.82	0.72	0.70
RPIZ-1.0FSNQS	0.81	0.69	0.68
RPIZ-1.3FSNQS	0.77	0.72	0.68
RPIZ-1.5FSNQS	0.75	0.71	0.67
RCI-1.0FSN1Q	0.80	0.77	0.75
RCI-1.3FSN1Q	0.78	0.76	0.74
RCI-1.5FSN1Q	0.77	0.75	0.73
RCI-1.8FSN1Q	0.79	0.77	0.76
RCI-2.0FSN1Q	0.78	0.76	0.75
RCI-2.3FSN1Q	0.74	0.72	0.70
RCI-2.5FSN1Q	0.73	0.71	0.69
RCI-3.0FSN1Q	0.79	0.76	0.72
RCI-3.3FSN1Q	0.79	0.76	0.72
RCI-4.0FSN1Q	0.78	0.75	0.72
RCI-5.0FSN1Q	0.74	0.70	0.68
RCI-6.0FSN1Q	0.73	0.69	0.67
RCI-1.0FSKDNQ	0.85(0.86)*	0.81	0.80
RCI-1.5FSKDNQ	0.83(0.89)*	0.80	0.71
RCI-2.0FSKDNQ	0.78(0.89)*	0.71	0.67
RCI-2.5FSKDNQ	0.81(0.87)*	0.73	0.67
RCI-3.0FSKDNQ	0.76(0.81)*	0.67	0.64
RCI-4.0FSKDNQ	0.71(0.77)*	0.68	0.65
RCI-5.0FSKDNQ	0.69(0.72)*	0.65	0.62
RCI-6.0FSKDNQ	0.68(0.69)*	0.64	0.61

*: HIGH(H)

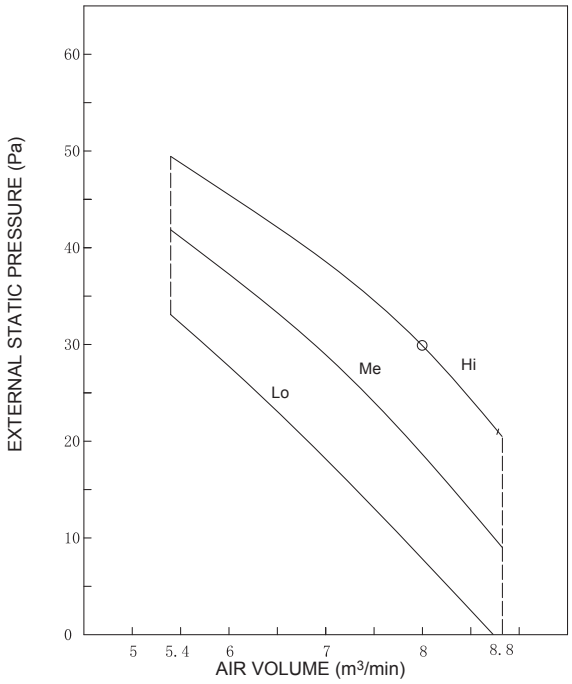
Indoor Unit Model	SHF		
	Hi	Me	Lo
RPK-0.8FSNQS	0.78	0.74	0.71
RPK-1.0FSNQS	0.78	0.74	0.71
RPK-1.3FSNQS	0.78	0.74	0.71
RPK-1.5FSNQS	0.73	0.72	0.70
RPK-1.8FSNQS	0.69	0.68	0.67
RPK-2.0FSNQS	0.69	0.68	0.67
RPK-2.3FSNQS	0.70	0.69	0.68
RPFI-1.0FSNQ	0.73	0.69	0.65
RPFI-1.5FSNQ	0.73	0.69	0.65
RPFI-2.0FSNQ	0.73	0.69	0.65
RPFI-2.5FSNQ	0.73	0.69	0.65
RPFC-1.8FSNQ	0.71	0.68	0.64
RPFC-2.0FSNQ	0.71	0.68	0.64
RPFC-2.3FSNQ	0.73	0.69	0.66
RPFC-2.5FSNQ	0.73	0.69	0.66
RPFC-3.0FSNQ	0.74	0.69	0.65
RPFC-3.3FSNQ	0.76	0.71	0.68
RPFC-4.0FSNQ	0.75	0.70	0.66
RPFC-5.0FSNQ	0.76	0.72	0.69

4.4 Fan Performance

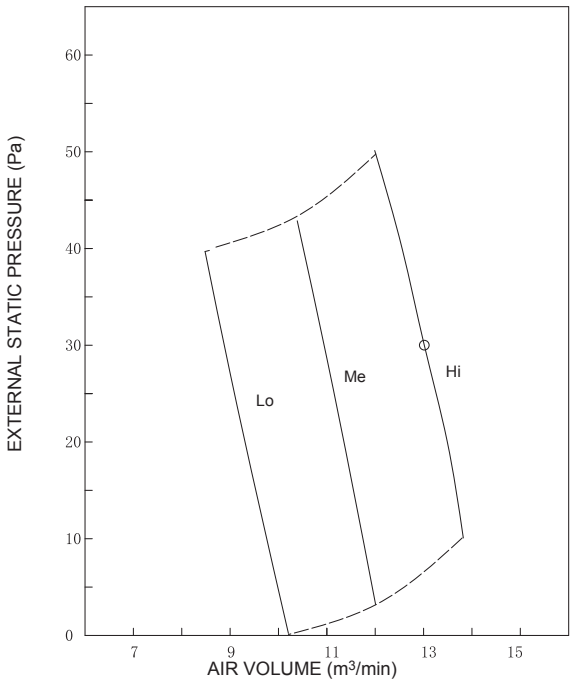
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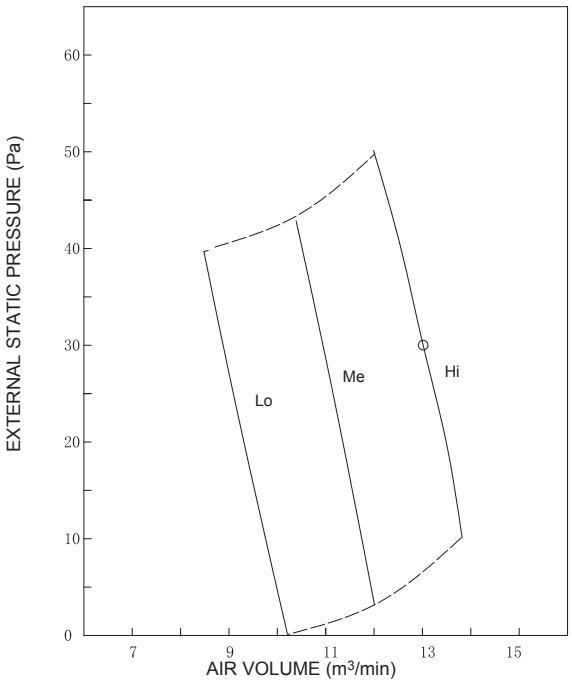
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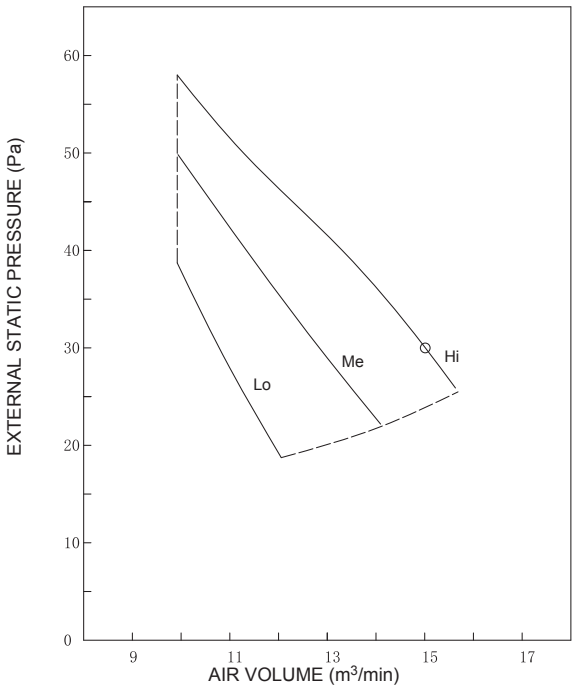
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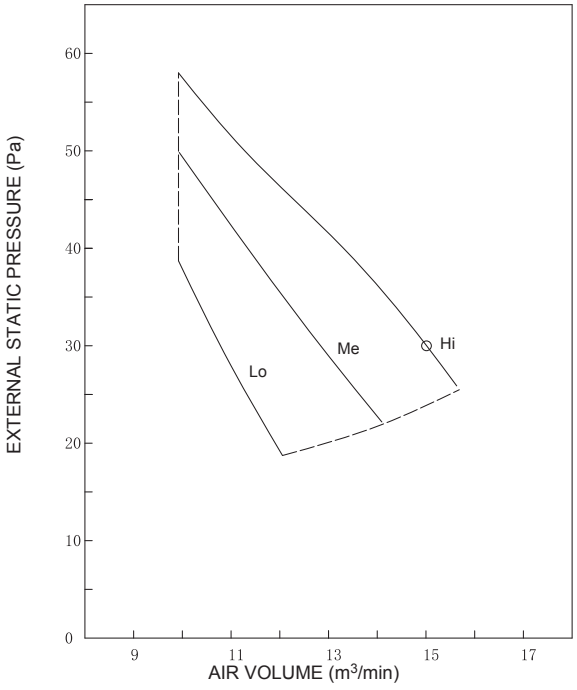
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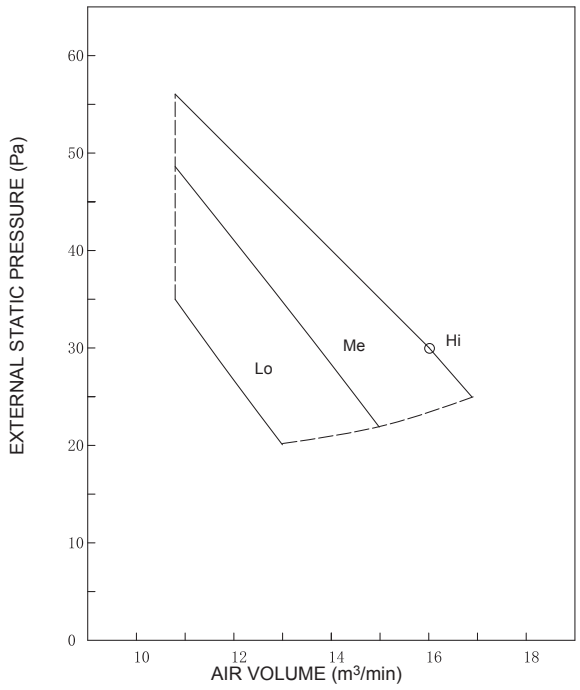
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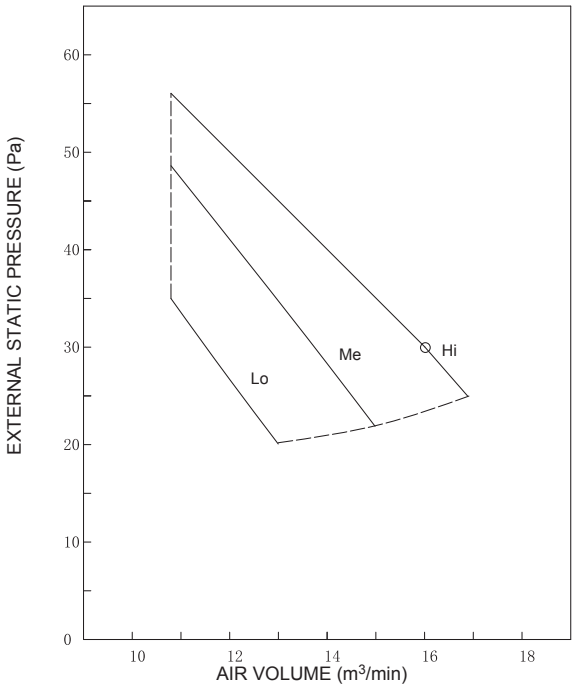
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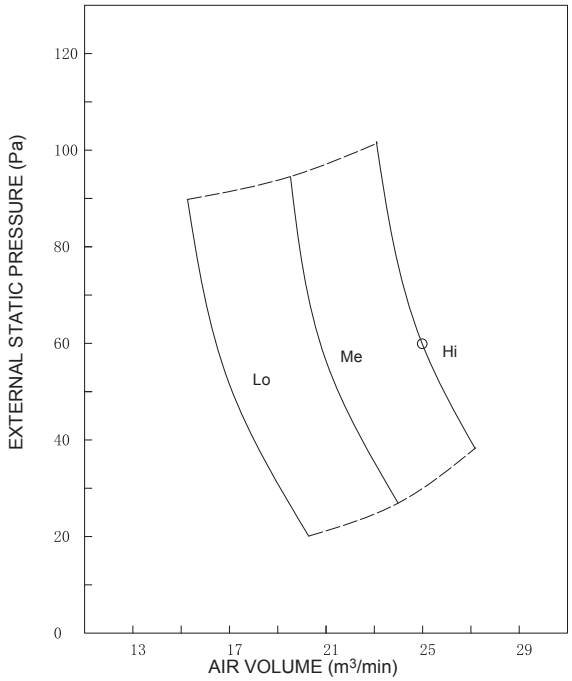
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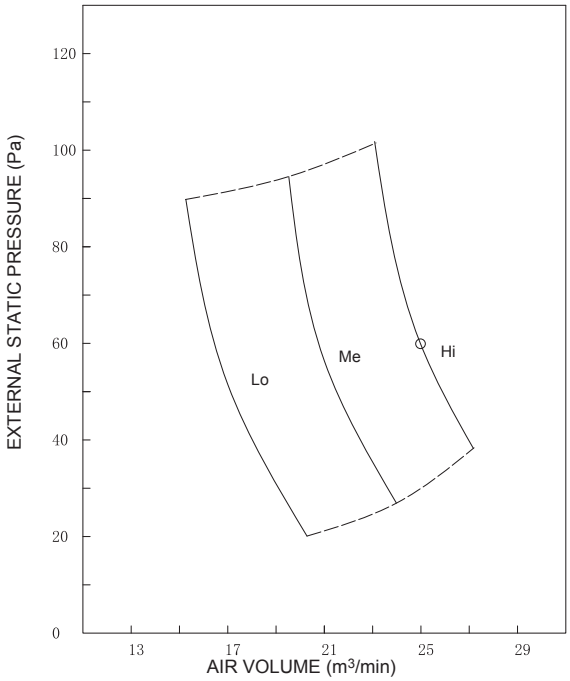
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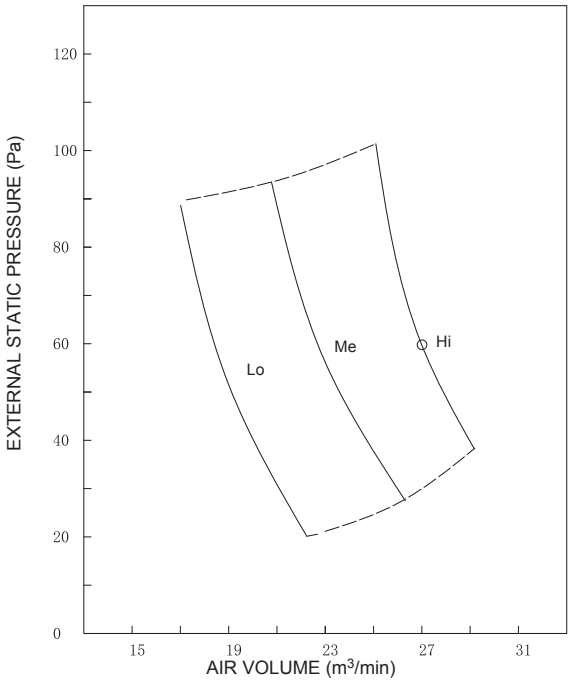
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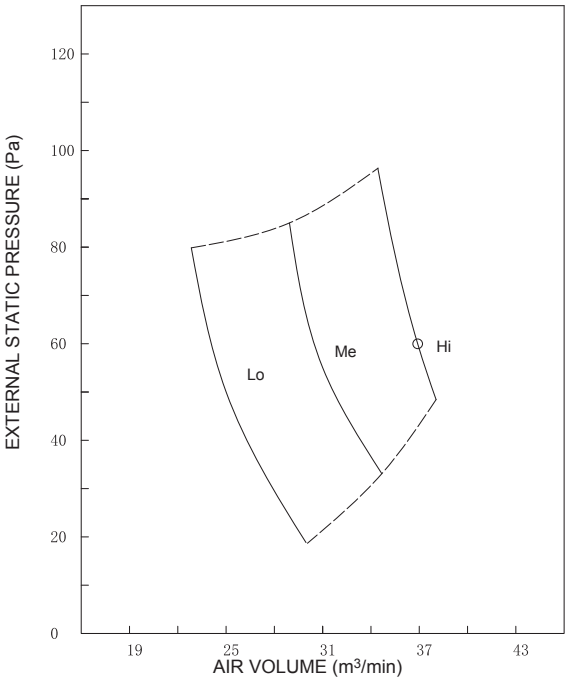
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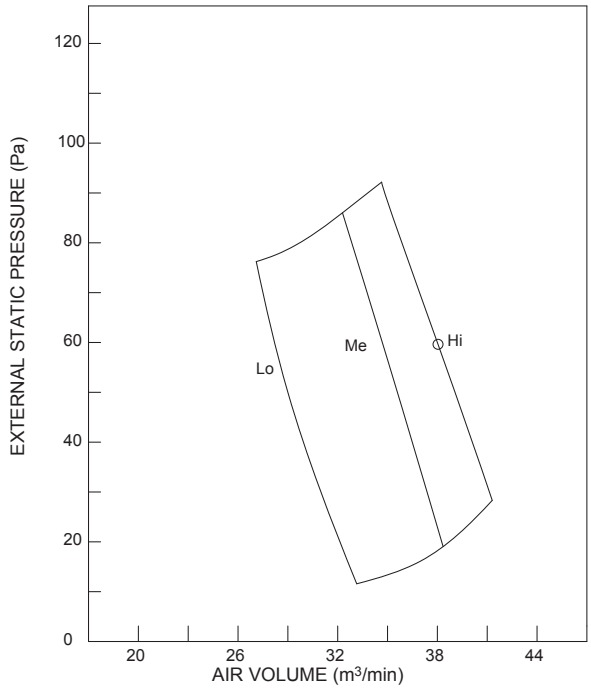
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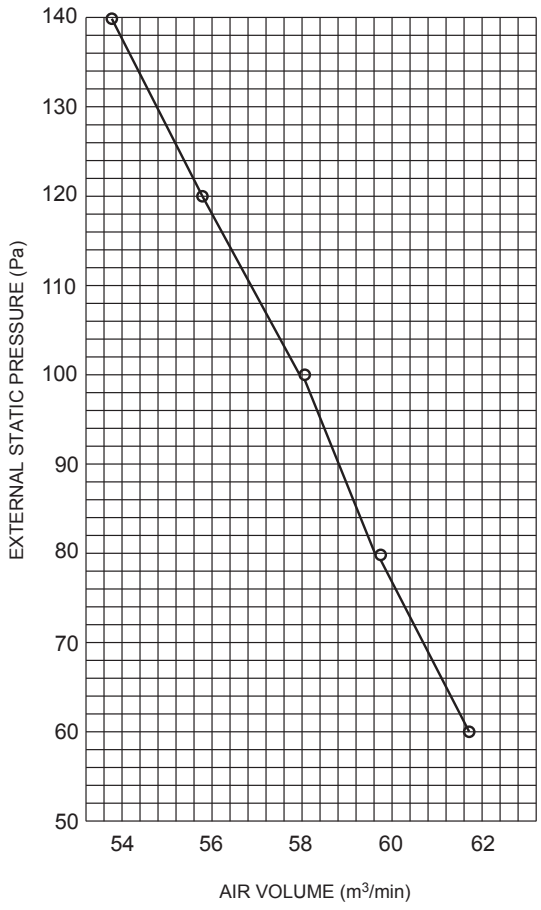
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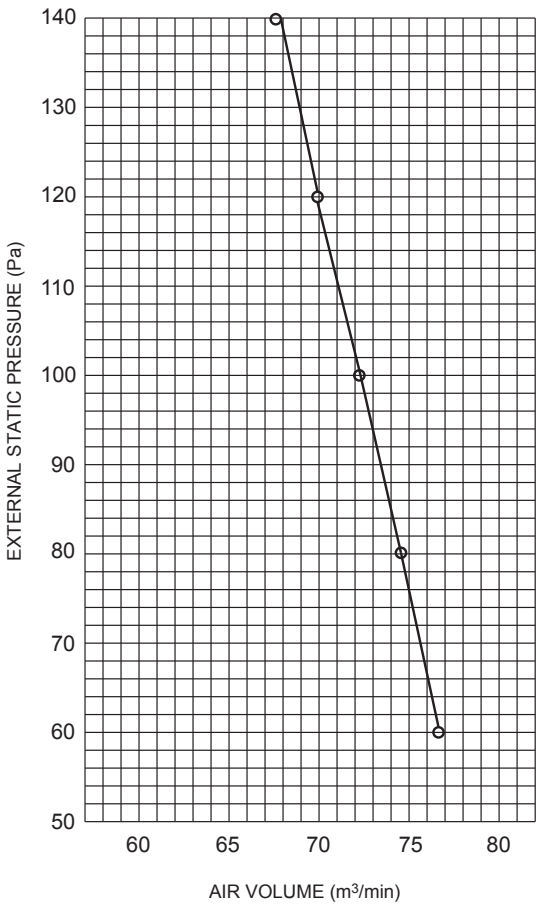
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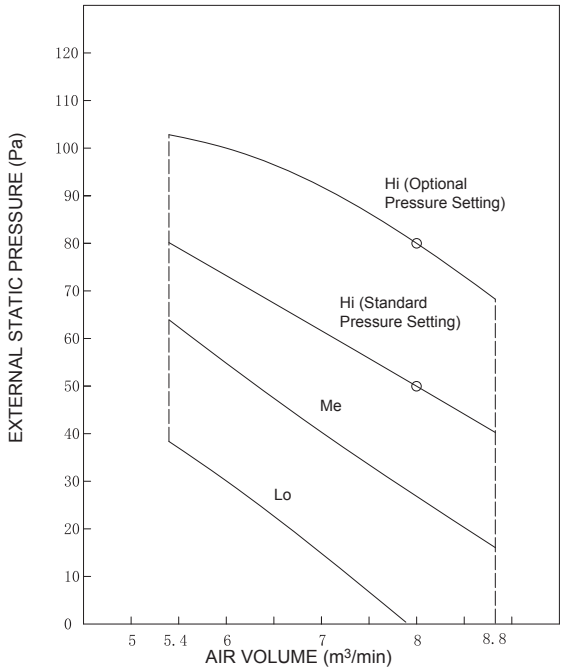
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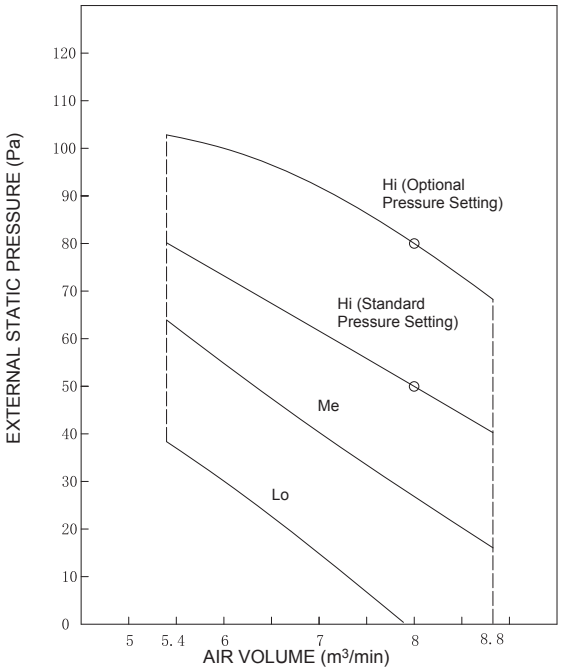
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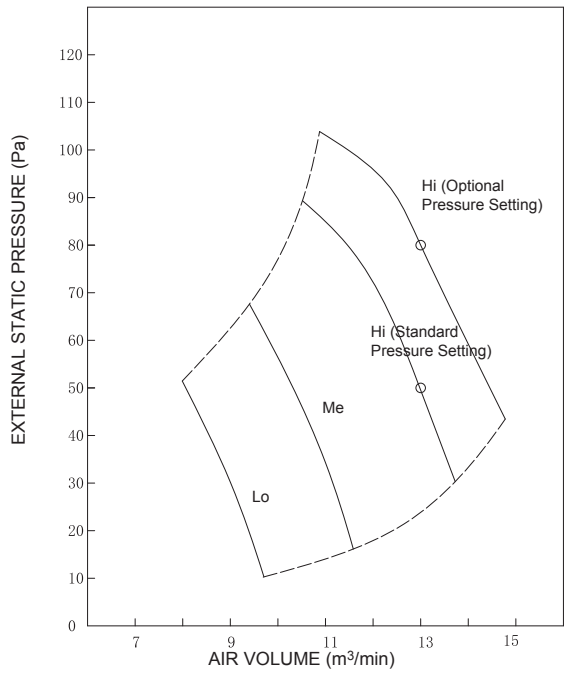
RPI-0.8FSNQH



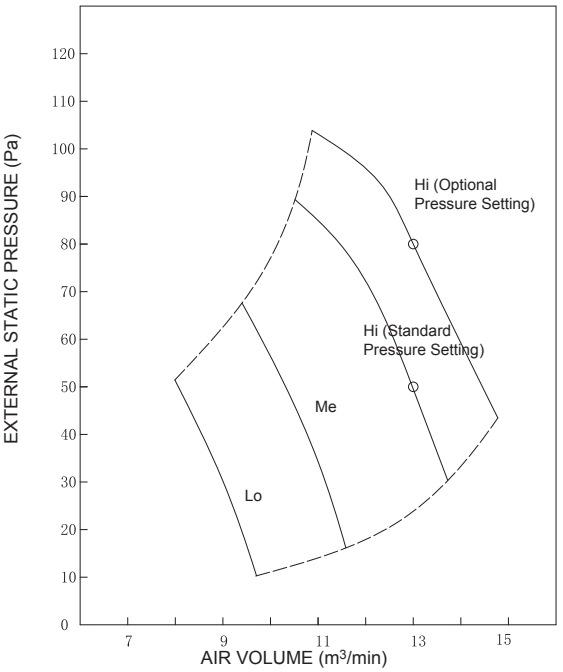
RPI-1.0FSNQH



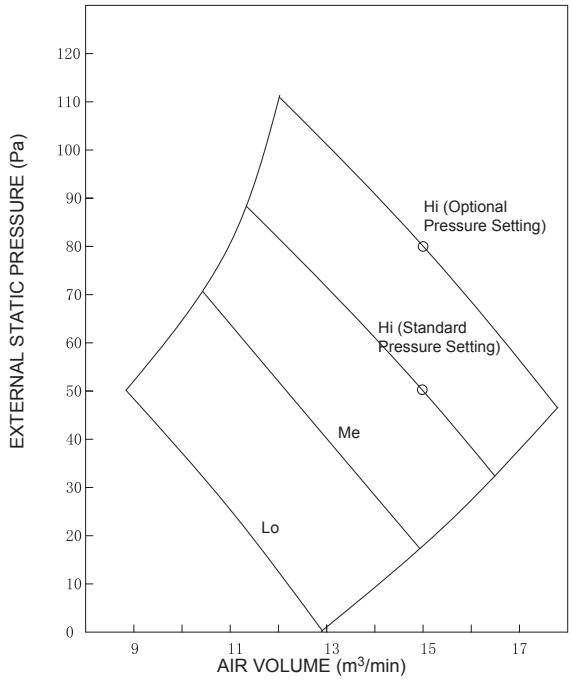
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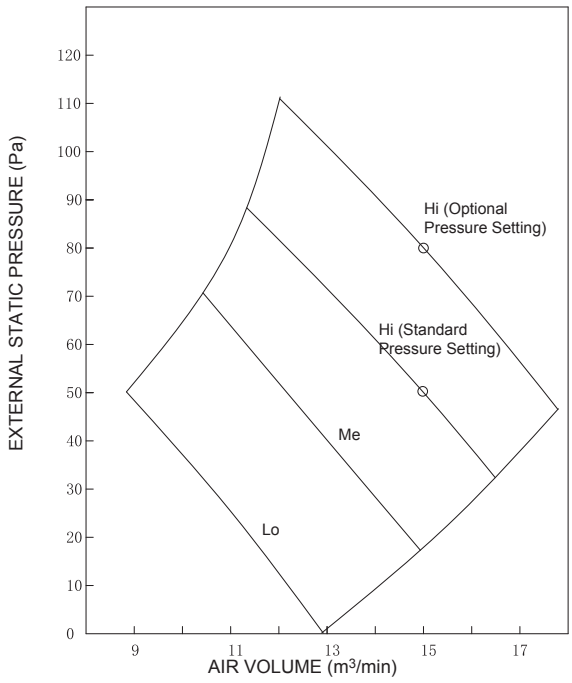
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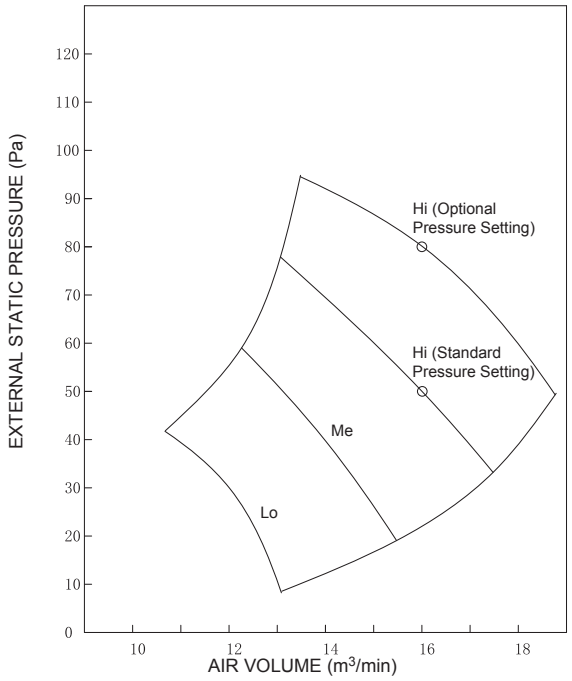
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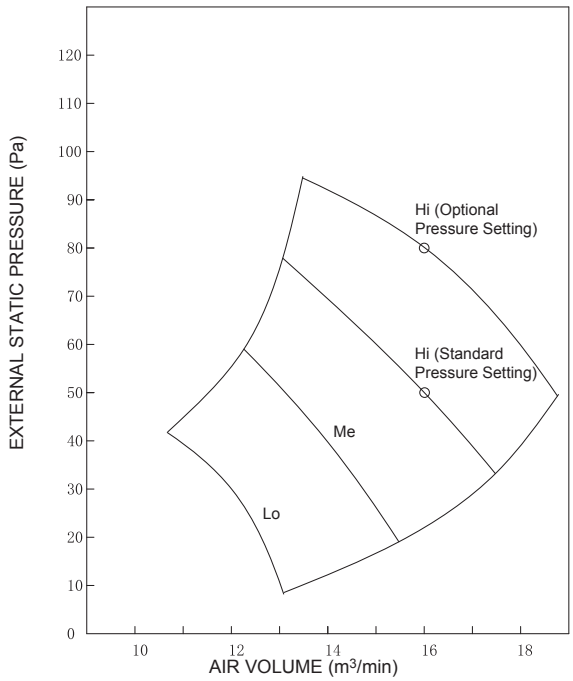
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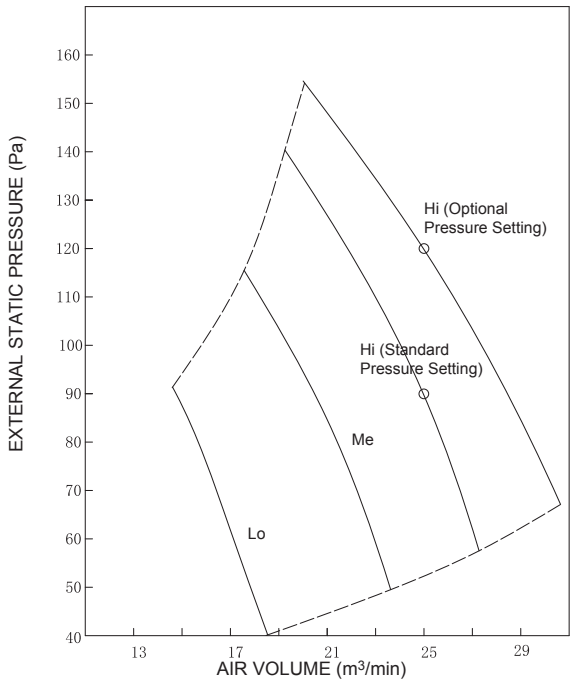
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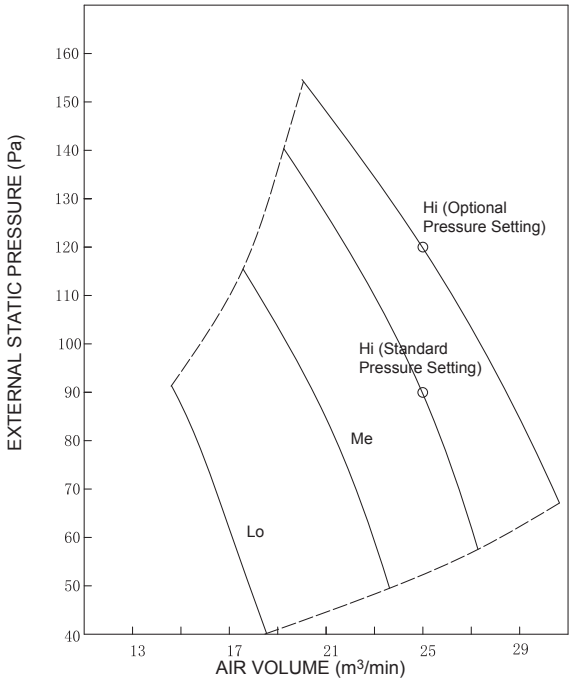
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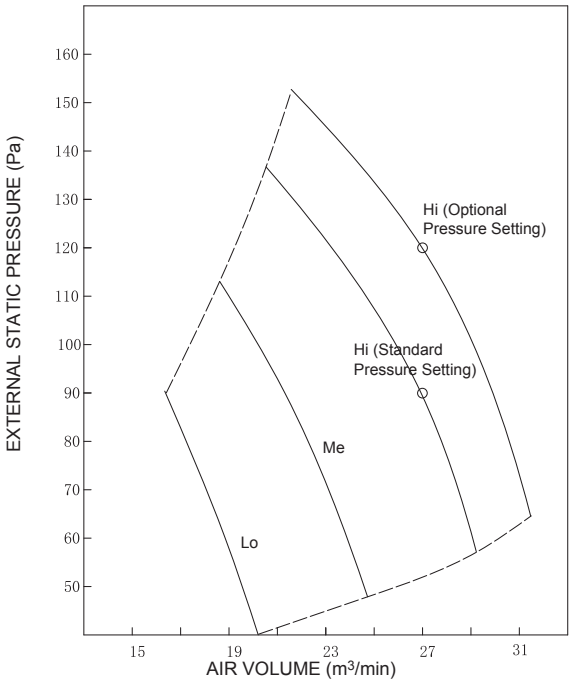
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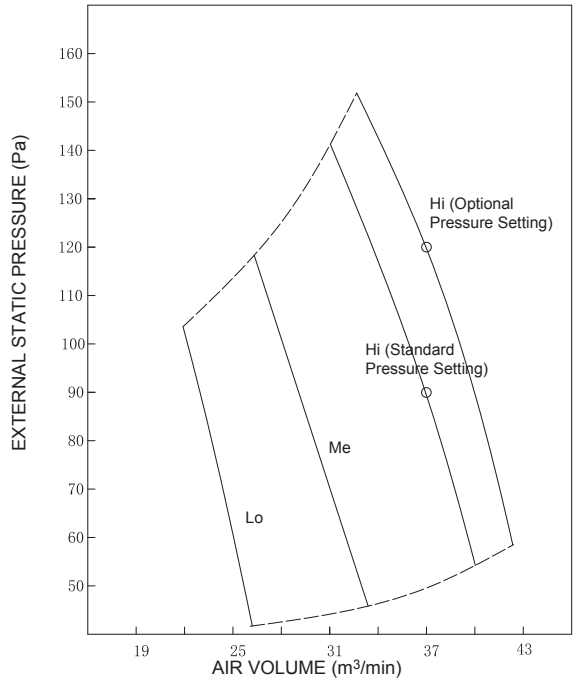
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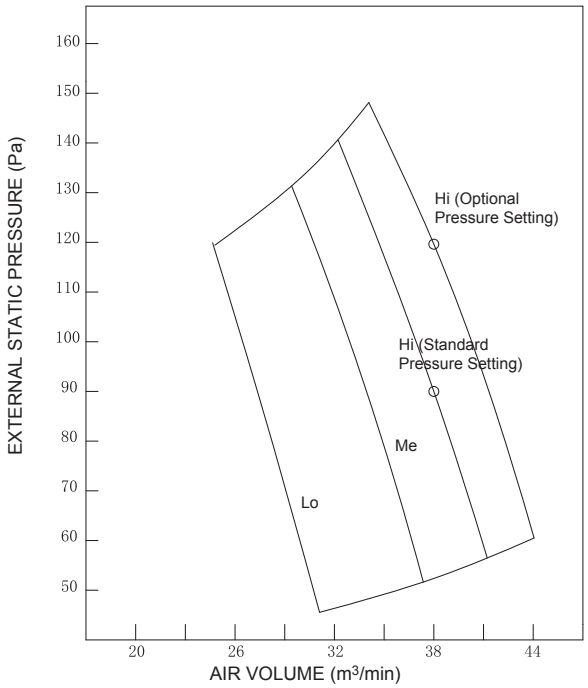
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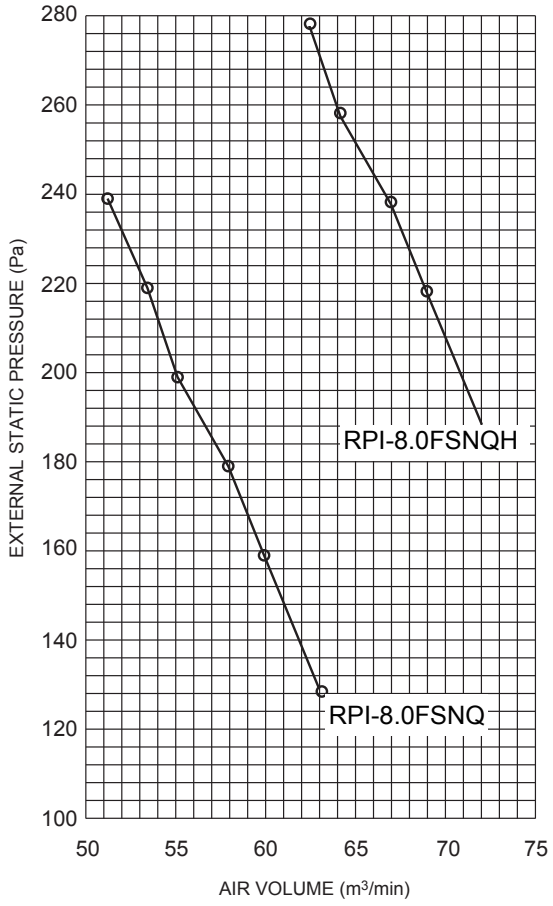
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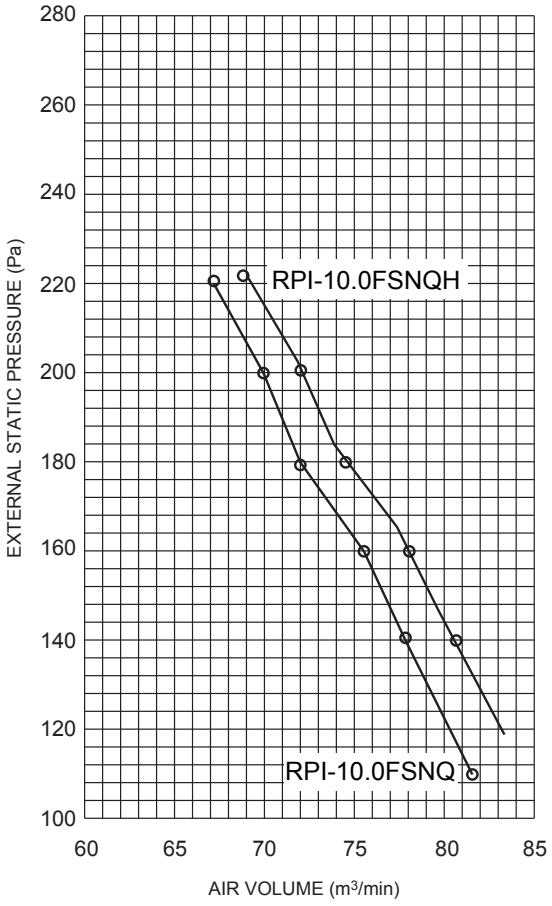
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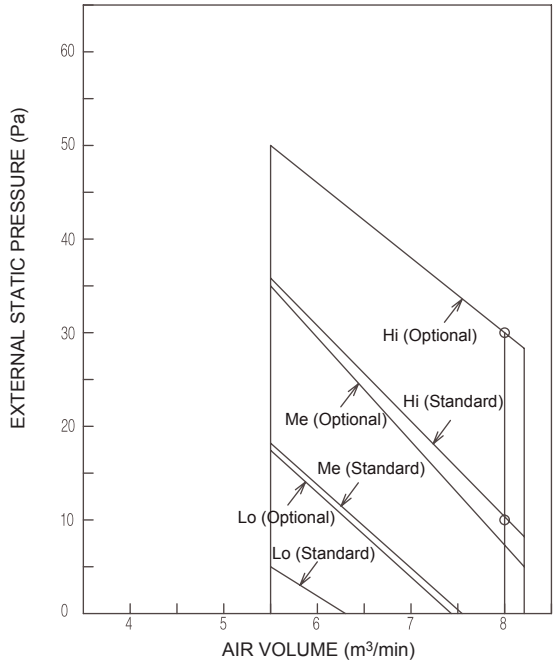
RPI-8.0FSNQ /RPI-8.0FSNQH



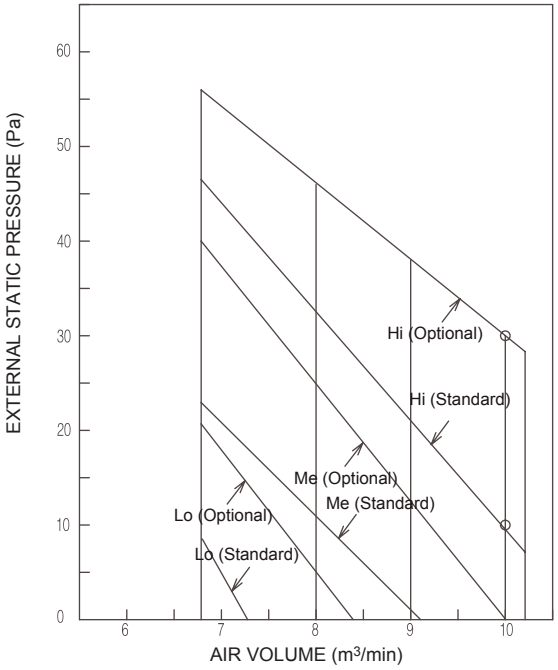
RPI-10.0FSNQ /RPI-10.0FSNQH



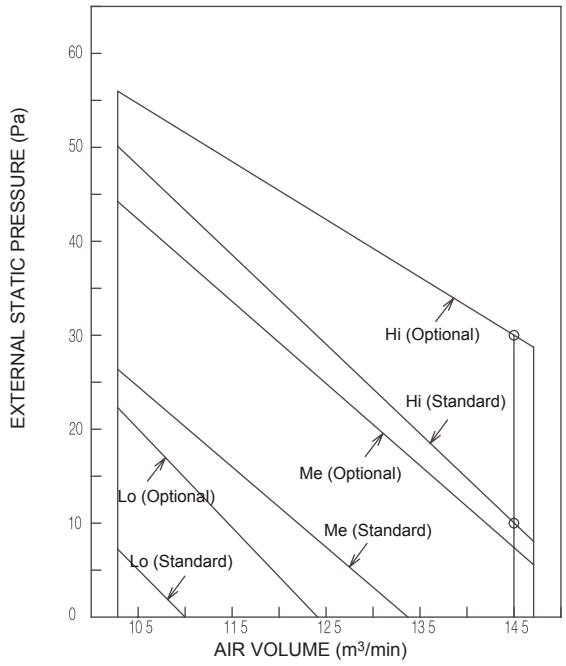
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RPIZ-0.8/1.0FSNQS



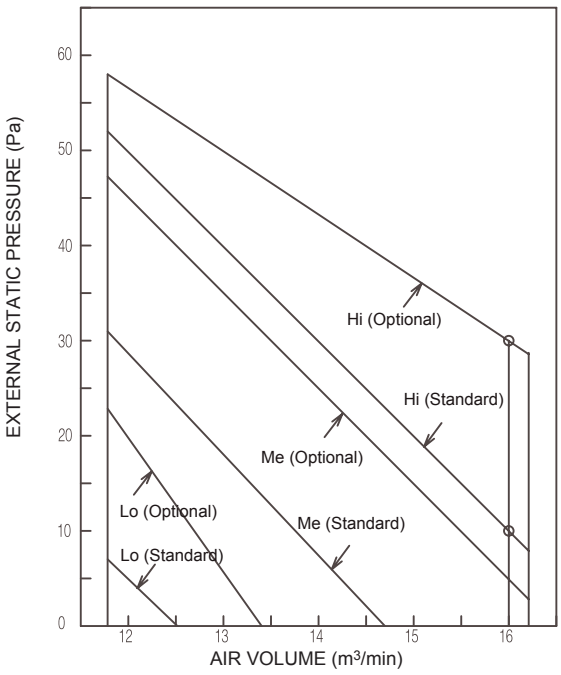
RPIZ-1.3/1.5FSN1Q
RPIZ-1.3/1.5FSNQS



RPIZ-1.8/2.0FSN1Q



RPIZ-2.3/2.5FSN1Q



5. Electrical Data

< 50 Hz >

Indoor Unit

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
In-the-Ceiling Type (Low Static Pressure)	RPI-0.8FSNQL	220~240	1	50	264	198	1	0.50	0.10
	RPI-1.0FSNQL							0.50	0.10
	RPI-1.3FSNQL							0.70	0.14
	RPI-1.5FSNQL							0.70	0.14
	RPI-1.8FSNQL							0.80	0.17
	RPI-2.0FSNQL							0.80	0.17
	RPI-2.3FSNQL							0.80	0.17
	RPI-2.5FSNQL							0.80	0.17
	RPI-3.0FSNQL							1.30	0.28
	RPI-3.3FSNQL							1.30	0.28
	RPI-4.0FSNQL							1.30	0.28
	RPI-5.0FSNQL							1.90	0.40
	RPI-6.0FSNQL	220	1	50	242	198	1	1.90	0.40
	RPI-8.0FSN3Q	380~415	3	50	456	342	3	1.70	1.10
	RPI-10.0FSN3Q							2.20	1.40
In-the-Ceiling Type (High Static Pressure)	RPI-0.8FSNQH	220~240	1	50	264	198	1	0.50	0.10
	RPI-1.0FSNQH							0.50	0.10
	RPI-1.3FSNQH							0.70	0.14
	RPI-1.5FSNQH							0.70	0.14
	RPI-1.8FSNQH							0.80	0.17
	RPI-2.0FSNQH							0.80	0.17
	RPI-2.3FSNQH							0.80	0.17
	RPI-2.5FSNQH							0.80	0.17
	RPI-3.0FSNQH							1.30	0.28
	RPI-3.3FSNQH							1.30	0.28
	RPI-4.0FSNQH							1.30	0.28
	RPI-5.0FSNQH							1.90	0.40
	RPI-6.0FSNQH	220	1	50	242	198	1	1.90	0.40
	RPI-8.0FSNQ	380~415	3	50	456	342	3	1.90	1.00
	RPI-10.0FSNQ							2.38	1.24
Low-Height In-the-Ceiling Type	RPIZ-0.8FSN1Q	220~240	1	50	264	198	1	0.23	0.05
	RPIZ-1.0FSN1Q							0.23	0.05
	RPIZ-1.3FSN1Q							0.33	0.07
	RPIZ-1.5FSN1Q							0.33	0.07
	RPIZ-1.8FSN1Q							0.42	0.09
	RPIZ-2.0FSN1Q							0.42	0.09
	RPIZ-2.3FSN1Q							0.50	0.10
	RPIZ-2.5FSN1Q							0.50	0.10
Slim In-the-Ceiling Type	RPIZ-0.8FSNQS	220~240	1	50	264	198	1	0.25	0.05
	RPIZ-1.0FSNQS							0.25	0.05
	RPIZ-1.3FSNQS							0.27	0.06
	RPIZ-1.5FSNQS							0.37	0.06
Ceiling & Floor Type	RPFC-1.8FSNQ	220~240	1	50	264	198	1	0.23	0.04
	RPFC-2.0FSNQ							0.23	0.04
	RPFC-2.3FSNQ							0.41	0.07
	RPFC-2.5FSNQ							0.41	0.07
	RPFC-3.0FSNQ							0.41	0.07
	RPFC-3.3FSNQ							0.47	0.08
	RPFC-4.0FSNQ							0.75	0.13
	RPFC-5.0FSNQ							0.93	0.16

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)

RNC: Running Current (A)
IPT: Input (kW)

< 50 Hz >

Indoor Unit

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
4-Way Cassette Type	RCI-1.0FSN1Q	220~240	1	50	264	198	1	0.21	0.04
	RCI-1.3FSN1Q							0.27	0.05
	RCI-1.5FSN1Q							0.27	0.05
	RCI-1.8FSN1Q							0.27	0.05
	RCI-2.0FSN1Q							0.27	0.05
	RCI-2.3FSN1Q							0.40	0.06
	RCI-2.5FSN1Q							0.40	0.06
	RCI-3.0FSN1Q							0.50	0.09
	RCI-3.3FSN1Q							0.50	0.09
	RCI-4.0FSN1Q							0.70	0.11
	RCI-5.0FSN1Q							0.80	0.14
	RCI-6.0FSN1Q							1.10	0.15
	RCI-1.0FSKDNQ	220~240	1	50	253	207	1	0.02	0.2
	RCI-1.5FSKDNQ							0.03	0.4
	RCI-2.0FSKDNQ							0.04	0.4
	RCI-2.5FSKDNQ							0.07	0.7
	RCI-3.0FSKDNQ							0.07	0.7
	RCI-4.0FSKDNQ							0.13	1.2
	RCI-5.0FSKDNQ							0.13	1.2
	RCI-6.0FSKDNQ							0.13	1.2
Wall Type	RPK-0.8FSNQS	220~240	1	50	264	198	1	0.4	0.03
	RPK-1.0FSNQS							0.4	0.03
	RPK-1.3FSNQS							0.4	0.03
	RPK-1.5FSNQS							0.5	0.04
	RPK-1.8FSNQS							0.55	0.05
	RPK-2.0FSNQS							0.55	0.05
	RPK-2.3FSNQS							0.60	0.06
Floor Concealed Type	RPFI-1.0FSNQ	220~240	1	50	264	198	1	0.40	0.08
	RPFI-1.5FSNQ							0.40	0.09
	RPFI-2.0FSNQ							0.40	0.09
	RPFI-2.5FSNQ							0.40	0.09

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)
RNC: Running Current (A)
IPT: Input (kW)

< 60 Hz >

Indoor Unit

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
In-the-Ceiling Type (Low Static Pressure)	RPI-0.8FSNQL	220	1	60	242	198	1	0.57	0.11
	RPI-1.0FSNQL							0.57	0.11
	RPI-1.3FSNQL							0.80	0.16
	RPI-1.5FSNQL							0.80	0.16
	RPI-1.8FSNQL							0.92	0.19
	RPI-2.0FSNQL							0.92	0.19
	RPI-2.3FSNQL							0.92	0.19
	RPI-2.5FSNQL							0.92	0.19
	RPI-3.0FSNQL							1.49	0.32
	RPI-3.3FSNQL							1.49	0.32
	RPI-4.0FSNQL							1.49	0.32
	RPI-5.0FSNQL							2.18	0.46
	RPI-6.0FSNQL							2.18	0.46
	RPI-8.0FSN3Q	380	3	60	418	342	3	2.0	1.3
	RPI-10.0FSN3Q							2.5	1.6
In-the-Ceiling Type (High Static Pressure)	RPI-0.8FSNQH	220	1	60	242	198	1	0.4	0.08
	RPI-1.0FSNQH							0.4	0.08
	RPI-1.3FSNQH							0.55	0.11
	RPI-1.5FSNQH							0.55	0.11
	RPI-1.8FSNQH							0.65	0.13
	RPI-2.0FSNQH							0.65	0.13
	RPI-2.3FSNQH							0.65	0.13
	RPI-2.5FSNQH							0.65	0.13
	RPI-3.0FSNQH							1.4	0.31
	RPI-3.3FSNQH							1.4	0.31
	RPI-4.0FSNQH							1.4	0.31
	RPI-5.0FSNQH							1.9	0.42
	RPI-6.0FSNQH							1.9	0.42
	RPI-8.0FSNQH	208-230	1	60	253	187	1	6.62	1.42
	RPI-10.0FSNQH							6.8	1.46
	RPI-8.0FSNQ	380	3	60	418	342	3	2.19	1.15
	RPI-10.0FSNQ							2.74	1.43
Low-Height In-the-Ceiling Type	RPIZ-0.8FSN1Q	220	1	60	242	198	1	0.23	0.05
	RPIZ-1.0FSN1Q							0.23	0.05
	RPIZ-1.3FSN1Q							0.33	0.07
	RPIZ-1.5FSN1Q							0.33	0.07
	RPIZ-1.8FSN1Q							0.42	0.09
	RPIZ-2.0FSN1Q							0.42	0.09
	RPIZ-2.3FSN1Q							0.50	0.10
	RPIZ-2.5FSN1Q							0.50	0.10
Slim In-the-Ceiling Type	RPIZ-0.8FSNQS	220	1	60	242	198	1	0.25	0.05
	RPIZ-1.0FSNQS							0.25	0.05
	RPIZ-1.3FSNQS							0.27	0.06
	RPIZ-1.5FSNQS							0.37	0.06

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)

RNC: Running Current (A)
IPT: Input (kW)

< 60 Hz >

Indoor Unit

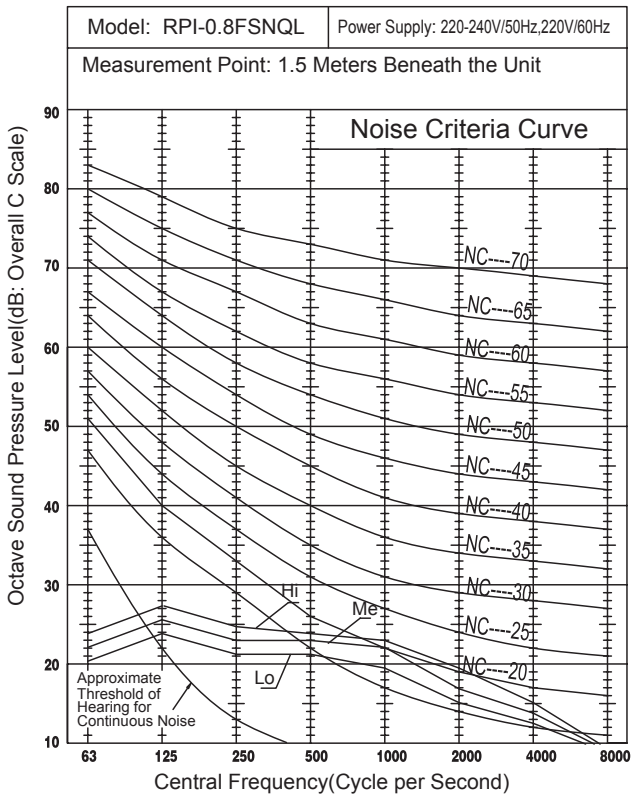
Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
4-Way Cassette Type	RCI-1.0FSN1Q	220	1	60	242	198	1	0.21	0.04
	RCI-1.3FSN1Q							0.27	0.05
	RCI-1.5FSN1Q							0.27	0.05
	RCI-1.8FSN1Q							0.27	0.05
	RCI-2.0FSN1Q							0.27	0.05
	RCI-2.3FSN1Q							0.4	0.06
	RCI-2.5FSN1Q							0.4	0.06
	RCI-3.0FSN1Q							0.5	0.09
	RCI-3.3FSN1Q							0.5	0.09
	RCI-4.0FSN1Q							0.7	0.11
	RCI-5.0FSN1Q							0.8	0.14
	RCI-6.0FSN1Q							1.1	0.15
	RCI-1.0FSKDNQ	220	1	60	253	207	1	0.02	0.2
	RCI-1.5FSKDNQ							0.03	0.4
	RCI-2.0FSKDNQ							0.04	0.4
	RCI-2.5FSKDNQ							0.07	0.7
	RCI-3.0FSKDNQ							0.07	0.7
	RCI-4.0FSKDNQ							0.13	1.2
	RCI-5.0FSKDNQ							0.13	1.2
	RCI-6.0FSKDNQ							0.13	1.2
Wall Type	RPK-0.8FSNQS	220	1	60	242	198	1	0.4	0.03
	RPK-1.0FSNQS							0.4	0.03
	RPK-1.3FSNQS							0.4	0.03
	RPK-1.5FSNQS							0.5	0.04
	RPK-1.8FSNQS							0.55	0.05
	RPK-2.0FSNQS							0.55	0.05
	RPK-2.3FSNQS							0.60	0.06
Floor Concealed Type	RPFI-1.0FSNQ	220	1	60	264	198	1	0.28	0.06
	RPFI-1.5FSNQ							0.44	0.09
	RPFI-2.0FSNQ							0.48	0.10
	RPFI-2.5FSNQ							0.61	0.13
Ceiling & Floor Type	RPFC-1.8FSNQ	220	1	60	264	198	1	0.23	0.04
	RPFC-2.0FSNQ							0.23	0.04
	RPFC-2.3FSNQ							0.41	0.07
	RPFC-2.5FSNQ							0.41	0.07
	RPFC-3.0FSNQ							0.41	0.07
	RPFC-3.3FSNQ							0.47	0.08
	RPFC-4.0FSNQ							0.75	0.13
	RPFC-5.0FSNQ							0.93	0.16

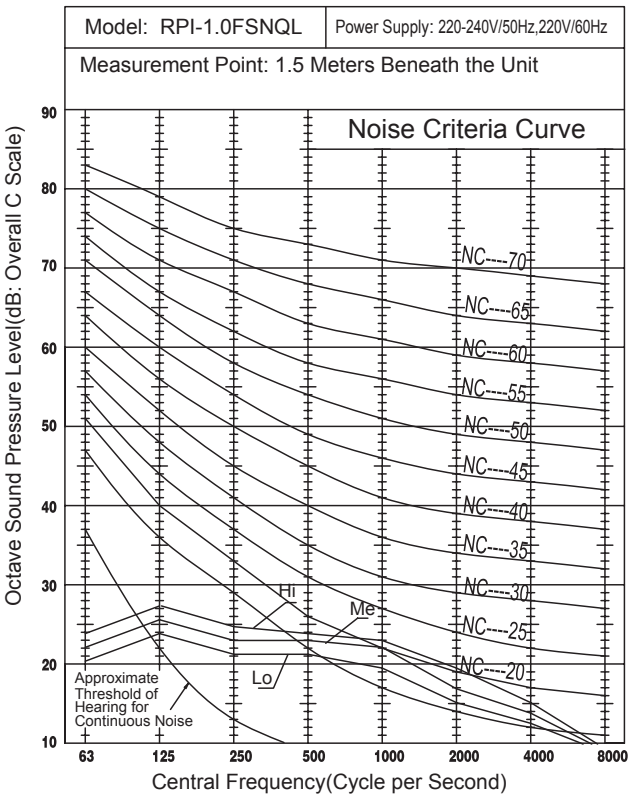
VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)

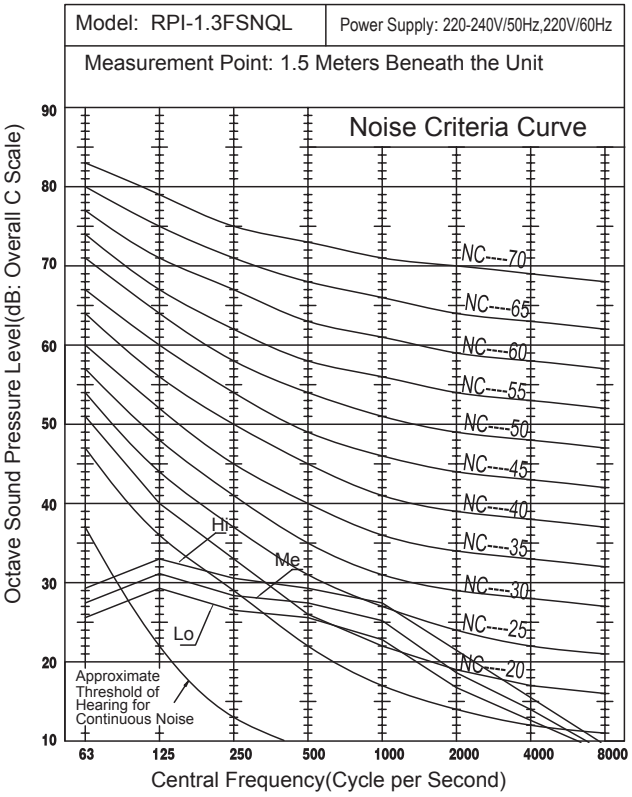
RNC: Running Current (A)
IPT: Input (kW)

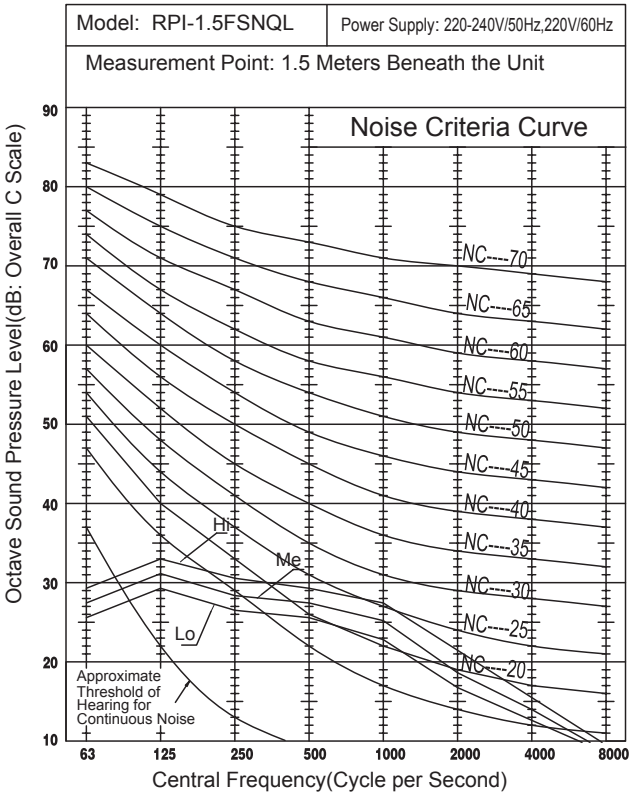
6. Sound Data

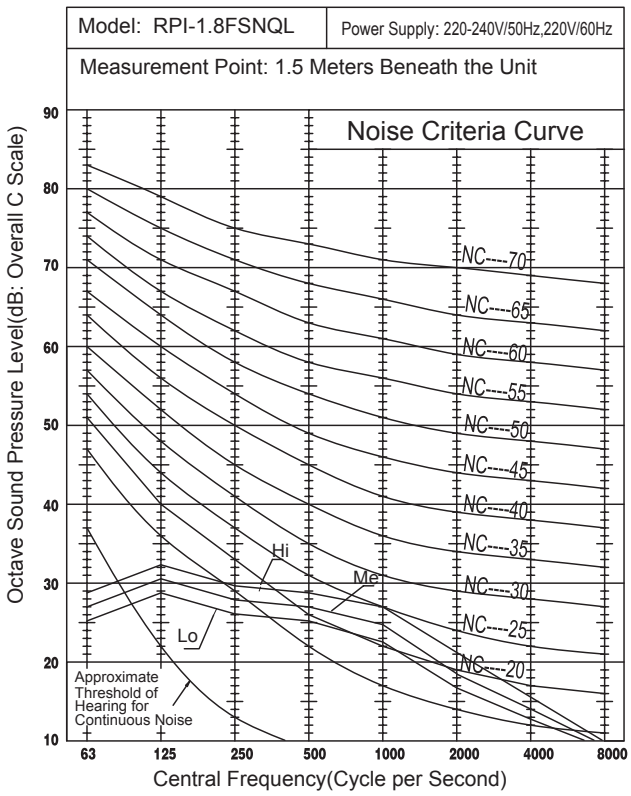
In-the Ceiling Type (Low Static Pressure)

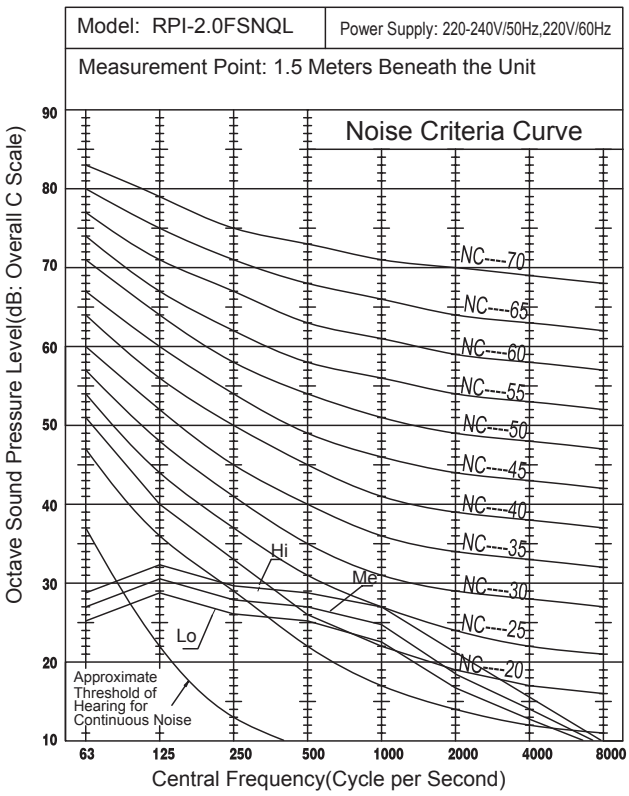


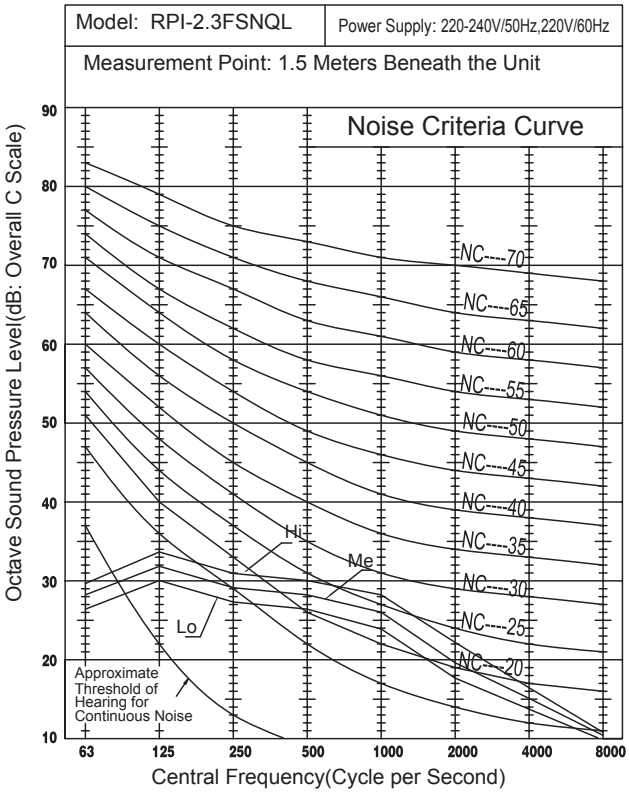


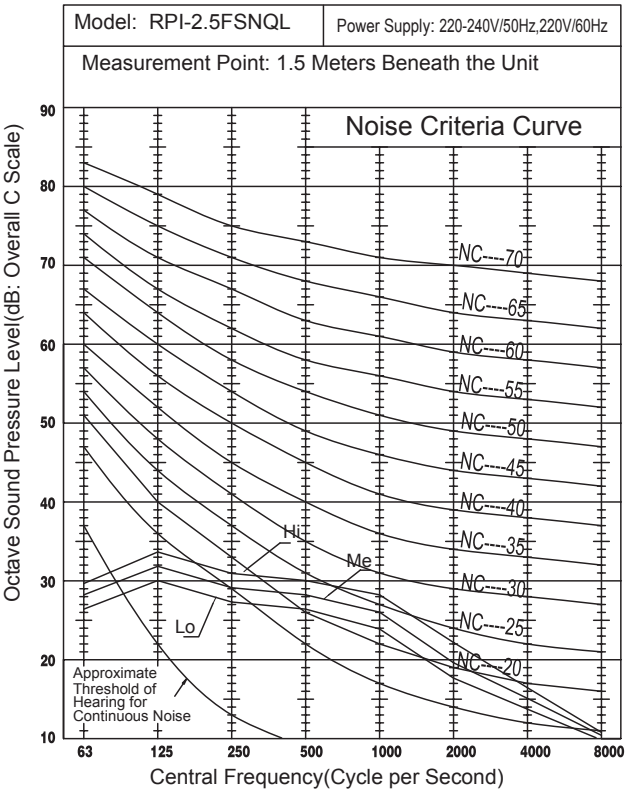


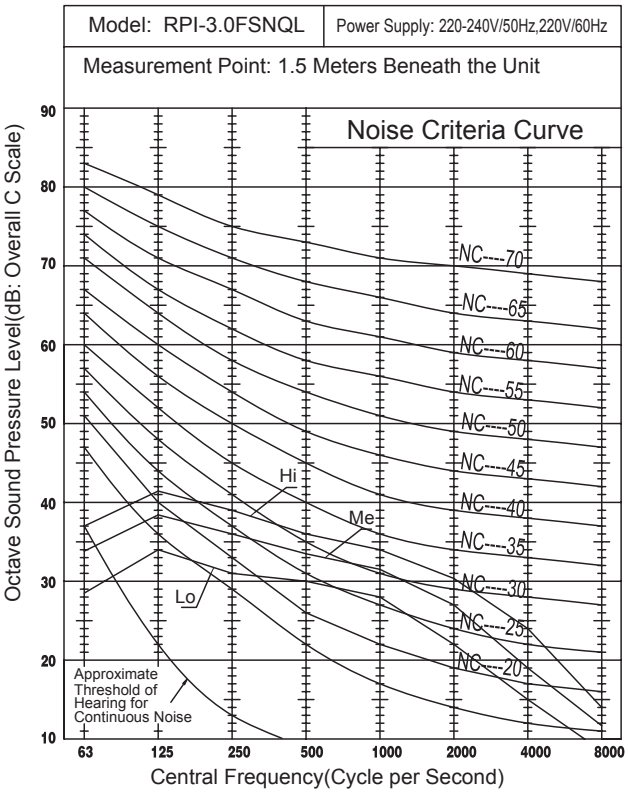


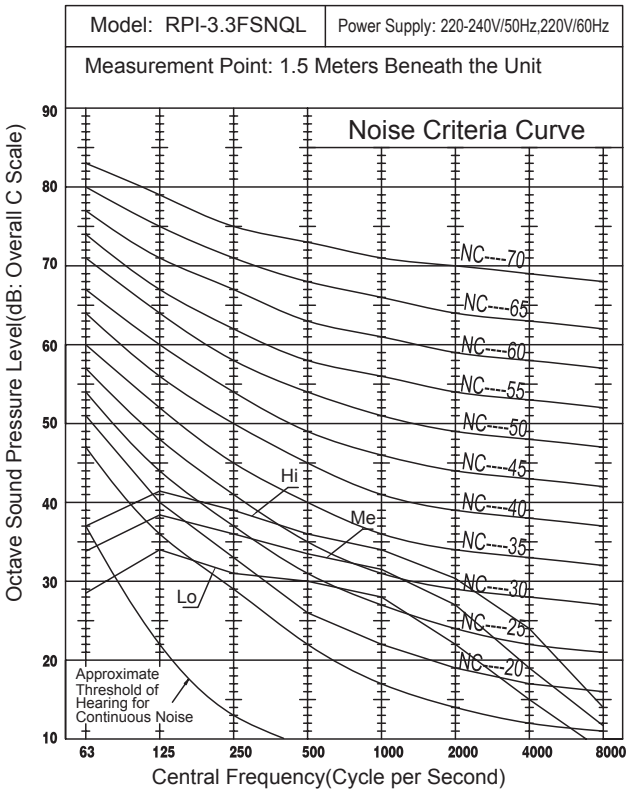

Model: RPI-1.8FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
10
20
30
40
50
60
70
80
90

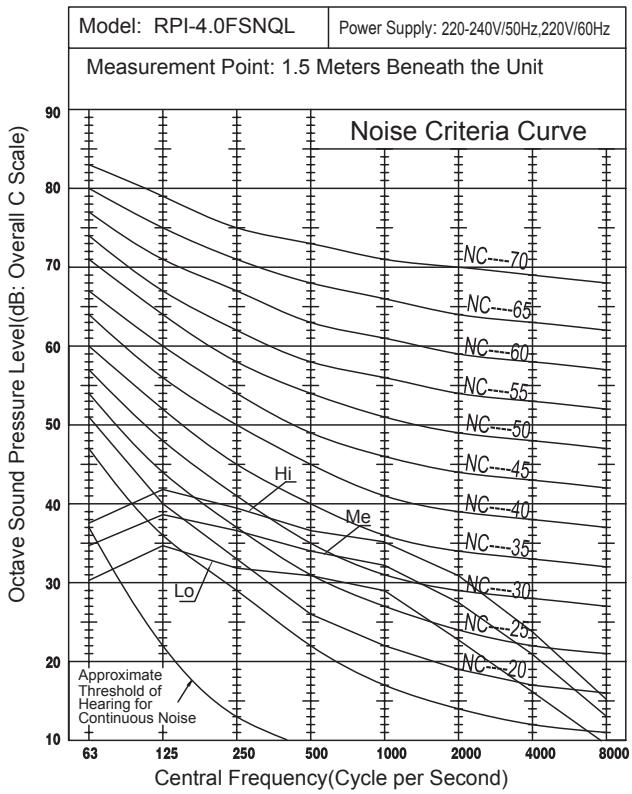

Model: RPI-2.0FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
10
20
30
40
50
60
70
80
90

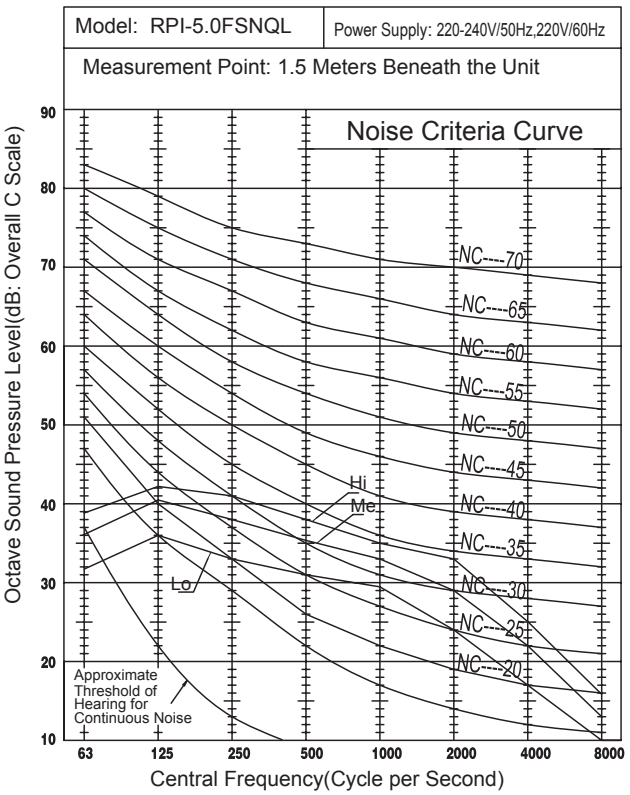

Model: RPI-2.3FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
10
20
30
40
50
60
70
80
90

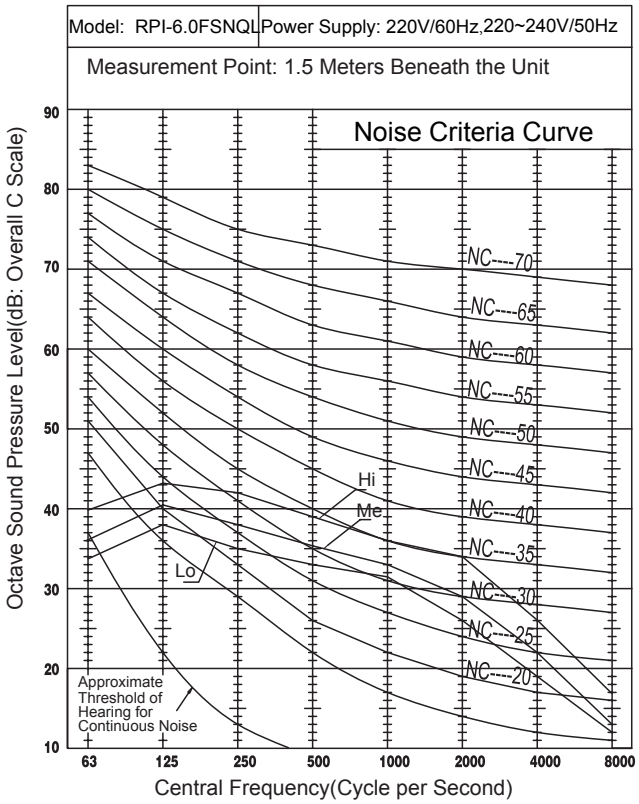

Model: RPI-2.5FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
10
20
30
40
50
60
70
80
90

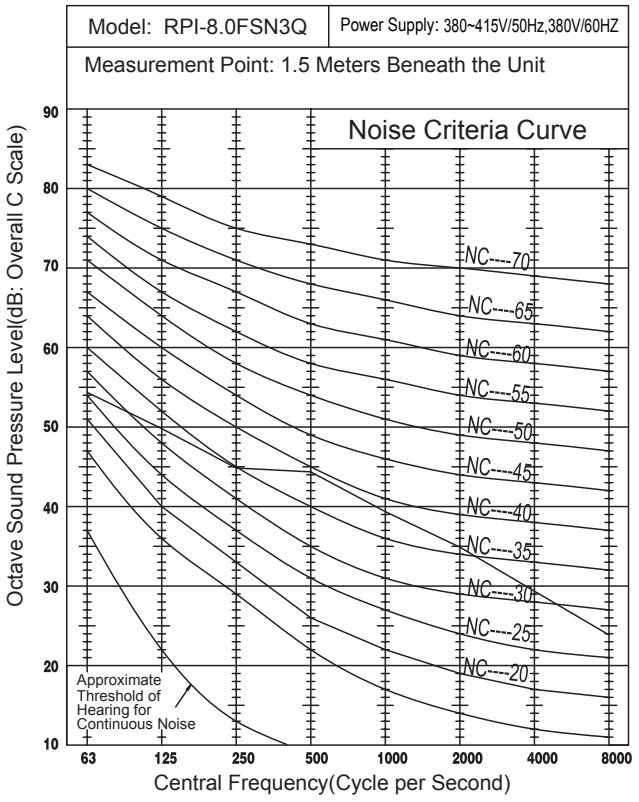

Model: RPI-3.0FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
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1000
2000
4000
8000

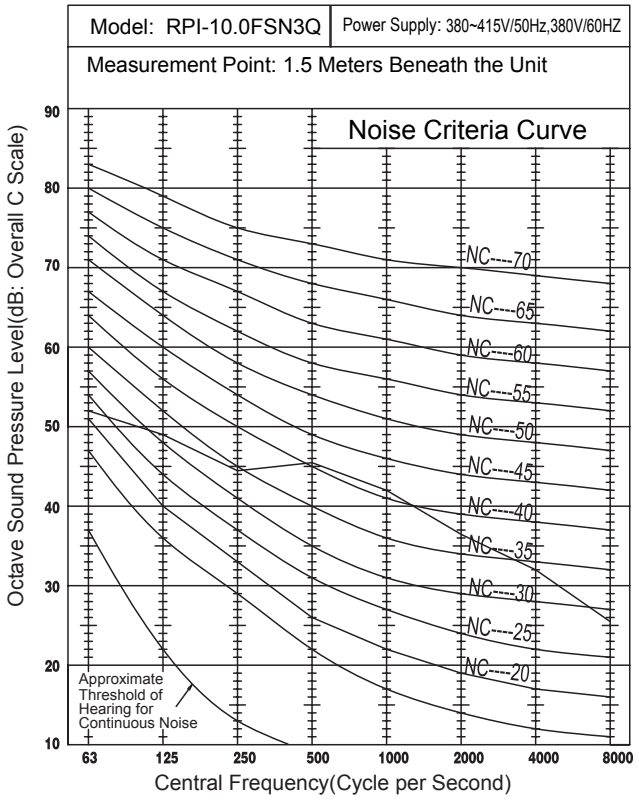

Model: RPI-3.3FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000


Model: RPI-4.0FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

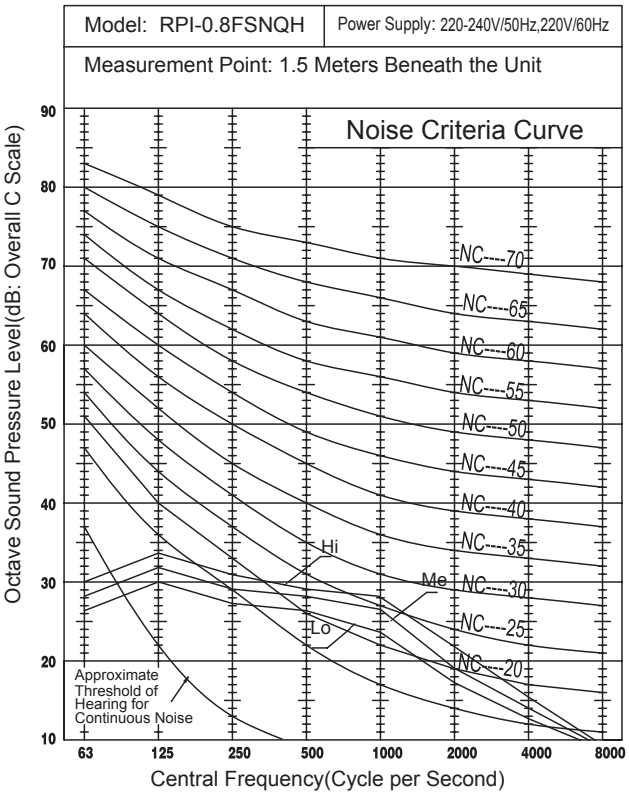

Model: RPI-5.0FSNQL
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

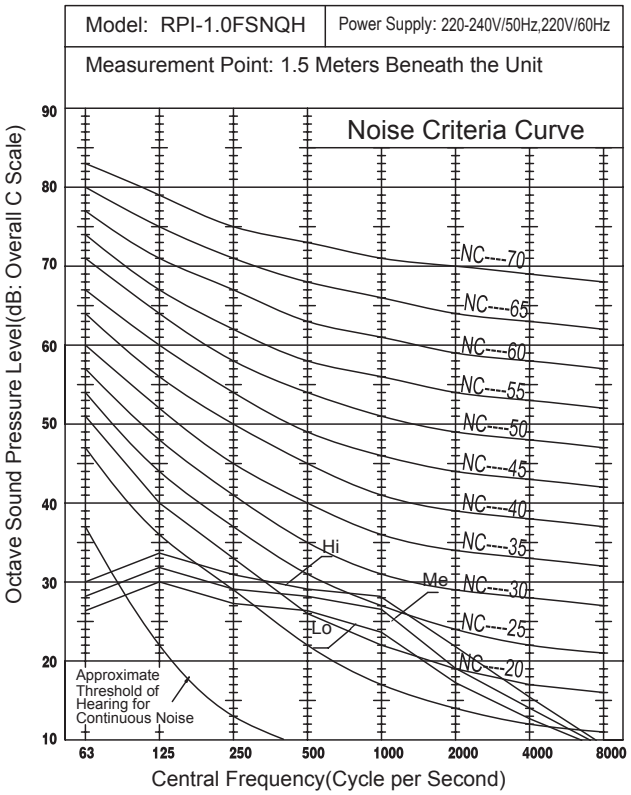

Model: RPI-6.0FSNQL
Power Supply: 220V/60Hz,220~240V/50Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

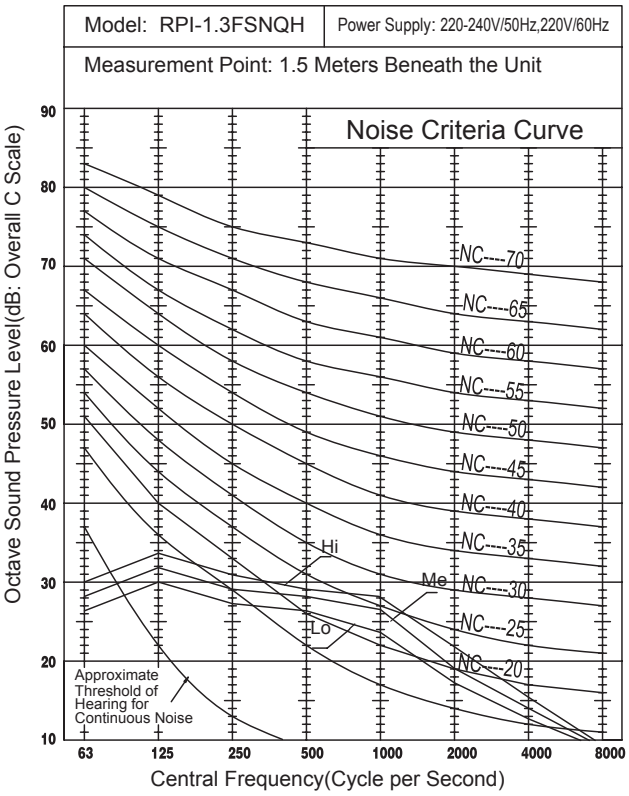

Model: RPI-8.0FSN3Q
Power Supply: 380~415V/50Hz,380V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

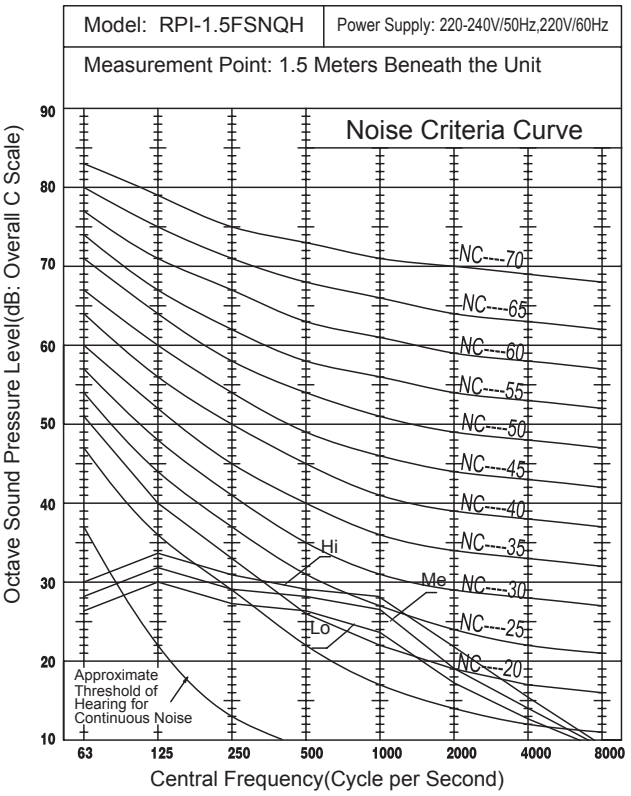

Model: RPI-10.0FSN3Q
Power Supply: 380~415V/50Hz,380V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

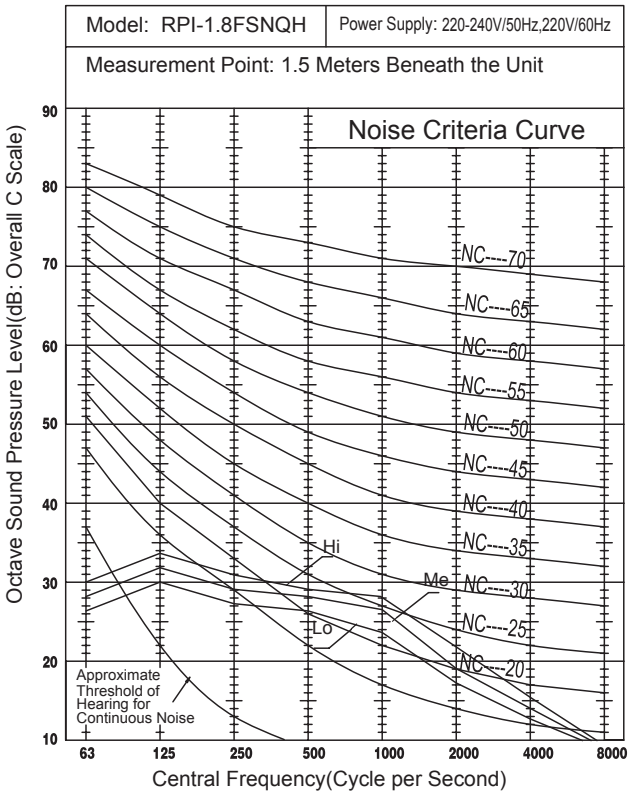
In-the Ceiling Type (High Static Pressure)

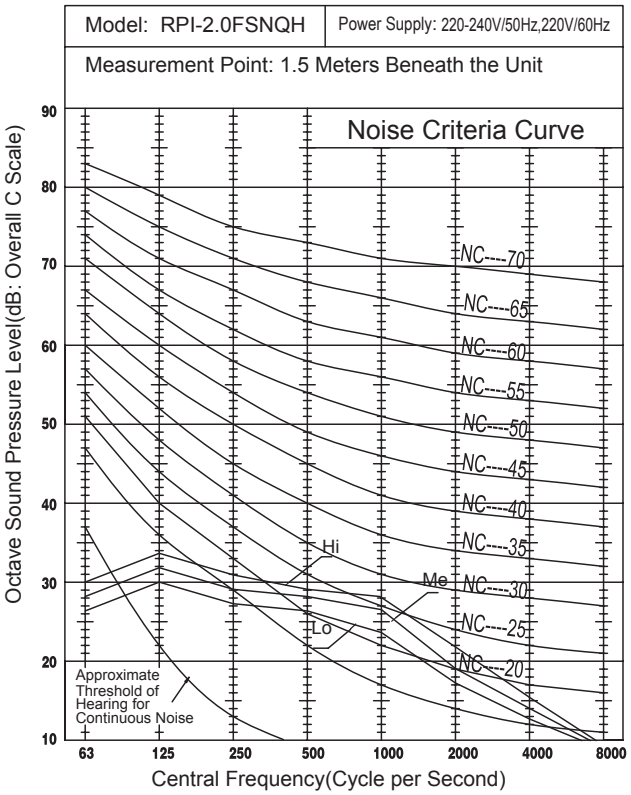


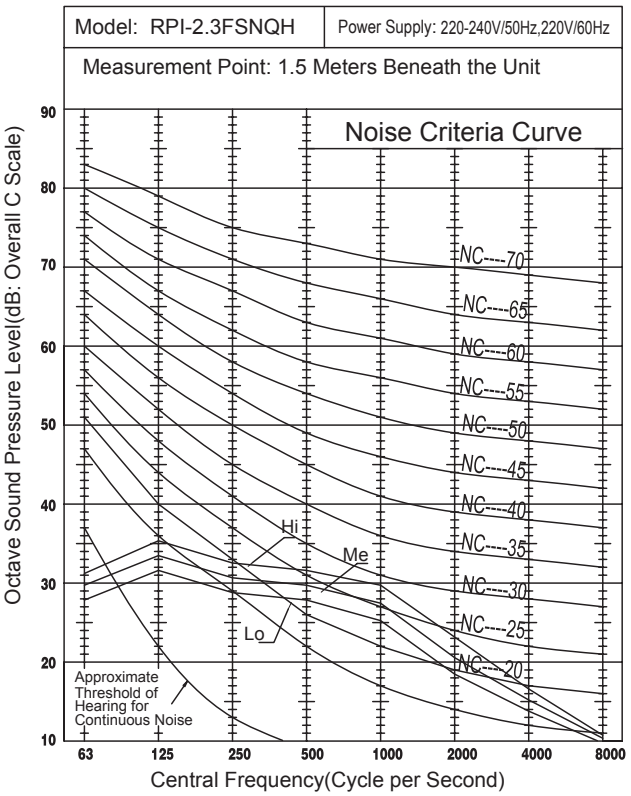


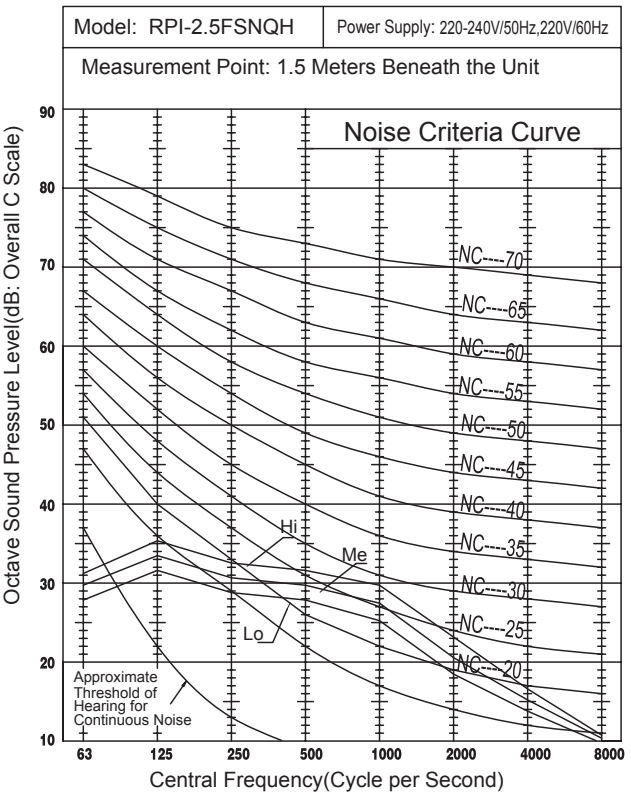


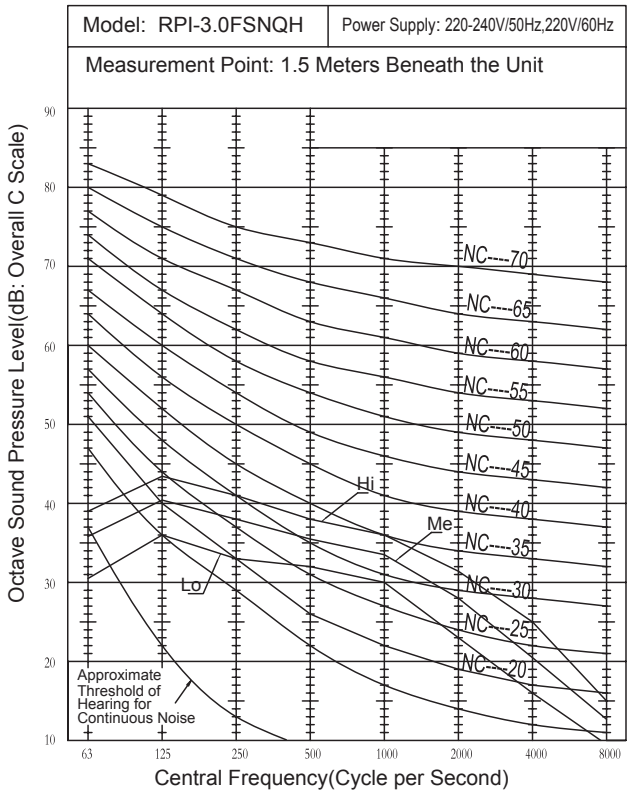


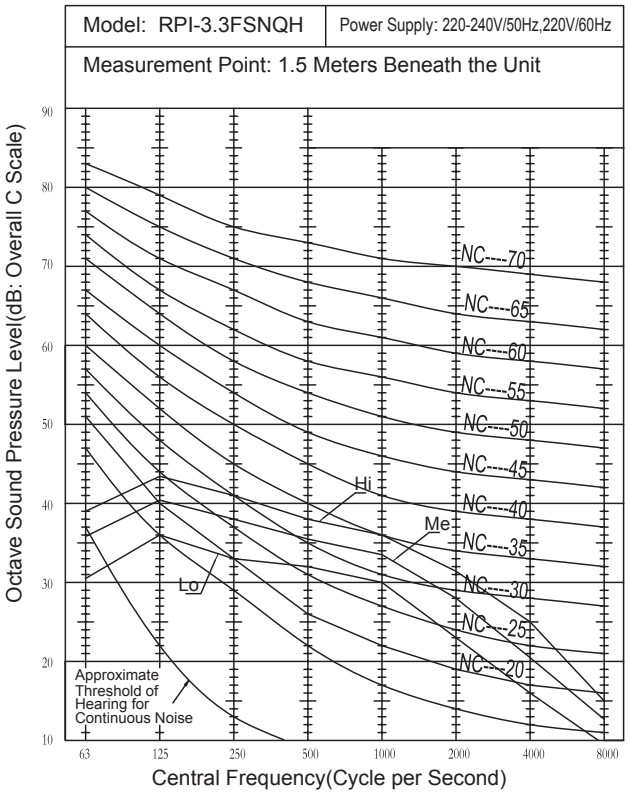

Model: RPI-1.8FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

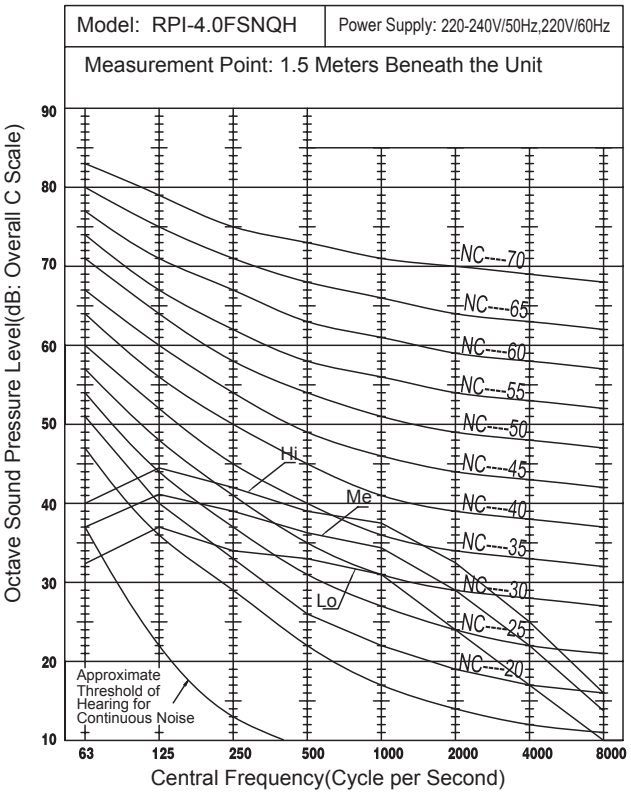

Model: RPI-2.0FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

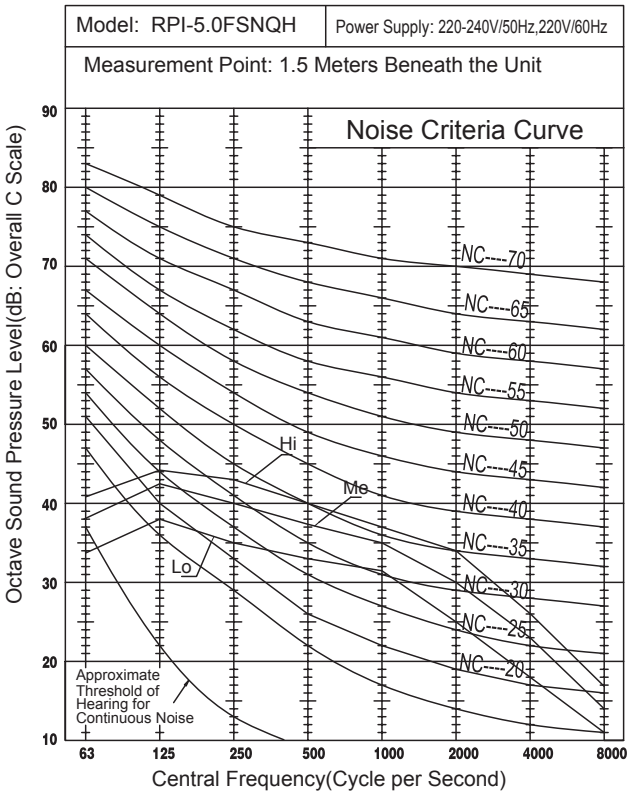

Model: RPI-2.3FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

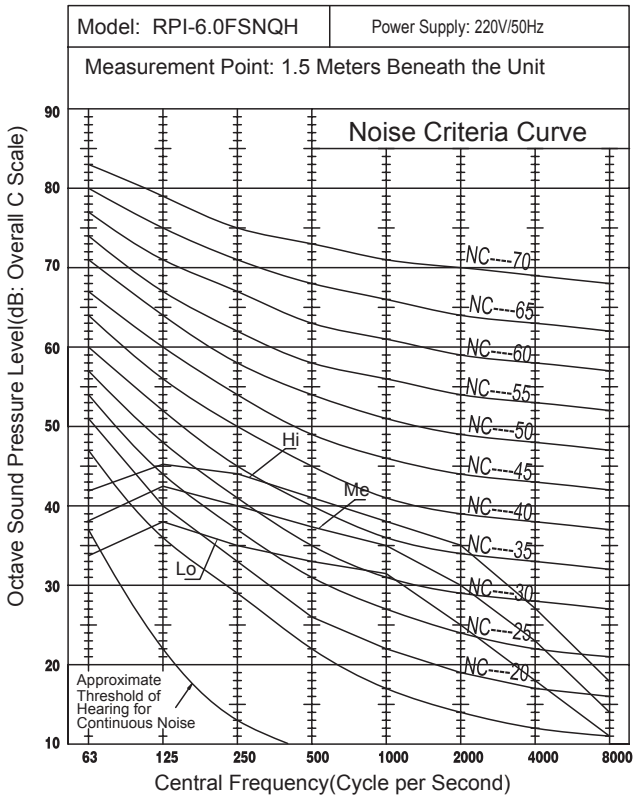

Model: RPI-2.5FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

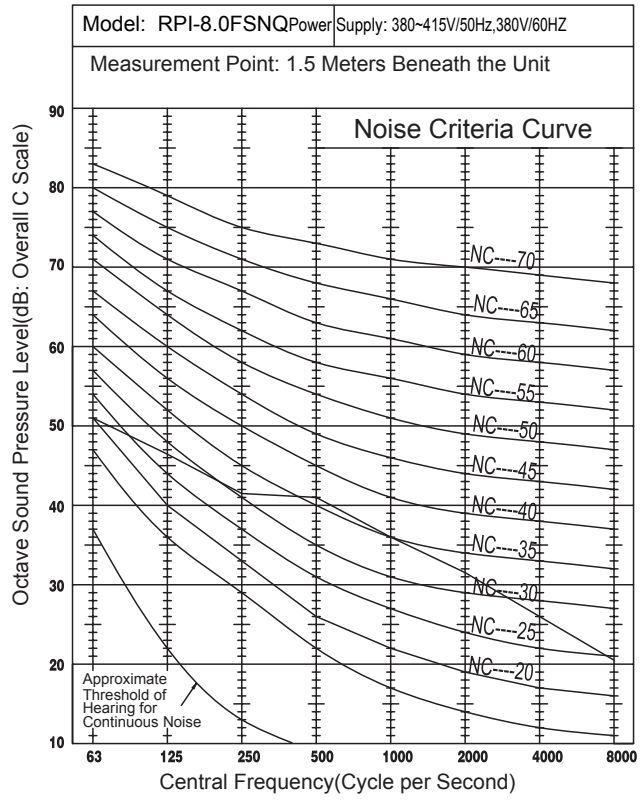

Model: RPI-3.0FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

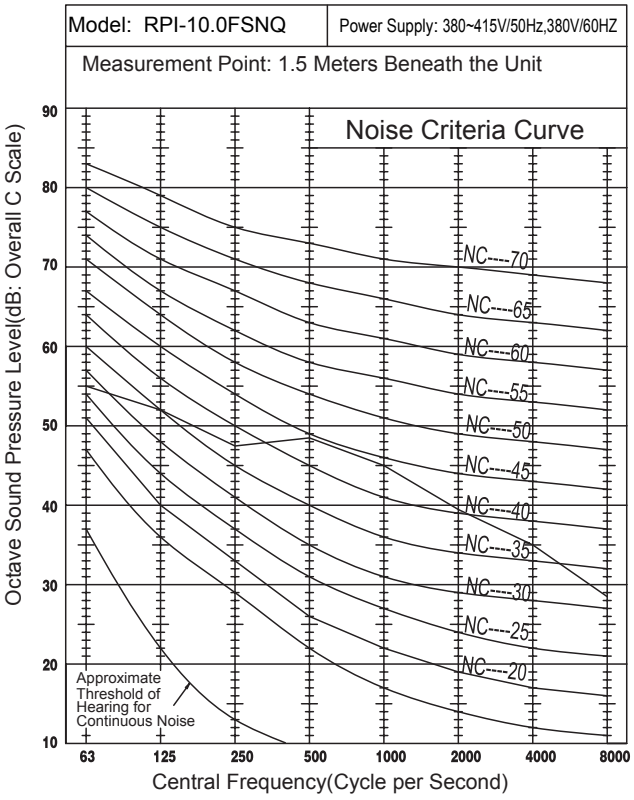

Model: RPI-3.3FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

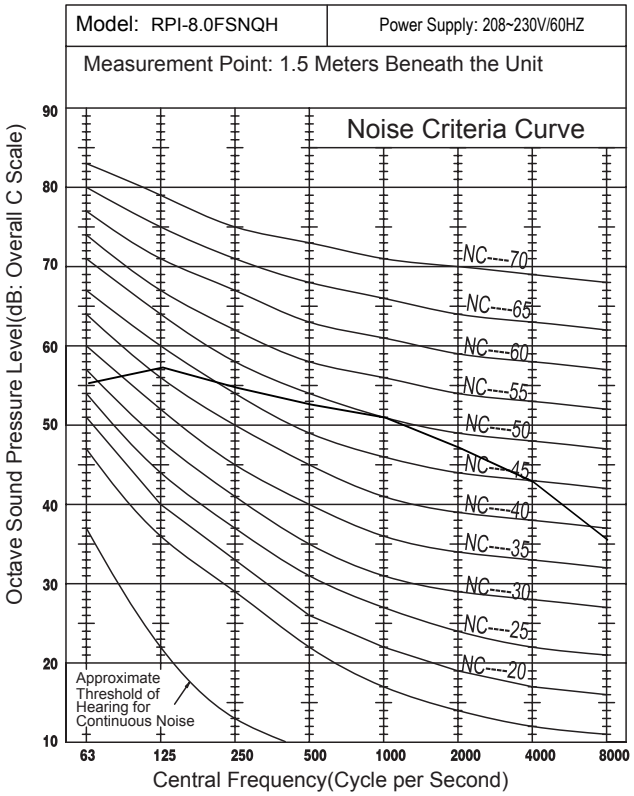

Model: RPI-4.0FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

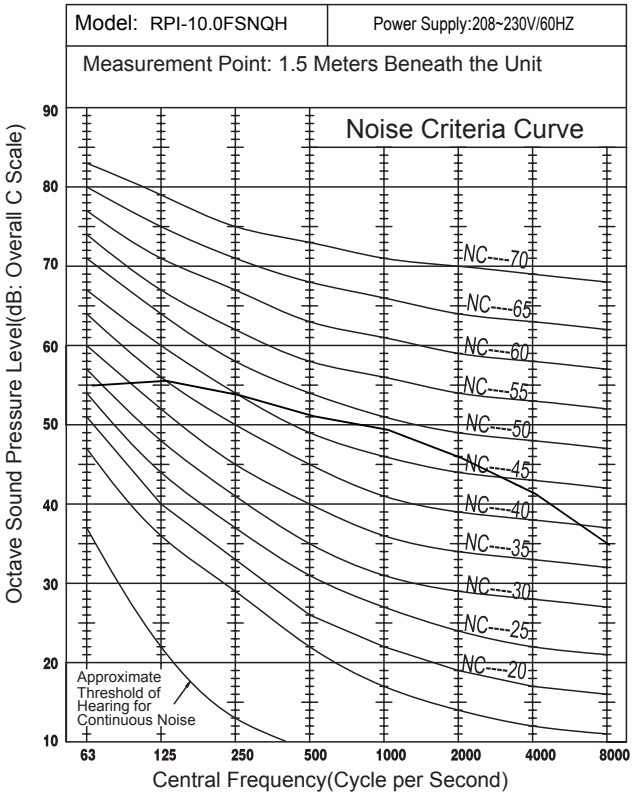

Model: RPI-5.0FSNQH
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise


Model: RPI-6.0FSNQH
Power Supply: 220V/50Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

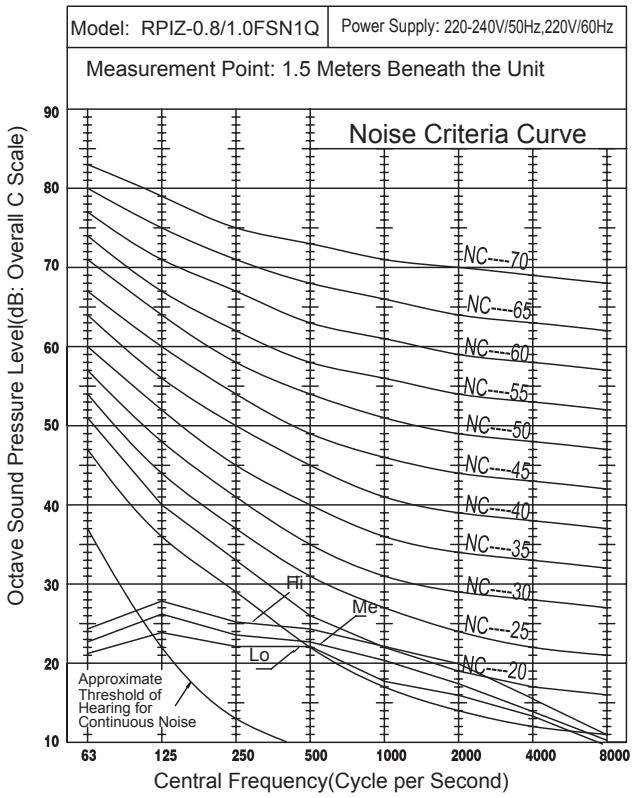

Model: RPI-8.0FSNQ
Power Supply: 380~415V/50Hz,380V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

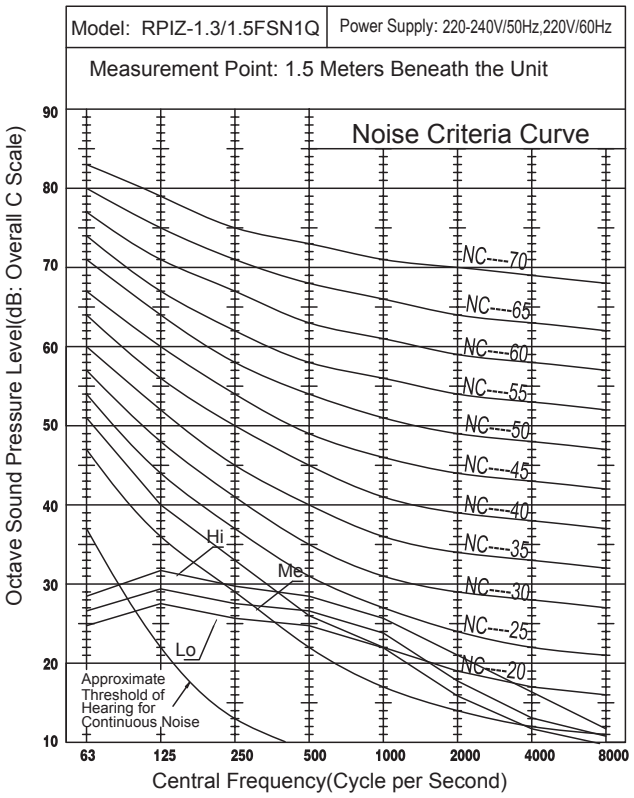

Model: RPI-10.0FSNQ
Power Supply: 380~415V/50Hz,380V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

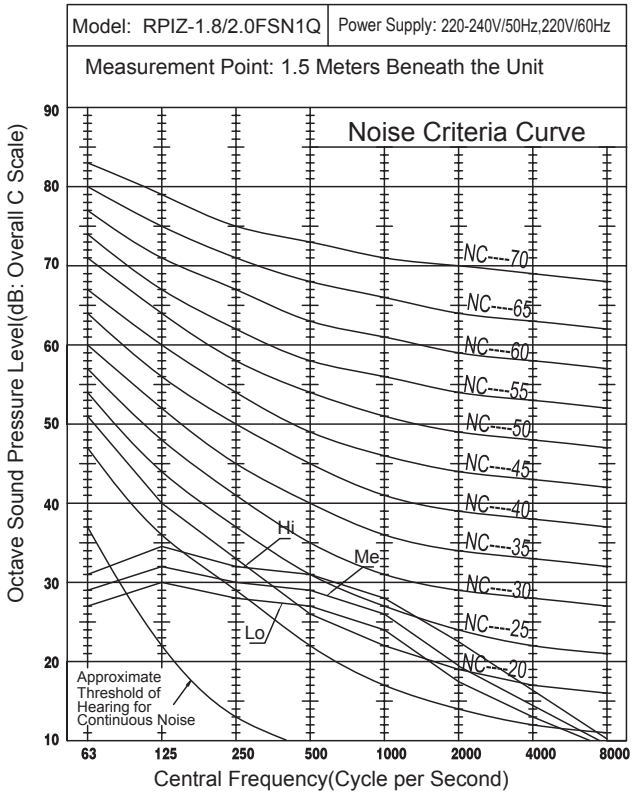

Model: RPI-8.0FSNQH
Power Supply: 208~230V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

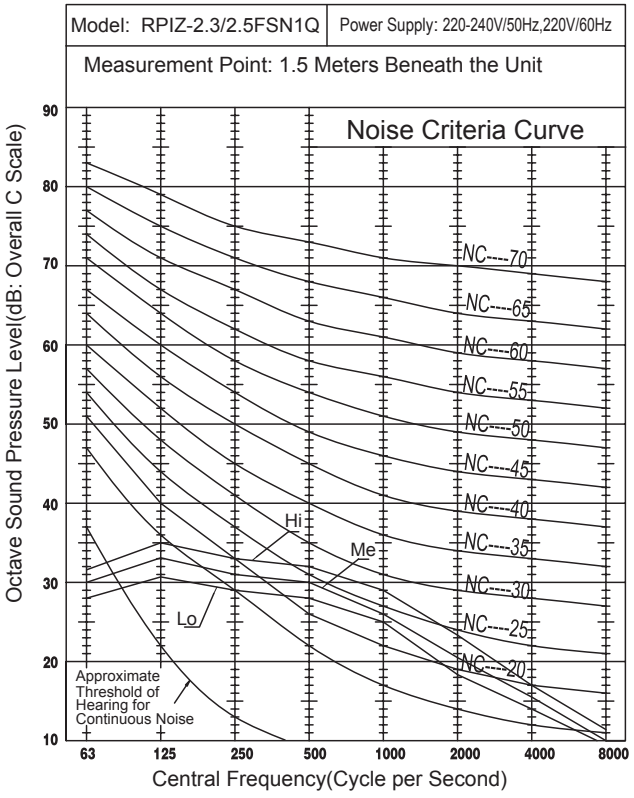

Model: RPI-10.0FSNQH
Power Supply:208~230V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC----70
NC----65
NC----60
NC----55
NC----50
NC----45
NC----40
NC----35
NC----30
NC----25
NC----20
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

Low-Height In-the Ceiling Type

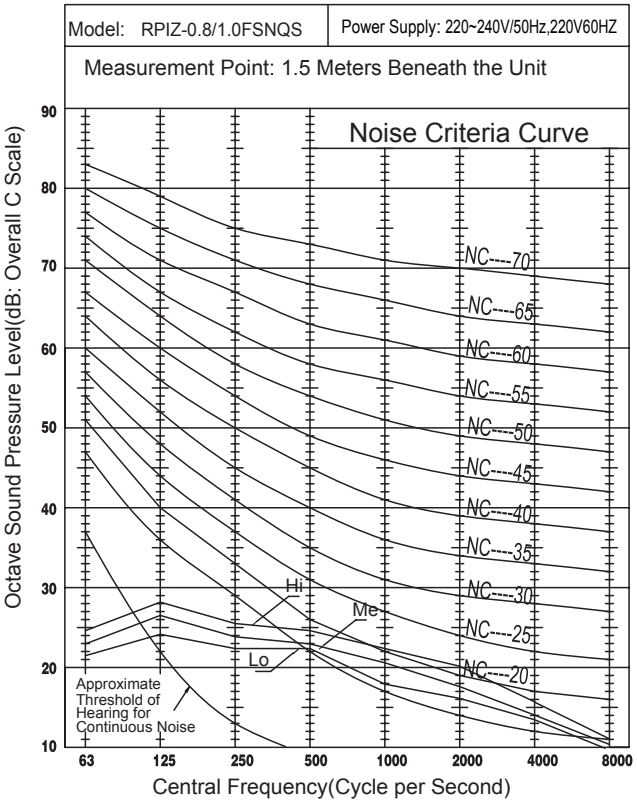


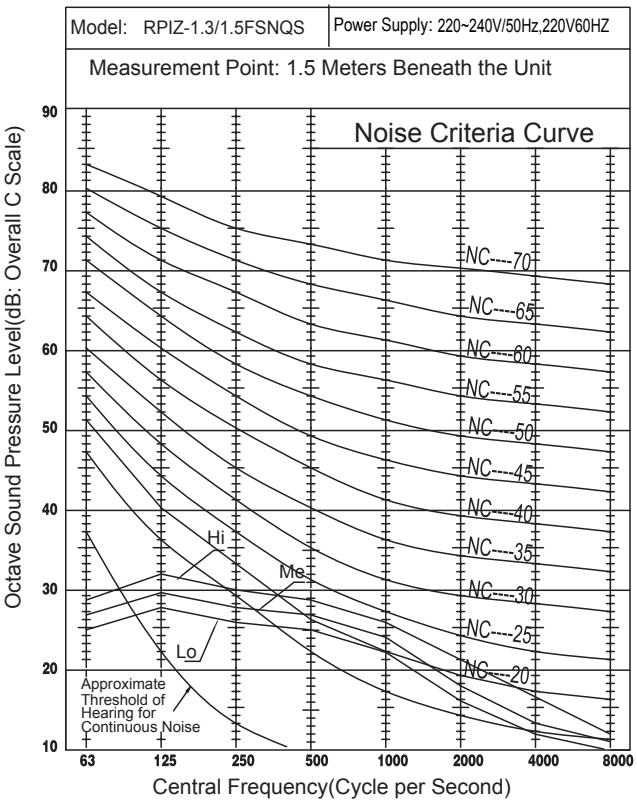






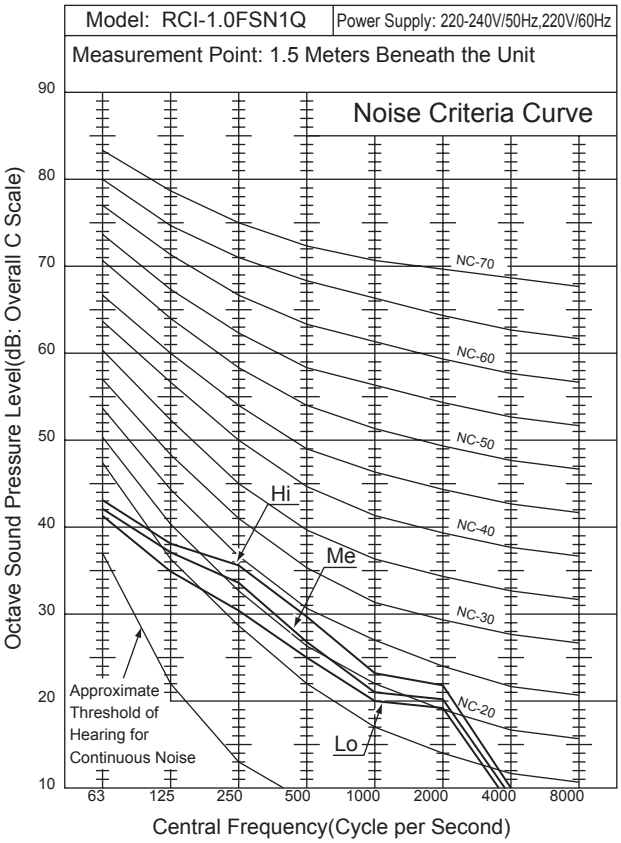
Slim In-the Ceiling Type

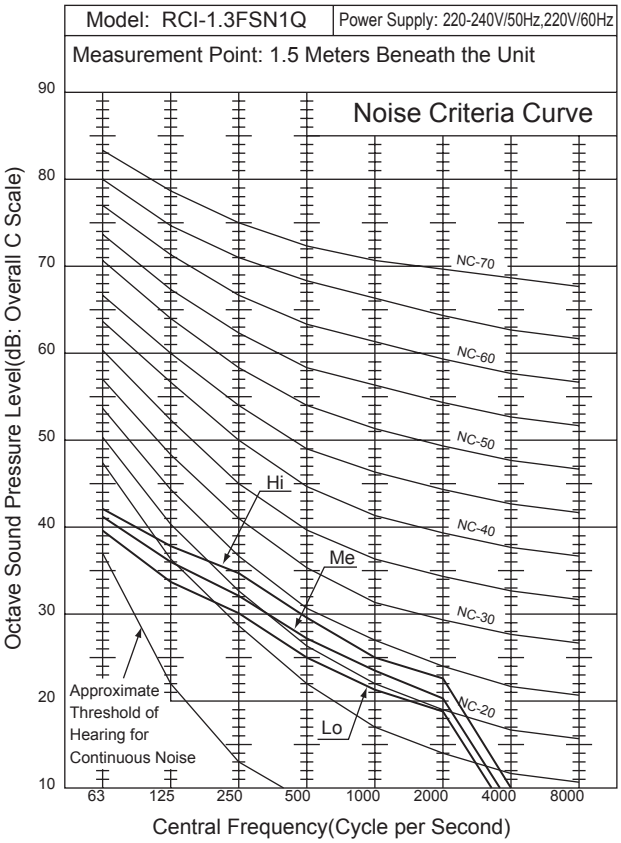


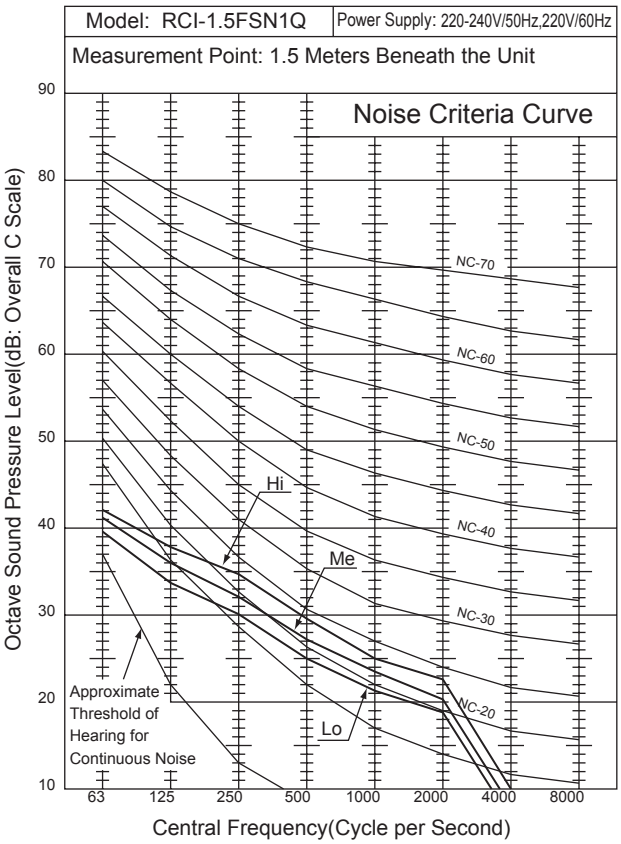


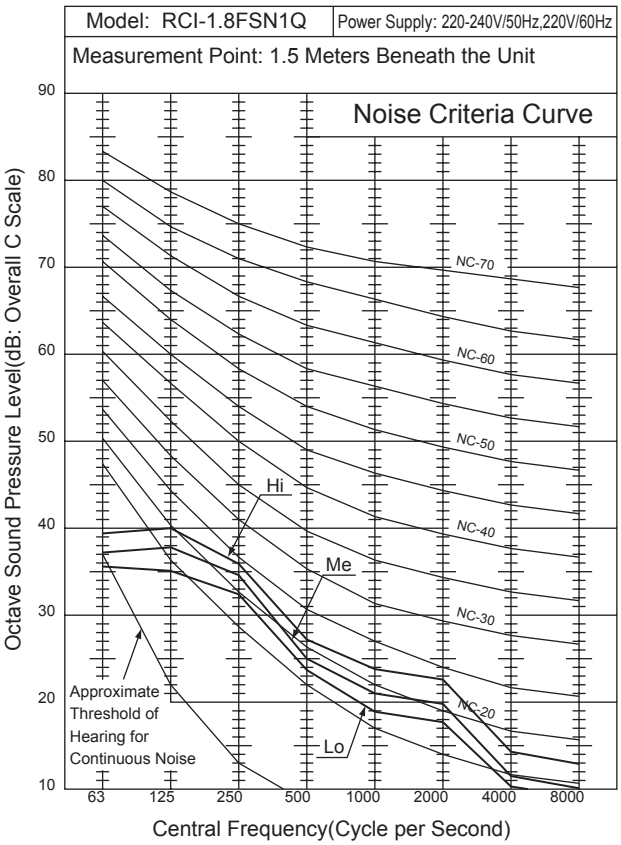
4-Way Cassette Type

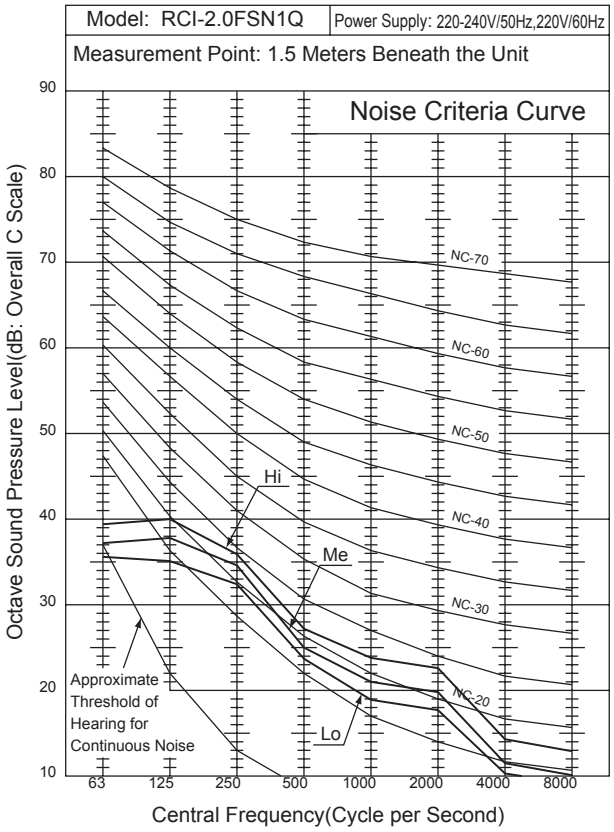
RCI-1.0~6.0FSN1Q

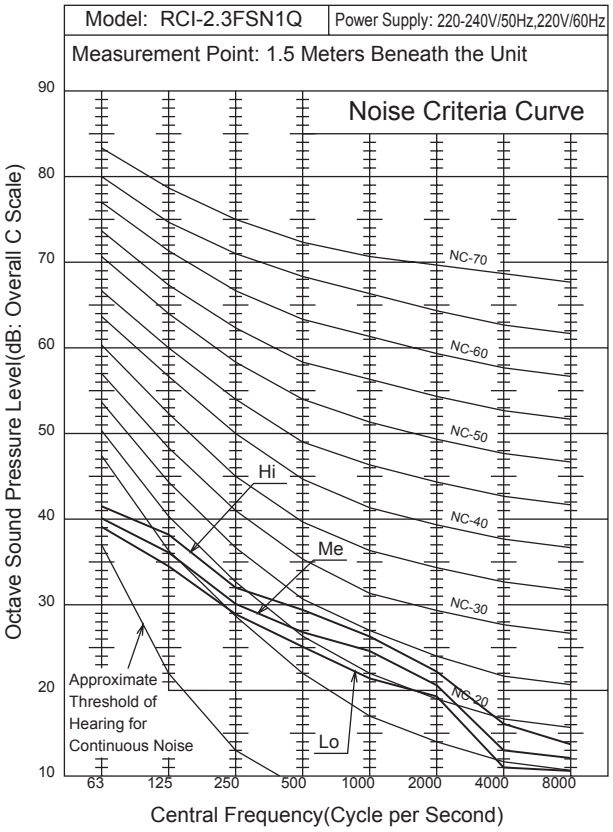


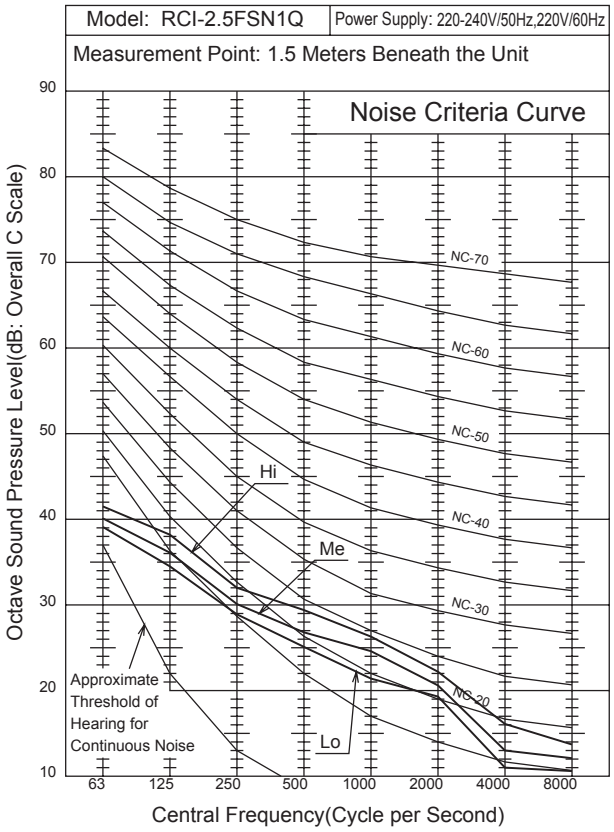


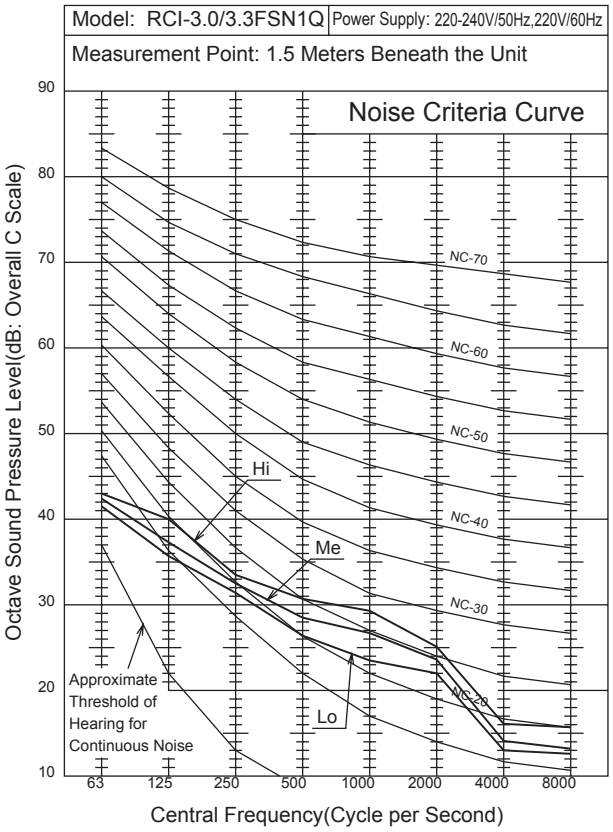


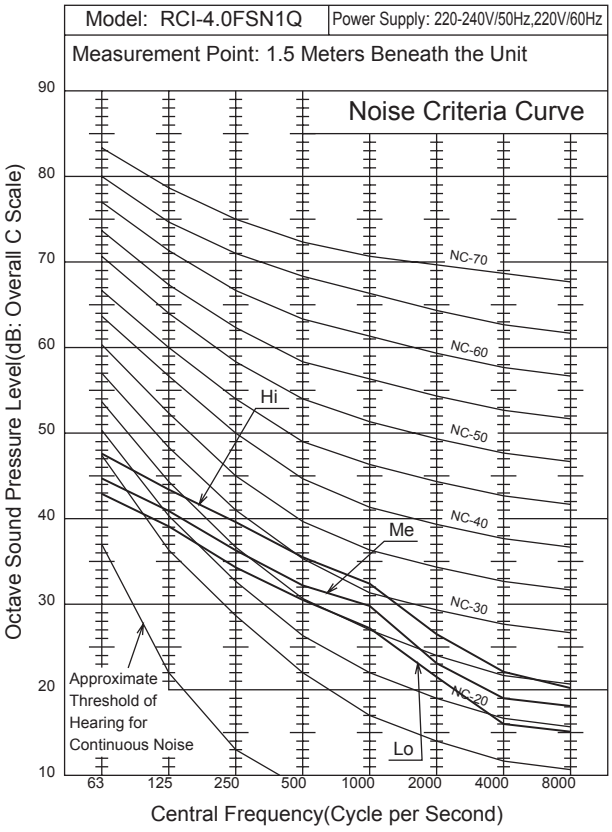


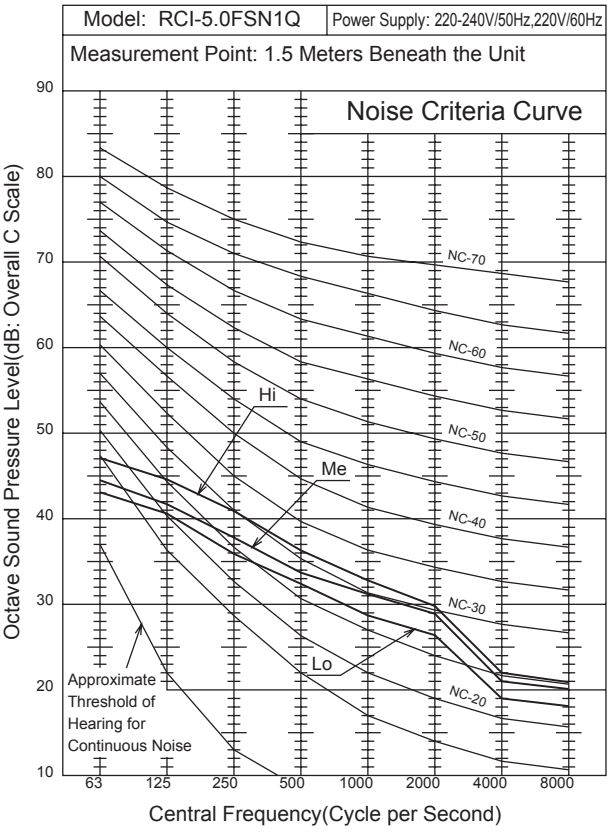

Model: RCI-2.0FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

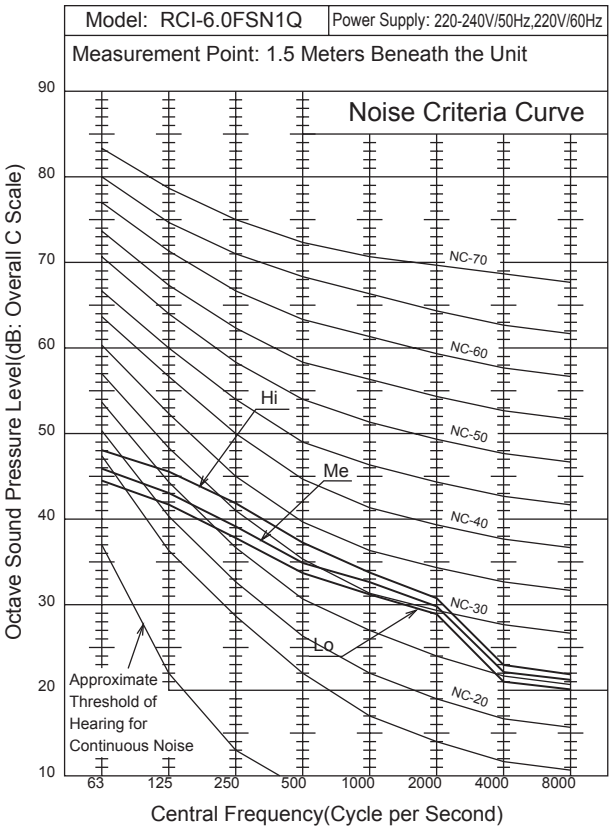

Model: RCI-2.3FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)


Model: RCI-2.5FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)


Model: RCI-3.0/3.3FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

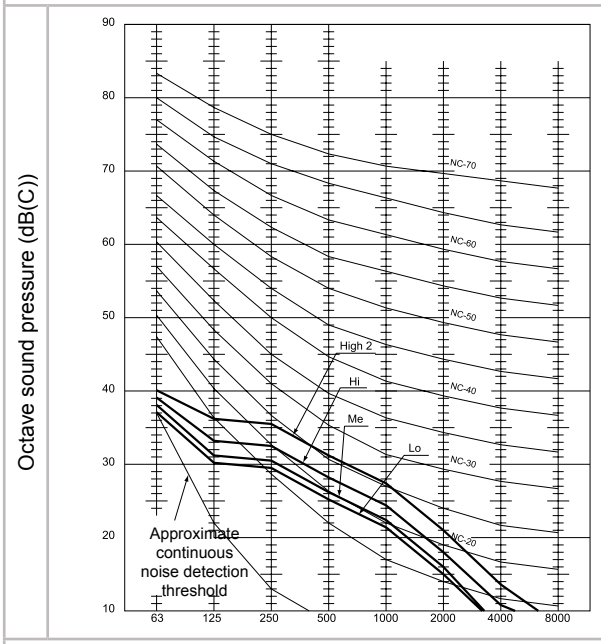

Model: RCI-4.0FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)


Model: RCI-5.0FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)


Model: RCI-6.0FSN1Q
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
90
80
70
60
50
40
30
20
10
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
63
125
250
500
1000
2000
4000
8000
Central Frequency(Cycle per Second)

RCI-1.0~6.0FSKDNQ

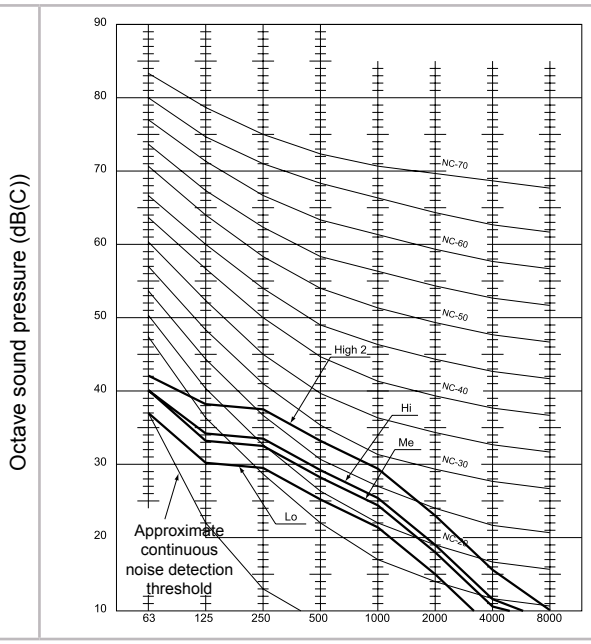
RCI-1.0FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 33/30/28/27 dB(A)

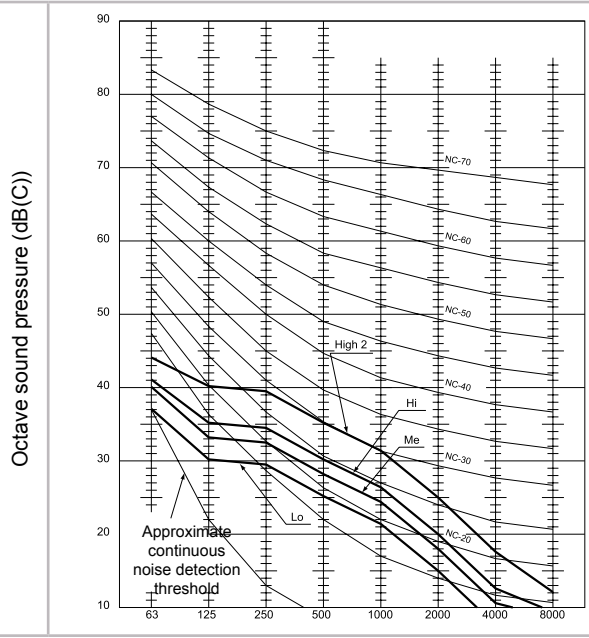
RCI-1.5FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 35/31/30/27 dB(A)

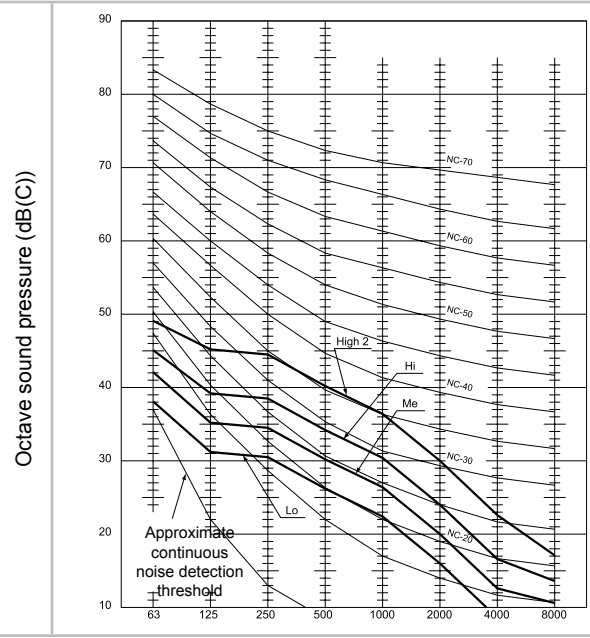
RCI-2.0FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 37/32/30/27 dB(A)

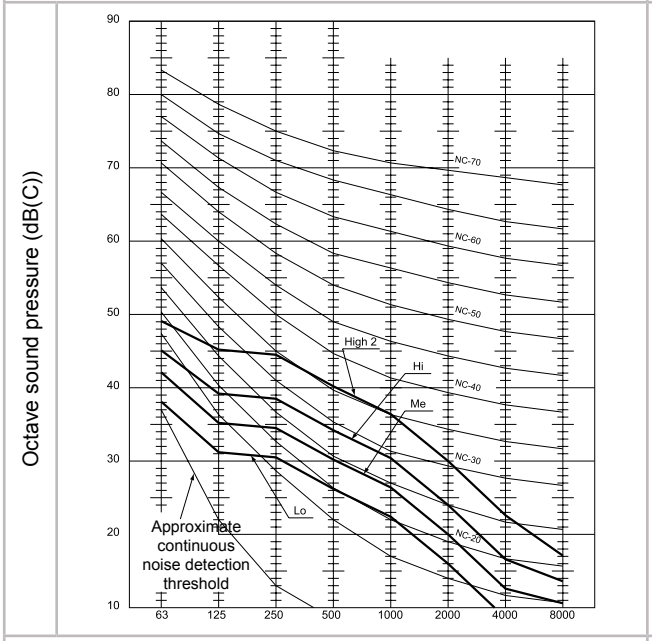
RCI-2.5FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 42/36/32/28 dB(A)

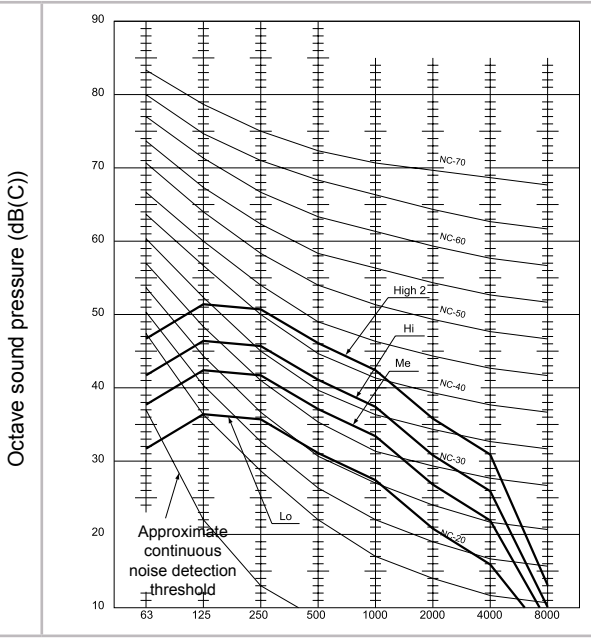
RCI-3.0FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 42/36/32/28 dB(A)

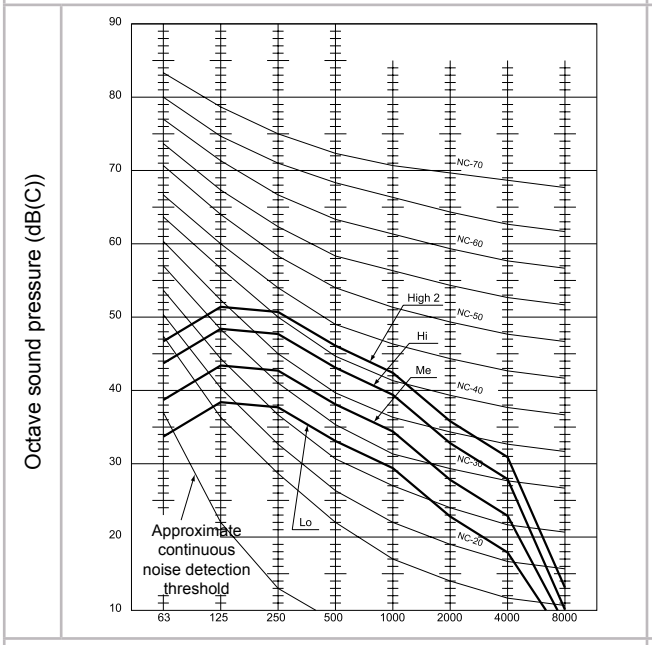
RCI-4.0FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 48/43/39/33 dB(A)

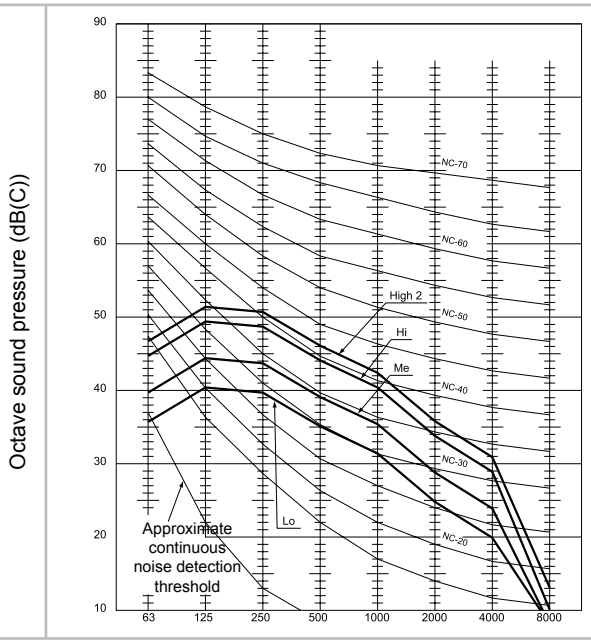
RCI-5.0FSKDNQ



Frequency (Hz)

Fan motor speed: High2/high/med/low: 48/45/40/35 dB(A)

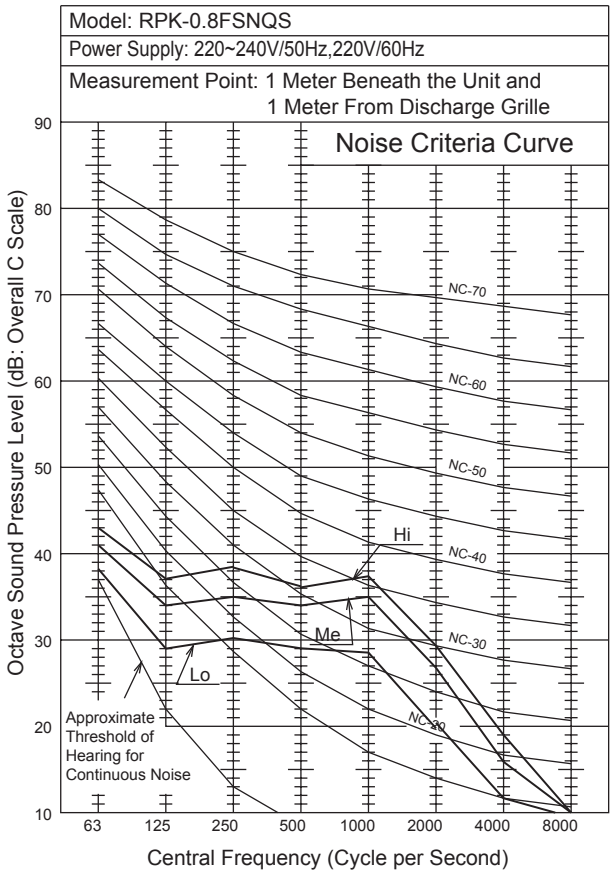
RCI-6.0FSKDNQ

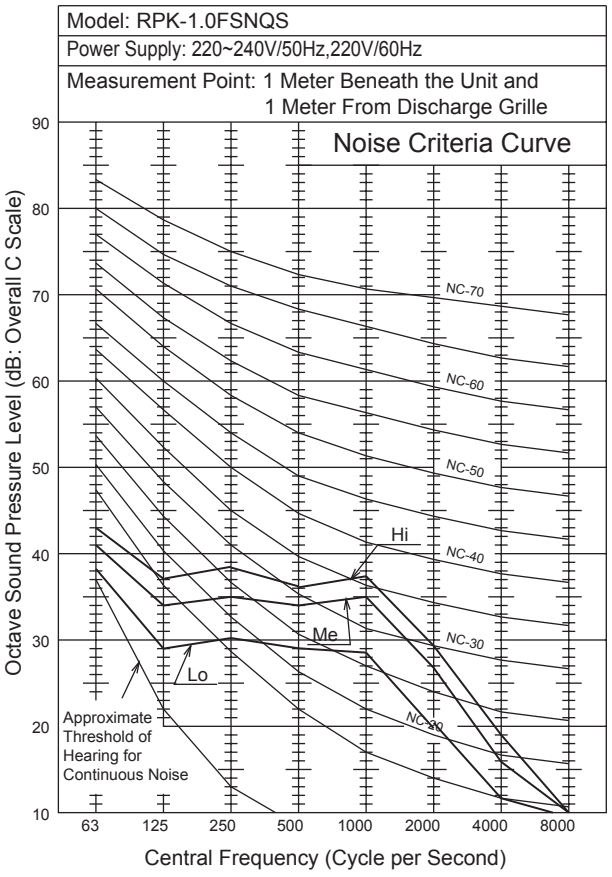


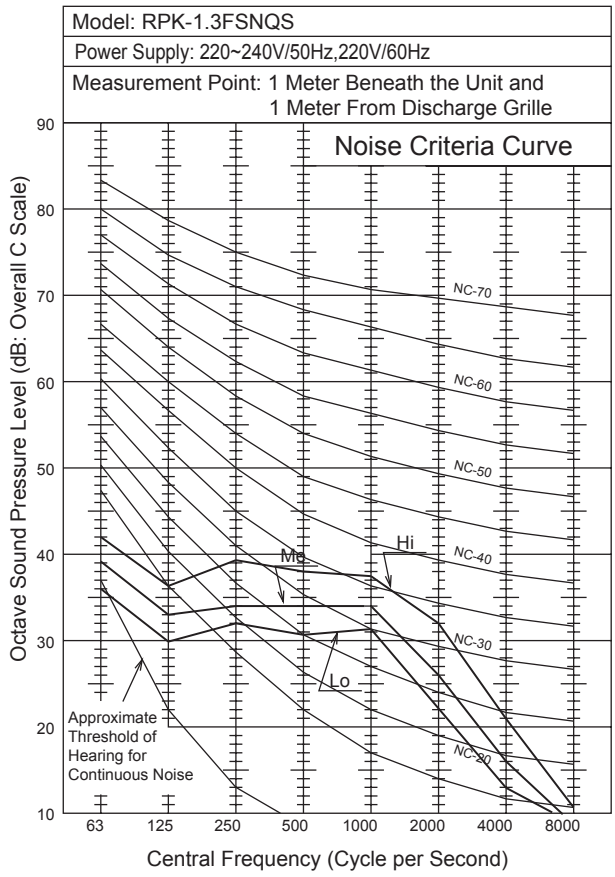
Frequency (Hz)

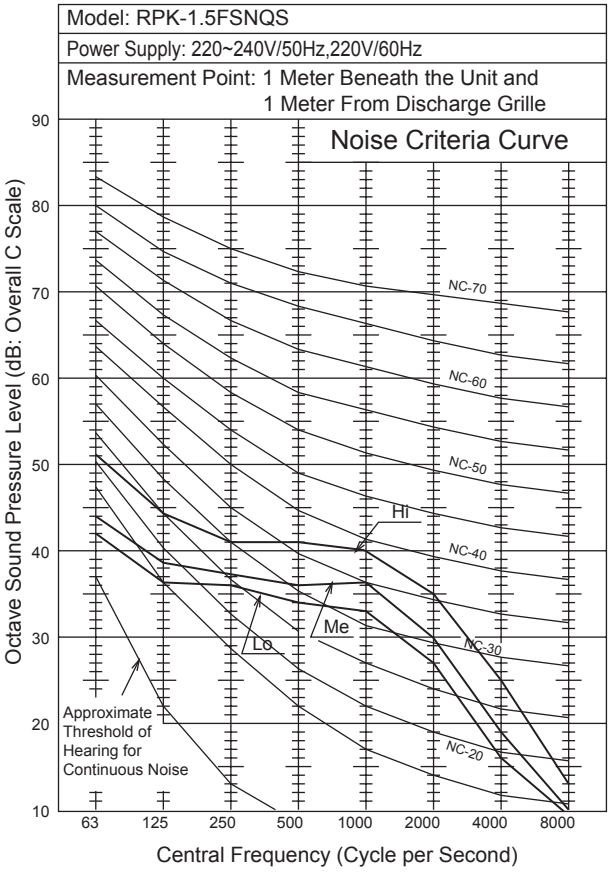
Fan motor speed: High2/high/med/low: 48/46/41/37 dB(A)

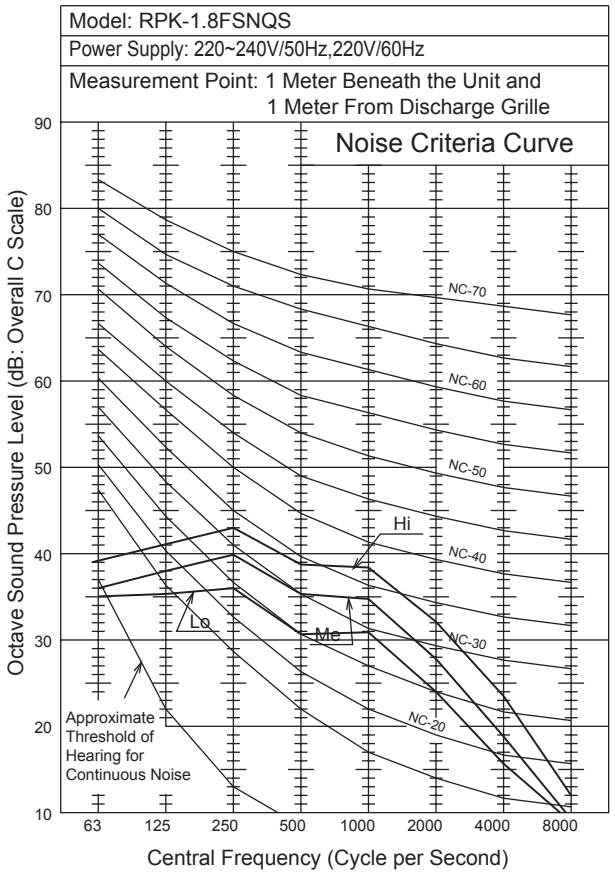
Wall Type

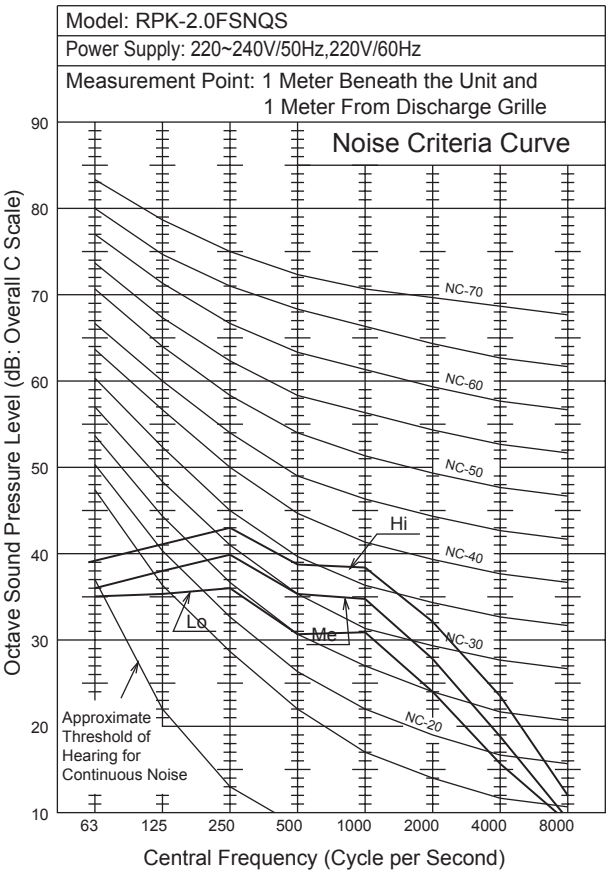

Model: RPK-0.8FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and 1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

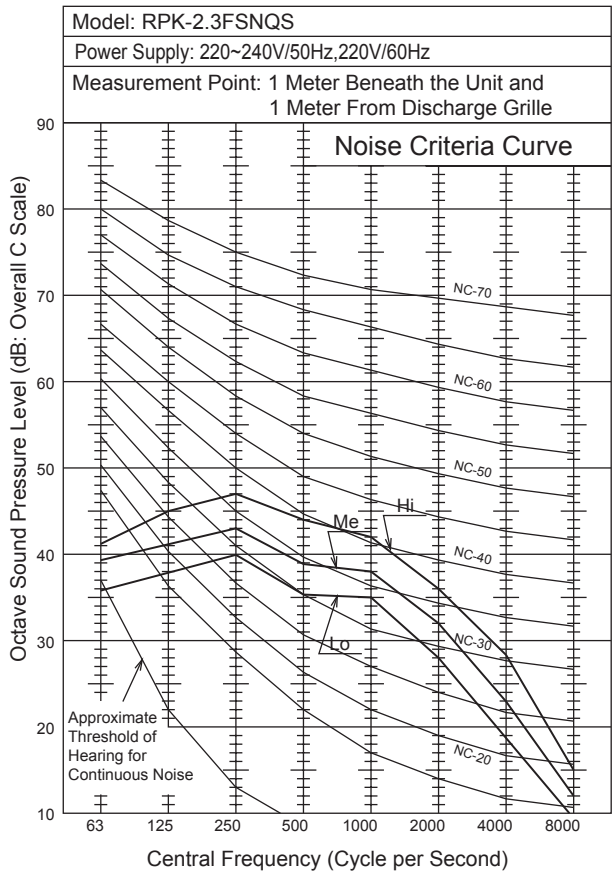

Model: RPK-1.0FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and 1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise


Model: RPK-1.3FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and 1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

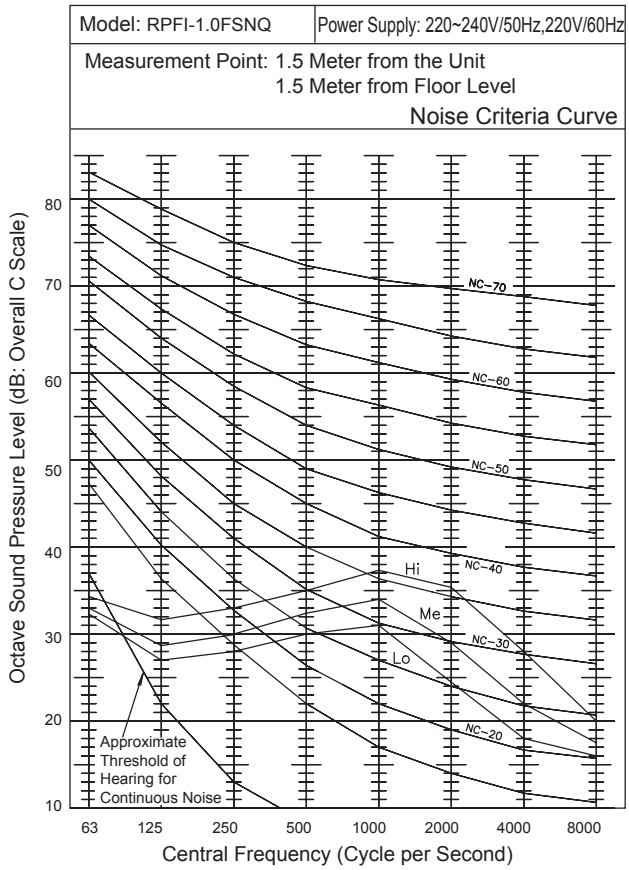

Model: RPK-1.5FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and 1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

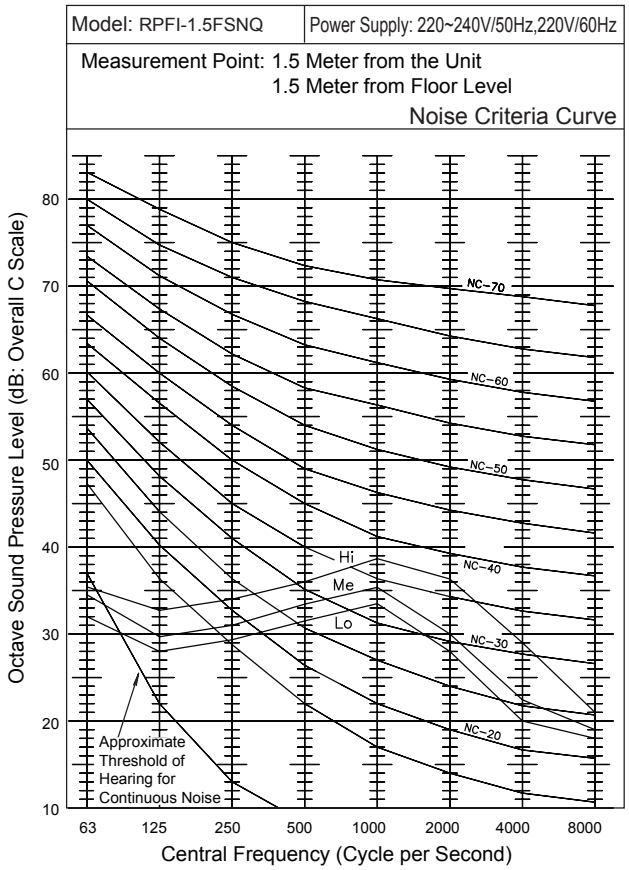

Model: RPK-1.8FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and
1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

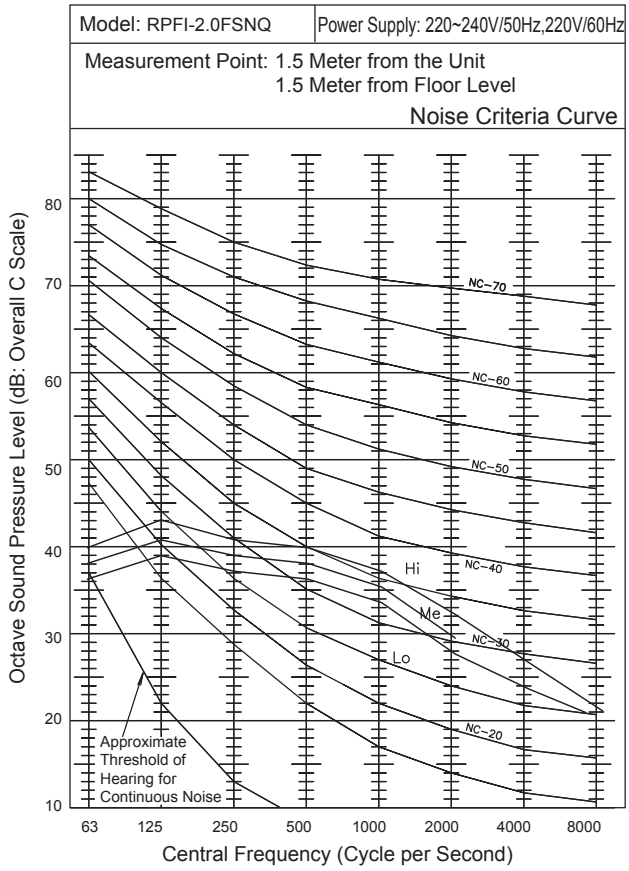

Model: RPK-2.0FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and
1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

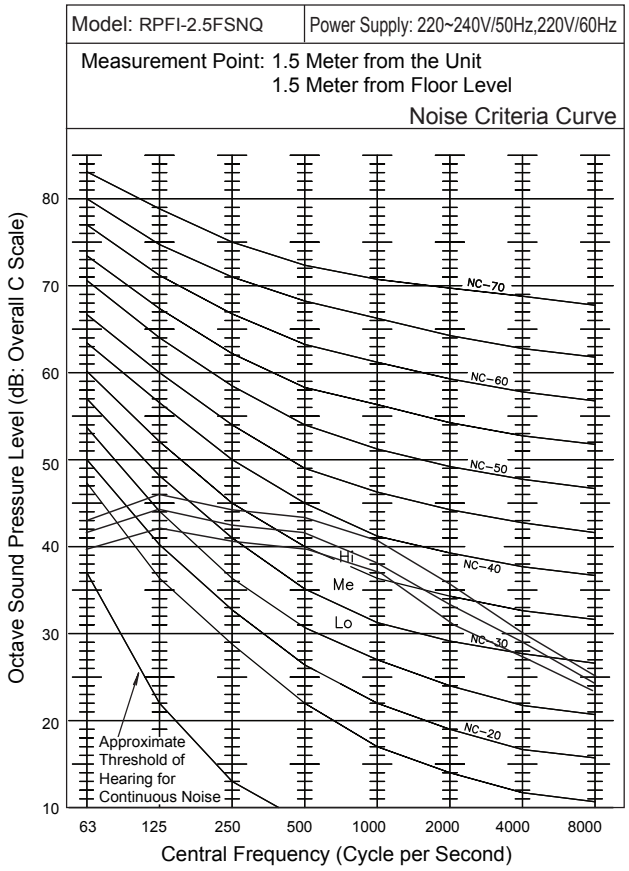

Model: RPK-2.3FSNQS
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1 Meter Beneath the Unit and
1 Meter From Discharge Grille
Noise Criteria Curve
Octave Sound Pressure Level (dB: Overall C Scale)
Central Frequency (Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise

Floor Concealed Type

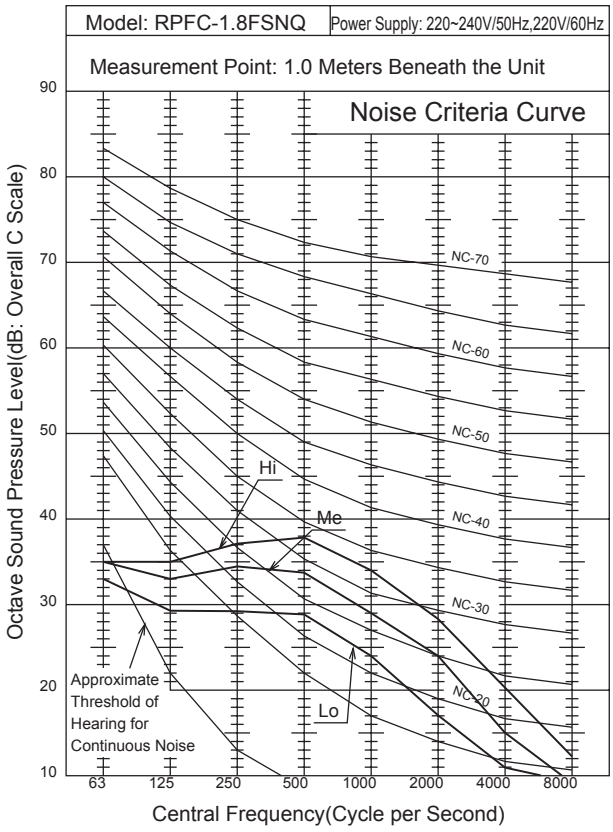


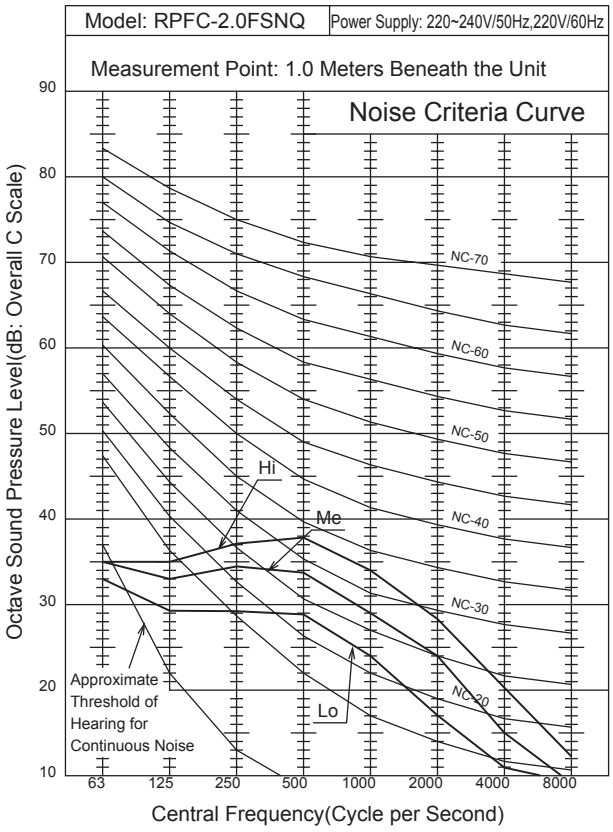


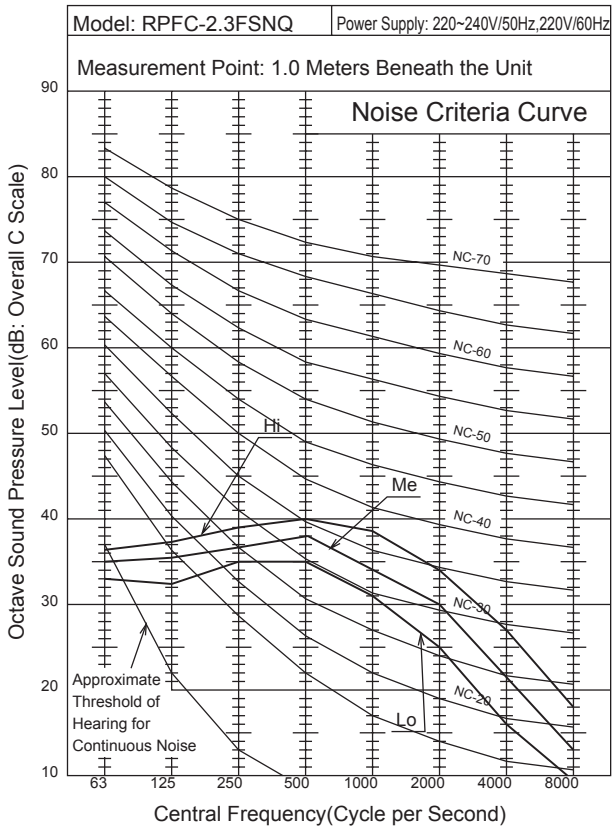


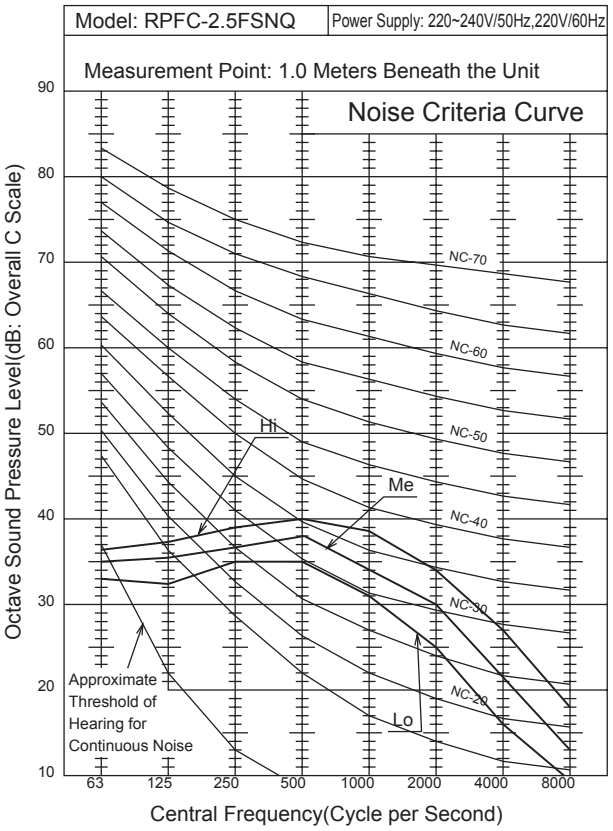


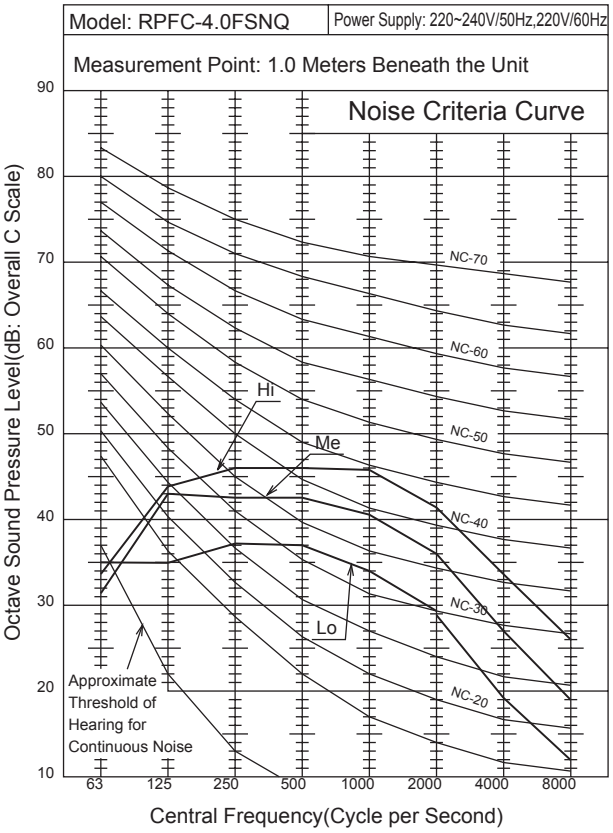
Ceiling & Floor Type

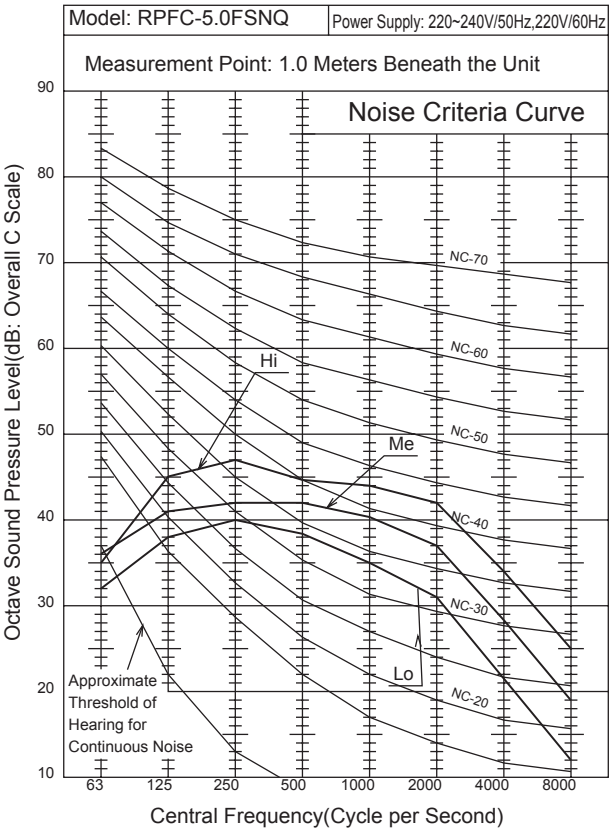


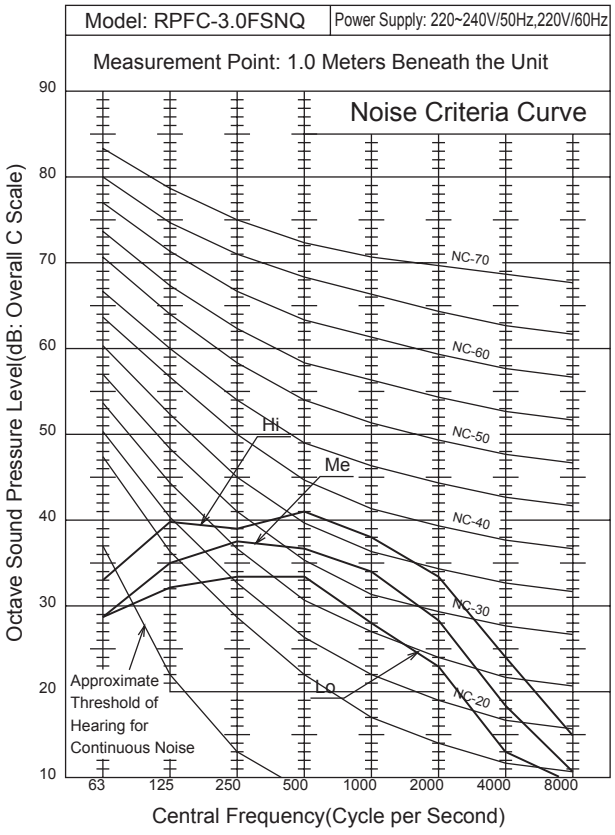


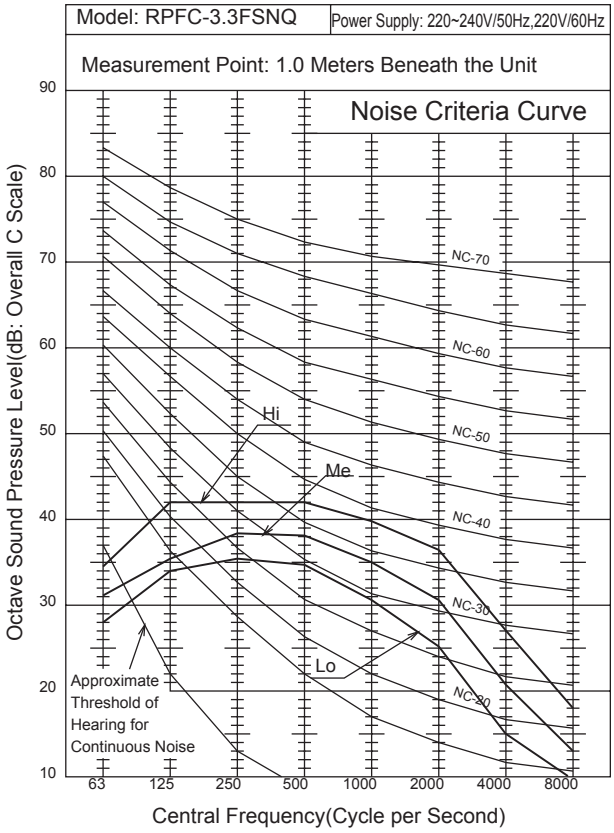





Model: RPFC-4.0FSNQ
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1.0 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000


Model: RPFC-5.0FSNQ
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1.0 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000


Model: RPFC-3.0FSNQ
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1.0 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000


Model: RPFC-3.3FSNQ
Power Supply: 220~240V/50Hz,220V/60Hz
Measurement Point: 1.0 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
Central Frequency(Cycle per Second)
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Hi
Me
Lo
Approximate Threshold of Hearing for Continuous Noise
90
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000

7. Working Range

Power Supply

Working Voltage: 90% to 110% of the Rated Voltage
Voltage Imbalance: Within a 3% Deviation from Each Voltage at the Main Terminal of Outdoor Unit
Starting Voltage: Higher than 85% of the Rated Voltage

Temperature Range

The temperature range are given in the following table.

		Cooling Operation	**Heating Operation**
Indoor Temperature:	Minimum	21°C DB/15.0°C WB	15°C DB
	Maximum	32°C DB/23.0°C WB	27°C DB
Outdoor Temperature:	Minimum	-5°C DB *	-20°C WB *
	Maximum	43°C DB *	15°C WB *

*: The temperature may change depending on the outdoor units.

8. Component Data

Indoor Heat Exchanger and Fan

Model		RPI-0.8FSNQL	RPI-1.0FSNQL	RPI-1.3FSNQL	RPI-1.5FSNQL	RPI-1.8FSNQL
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube				
Tube Material		Copper Tube				
Outer Diameter	mm	7.0	7.0	7.0	7.0	7.0
Rows	—	2	2	3	3	2
Number of Tube/Coil	—	30	30	44	44	30
Fin Material		Aluminum				
Pitch	mm	1.8	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.14	0.14	0.14	0.14	0.21
Number of Coil/Unit	—	1	1	1	1	1
Indoor Fan	—	Multi-Blade Centrifugal Fan				
Number/Unit		1	1	1	1	2
Outer Diameter	mm	186	186	186	186	186
Revolution (220V)	rpm	890/755/635	890/755/635	1,050/900/750	1,050/900/750	990/835/700
Nominal Air Flow	m^3/min.	8/7/6	8/7/6	13/11/9	13/11/9	15/13/11
Indoor Fan Motor		Drip-Proof Type Enclosure				
Starting Method	—	PSC (Permanent Split Capacitor)				
Nominal Output	W	20	20	40	40	45
Quantity	—	1	1	1	1	1
Insulation Class	—	B	B	B	B	B

Model		RPI-2.0FSNQL	RPI-2.3FSNQL	RPI-2.5FSNQL	RPI-3.0FSNQL	RPI-3.3FSNQL
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube				
Tube Material		Copper Tube				
Outer Diameter	mm	7.0	7.0	7.0	7.0	7.0
Rows	—	2	3	3	2	2
Number of Tube/Coil	—	30	44	44	42	42
Fin Material		Aluminum				
Pitch	mm	1.8	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.21	0.21	0.21	0.29	0.29
Number of Coil/Unit	—	1	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan				
Number/Unit	—	2	2	2	2	2
Outer Diameter	mm	186	186	186	204	204
Revolution (220V)	rpm	990/835/700	990/835/700	990/835/700	1,170/1,000/825	1,170/1,000/825
Nominal Air Flow	m^3/min.	15/13/11	16/14/12	16/14/12	25/21/17	25/21/17
Indoor Fan Motor		Drip-Proof Type Enclosure				
Starting Method	—	PSC (Permanent Split Capacitor)				
Nominal Output	W	45	45	45	100	100
Quantity	—	1	1	1	1	1
Insulation Class	—	B	B	B	F	F

Indoor Heat Exchanger and Fan

Model		RPI-4.0FSNQL	RPI-5.0FSNQL	RPI-6.0FSNQL	RPI-8.0FSN3Q	RPI-10.0FSN3Q
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube				
Tube Material		Copper Tube				
Outer Diameter	mm	7.0	7.0	7.0	9.53	9.53
Rows	—	3	3	3	3	3
Number of Tube/Coil	—	62	62	62	66	66
Fin Material		Aluminum				
Pitch	mm	1.8	1.8	1.6	1.9	1.9
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.29	0.46	0.46	0.51	0.62
Number of Coil/Unit	—	1	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan				
Number/Unit	—	2	2	2	2	2
Outer Diameter	mm	204	204	204	280	280
Revolution (220V)	rpm	1,170/1,000/825	1,190/1,005/835	1,200/980/850	1,250	1,270
Nominal Air Flow	m^3/min.	27/23/19	37/31/25	38/35/29	58(56*)	72(70*)
Indoor Fan Motor		Drip-Proof Type Enclosure				
Starting Method	—	PSC (Permanent Split Capacitor)			DOL (Direct-on-Line)	
Nominal Output	W	100	140	180	500	630
Quantity	—	1	1	1	1	1
Insulation Class	—	F	F	F	F	F

Model		RPI-0.8FSNQH	RPI-1.0FSNQH	RPI-1.3FSNQH	RPI-1.5FSNQH	RPI-1.8FSNQH
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube				
Tube Material		Copper Tube				
Outer Diameter	mm	7.0	7.0	7.0	7.0	7.0
Rows	—	2	2	3	3	2
Number of Tube/Coil	—	30	30	44	44	30
Fin Material		Aluminum				
Pitch	mm	1.8	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.14	0.14	0.14	0.14	0.21
Number of Coil/Unit	—	1	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan				
Number/Unit	—	1	1	1	1	2
Outer Diameter	mm	186	186	186	186	186
Revolution (220V)	rpm	890/755/635	890/755/635	1,050/900/750	1,050/900/750	990/835/700
Nominal Air Flow	m^3/min.	8/7/6	8/7/6	13/11/9	13/11/9	15/13/11
Indoor Fan Motor		Drip-Proof Type Enclosure PSC				
Starting Method	—	(Permanent Split Capacitor)				
Nominal Output	W	35	35	80	80	75
Quantity	—	1	1	1	1	1
Insulation Class	—	B	B	B	B	B

*:The data in brackets () is rated output power when the power supply is 60Hz.

Model		RPI-2.0FSNQH	RPI-2.3FSNQH	RPI-2.5FSNQH	RPI-3.0FSNQH	RPI-3.3FSNQH
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube				
Tube Material		Copper Tube				
Outer Diameter	mm	7.0	7.0	7.0	7.0	7.0
Rows	—	2	3	3	2	2
Number of Tube/Coil	—	30	44	44	42	42
Fin Material		Aluminum				
Pitch	mm	1.8	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.21	0.21	0.21	0.29	0.29
Number of Coil/Unit	—	1	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan				
Number/Unit	—	2	2	2	2	2
Outer Diameter	mm	186	186	186	204	204
Revolution (220V)	rpm	990/835/700	990/835/700	990/835/700	1,170/1,000/825	1,170/1,000/825
Nominal Air Flow	m^3/min.	15/13/11	16/14/12	16/14/12	25/21/17	25/21/17
Indoor Fan Motor		Drip-Proof Type Enclosure PSC				
Starting Method	—	(Permanent Split Capacitor)				
Nominal Output	W	75	75	75	120	120
Quantity	—	1	1	1	1	1
Insulation Class	—	B	B	B	F	F

Model		RPI-4.0FSNQH	RPI-5.0FSNQH	RPI-6.0FSNQH	RPI-8.0FSNQ	RPI-10.0FSNQ
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube				
Tube Material		Copper Tube				
Outer Diameter	mm	7.0	7.0	7.0	9.53	9.53
Rows	—	3	3	3	3	3
Number of Tube/Coil	—	62	62	62	66	66
Fin Material		Aluminum				
Pitch	mm	1.8	1.8	1.6	1.9	1.9
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.29	0.46	0.46	0.51	0.62
Number of Coil/Unit	—	1	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan				
Number/Unit	—	2	2	2	2	2
Outer Diameter	mm	204	204	204	280	280
Revolution (220V)	rpm	1,170/1,000/825	1,190/1,005/835	1,200/980/850	1,250	1,270
Nominal Air Flow	m^3/min.	27/23/19	37/31/25	38/35/29	58	72
Indoor Fan Motor		Drip-Proof Type				
Starting Method	—	Enclosure PSC（Permanent Split Capacitor）			DOL (Direct-on-Line)	
Nominal Output	W	120	200	250	750	990（900*）
Quantity	—	1	1	1	1	1
Insulation Class	—	F	F	F	F	F

*:The data in brackets () is rated output power when the power supply is 60Hz.

Model		RPI-8.0FSNQH	RPI-10.0FSNQH
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube	
Tube Material		Copper Tube	
Outer Diameter	mm	9.53	9.53
Rows	—	3	3
Number of Tube/Coil	—	54	54
Fin Material		Aluminum	
Pitch	mm	1.8	1.9
Maximum Operating Pressure	MPa	4.15	4.15
Total Face Area	m^2	0.56	0.62
Number of Coil/Unit	—	1	1
Indoor Fan		Multi-Blade Centrifugal Fan	
Number/Unit	—	2	2
Outer Diameter	mm	250	250
Revolution (220V)	rpm	1320	1320
Nominal Air Flow	m^3/h	4000	4320
Indoor Fan Motor		Drip-Proof Type Enclosure	
Starting Method	—	PSC (Permanent Split Capacitor)	
Nominal Output	W	1100	1100
Quantity	—	2	2
Insulation Class	—	F	F

Indoor Heat Exchanger and Fan

Model		RPIZ-0.8FSN1Q	RPIZ-1.0FSN1Q	RPIZ-1.3FSN1Q	RPIZ-1.5FSN1Q
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	2	2	3	3
Number of Tube/Coil	—	18	18	26	26
Fin Material		Aluminum			
Pitch	mm	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.13	0.13	0.13	0.13
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	2	2	2	2
Outer Diameter	mm	130	130	130	130
Revolution (220V)	rpm	1,055/960/850	1,055/960/850	1,198/1,068/994	1,198/1,068/994
Nominal Air Flow	m^3/min.	8/7/6	8/7/6	10/8/7	10/8/7
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	PSC (Permanent Split Capacitor)			
Nominal Output	W	20	20	30（35*）	30（35*）
Quantity	—	1	1	1	1
Insulation Class	—	B	B	B	B

Model		RPIZ-1.8FSN1Q	RPIZ-2.0FSN1Q	RPIZ-2.3FSN1Q	RPIZ-2.5FSN1Q
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	3	3	3	3
Number of Tube/Coil	—	26	26	26	26
Fin Material		Aluminum			
Pitch	mm	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.18	0.18	0.18	0.18
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	3	3	3	3
Outer Diameter	mm	130	130	130	130
Revolution (220V)	rpm	1,210/1,106/1,002	1,210/1,106/1,002	1,293/1,220/1,106	1,293/1,220/1,106
Nominal Air Flow	m^3/min.	14.5/12.5/10.5	14.5/12.5/10.5	16/14/12	16/14/12
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	PSC (Permanent Split Capacitor)			
Nominal Output	W	45	45	50	50
Quantity	—	1	1	1	1
Insulation Class	—	B	B	F	F

*:The data in brackets () is rated output power when the power supply is 60Hz.

Indoor Heat Exchanger and Fan

Model		RPIZ-0.8FSNQS	RPIZ-1.0FSNQS	RPIZ-1.3FSNQS	RPIZ-1.5FSNQS
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	2	2	2	2
Number of Tube/Coil	—	26	26	26	26
Fin Material		Aluminum			
Pitch	mm	1.6	1.6	1.6	1.6
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.14	0.14	0.14	0.14
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	2	2	2	2
Outer Diameter	mm	130	130	130	130
Revolution (220V)	rpm	1,210/1,106/1,002	1,210/1,106/1,002	1,293/1,220/1,106	1,293/1,220/1,106
Nominal Air Flow	m^3/h	8/7/6	8/7/6	10/8/7	10/8/7
Indoor Fan Motor		Drip-Proof Type Enclosure PSC			
Starting Method	—	(Permanent Split Capacitor)			
Nominal Output	W	15（20*）	15（20*）	25（35*）	25（35*）
Quantity	—	1	1	1	1
Insulation Class	—	B	B	B	B

Model		RCI-1.0FSN1Q	RCI-1.3FSN1Q	RCI-1.5FSN1Q	RCI-1.8FSN1Q
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	1	1	1	2
Number of Tube/Coil	—	8	8	8	16
Fin Material		Aluminum			
Pitch	mm	1.5	1.5	1.5	1.5
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.39	0.39	0.39	0.39
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	1	1	1	1
Outer Diameter	mm	490	490	490	490
Revolution (220V)	rpm	290/270/250	335/285/250	335/285/250	340/295/245
Nominal Air Flow	m^3/min.	13/12/11	15/13.5/12	15/13.5/12	16/14/12
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	DC Driven			
Nominal Output	W	56	56	56	56
Quantity	—	1	1	1	1
Insulation Class	—	E	E	E	E

*:The data in brackets () is rated output power when the power supply is 60Hz.

Indoor Heat Exchanger and Fan

Model		RCI-2.0FSN1Q	RCI-2.3FSN1Q	RCI-2.5FSN1Q	RCI-3.0FSN1Q
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	2	2	2	2
Number of Tube/Coil	—	16	16	16	20
Fin Material		Aluminum			
Pitch	mm	1.5	1.5	1.5	1.5
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.39	0.39	0.39	0.49
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	1	1	1	1
Outer Diameter	mm	490	490	490	490
Revolution (220V)	rpm	340/295/245	380/340/290	380/340/290	475/420/340
Nominal Air Flow	m^3/min.	16/14/12	19/17/14	20/17/15	26/23/20
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	DC Driven			
Nominal Output	W	56	56	56	56
Quantity	—	1	1	1	1
Insulation Class	—	E	E	E	E

Model		RCI-3.3FSN1Q	RCI-4.0FSN1Q	RCI-5.0FSN1Q	RCI-6.0FSN1Q
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	2	3	3	3
Number of Tube/Coil	—	20	30	30	30
Fin Material		Aluminum			
Pitch	mm	1.5	1.5	1.5	1.5
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.49	0.49	0.49	0.49
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	1	1	1	1
Outer Diameter	mm	490	490	490	490
Revolution (220V)	rpm	475/420/340	585/485/440	630/515/450	640/525/460
Nominal Air Flow	m^3/min.	26/23/20	32/28/24	34/29/25	37/32/27
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	DC Driven			
Nominal Output	W	56	108	108	108
Quantity	—	1	1	1	1
Insulation Class	—	E	E	E	E

Indoor Heat Exchanger and Fan

MODEL		RCI-1.0FSKDNQ	RCI-1.5FSKDNQ	RCI-2.0FSKDNQ	RCI-2.5FSKDNQ
Heat exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube material	—	Copper Tube			
Outer diameter	mm	5	5	5	5
Rows of tubes	—	2	2	2	3
Number of tubes in the coil	—	20	28	28	42
Fin material	—	Aluminium			
Fin pitch	mm	1.3	1.3	1.3	1.3
Maximum operating pressure	MPa	4.15	4.15	4.15	4.15
Total front area	m^2	0.29	0.41	0.41	0.41
Number of coils per unit	—	1	1	1	1
Fan					
Fan type	—	Multi-blade turbo fan			
Fans per unit	—	1	1	1	1
Outer diameter	mm	490	490	490	490
Motor					
Shell	—	Drip-Proof Type Enclosure			
Starting	—	DC Motor			
Quantity	—	1	1	1	1
Insulation class	—	E	E	E	E

MODEL		RCI-3.0FSKDNQ	RCI-4.0FSKDNQ	RCI-5.0FSKDNQ	RCI-6.0FSKDNQ
Heat exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube material	—	Copper Tube			
Outer diameter	mm	5	5	5	5
Rows of tubes	—	3	3	3	3
Number of tubes in the coil	—	54	54	54	54
Fin material	—	Aluminium			
Fin pitch	mm	1.3	1.3	1.3	1.3
Maximum operating pressure	MPa	4.15	4.15	4.15	4.15
Total front area	m^2	0.52	0.52	0.52	0.52
Number of coils per unit	—	1	1	1	1
Fan					
Fan type	—	Multi-blade turbo fan			
Fans per unit	—	1	1	1	1
Outer diameter	mm	490	490	490	490
Motor					
Shell	—	Drip-Proof Type Enclosure			
Starting	—	DC Motor			
Quantity	—	1	1	1	1
Insulation class	—	E	E	E	E

Indoor Heat Exchanger and Fan

Model		RPK-0.8FSNQS	RPK-1.0FSNQS	RPK-1.3FSNQS	RPK-1.5FSNQS
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7	7	7	7
Rows	—	2	2	2	2
Number of Tube/Coil	—	34	34	34	34
Fin Material		Aluminum			
Pitch	mm	1.25	1.25	1.25	1.25
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.20	0.20	0.20	0.20
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	1	1	1	1
Outer Diameter	mm	103	103	103	103
Revolution	rpm	980/900/750	980/900/750	1,050/900/800	1,150/980/900
Nominal Air Flow	m^3/min.	8.5/7.5/6.5	8.5/7.5/6.5	9.2/7.5/6.5	10/8.5/7.5
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	DC Motor			
Nominal Output	W	14.7	14.7	14.7	14.7
Quantity	—	1	1	1	1
Insulation Class	—	E	E	E	E

Indoor Heat Exchanger and Fan

Model		RPK-1.8FSNQS	RPK-2.0FSNQS	RPK-2.3FSNQS
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube		
Tube Material		Copper Tube		
Outer Diameter	mm	7	7	7
Rows	—	2	2	2
Number of Tube/Coil	—	34	34	34
Fin Material		Aluminum		
Pitch	mm	1.25	1.25	1.25
Maximum Operating Pressure	MPa	4.15	4.15	4.15
Total Face Area	m^2	0.28	0.28	0.28
Number of Coil/Unit	—	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan		
Number/Unit	—	1	1	1
Outer Diameter	mm	115	115	115
Revolution	rpm	1,000/900/800	1,000/900/800	1,100/1,000/900
Nominal Air Flow	m^3/min.	12/10.3/8.7	12/10.3/8.7	13.7/12/10.3
Indoor Fan Motor		Drip-Proof Type Enclosure		
Starting Method	—	DC Motor		
Nominal Output	W	30	30	30
Quantity	—	1	1	1
Insulation Class	—	E	E	E

Model		RPFI-1.0FSNQ	RPFI-1.5FSNQ	RPFI-2.0FSNQ	RPFI-2.5FSNQ
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7	7	7	7
Rows	—	2	3	3	3
Number of Tube/Coil	—	18	26	26	26
Fin Material		Aluminum			
Pitch	mm	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.13	0.13	0.18	0.18
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	2	2	3	3
Outer Diameter	mm	130	130	130	130
Revolution	rpm	1055/960/850	1198/1068/994	1210/1106/1002	1293/1200/1106
Nominal Air Flow	m^3/min.	8/7/6	10/8/7	14.5/12.5/10.5	16/14/12
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	Permanent Condenser			
Nominal Output	W	20	35	40	50
Quantity	—	1	1	1	1
Insulation Class	—	B	B	B	F

Indoor Heat Exchanger and Fan

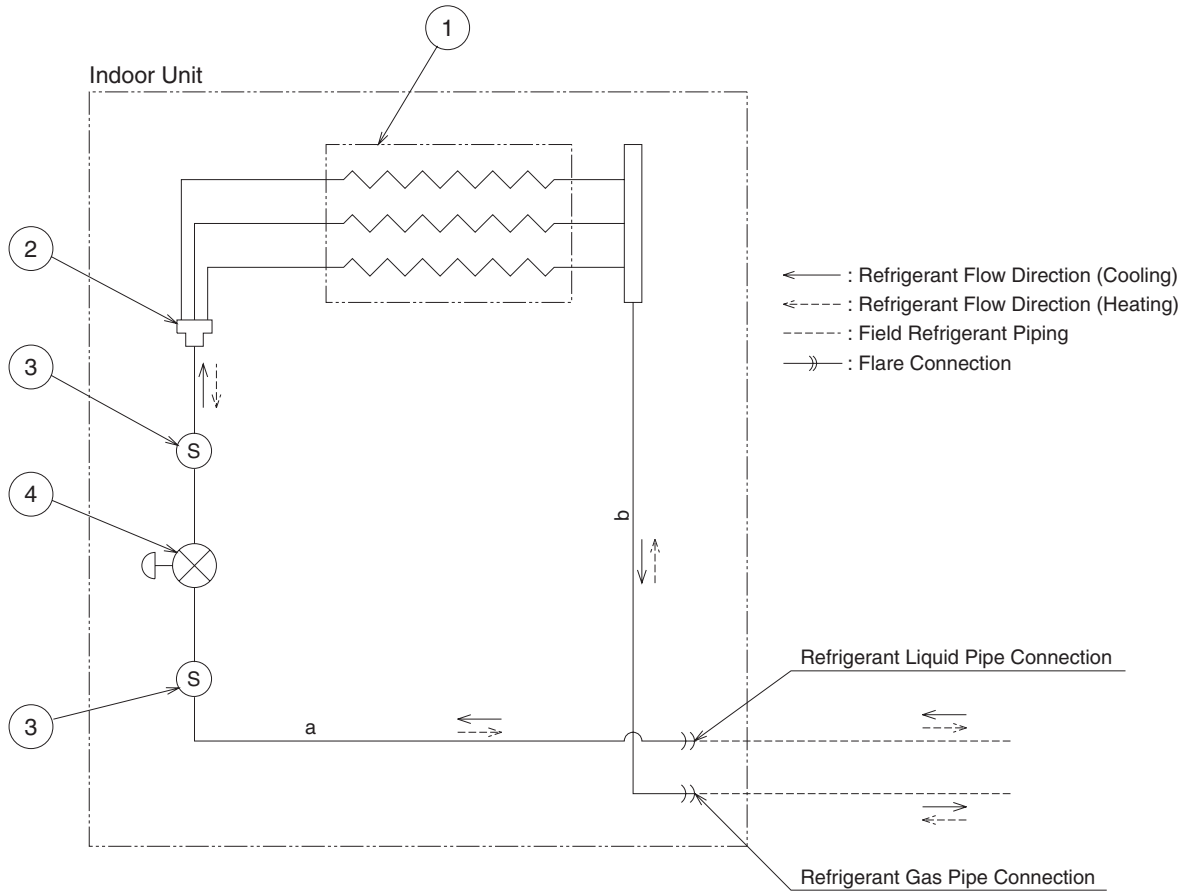
Model		RPFC-1.8FSNQ	RPFC-2.0FSNQ	RPFC-2.3FSNQ	RPFC-2.5FSNQ
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	3	3	3	3
Number of Tube/Coil	—	23	23	23	23
Fin Material		Aluminum			
Pitch	mm	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.22	0.22	0.22	0.22
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	2	2	2	2
Outer Diameter	mm	161	161	161	161
Revolution (220V)	rpm	850/745/630	850/745/630	1035/910/800	1035/910/800
Nominal Air Flow	m^3/h	780/660/540	780/660/540	966/840/678	966/840/678
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	DC Driven			
Nominal Output	W	40	40	70	70
Quantity	—	1	1	1	1
Insulation Class	—	E	E	E	E

Model		RPFC-3.0FSNQ	RPFC-3.3FSNQ	RPFC-4.0FSNQ	RPFC-5.0FSNQ
Heat Exchanger Type	—	Multi-Pass Cross Finned Tube			
Tube Material		Copper Tube			
Outer Diameter	mm	7.0	7.0	7.0	7.0
Rows	—	3	3	3	3
Number of Tube/Coil	—	23	23	23	23
Fin Material		Aluminum			
Pitch	mm	1.8	1.8	1.8	1.8
Maximum Operating Pressure	MPa	4.15	4.15	4.15	4.15
Total Face Area	m^2	0.30	0.30	0.30	0.39
Number of Coil/Unit	—	1	1	1	1
Indoor Fan		Multi-Blade Centrifugal Fan			
Number/Unit	—	3	3	3	4
Outer Diameter	mm	161	161	161	161
Revolution (220V)	rpm	920/790/660	980/835/720	1210/1010/835	1200/1045/890
Nominal Air Flow	m^3/h	1092/912/732	1164/978/798	1488/1230/978	1980/1680/1380
Indoor Fan Motor		Drip-Proof Type Enclosure			
Starting Method	—	DC Driven			
Nominal Output	W	70	80	130	160
Quantity	—	1	1	1	1
Insulation Class	—	E	E	E	E

9. Control System

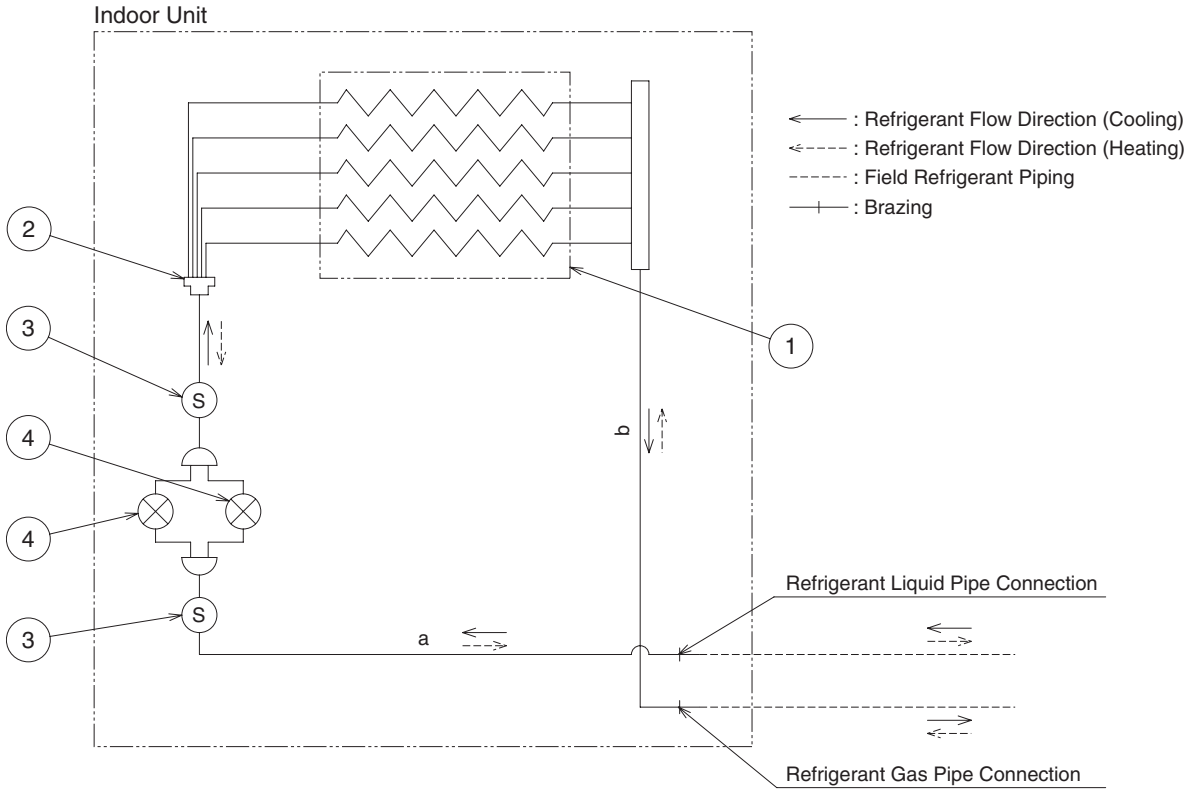
9.1 Refrigeration Cycle

RPI-0.8~6.0FSNQL, RPI-0.8~6.0FSNQH, RPIZ-0.8~2.5FSN1Q, RPIZ-0.8~1.5FSNQS, RCI-1.0~6.0FSN1Q, RPK-0.8~2.3FSNQS, RPFI-1.0~2.5FSNQ,RPFC-1.8~5.0FSNQ



Mark	Part Name
1	Heat Exchanger
2	Distributor
3	Strainer
4	Micro-Computer Control Expansion Valve

RPI-8.0FSN(3)Q，RPI-10.0FSN(3)Q，RPI-8.0FSNQH and RPI-10.0FSNQH



Mark	Part Name
1	Heat Exchanger
2	Distributor
3	Strainer
4	Micro-Computer Control Expansion Valve

9.2 System Control

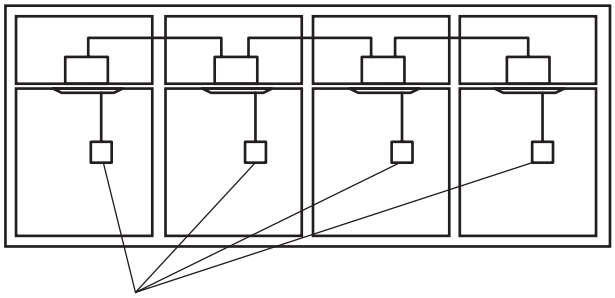
9.2.1 Control in a Room

Individual Operation System

Each indoor unit is individually controlled by its own remote control switch.

Control Method	by each Optional Remote Control Switch
Operation Method	by One Group
(1) ON/OFF	Yes
(2) Setting of Operation Mode	Yes*
(3) Room Temperature Setting	Yes
(4) Fan Speed Setting	Yes
(5) Timer Setting	Yes
(6) ON/OFF by Timer Control	Yes
(7) Operation Indication	Yes
(8) Alarm Indication	Yes
(9) Self-Checking	Yes
(10) Test Mode	Yes

Yes : Available
* : Cooling and heating can not be operated simultaneously.

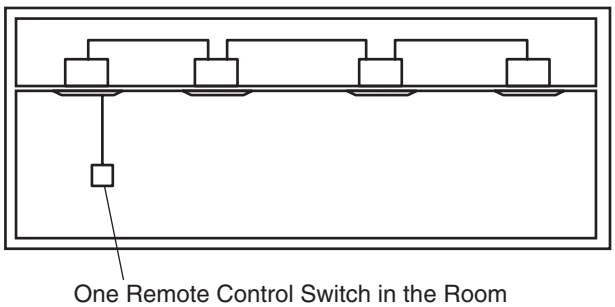


Group Control Operation System

One remote control switch can control simultaneously up to 16 indoor units.
This system can be applied to a wide space air conditioning such as in a lobby of hotel / hospital, an office building, etc. By one remote control switch, starting and stopping are easily and quickly performed for all the units.

Control Method	by One Optional Remote Control Switch
Operation Method	by One Group
(1) ON/OFF	Yes
(2) Setting of Operation Mode	Yes*
(3) Room Temperature Setting	Yes
(4) Fan Speed Setting	Yes
(5) Timer Setting	Yes
(6) ON/OFF by Timer Control	Yes
(7) Operation Indication	Yes
(8) Alarm Indication	Yes
(9) Self-Checking	Yes
(10) Test Mode	Yes

Yes : Available
* : Only if all units in one group are connected to the same outdoor unit.

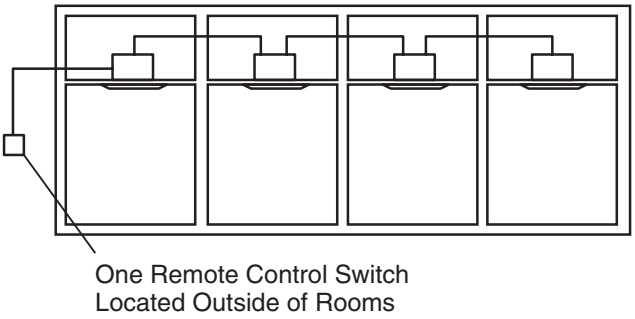


9.2.2 Group Control from a Remote Place

One remote control switch can control from a remote location simultaneously up to 16 indoor units. This system is the most appropriate for an open plan air conditioning such as in a lobby of hotel / hospital, an office building, etc. By one remote control switch, starting and stopping are easily and quickly performed for all the units.

Control Method	by One Optional Remote Control Switch
Operation Method	by One Group
(1) ON/OFF	Yes
(2) Setting of Operation Mode	Yes*
(3) Room Temperature Setting	Yes
(4) Fan Speed Setting	Yes
(5) Timer Setting	Yes
(6) ON/OFF by Timer Control	Yes
(7) Operation Indication	Yes
(8) Alarm Indication	Yes
(9) Self-Checking	Yes
(10) Test Mode	Yes

Yes : Available
* : Only if all units in one group are connected to the same outdoor unit.



9.2.3 Control in a Room/Control from a Remote Place

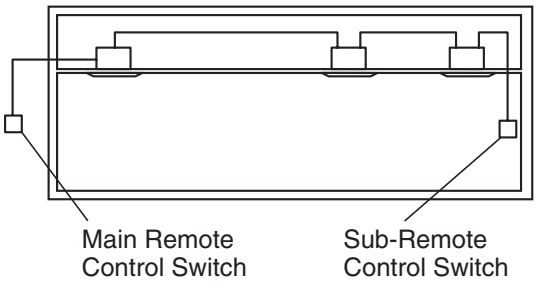
By Utilizing Sub-Remote Control Switch and Main Remote Control Switch for Maximum 16 Indoor Unit Control

Simultaneous Operation System

Two remote control switches are used to control indoor units up to 16 sets. One remote control switch is installed in the room and another one is installed in a remote central control room.
This system is the most appropriate for an open plan space such a lobby in the hotel, restaurant, etc.

Control Method	by Optional Remote Control Switch in the Room	by Optional Remote Control Switch from Remote Place
Operation Method	by One Group	by One Group
(1) ON/OFF	Yes	Yes
(2) Setting of Operation Mode	Yes*	Yes*
(3) Room Temperature Setting	Yes	Yes
(4) Fan Speed Setting	Yes	Yes
(5) Timer Setting	Yes	Yes
(6) ON/OFF by Timer Control	Yes	Yes
(7) Operation Indication	Yes	Yes
(8) Alarm Indication	Yes	Yes
(9) Self-Checking	Yes	Yes
(10) Test Mode	Yes	Yes

Yes : Available
* : Only if all units in one group are connected to the same outdoor unit.



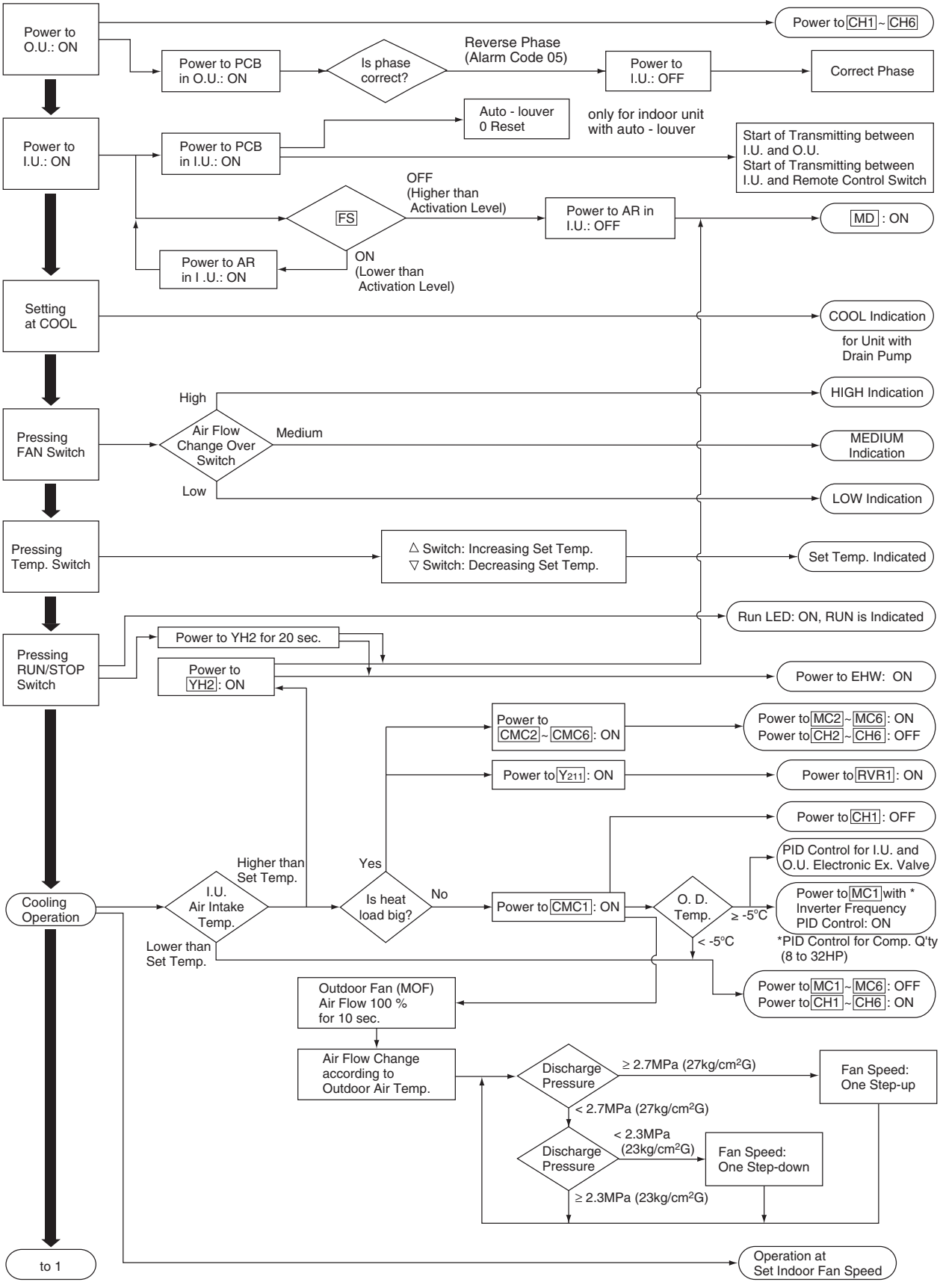
NOTE:
The last setting remote control switch in the two remote control switches has priority in this system.

9.3 Standard Operation Sequence

■ Cooling Operation

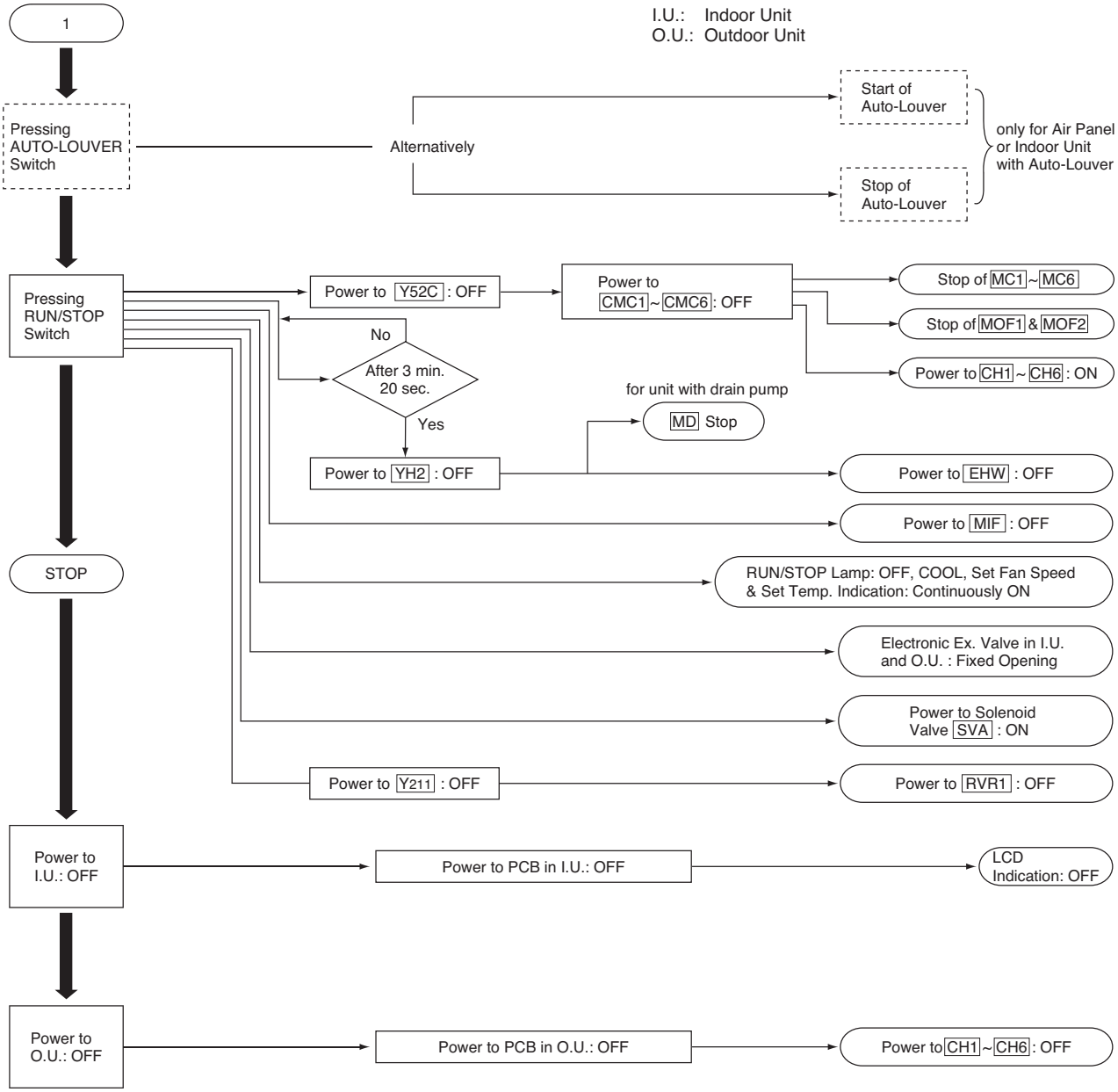
Following is only one example. The sequence may be different depending on the outdoor unit model to be connected. Refer to the “Outdoor Unit Technical Catalog” for details.

I.U.: Indoor Unit
O.U.: Outdoor Unit
T.C.: Temperature of Condensing



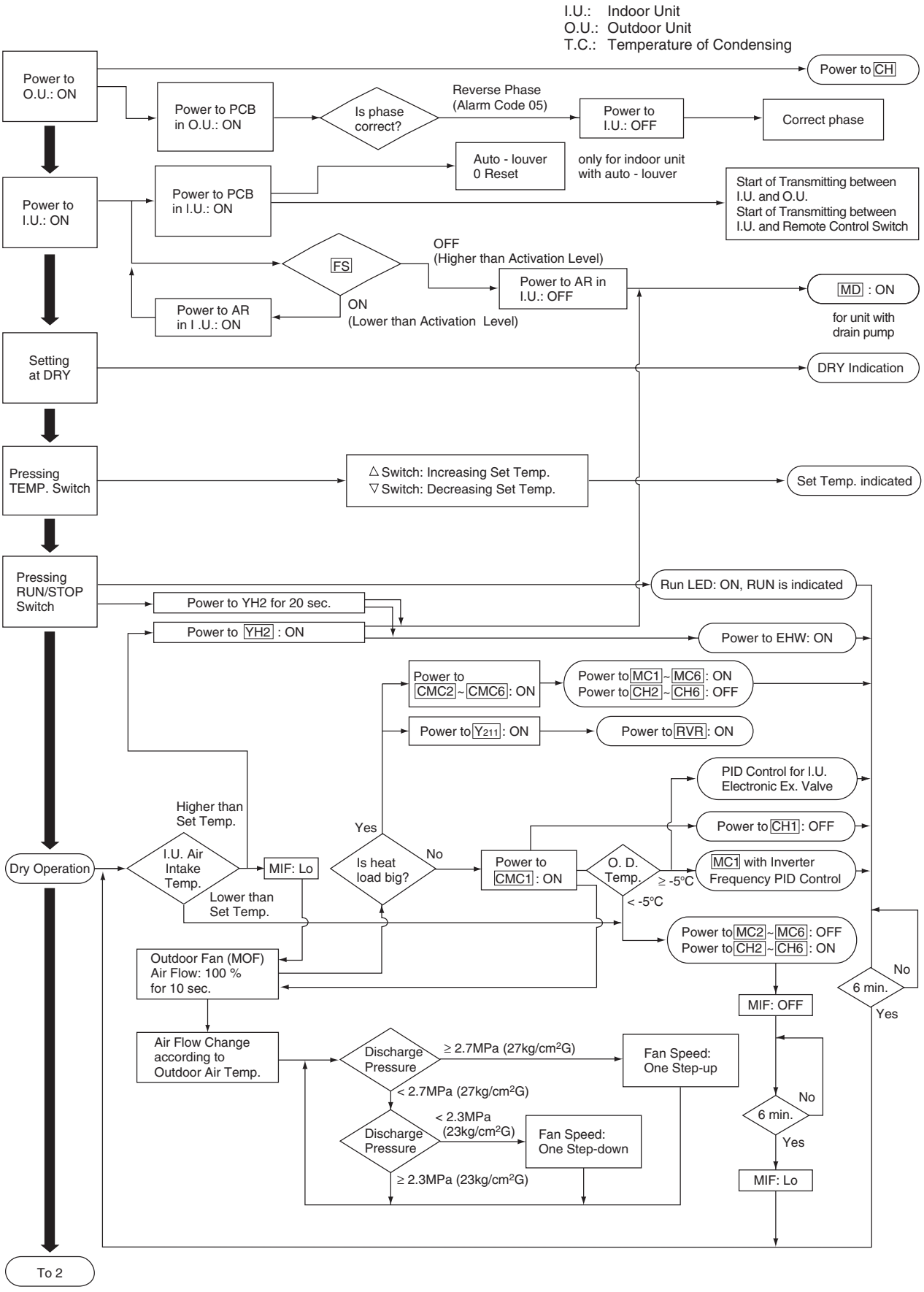
■ Cooling Operation

Following is only one example. The sequence may be different depending on the outdoor unit model to be connected. Refer to the “Outdoor Unit Technical Catalog” for details.



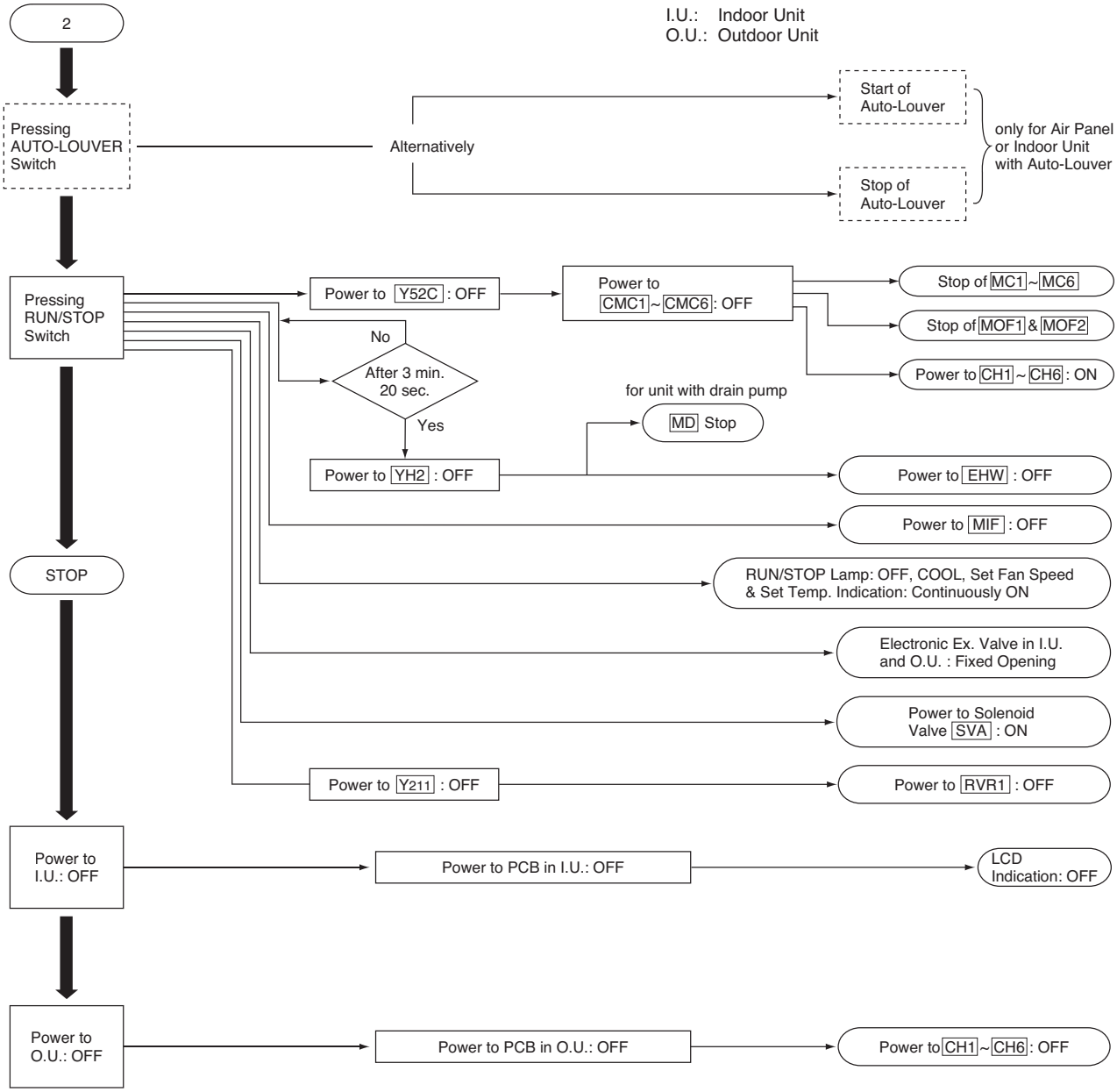
■ Dry Operation

Following is only one example. The sequence may be different depending on the outdoor unit model to be connected. Refer to the “Outdoor Unit Technical Catalog” for details.



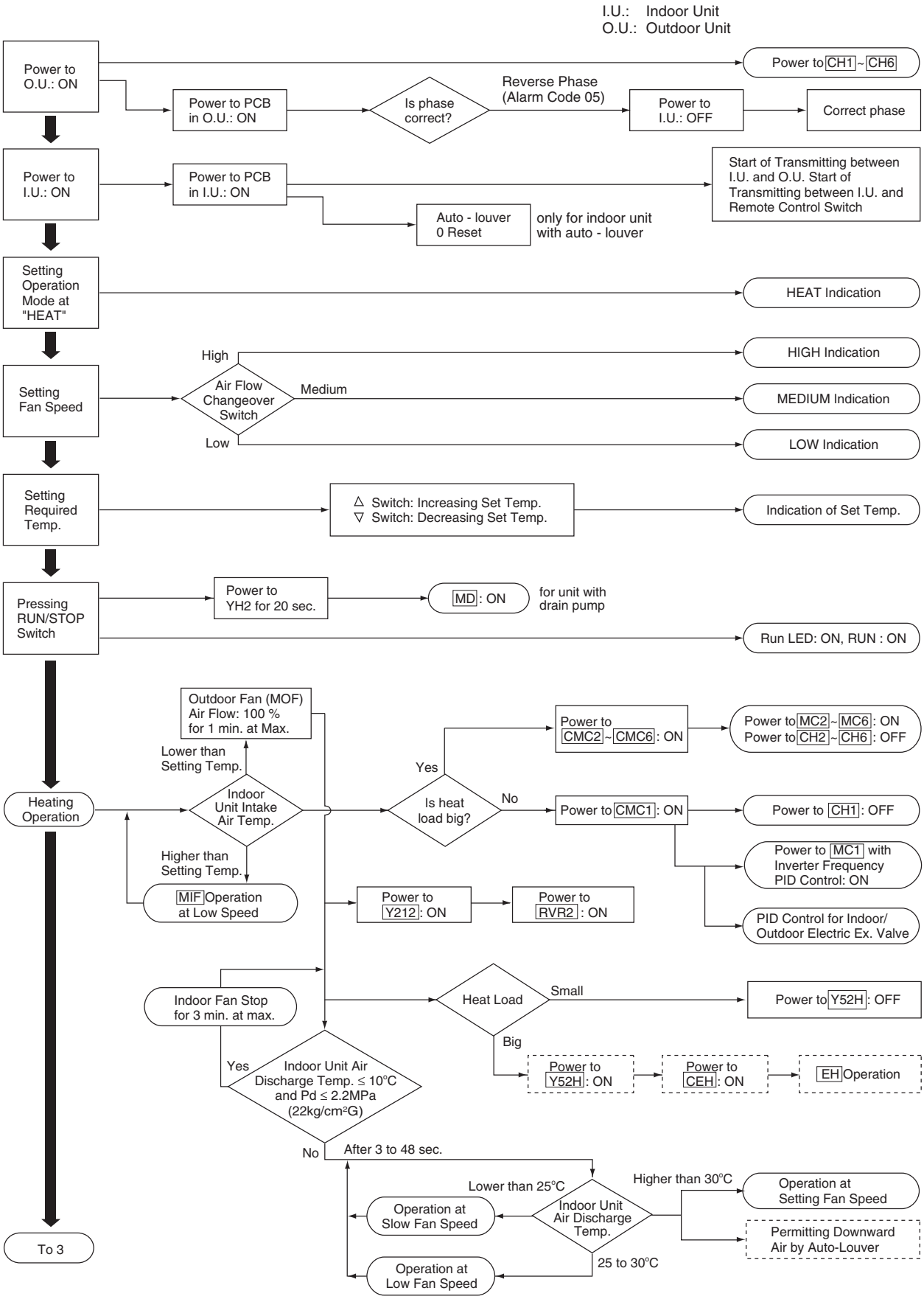
■ Dry Operation

Following is only one example. The sequence may be different depending on the outdoor unit model to be connected. Refer to the “Outdoor Unit Technical Catalog” for details.



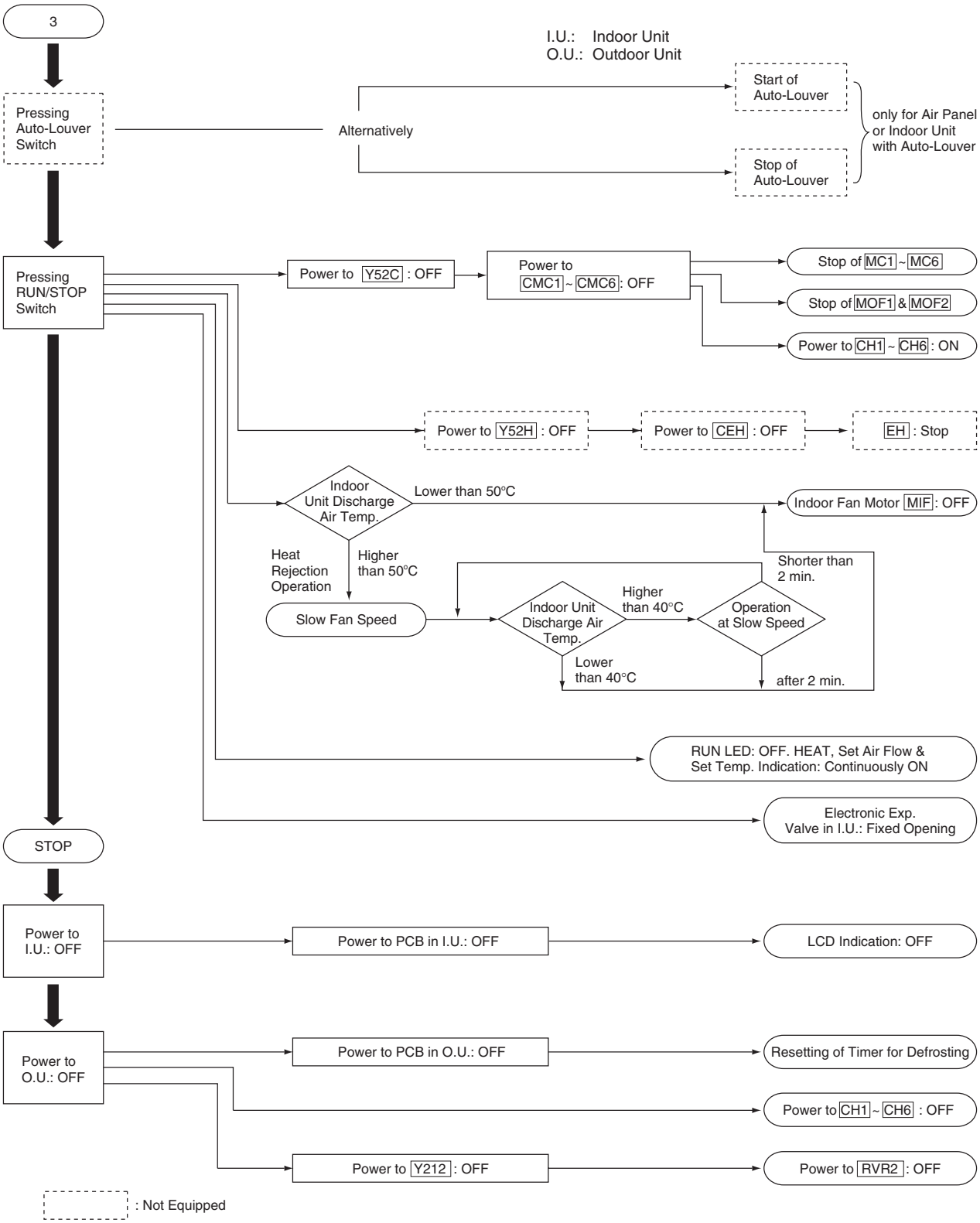
■ Heating Operation

Following is only one example. The sequence may be different depending on the outdoor unit model to be connected. Refer to the “Outdoor Unit Technical Catalog” for details.



■ Heating Operation

Following is only one example. The sequence may be different depending on the outdoor unit model to be connected. Refer to the “Outdoor Unit Technical Catalog” for details.



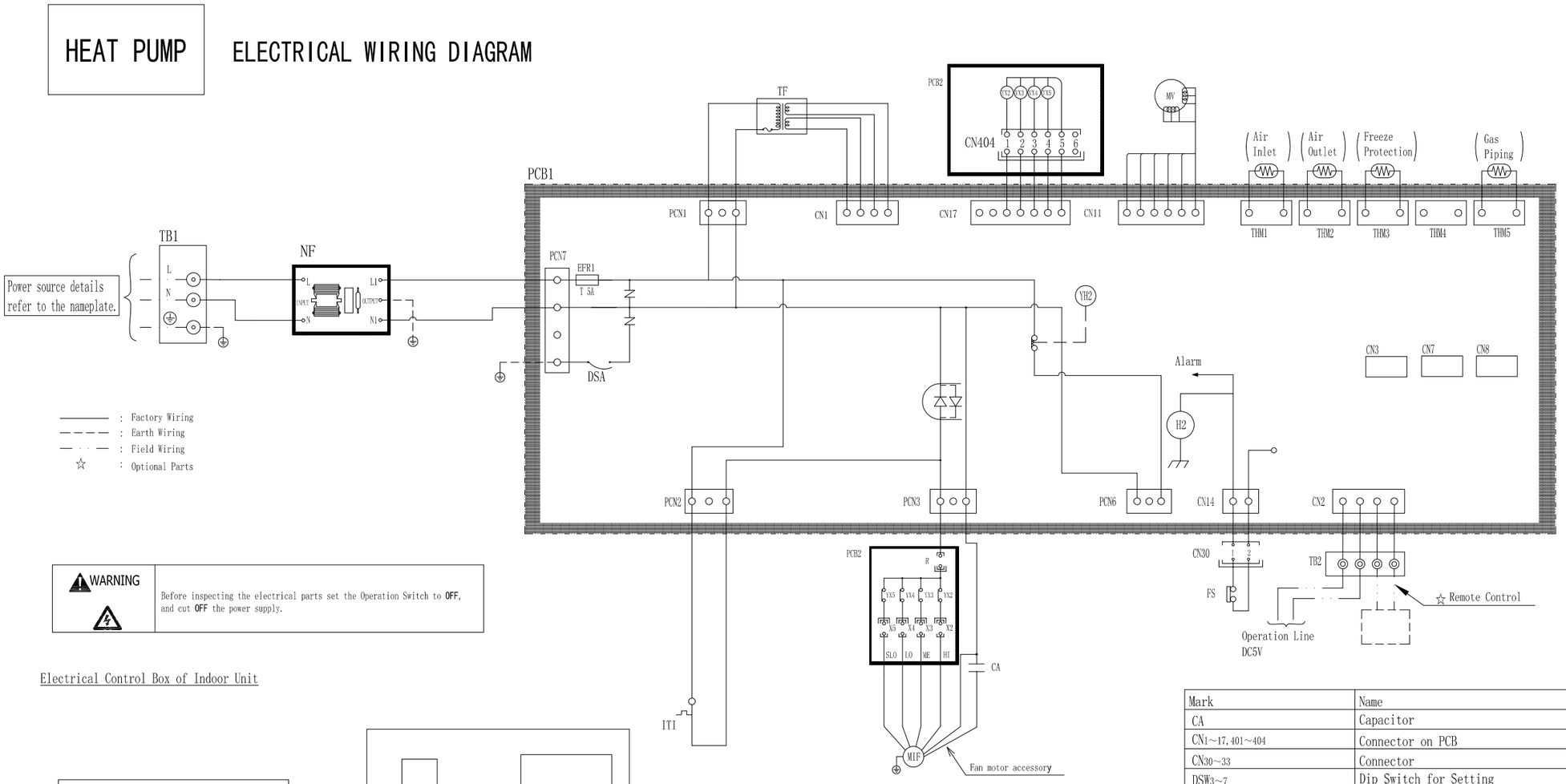
9.4 Safety and Control Device Setting

< Indoor Units >

Model			RPI/RPIZ	RCI/RPFC	RPK	RPFI
For Evaporator Fan Motor Internal Thermostat			Automatic Reset, Non-Adjustable (each one for each motor)			
	Cut-Out	°C	130±5	-	-	130±5
	Cut-In	°C	83±15	-	-	83±15
For Control Circuit Fuse Capacity		A	5			
Freeze Protection Thermostat	Cut-Out	°C	0			
	Cut-In	°C	14			
Thermostat Differential		°C	2			

9.5 Electrical Wiring Diagram

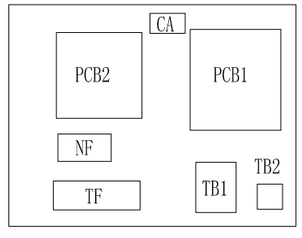
ELECTRICAL WIRING DIAGRAM (FOR MODELS: RPI-0.8~6.0FSNQL)

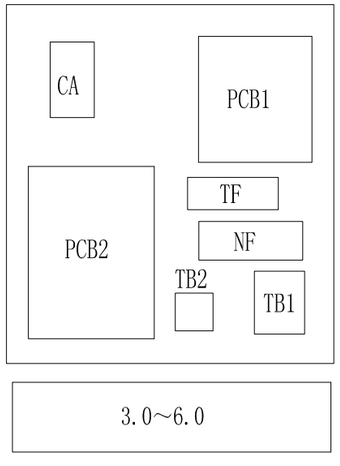


WARNING

Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

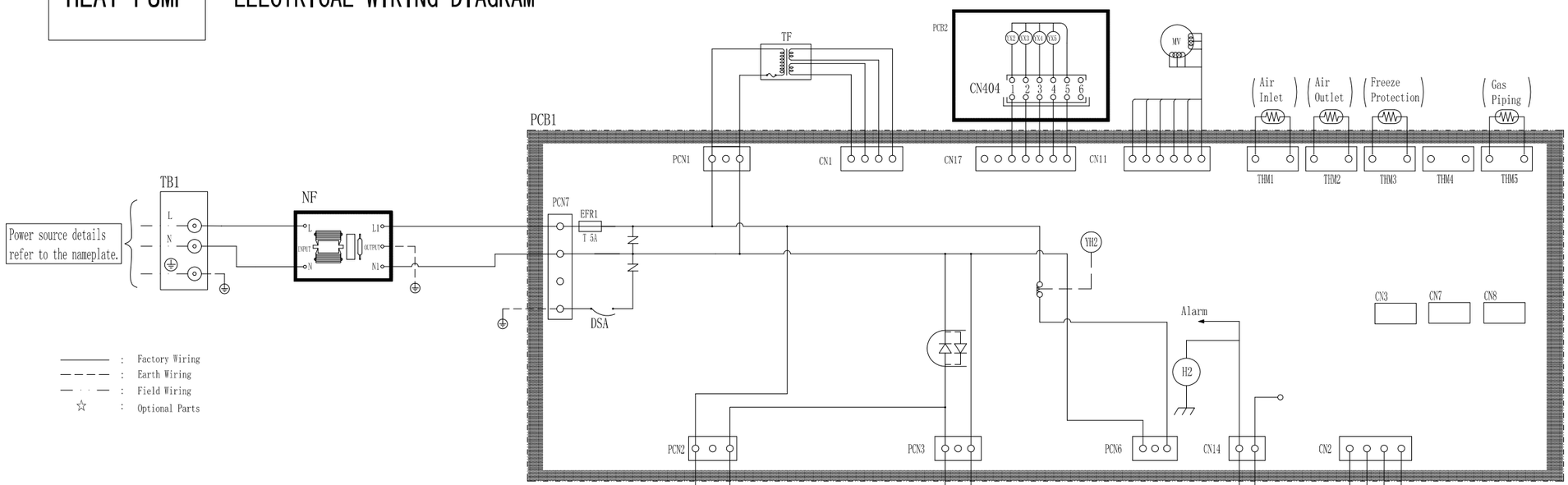
Electrical Control Box of Indoor Unit





Mark	Name
CA	Capacitor
CN1~17, 401~404	Connector on PCB
CN30~33	Connector
DSW3~7	Dip Switch for Setting
EFR1, EF1, EF2	Fuse
FS	Float Switch
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
PCB1, 2	Printed Circuit Board
PCN1~3, 6, 7	Connector on PCB
YX2~YX5	Relay on PCB
TB1, 2	Terminal Board
TF	Transformer
THM1~5	Thermistor
YH2	Relay on PCB
◎	Terminals
NF	Noise Filter

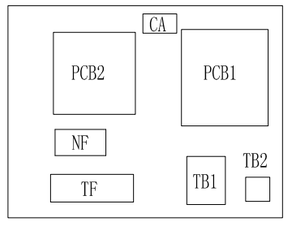
HEAT PUMP ELECTRICAL WIRING DIAGRAM



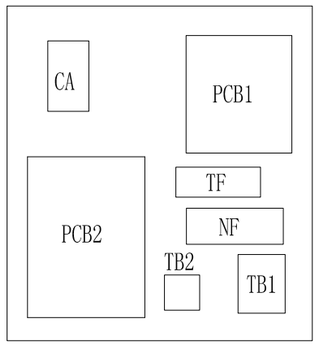
WARNING

Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

Electrical Control Box of Indoor Unit



1.0~2.5



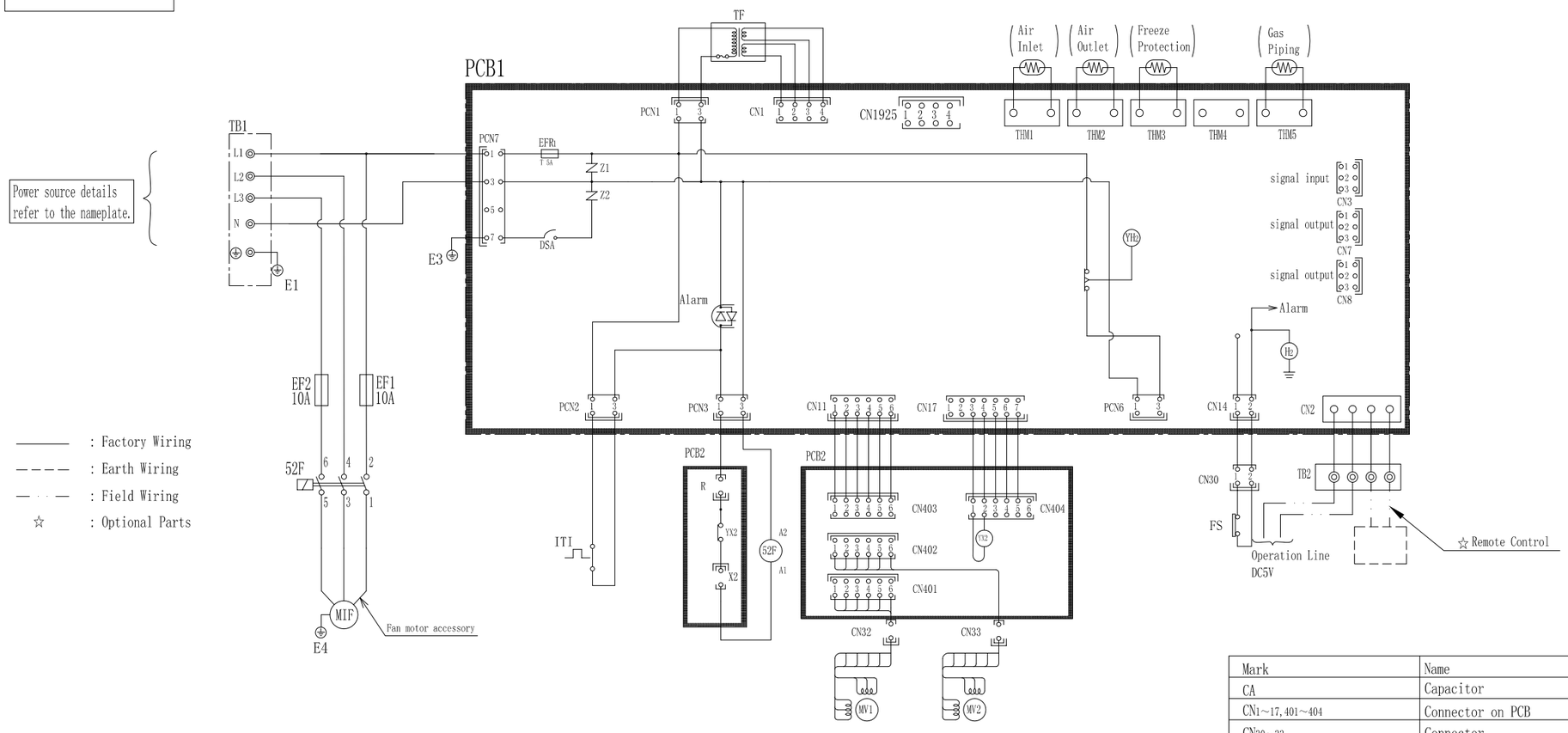
3.0~6.0

Static pressure

MODELS	No.1 Static pressure (Before Shipment)	No.2 Static pressure
1.0~2.5HP	50Pa	80Pa
3.0~6.0HP	120Pa	90Pa

Mark	Name
CA	Capacitor
CN1~17,401~404	Connector on PCB
CN30~33	Connector
DSW3~7	Dip Switch for Setting
EFR1, EF1, EF2	Fuse
FS	Float Switch
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
PCB1,2	Printed Circuit Board
PCN1~3,6,7	Connector on PCB
YX2~YX5	Relay on PCB
TB1,2	Terminal Board
TF	Transformer
THM1~5	Thermistor
YH2	Relay on PCB
◎	Terminals
NF	Noise Filter

HEAT PUMP ELECTRICAL WIRING DIAGRAM

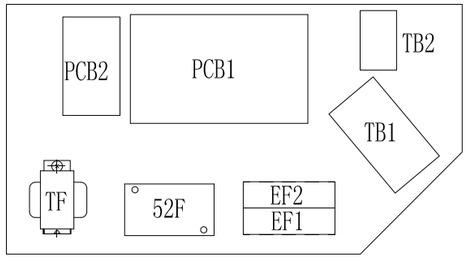


WARNING	Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

Note :

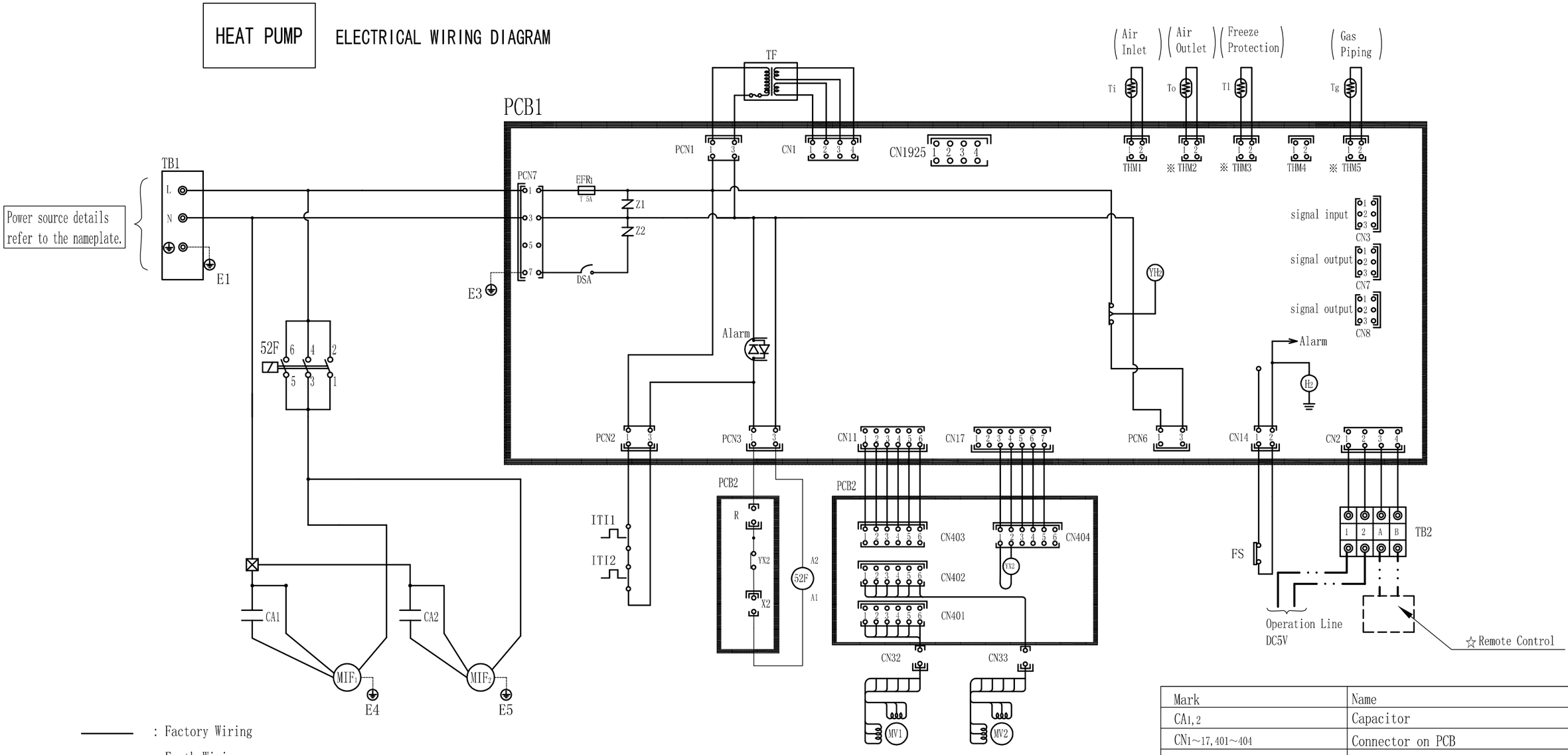
1. All the field wiring and equipment must comply with local codes.

Electrical Control Box of Indoor Unit



Mark	Name
CA	Capacitor
CN1~17, 401~404	Connector on PCB
CN30~33	Connector
DSW3~7	Dip Switch for Setting
EFR1, EF1, EF2	Fuse
FS	Float Switch
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
PCB1, 2	Printed Circuit Board
PCN1~3, 6, 7	Connector on PCB
YX2	Relay on PCB
TB1, 2	Terminal Board
TF	Transformer
THM1~5	Thermistor
YH2	Relay on PCB
◎	Terminals
52F	Contactor
EF1~EF2	Fuse

HEAT PUMP ELECTRICAL WIRING DIAGRAM



: Factory Wiring

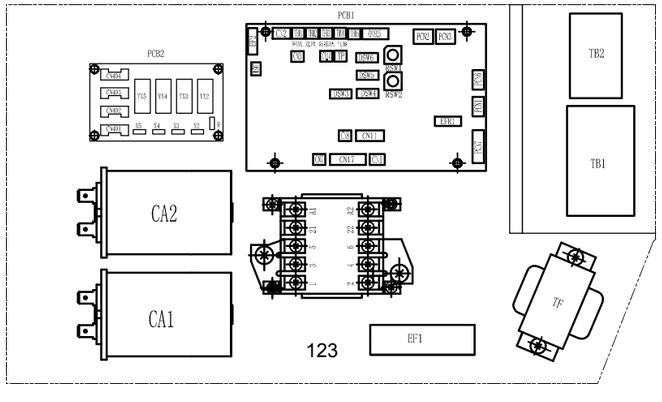
: Earth Wiring

: Field Wiring

☆ : Optional Parts

⚠WARNING ⚠	Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

Electrical Control Box of Indoor Unit



Mark	Name
CA1,2	Capacitor
CN1~17,401~404	Connector on PCB
CN30~33	Connector
DSW3~7	Dip Switch for Setting
EFR1, EF1	Fuse
FS	Float Switch
ITI1,2	Internal Thermostat for Indoor Fan Motor
MIF1,2	Motor for Indoor Fan
MV1,2	Micro-Computer Control Expansion Valve
PCB1,2	Printed Circuit Board
PCN1~3,6,7	Connector on PCB
YX2, YH2	Relay on PCB
TB1,2	Terminal Board
TF	Transformer
THM1~5	Thermistor
X2, R	187 Connector
Z1, Z2	Surge Absorber
52F	Contactor
◎	Terminals

HEAT PUMP

ELECTRICAL WIRING DIAGRAM

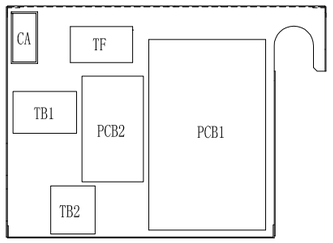
WARNING

Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

——— : Factory Wiring
– – – – : Earth Wiring
——— : Field Wiring
☆ : Optional Parts

Note :
1. All the field wiring and equipment must comply with local codes.

Electrical Control Box of Indoor Unit



Mark	Name
CA	Capacitor
CN1～17, 201, 1925	Connector on PCB
CN30～33	Connector
DSW3～8	Dip Switch for Setting
EFR1, EF1, EF2	Fuse
FS	Float Switch
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
PCB1, 2	Printed Circuit Board
PCN1～7, 201～204, 301, 302	Connector on PCB
YX2～YX4	Relay on PCB
TB1, 2	Terminal Board
TF	Transformer
THM1～5	Thermistor
YH2	Relay on PCB
◎	Terminals
MD	Motor for Drain Discharge Mechanism

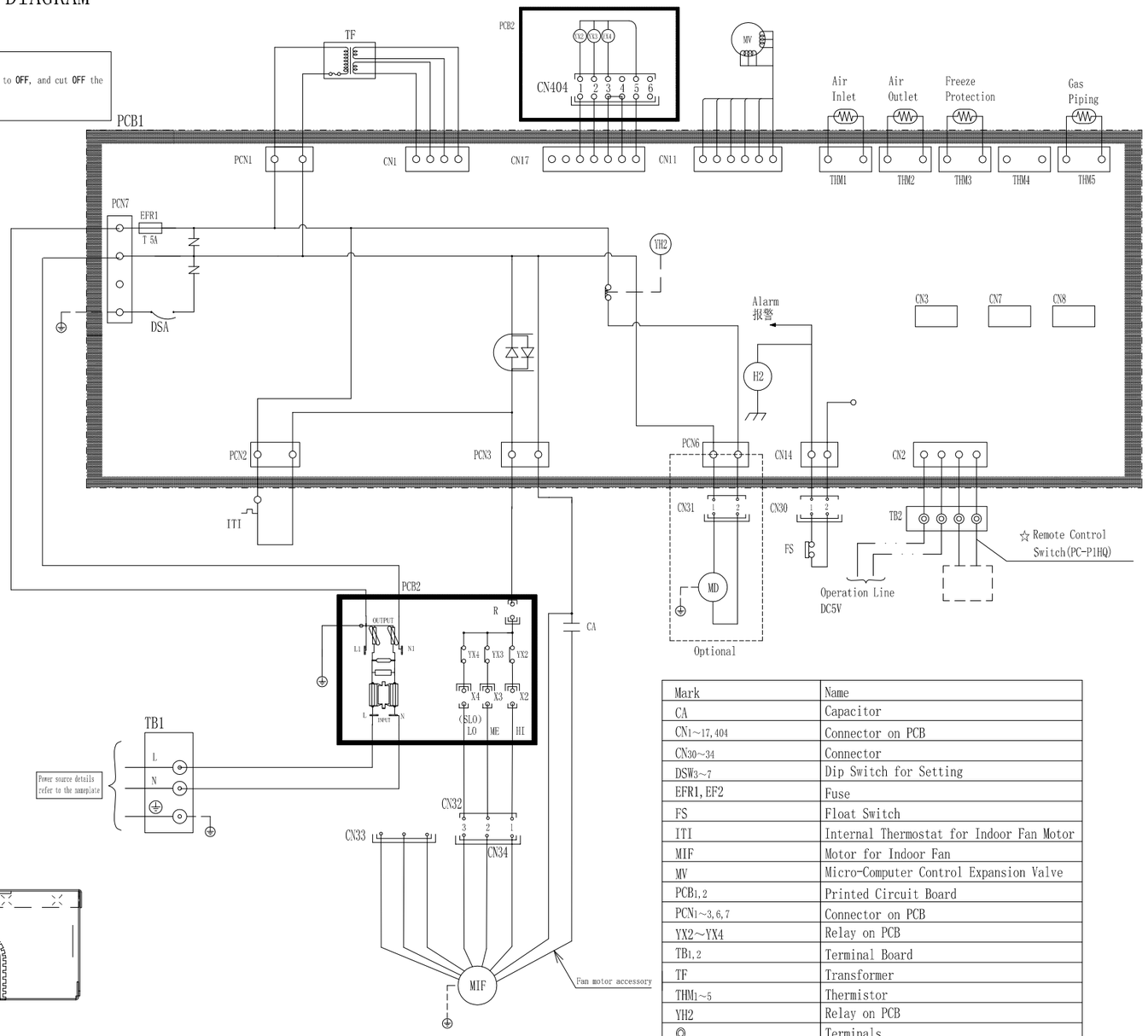
HEAT PUMP ELECTRICAL WIRING DIAGRAM

WARNING

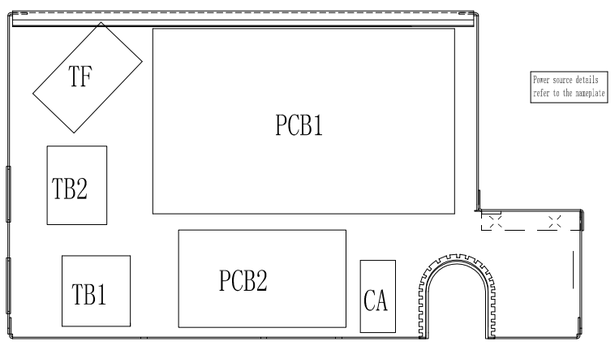
Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

——— : Factory Wiring
– – – – : Earth Wiring
——— : Field Wiring
☆ : Optional Parts

Note :
1. All the field wiring and equipment must comply with local codes.



Electrical Control Box of Indoor Unit



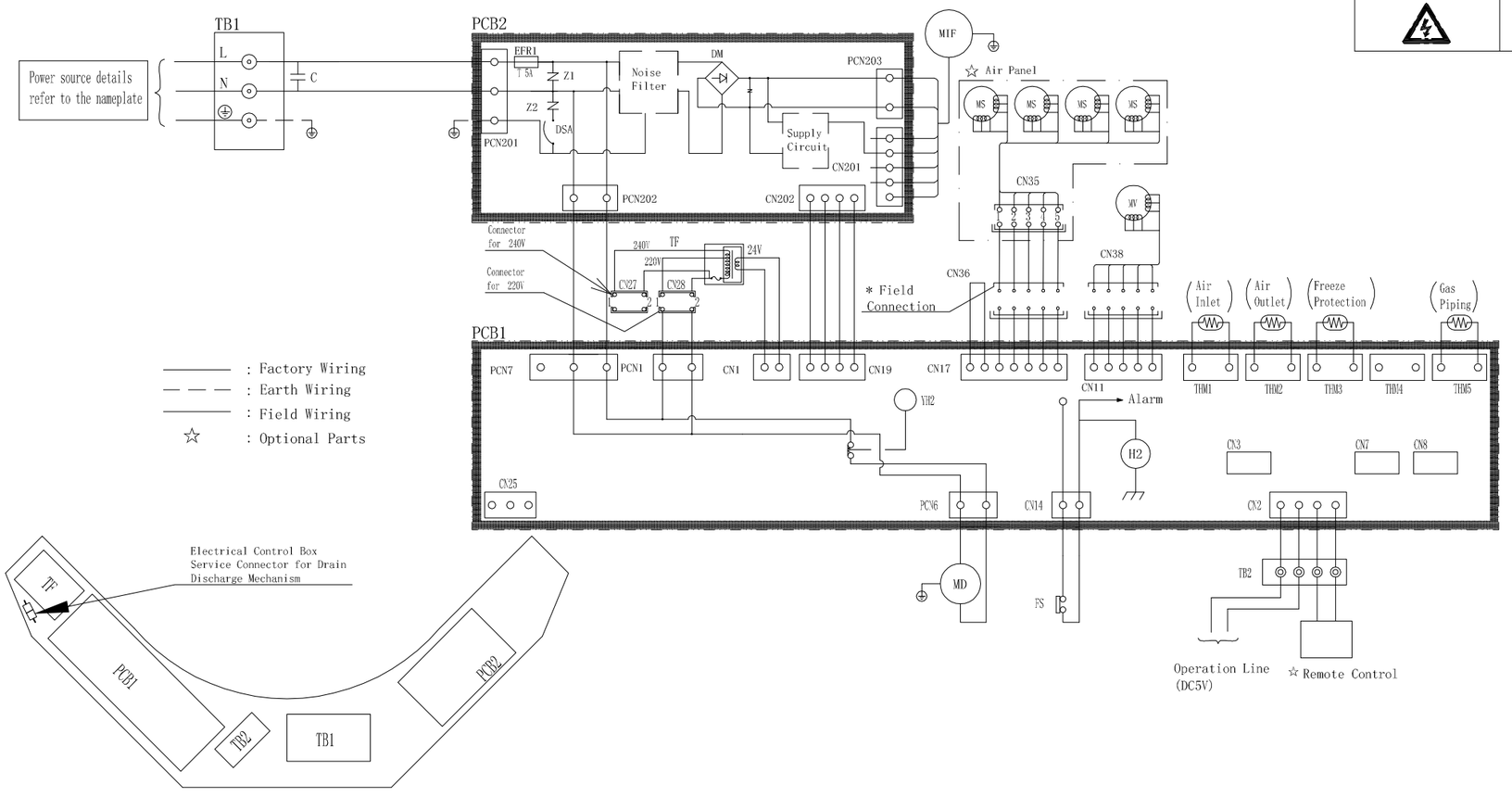
Mark	Name
CA	Capacitor
CN1~17,404	Connector on PCB
CN30~34	Connector
DSW3~7	Dip Switch for Setting
EFR1, EF2	Fuse
FS	Float Switch
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
PCB1,2	Printed Circuit Board
PCN1~3,6,7	Connector on PCB
YX2~YX4	Relay on PCB
TB1,2	Terminal Board
TF	Transformer
THM1~5	Thermistor
YH2	Relay on PCB
◎	Terminals
MD	Motor for Drain Discharge Mechanism

HEAT PUMP

ELECTRICAL WIRING DIAGRAM

⚠WARNING

Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.



Mark	Name
$CN_{1\sim26,39\sim202}$	Connector on PCB
$CN_{27\sim38}$	Connector
C	Capacitor
$DSW_{3,5}$	Dip Switch for Setting
EF	Fuse
FS	Float Switch
MD	Motor for Drain Discharge Mechanism
MIF	Motor for Indoor Fan
MS	Motor for Automatic Swing Louver
MV	Micro-Computer Control Expansion Valve
$PCB_{1,2}$	Printed Circuit Board
$PCN_{1\sim203}$	Connector on PCB
RSW	Rortaly Switch
$TB_{1,2}$	Terminal Board
TF	Transformer
THM	Thermistor
YH2	Relay on PCB
◎	Terminals

Note :

1. All the field wiring and equipment must comply with local codes.

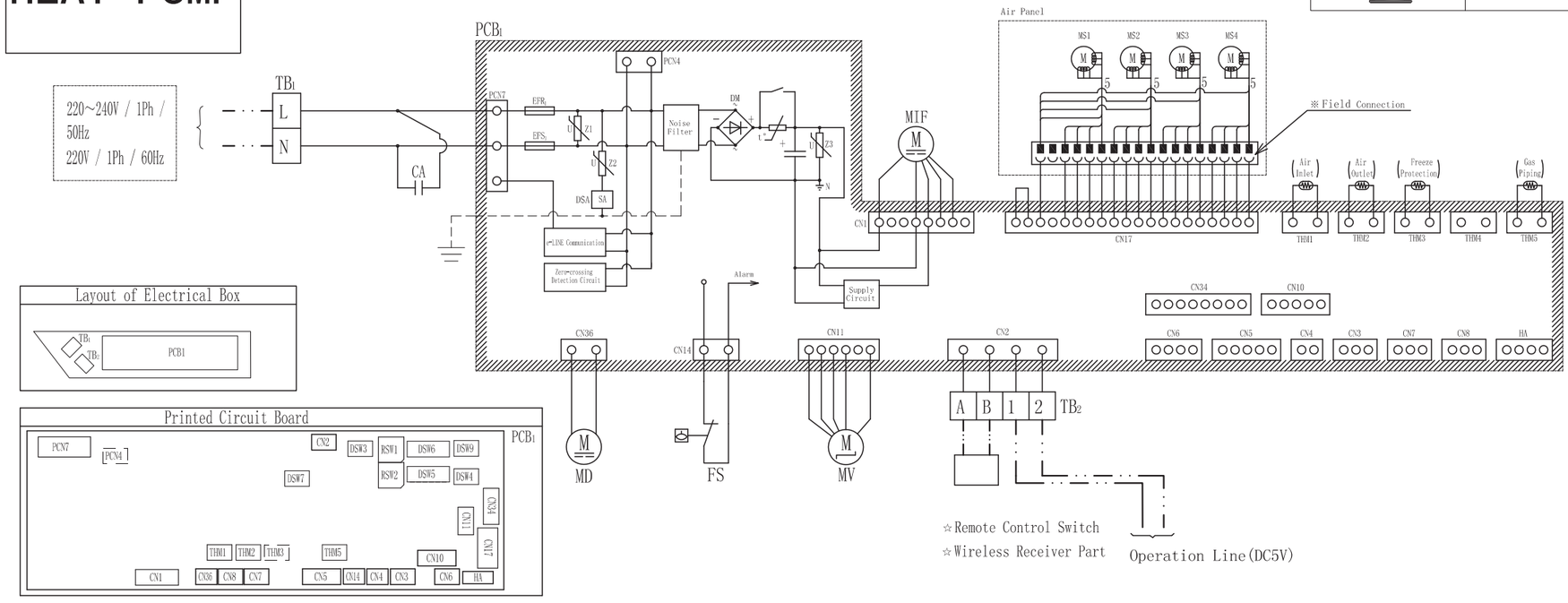
ELECTRICAL WIRING DIAGRAM (FOR MODELS: RCI-1.0~6.0FSKDNQ)

HEAT PUMP

220~240V / 1Ph / 50Hz
220V / 1Ph / 60Hz

WARNING

Before inspecting the electrical parts set the Operation Switch to OFF, and cut OFF the power supply.



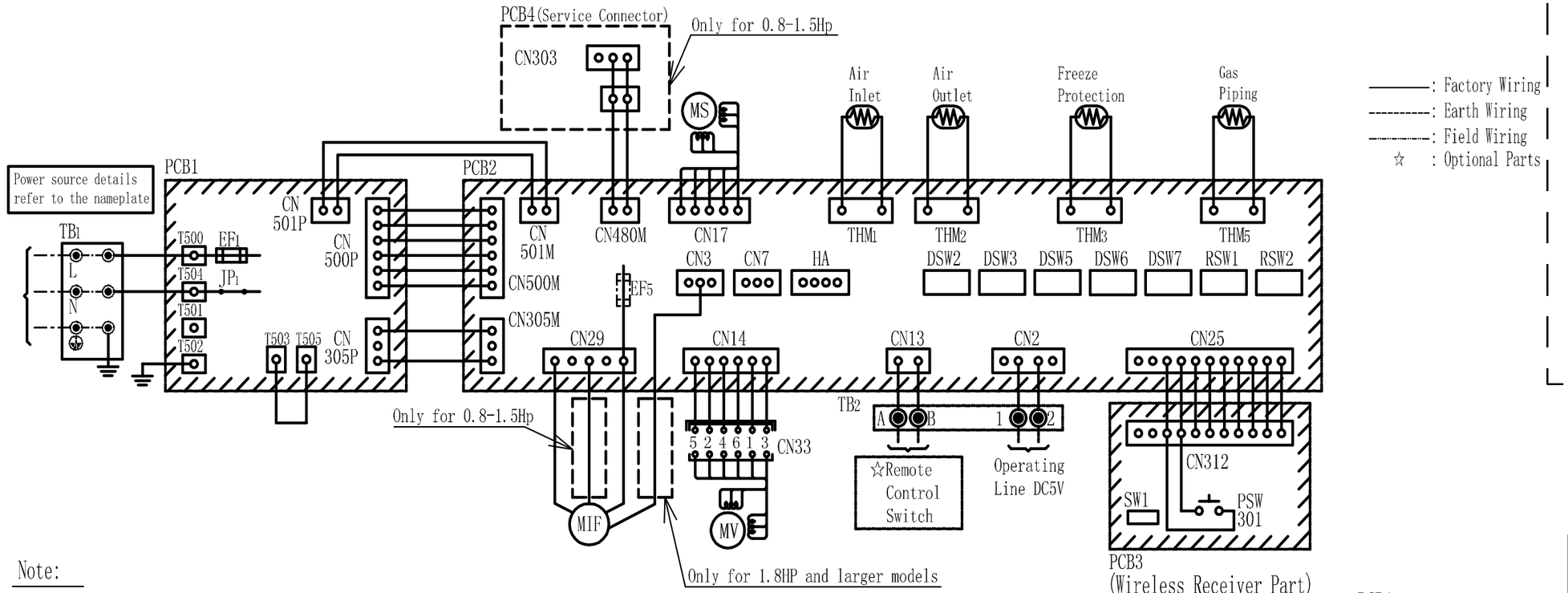
Layout of Electrical Box

Printed Circuit Board

: Factory Wiring
: Earth Wiring
: Field Wiring
☆ : Optional Parts
※ : Field Connection

Note :
1. All the field wiring and equipment must comply with local codes.

Mark	Name
CA	Capacitor
$TB_{1,2}$	Terminal Board
PCB_1	Printed Circuit Board
$PCN_{4,7}$	Connector on PCB
$CN_{1\sim36}$	Connector on PCB
HA	Connector on PCB
RSW_1	Rortaly Switch
RSW_2	Rortaly Switch
$DSW_{3\sim9}$	Dip Switch for Setting
MV	Micro-Computer Control Expansion Valve
MIF	Motor for Indoor Fan
$MS_{1\sim4}$	Motor for Automatic Swing Louver
MD	Motor for Drain Discharge Mechanism
FS	Float Switch
$THM_{1\sim5}$	Thermistor
EFR_1、EFS_1	Fuse
$Z_{1,2,3}$	Surge Absorber
DM	Diode Module
◎	Terminals



H7C03506B

Note:

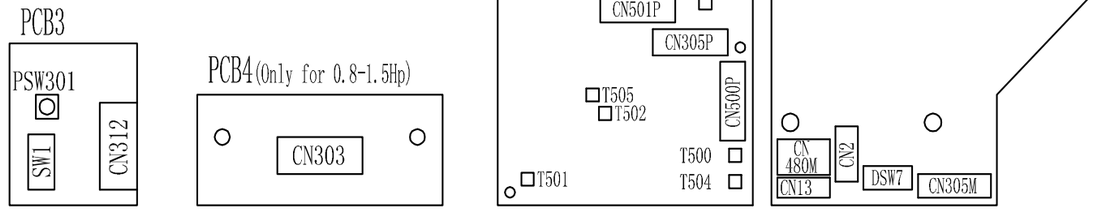
1. The setting of SW1 before shipment is "WIRELESS". In the case of using Wired Remote Controller, set SW1 to "WIRED".
2. The mark ☆ meanings optional parts.
3. All the field wiring and equipment must comply with local code.

Mark Table

Mark	Name
TB_1,TB_2	Terminal Board
$PCB_{1\sim4}$	Printed Circuit Board
MIF	Motor for Indoor Fan
MS	Motor for Automatic Swing Louver
MV	Micro-Computer Control Expansion Valve
$THM_{1\sim5}$	Thermistor
$EF_{1\sim5}$	Fuse

Mark	Name
CN_3	Connector on PCB
CN_7	Connector on PCB
$CN_{25,312}$	Connector on PCB_2 and PCB_3
PSW_{301}	Switch for Emergency Operation
SW_1	Wired RCS / Wireless RCS

Position of PCB Connectors



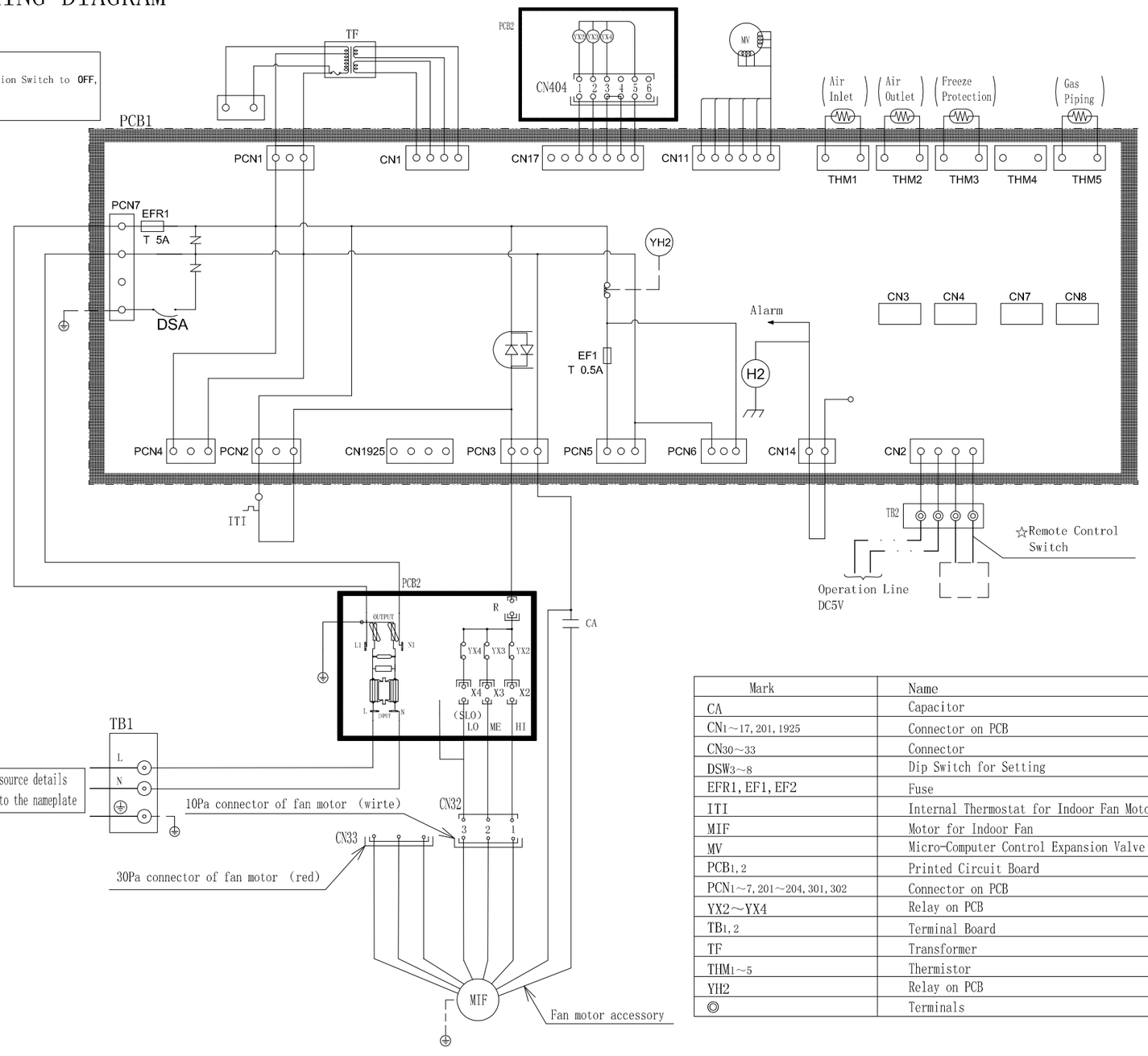
HEAT PUMP ELECTRICAL WIRING DIAGRAM

WARNING

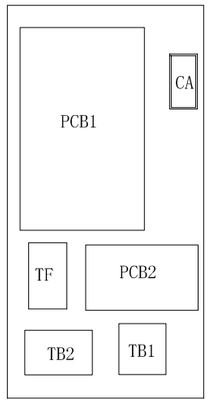
Before inspecting the electrical parts set the Operation Switch to OFF, and cut OFF the power supply.

——— : Factory Wiring
— — — : Earth Wiring
——— : Field Wiring
☆ : Optional Parts

Note :
1. All the field wiring and equipment must comply with local codes.

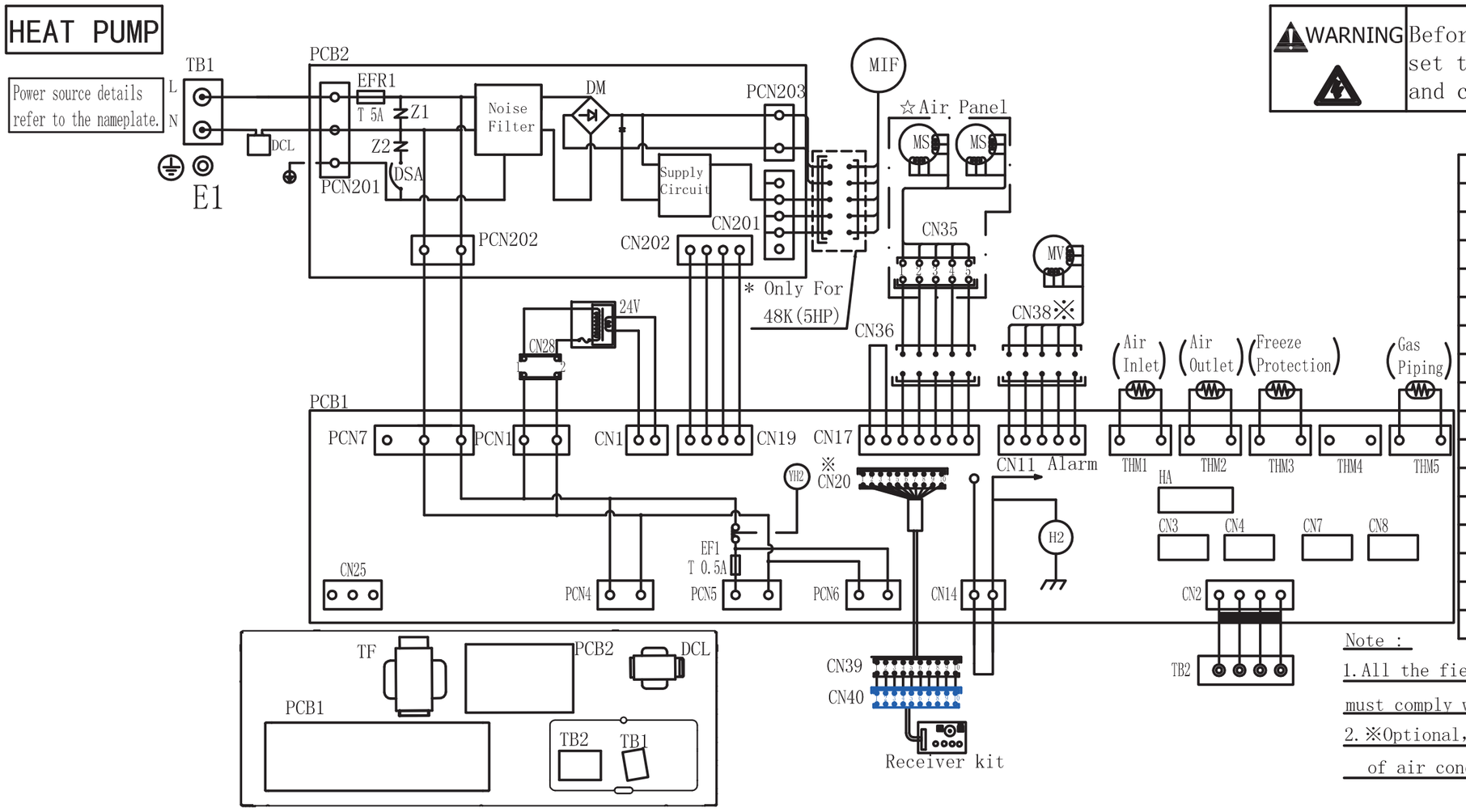


Electrical Control Box of Indoor Unit



Mark	Name
CA	Capacitor
CN1~17, 201, 1925	Connector on PCB
CN30~33	Connector
DSW3~8	Dip Switch for Setting
EFR1, EF1, EF2	Fuse
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
PCB1, 2	Printed Circuit Board
PCN1~7, 201~204, 301, 302	Connector on PCB
YX2~YX4	Relay on PCB
TB1, 2	Terminal Board
TF	Transformer
THM1~5	Thermistor
YH2	Relay on PCB
◎	Terminals

ELECTRICAL WIRING DIAGRAM (FOR MODELS: RPFC-1.8~5.0FSNQ)



Mark	Name
$CN_{1\sim26,39\sim202}$	Connector on PCB
$CN_{27\sim38}$	Connector
C	Capacitor
$DSW_{3,5}$	Dip Switch for Setting
DCL	Reactor
EF	Fuse
MIF	Motor for Indoor Fan
MS	Motor for Automatic Swing Louver
MV	Micro-Computer Control Expansion Valve
$PCB_{1,2}$	Printed Circuit Board
$PCN_{1\sim203}$	Connector on PCB
RSW	Rortaly Switch
$TB_{1,2}$	Terminal Board
TF	Transformer
YH2	Relay on PCB
◎	Terminals

WARNING Before inspecting the electrical parts set the Operation Switch to **OFF**, and cut **OFF** the power supply.

Note :

1. All the field wiring and equipment must comply with local codes.
2. ※Optional, no impact on the performance of air conditioning.

10. Miscellaneous Notes

Special Notes

1. Provide a service access door near the unit piping connection part on the false ceiling for the cassette type units.
2. Consider the air distribution from the unit to the space of the room, and select a suitable location so that uniform air temperature in the room can be obtained.
   Cassette and Ceiling Types - Avoid unit installation in a room where the ceiling height (distance between the floor to the false ceiling) exceeds three meters. If the indoor unit is installed in a room with a ceiling of higher than 3 meters, it is recommended that an air circulation fan be installed separately to obtain uniform air temperature in the room, especially during the heating operation.
3. Check to ensure that the ceiling slab is strong enough and that the false ceiling is flat and level.
4. Avoid obstacles which may restrict the air intake or the discharge flow.
5. Do not install the unit in a machinery shop or kitchen where vapor from oil or its mist can enter to the unit.
   The oil will deposit on the heat exchanger, thereby reducing the unit performance, and may deform, in the worst case, break the plastic parts of the unit.
6. Pay attention to the following points when the unit is installed in a hospital or other facilities where electromagnetic wave is radiated from medical equipment.
   (A) Do not install the unit where the electromagnetic wave is directly radiated to the electrical box, remote control cable or remote control switch.
   (B) Install the unit and component as far as practical (at least three meters) from the electromagnetic wave radiator.
   (C) Prepare a steel box and install the remote control switch in it. Prepare a steel conduit pipe and wire the remote control cable in it. And then, connect earth wire with the box and the pipe.
   (D) Install a noise filter when the power supply emits harmful noise.
7. Do not install the units in an acid or alkaline environment due to the corrosive action on the heat exchanger. In the case that outdoor units are installed near the sea, it is recommended that optional corrosion-resistant type outdoor unit be used.
8. Do not install the units in a flammable environment due to the danger of an explosion.
9. Regarding cassette type indoor units, consider the direct and reflected sound level, when selecting the unit for spaces where extremely low sound is required.
10. During heating operation, the outdoor heat exchanger produces condensate dew or melting water from frost.
    Install the outdoor unit where drainage of such water is convenient, or provide a drain passage.
11. Heating Performance: The heating capacity normally decreases when outdoor temperatures decrease. Therefore, provide an auxiliary heating unit if outdoor temperatures are very low.
12. In the case that an outdoor temperature is low and humidity is high, the outdoor heat exchanger will covered with frost, resulting in lower heating capacity. In order to remove the frost, the unit is automatically changed to the defrosting mode. During this defrosting operation, the unit is stopped for approximately 3 to 10 minutes.
13. As this unit is of heat pump type by circulating hot air in the whole room space, it takes time to heat up the room temperature.
14. The operating sound data is based on an anechoic chamber. Therefore, the actual operating sound will be higher due to reflected sound from the floor and wall.
15. In the case that the unit is operated for a long time higher than the indoor temperature of 27°CDB or the humidity of 80%, dewing may occur on the cabinets resulting in dew drops. If dewing, it is required to add thermal insulator on the cabinets.
16. Provide snow-protection hoods to prevent the outdoor heat exchanger from snow clogging. If the unit is operated in an are where it snows heavily, provide a base under the outdoor unit which should be 50cm higher than the presumable maximum snow height.
17. It is recommended that periodical service and maintenance be performed by authorized service engineers before air conditioning seasons, in order to avoid performance decrease due to dust or dirt.
18. This heat pump air conditioner has been designed for normal air conditioning for men. Do not apply to other purposes such as for food, animals, plants, high precision machines or work of art. Also do not apply to vehicles or vessels. It will results in water leakage or electrical leakage.
19. It is recommended that the system be installed by authorized engineers. If not, it may cause water leakage, electric shock or fire.
20. In a place where fibers or dusts are floating, the air filter or heat exchangers or the drain pipe may be clogged, resulting in water leakage from the drain pan.

Special Notes on Refrigerant, R410A

Use tools and measuring instruments only for the new refrigerant which is directly touch to refrigerant.

◇: Interchangeability is available with current R22
×: Prohibited
●: only for Refrigerant R410A (No Interchangeability with R22)
◆: only for Refrigerant R407C (No Interchangeability with R22)

Measuring Instrument and Tool		Interchangeability with R22		Reason of Non-Interchangeability and Attention (★: Strictly Required)	Use
		R410A	R407C		
Refrigerant Pipe	Pipe Cutter Chamfering Reamer	◇	◇	-	Cutting Pipe Removing Burrs
	Flaring Tool	◇●	◇	* The flaring tools for R407C are applicable to R22. * If using flaring tube, make dimension of tube larger for R410A. * In case of material 1/2H, flaring is not available.	Flaring for Tubes
	Extrusion Adjustment Gauge	●	-		Dimensional Control for Extruded Portion of Tube after Flaring
	Pipe Bender	◇	◇	* In case of material 1/2H, bending is not available. Use elbow for bend and braze.	Bending
	Expanding Tool	◇	◇	* In case of material 1/2H, expanding of tube is not available. Use socket for connecting tube.	Expanding Tubes
	Torque Wrench	●	◇	* For φ12.7, φ15.88, spanner size is up 2mm.	Connection of Flare Nut
		◇	◇	* For φ6.35, φ9.53, φ19.05, spanner size is the same.	
	Brazing Tool	◇	◇	* Perform correct brazing work.	Brazing for Tubes
	Nitrogen Gas	◇	◇	* Strict Control against Contamin (Blow nitrogen during brazing.)	Prevention from Oxidation during Brazing
	Lubrication Oil (for Flare Surface)	●	◆	* Use a synthetic oil which is equivalent to the oil used in the refrigeration cycle. * Synthetic oil absorbs moisture quickly.	Applying Oil to the Flared Surface
Vacuum Drying Refrigerant Charge	Refrigerant Cylinder	●	◆	* Check refrigerant cylinder color. ★ Liquid refrigerant charging is required regarding zeotoropic refrigerant.	Refrigerant Charging
	Vacuum Pump	◇	◇	★ The current ones are applicable. However, it is required to mount a vacuum pump adapter which can prevent from reverse flow when a vacuum pump stops, resulting in no reverse oil flow.	Vacuum Pumping
	Adapter for Vacuum Pump	* ●	◆		
	Manifold Valve	●	◆	* No interchangeability is available due to higher pressures when compared with R22. ★ Do not use current ones to the different refrigerant. If used, mineral oil will flow into the cycle and cause sludges, resulting in clogging or compressor failure. Connection diameter is different; R410A: UNF1/2, R407C: UNF7/16.	Vacuum Pumping, Vacuum Holding, Refrigerant Charging and Check of Pressures
	Charging Hose	●	◆		
	Charging Cylinder	×	×	* Use the weight scale.	-
	Weight Scale	◇	◇	-	Measuring Instrument for Refrigerant Charging
	Refrigerant Gas Leakage Detector	* ●	◆	* The current gas leakage detector (R22) is not applicable due to different detecting method.	Gas Leakage Check

*: Interchangeability with R407C.

11. Standard Specifications

UNIT - The unit shall be a multi-split system inverter-driven heat pump air conditioner for application with R410A refrigerants, and shall be composed of 4-way cassette type indoor units, or in-the-ceiling type indoor units,ceiling type indoor units, wall type indoor units, floor type indoor units and an outdoor unit, with a distributed refrigeration cycle, electrical components and enclosing cabinets. Optional accessories shall also be provided upon customer request. The indoor unit shall be constructed for installation, and the outdoor unit shall be completely weather-proofed for outdoor installation. Both indoor unit and the outdoor unit shall be properly assembled, internally piped and wired, throughly tested, and charged with R410A refrigerant at the factory and shall comply with Japanese Industrial Standards and other Japanese standardization statues.

CAPACITY - The total capacity of the multi-split system inverter-driven heat pump air conditioner shall be _____kW or greater with _____°C air inlet dry bulb, _____°C air inlet wet bulb, _____°C outdoor air inlet temperature and _____m^3/min. indoor air flow. The total compressor power inputs shall not exceed _____kW.
The total heating capacity of the split-type air conditioners shall be _____kW or greater, with _____°C indoor heat exchanger inlet air dry bulb, _____°C outdoor heat exchanger air inlet dry bulb, _____°C outdoor heat exchanger air inlet wet bulb, and _____m^3/min. indoor air flow.
The total compressor power input shall not exceed _____kW.

INDOOR UNIT

CABINET - The cabinet shall be constructed of galvanized steel sheet or finished steel sheet, baked with synthetic resin-paint, with a plastic air panel assembly for cassette type unit, and be constructed of galvanized steel sheet for the in-the-ceiling duct type unit.

REFRIGERATION CYCLE - The refrigeration cycle shall be equipped with a heat exchanger, an electronic expansion valve, solenoid valves and flare connections.

INDOOR FAN AND FAN MOTOR - The indoor fan shall be the multi-blade centrifugal type, statically and dynamically balanced, and directly driven by a _____W motor for model _____ and a _____W motor for model _____. The fan motor bearing shall be permanently lubricated. The fan shall deliver _____m^3/min. air flow for model _____ and _____m^3/min. for model _____ at the nominal air flow. Three operating positions Hi, Me and Lo can be selected according to the required conditions.

INDOOR HEAT EXCHANGER - The heat exchanger shall be the multi-pass, cross-finned tube type, equipped with highly-efficient aluminum fins, mechanically bonded to seamless, oxygen-free copper tubes. The fins shall be spaced at no more than 12 fins per 25.4mm. The face area shall not be less than _____m^2 for model _____ and _____m^2 for model _____. The coil shall be cleaned, dehydrated and tested for leakage at the factory.

HITACHI

Qingdao Hisense Hitachi Air-conditioning Systems Co.,Ltd.

Specifications in this catalog are subject to change without notice, in order that HITACHI may bring the latest innovations to their customers.

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