DAIKIN

VRVSDHK2017-1

VRV S

Heat Pump 50 Hz

R-410A

NEW LIFE STYLE

CONTENT

Daikin Residential Central Air Conditioning System

New Life Style

Breakthrough the limits of air conditioning in the past, this new air conditioning system redefines residential central air conditioning by integrating various functionalities-cooling, heating, dehumidifying, and refreshing-into one single system. It is a revolution in residential central air-conditioning that brings you a NEW LIFE STYLE!

Temperature-Humidity Balancing

Temperature

Temperature-Humidity Balancing indoor unit

Our new series offer comfortable living environment and improve airflow distribution by its unique design.

Comfortable Environment

Humidity

Indoor units for kitchen, bathroom and closet usage

New arrived air-conditioning system for kitchen/bathroom/closet, overcoming the problems of oil fumes and humidity

Air Quality

Air-Flow

Air Quality

Indoor units equipped with PM2.5 filter and fresh air processing function

Daikin's air purification system brings in fresh and healthy air. It effectively removes atmospheric particulate matter (PM2.5), NO_2, SO_2 and other harmful substances, maintains the air-quality for the in-house environment.

Intelligent and Flexible

Intelligent

DS-AIR/MODBUS

DS-Air long distance remote control system and integrated home MODBUS control system bring you intelligent new lifestyle.

INDOOR UNIT FEATURES

FJRSP-AAP with sensing

Ceiling Mounted Duct (Temperature-Humidity Balancing 3D Airflow with Sensing) Type

FJRAP-AAP

Ceiling Mounted Duct (Temperature-Humidity Balancing 3D Airflow) Type

Daikin's cooling system focuses on balancing of temperature and humidity, which is the key for comfort. This makes the body feel more comfortable, refreshing and wholesome.

Automatic Dehumidifying Mode

Automatic On/Off Dehumidifying Function to keep the indoor living space dry

Equipped with internal humidity sensor. The system is automatically turned on when humidity is over 75%. Automatically turned off when humidity is under 65%. Dehumidifying range is up to 10%.

TIPS

When humidity is above 70%, molds grow rapidly. Furniture, walls and the floor, are susceptible to mildew growth and decay.

High humidity leads to...

Total control of humidity in unoccupied space

- Developed specially for hotel rooms and other unoccupied space. It takes total care of the room temperature and humidity, once the automatic dehumidifying function is turned on.

24-hour non-stop humidity control

- 24-hour non-stop humidity control when the automatic dehumidifying function is turned on, saving the need to empty water tanks from time to time.

Refreshing Mode

This mode controls humidity on the basis of regular temperature adjustment. It not only lowers the humidity without lowering the temperature during the rainy or humid seasons, but also avoids overcooling in hot summer through temperature-humidity balance. It prevents discomfort caused by sharp temperature drops, gives you a refreshing and wholesome experience.

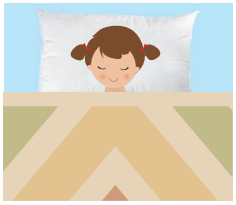
Lowering humidity without lowering temperature during humid or rainy days

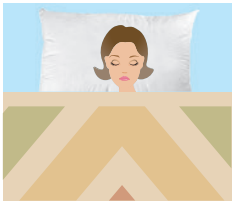
Refreshing and healthy experience during hot summer

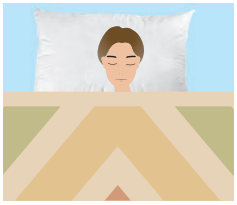
Sleeping Mode

People of different age and gender respond to temperature and humidity differently. They are especially sensitive while sleeping. The Sleeping Mode can be activated with one single button. Presetting temperature with 3 levels of humidity adjustment lets your whole family enjoy peaceful sleep all night long.


The elderly falls prey to wetness and coldness


The kids are susceptible to colds


The ladies are prone to allergy

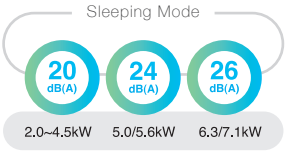

The gentlemen like it cool

Quiet and natural airflow, prevent air-sickness

- Daikin prevents uncomfortable drafts by reducing air velocity to approx. 0.3m/s. You can sleep well and have no worries about catching a cold.

Lower operating sound, better sleep for your family

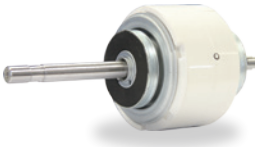
- When compared with conventional dehumidifiers, Daikin's Ceiling Mounted Duct (Temperature-Humidity Balancing 3D Airflow with Sensing) Type Indoor Unit operates with low sound level of just 20 dB(A), which is like a gentle rustle of leaves outside the window at night. When quietness is combined with a 3D all-angle airflow for cooling as well as for warming, you may enjoy a comfortable sleeping environment for your whole family.



DC inverter technology: further enhance energy saving

From the indoor unit to the outdoor unit, from the fan motor to the compressor motor, even the condensate drain pump motor, DC motor is used to effectively save energy and further reduce vibration of the machine.


Outdoor Unit Fan Motor


Indoor Unit Fan Motor

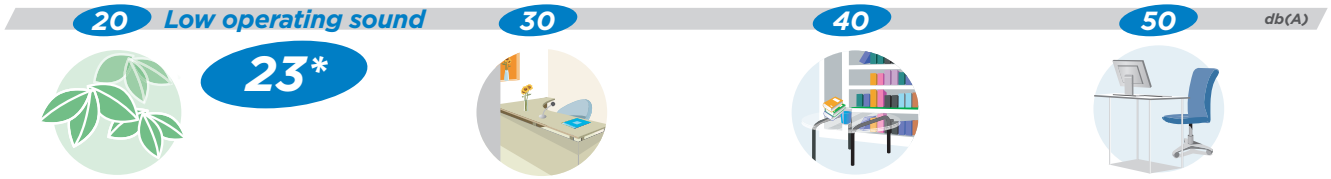

DC Motor Drain Pump

FJRP-AAP

Slim Ceiling Mounted Duct (Temperature-Humidity Balancing) Type

Heat exchange efficiency improvement of indoor units helps to reduce operation sound level.

Low operation sound level

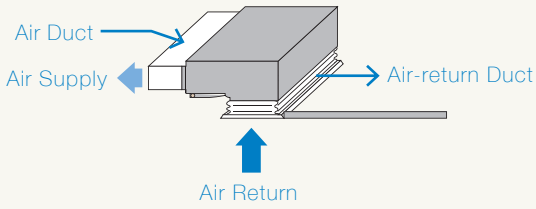


* Low operating sound level, data for 22/25/28 Models are actual values tested by the factory

Flexible installation

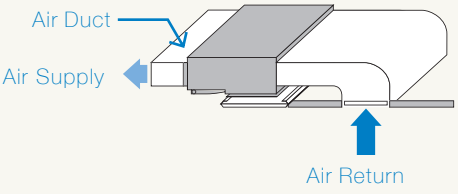
Bottom-suction

- Only a small space of the suspended ceiling is needed and it is easy to match with any interior decoration.
- Set with an access panel for easy maintenance.



Back-suction

- If there is sufficient space for installation, it is recommended to have air outlet from the side and air return from the rear, which effectively reduces operating sound level.
- Set with an access panel for easy maintenance.



Refreshing Mode

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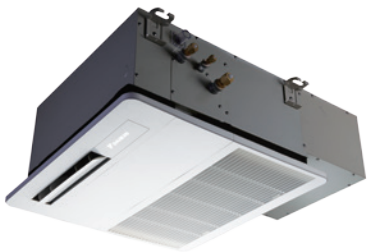


FJEBP22BA
For Use in Bathrooms Type (White Panel)

Ceiling Mounted Cassette Corner (Bathroom-use) Type

Bathroom time should always be pleasant and wholesome. Overcoming high humidity problem, Daikin is the first to bring central air conditioning into bathrooms. This indoor unit helps to create fresh and pleasant environment in bathrooms.

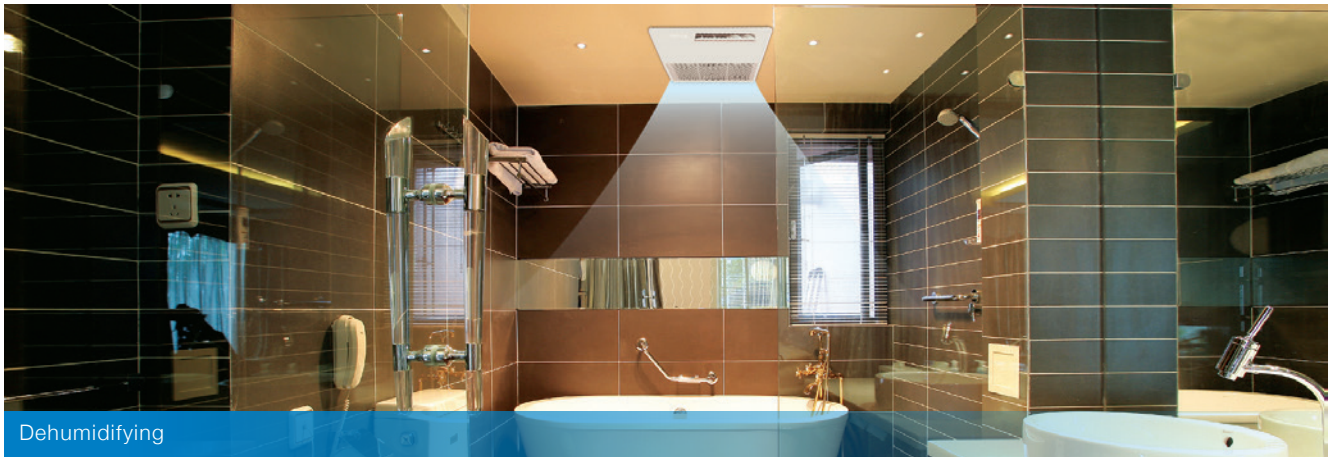
Warm and cosy heating in winter

- The whole bathroom is warmed up.
- 90 degree right angle airflow, to provide warm and comfortable environment.

Cool and refreshing in summer

- Stay cool with no more sweating in summer.

Remain dry all year long, effectively suppress the growth of molds



- When the indoor humidity exceeds 70%, the growth rate of molds increases rapidly.
- Daikin's bathroom AC system has built-in dehumidifying function to keep the bathroom space dry and wholesome all year round.

Drying clothes: enjoy drying clothes during humid and rainy days

- Clothes are difficult to dry during humid and rainy days.
- The drying function of Daikin Bathroom AC dries 6kg of clothes in 2.5 hours.

* Tested by Daikin Laboratory

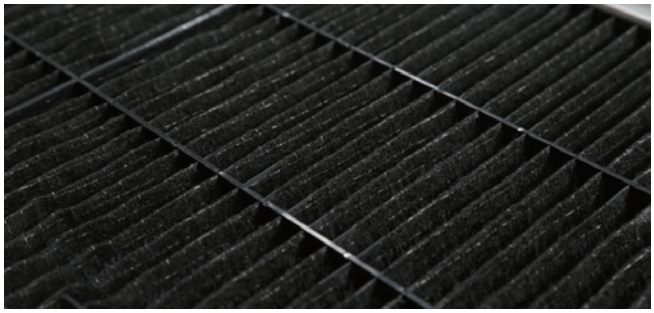
All-day ventilation to discharge moisture and odours quickly

- The bathroom is full of moisture after bathing. If moisture is not removed for a while, it sticks to towels and thus creates odour and molds.
- The ventilation function can be used alone to remove moisture and odours, keeping air in the bathroom fresh.

Multi-function

HIGH EFFICIENCY HEATING | EFFECTIVE COOLING | DRYING | STANDALONE VENTILATION | COOL AIR CIRCULATION

Specialized in preventing dampness and molds, safe and wholesome



- Damp proof and mould proof filter.
- Mould proof level reaches the highest: Level 0.

- Remote control conforms to IPX4 water proof level.

NOTE

GB21551.2-2010 defines mould proof levels from Level 0 to Level 4, with Level 0 being the highest, which means that "there is no visible mould growth when observed under microscope with a magnification of 50 times".

NOTE

International Industrial Standard IPX waterproof levels: from IPX0 of zero protection to IPX8, with IPX4 representing "Anti-spray": No adverse effect upon direct spraying of water from any direction.

FJEKP22/32BA
For Use in Kitchen Type (White Panel)

Ceiling Mounted Cassette Corner (Kitchen-use) Type

Daikin has overcome what conventional air conditioning systems couldn't handle-greasy fumes, and has made central air conditioning systems move into kitchen to create a comfortable and cool environment for cooking.

Air conditioner for kitchen cooling

Cooling down of a specific spot while cooking

- Airflow to a specific spot for cooling down those who are cooking in front of the stove.
- It creates a New Life Style to cook gracefully in a cool and comfortable kitchen.

TIPS

If the kitchen ventilator's exhaust volume is high and the air conditioning is turned on at the same time, cool air would be lost easily. Focusing airflow to a specific spot can cool down those who are cooking to ensure their comfort.

Overall cooling during the preparation stage

- Apart from cooking time, quite much time is spent in the kitchen every day.
- Daikin makes every moment in the kitchen more enjoyable.

Vegetable picking 15mins

Material washing and cutting 20 mins

Dish washing 15 mins

Easy to match with any interior decoration

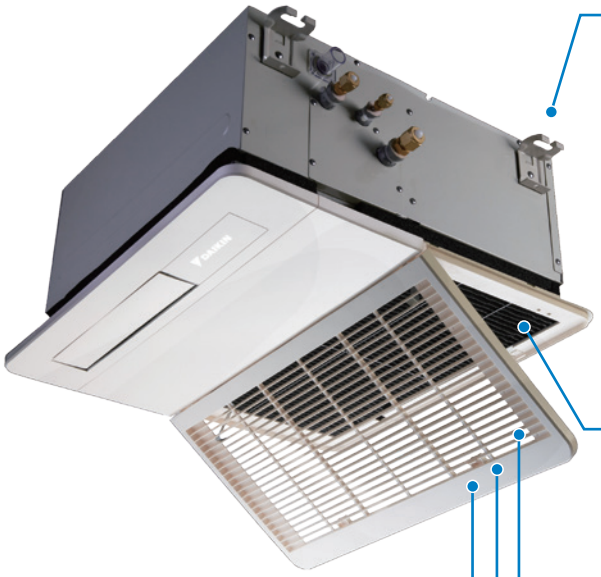
Elegant colour

- Smooth white panel that matches well with the colours of aluminium boards and gypsum boards.
- When installed into the suspended ceiling, it integrates seamlessly with any interior design. Once turned off, the air outlet is closed automatically.

Simple form

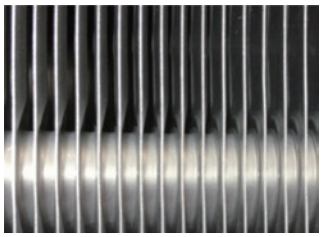
- Indoor unit installs within the suspended ceiling of the kitchen with a pleasing appearance.

Professional countermeasure for grease to ensure long-term use



Smart fin design to reduce grease sticking

- Air conditioning fins specially designed for kitchens.
- Fins with wider spacing and smooth surface to prevent grease holding.



Specially designed filter to effectively isolate fumes

- Mould proof Level 0, the highest.
- Tested with compliance to GB21551.2-2010, holding a third-party test report-A Report on filter mould proof test.
- Monitoring organization: Guangdong Detection Centre of Microbiology.

Easy to dismantle and clean

Grease proof board

- Not easy for grease to stick.
- High-temperature resistant.
- Easy to clean and wash.

Intelligent drying operation to remove odour and prevent mould growth

- Automatic drying operation for machine internal (30 min by default). Effectively prevent mould growth.

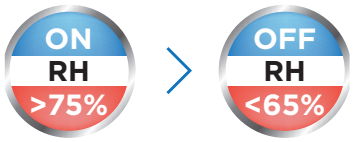
Dedicated remote control for kitchen

FJECP22BA
For Use in Closet Type

Ceiling Mounted Cassette Corner (Closet-use) Type

Automatic dehumidifying keeps your clothes always fresh and dry

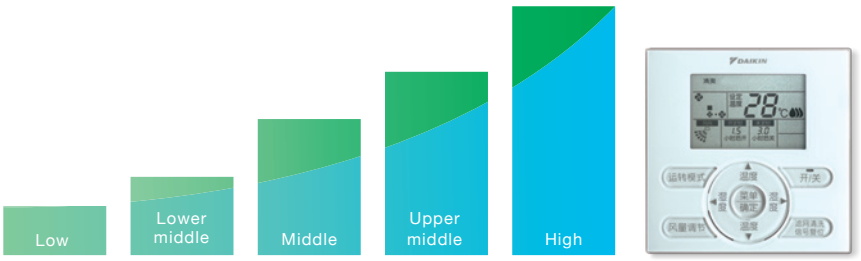
Automatic dehumidifying function enables when the relative humidity is 75% or above and off when reach 65% to keep closet always fresh and dry.



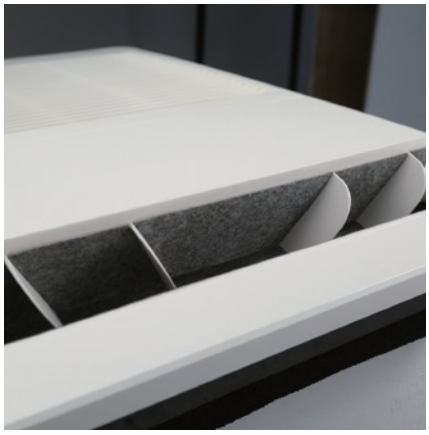
Different modes makes the most comfortable changing room

Through different modes-Cooling in summer; Heating in winter-you can experience the most comfortable changing experiences.

Airflow in 5 levels and wide-angle airflows enables a round flow of air



Indoor units provide 5 levels of airflow rate, changeable according to real usage. Changeable angles of airflows from 25° to 90° allow dry and fresh air to hit every corner of your closet.



Tiny built-in unit design

- Built-in panel design fits in the small and compact closet.
- Downward removal makes repair and maintenance more convenient.

FJDSP-ABP

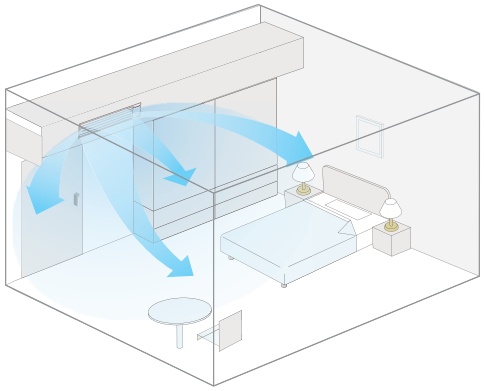
Ceiling Mounted Duct (3D Airflow with Sensing) Type

FJDAP-ABP

Ceiling Mounted Duct (3D Airflow) Type

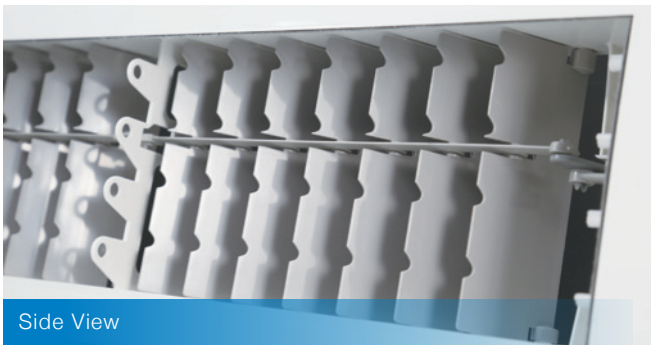
Evenly distributed airflow brings you an extremely pleasant experience. The system is even equipped with intelligent sensors, so as to provide comfort and energy saving.

Wide angle airflow to create comfortable environment

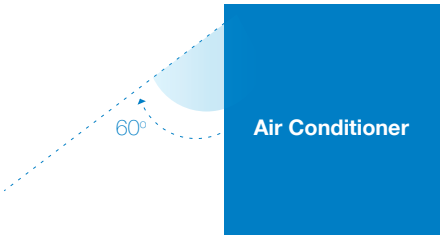


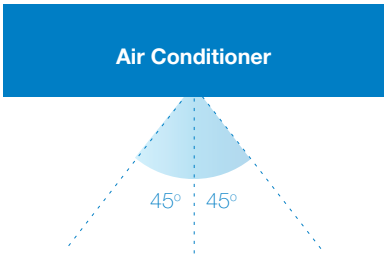
Both the horizontal and vertical flags at the supply air outlet can be freely adjusted with remote control settings. The horizontal blinds move up and down at 0-60 degrees while the vertical blinds move left and right at 45 degrees at each side. 3D airflow is made available to every corner of a room.

Top View



Side View

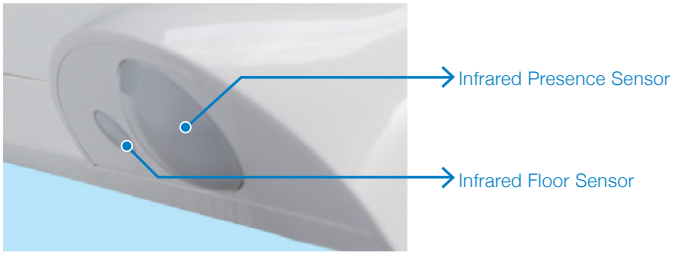




Intelligent sensors for IntelliSense

Infrared Presence Sensor

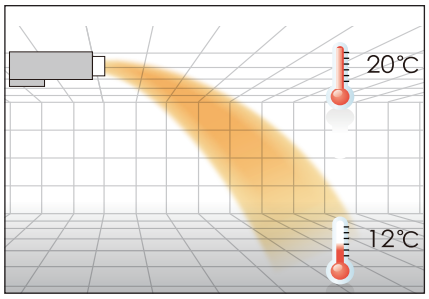
- Human body sensor to detect where people are located.
- Its 3D gentle airflow can be set to skip or focus on human bodies, offering comfort through intelligence.

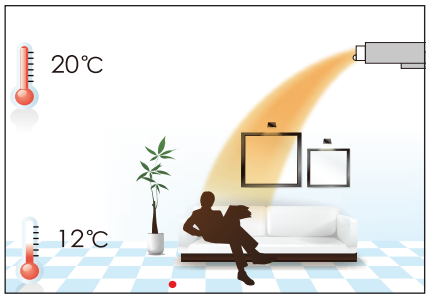


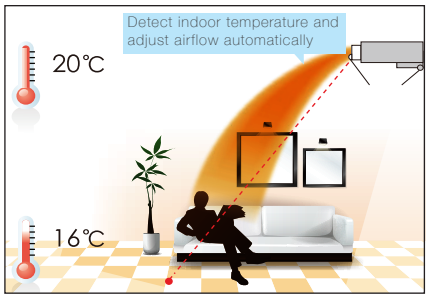

Draft Prevention Mode Comfortable for elderly and kids


Direct Draft Mode Let you enjoy cool air promptly

Infrared Floor Sensor







- Commonly, the temperature sensor of the duct type unit is located at the air-inlet, therefore the ground temperature cannot be detected.
- Intelligent sensor could detect the indoor temperature near the floor. Airflow volume is automatically adjusted according to the feedback from the sensor. Bodily comfort is guaranteed.

Integral smooth panel supply air outlet

Smooth and classy

- High-class CS resin panel finished with sophisticated processing technology to match well with ceiling styling and high-class interior decorations.

Condensation proof

- 3D air outlet is made of high-quality resin material, which is less liable to condensation and dripping.

Great appearance when closed

- When the AC is turned off, the air outlet is closed automatically. Such a design not only adds grace to your interior decoration but also prevents dust from getting into the internal parts of the indoor unit.

FJJDP-AAP (3D Airflow with sensing)

FJJGP-AAP (3D Airflow)

FJJFP-AAP (Slim)

Ceiling Mounted Duct with Fresh Air Processing Type (3D Airflow with Sensing/3D Airflow/Slim)

Constant fresh air makes the indoor air new and clean

The amount of fresh air introduction is larger than the national requirement, indoor air being replaced once per hour.

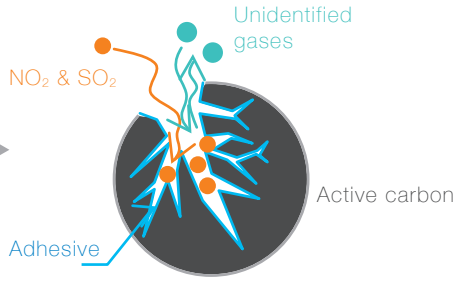
- An individual switch for fresh air enables introduction of fresh air only in between two seasons. When the outdoor relative humidity is too high or temperature is extremely high or low, fresh air introduction can be turned off.
- When fresh air is being introduced, the amount can be automatically adjusted according to the load of fresh air if "automatic" fresh air control is on. Electricity waste can be thus avoided to actuate energy saving.
- DC electric motors and drainage pumps are embedded to comprehensively actuate energy saving.

Specially-made filters clean up harmful particles (NO_2 and SO_2)

Daikin's feature: a blend between active carbon and special adhesive

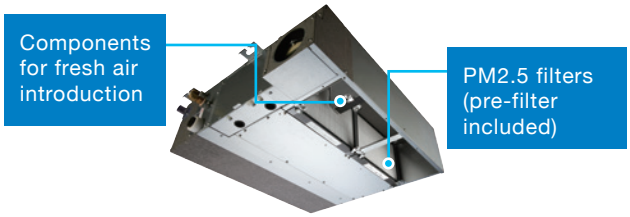
Synergy created by high-quality active carbon and special adhesive effectively eliminates harmful gases like nitrogen dioxide and sulfur dioxide from car exhaust and coal burning. Using Daikin's products effectively lifts up the air quality of introduced air, letting your everyday life similar to that in a natural reserve.

Specially-made filters clean up harmful gases (NO_2 and SO_2)



PM2.5 filters effectively clean up PM2.5 in air

Introducing part of the fresh air through this fresh air vent clears up NO_2 and SO_2 *2 to improve air quality and let you enjoy fresh and clean air.



By means of PM2.5 filters, over 99% of PM2.5 generated from outdoor fresh air and indoor air circulation can be filtered out.

*1 The test was conducted by Shanghai Quality Inspection and Testing of Environmental Protection Products Chief Station. Testing condition and method: obtaining the result by the weighing method after 20 minutes of testing in a laboratory cabin where the size was 30m^3, the temperature was 23-26°C and the relative humidity was 45-55% RH (model number 40 or below were taken as examples)

*2 From Daikin's internal test. The experiment was conducted in an environment with a temperature of 22-25°C, a relative humidity of 35-40% and a ventilating speed of 0.2m/s

3D Airflow types creating the most comfortable experience of 3-dimensional airflows*

* Applicable to FJJDP-AAP & FJJGP-AAP only

FJJSP-AAP (3D Airflow with sensing)

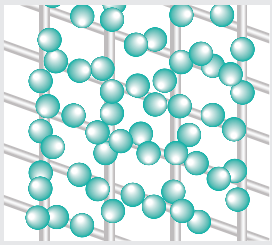
FJJAP-AAP (3D Airflow)

FJDCP-AAP (Slim)

Ceiling Mounted Duct with PM2.5 Filter Type (3D Airflow with Sensing/3D Airflow/Slim)

High-quality PM2.5 filter

By means of PM2.5 filters, over 99%*1 of PM2.5 generated from indoor air circulation can be filtered out.



DAIKIN PM2.5 Filter*

Through electrostatic capture, higher efficiency with less pressure drop can be achieved.

*1 The test was conducted by Shanghai Quality Inspection and Testing of Environmental Protection Products Chief Station. Testing condition and method: obtaining the result by the weighing method after 20 minutes of testing in a laboratory cabin where the size was 30m^3, the temperature was 23-25°C and the relative humidity was 45-60% RH

Effective air purification improve the indoor air quality

By means of large-volume air suction by our indoor units, the filtering speed can be made 4 times faster, which means indoor air undergoes purification 14 times per hour*1. After fresh air introduction and indoor circulation for 30 minutes, the indoor PM2.5 level meets the national first-grade standard*2 which equals the air quality in natural reserves.

Wind volume of common air purifiers	Wind volume of Daikin's indoor units (Air Purification Type) *3
342m^3/h	1140m^3/h

*1 Conditions for calculation: with a special size of 30m^3, floor height of 2.7m and the largest wind volume of 19m^3/min

*2 According to GB3095-2012

*3 The largest wind volume of 71 type indoor units

TIPS

Regarding indoor air purifiers, how to compare the purifying performance when they have same purifying efficiency? The key point is the purifying speed. Once per hour VS thrice per hour; the faster of purification, the cleaner of room air since more times of air being purified within the same period.

3D airflow types creating the most comfortable experience of 3-dimensional airflows*

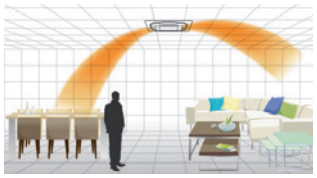
* Applicable to FJJSP-AAP & FJJAP-AAP only

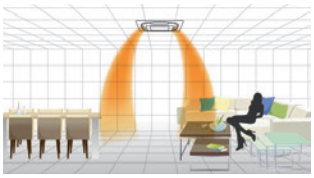
FXFSP-BA

Ceiling Mounted Cassette (Round Flow with Sensing) Type

Using dual sensors to precisely determine the presence of people and floor temperature. 360 degree air flow for more even distribution and increases comfort.

Sensing function





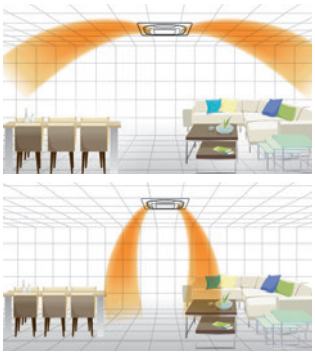
Infrared Floor Sensor

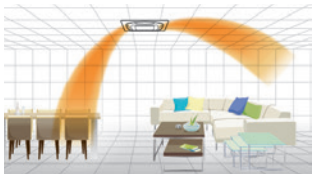
Detects average floor temperature and ensures even temperature distribution between ceiling and floor.

FX(J)FP-LVC

Ceiling Mounted Cassette (Round Flow) Type

Individual airflow direction control





Four flaps can be controlled independently to provide airflows in many different angles.

FXMP-BA/BB

Ceiling Mounted Duct (High Static) Type

External static pressure can reach as high as 200Pa, with at most 14 different levels for adjusting. Flexible enough to take care of the need of large area with high ceilings.

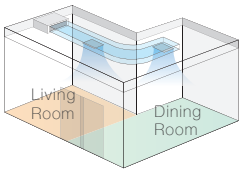
Ultrahigh external static pressure for more flexible installation

Easy to handle large areas and high ceilings

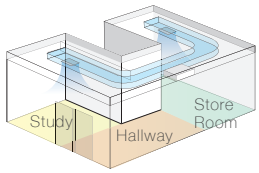

Large area


High ceiling

Connecting longer ducts for irregular spaces



L Shape



U Shape

FJDP-Q(P)VC

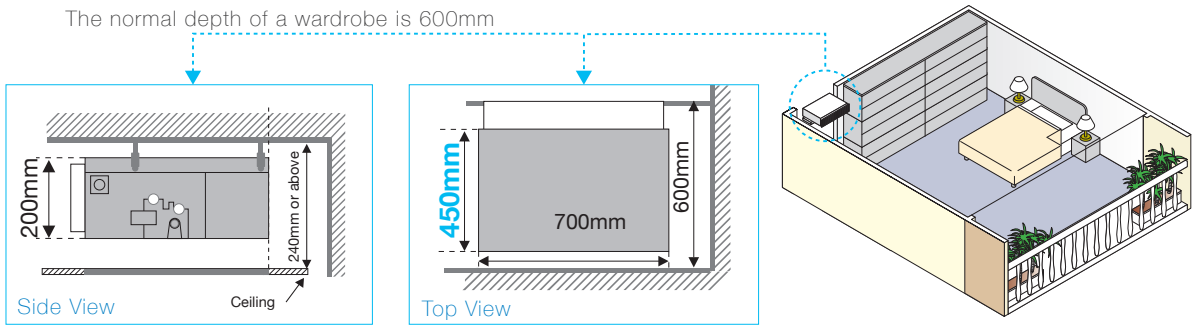
Slim Ceiling Mounted Duct (Compact) Type

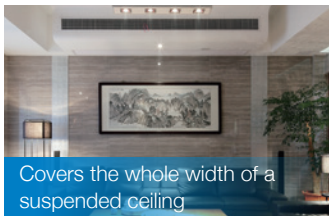
FJDP-Q(P)VC

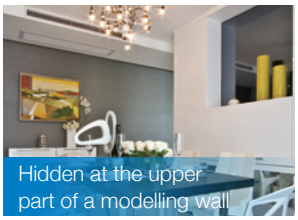
Slim Ceiling Mounted Duct (Large Capacity) Type

Daikin's proprietary design of Slim Ceiling Mounted Duct (Compact) Type Indoor Unit has 200mm ultra-thin compact size, which is possible for installation in apartments of limited ceiling height. It also has a depth of 450mm, which is flexible for installing in bedrooms.

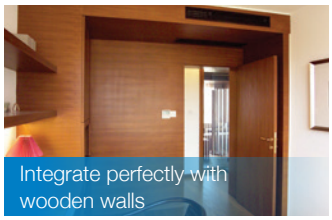
Ultra-thin and compact design for easy installation




Covers the whole width of a suspended ceiling


Hidden at the upper part of a modelling wall

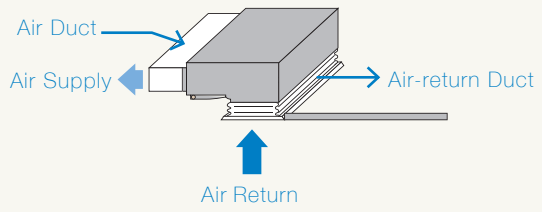

Fit with a curved ceiling


Integrate perfectly with wooden walls

Flexible installation

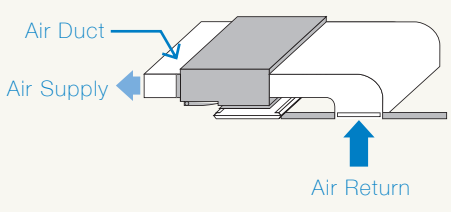
Air return from the bottom

- Only a small space of the suspended ceiling is needed, easy to match with interior decoration.
- Set with an access panel for easy maintenance.



Air return from the back

- It is recommended to have such installation for area with sufficient spaces, which effectively reduces operating noise.
- Set with an access panel for easy maintenance.



Quiet operation during Quiet Mode

Indoor unit operates with a sound as low as 21dB(A)*

- Through reasonable design adjustment of the indoor unit, they (22/25 Models in Quiet Mode) can operate with the lowest noise of 21dB(A).

* Applicable to Compact Type models

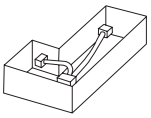
FXSP-CA

Ceiling Mounted Built-in Type

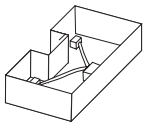
Compact body, only 250mm in height, high external static pressure, can be connected to longer air ducts, wide variety of mounting methods to meet various applications, especially for large spaces.

Versatility and adaptability to suit a variety of room structures

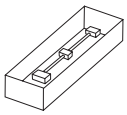
- To cope with the challenges of L-shaped or U-shaped spaces, it is possible to install the air discharge unit away from the main unit. This extends the possibilities for coping with human gathering patterns or sun lighting. It can create even air distribution and guarantees comfort within the whole room.



L-shaped Room



U-shaped Room

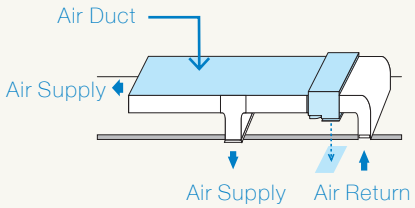


Long Room

Various air supply and air return modes to meet different needs

- Daikin uses a variety of duct machines and integrates various air supply and air return modes for versatile customization to meet user needs for variety occasions.

* Please consult with professionals for specific mounting procedures

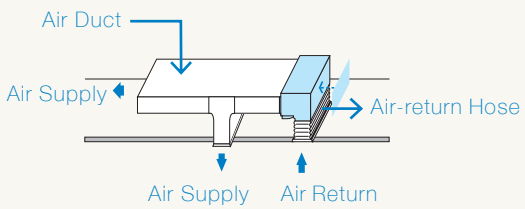


Factory Standard

External static pressure, easy on-site adjustments

Unit: Pa

Model	External Static Pressure (H/L)
FXSP22/28/36/45/56/71/80/100/125/140/150/160CA	80/50
FXSP90/112CA	100/50



Changeable to bottom-suction

FJEP-APVC

Ceiling Mounted Cassette Corner Type

With superior airflow, this become the product of choice for customers that demand efficient heating. With greater versatility to meet interior design needs, air conditioning becomes an added amenity.

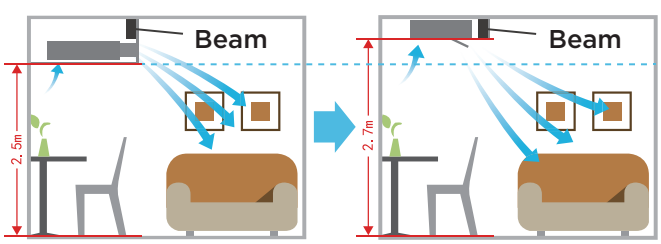
Superior heating performance

- Sending warm air directly by downward air discharge which raises the ground temperature.
- Horizontal and vertical flaps allow for more even air distribution, 3D airflow.

Versatility to meet interior design needs, air conditioning becomes an added amenity

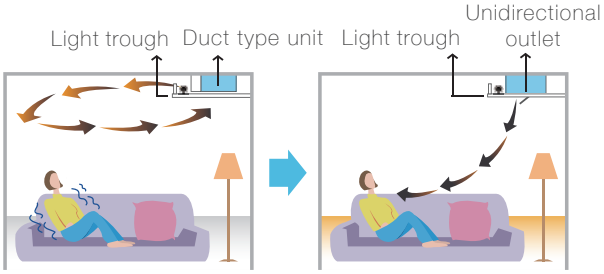
Mounted away from beams, without affecting ceiling height

- For structures with beams, ducts must pass beneath them, thereby lowering the overall ceiling height.
- Ceiling mounted cassette corner type, on the other hand, can be mounted away from beams, thus saving precious ceiling space.



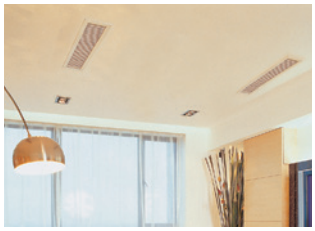
Light trough design won't affect ventilation

- Because of the possible effects on heating, we typically don't recommend light trough design for conventional air ducts. However, unidirectional outlets ventilate from the bottom can avoid conflict with light trough designs.



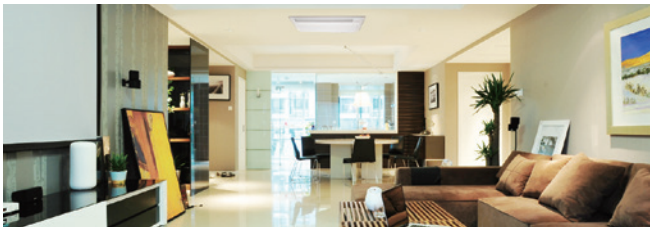
Suitable for small rooms

- The integrated air return panel replaces unsightly air vents that are usually mounted in pairs. Perfect for long, narrow rooms.



Perfect for long, narrow rooms

- 7-meter ventilation for long, narrow dining rooms.



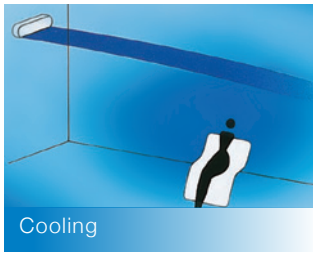
FJAP-NVC

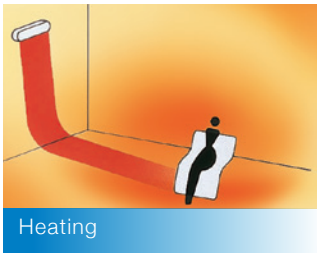
Wall-Mounted Type

Stylish flat panel design creates a graceful harmony that enhances any interior space.

Even & comfortable airflow

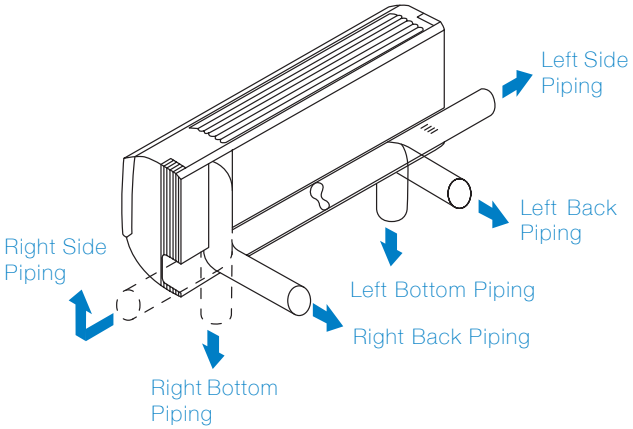
Ventilation panels automatically tilt up and down for comfortable airflow to every corner of the room.





Flexible mounting methods

Wall-mounted units can select a variety methods to install refrigerant piping to match interior decoration.



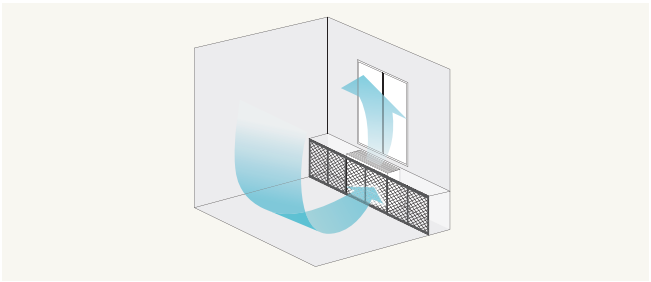
FXNP-MNVC
FJNP-MNVC

Concealed Floor Standing Type

Floor standing units don't take up ceiling space and can be concealed within interior decoration. Air supply from the top and air return from the bottom can optimize heating and save space.

Ceiling-free installation; beauty in its concealment

- The unit can be mounted in the window frame or within a decorative fireplace. The beauty of the unit lies in its concealment.
- Preserve historic beauty with the ceiling-free installation that doesn't require any changes to the original ceiling layout and decorations.



Top-down air flow for optimized heating

- Air supply from the top and air return from the bottom allow for more even air flow distribution and optimized heating experience.
- Easily fits in spaces with high ceilings.

FXNP-MLVC
FJNP-MLVC

Floor Standing Type

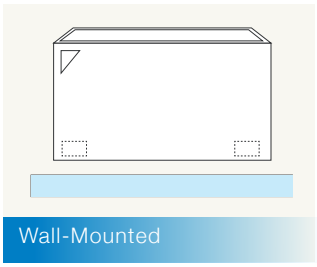
Enjoy warmth without being restricted by ceiling and indoor decoration constraints.

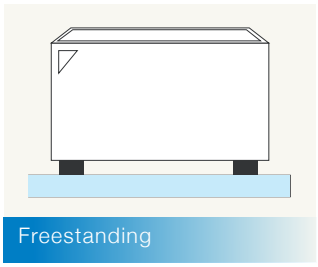
Fibre-less discharge grille

The adoption of a fibre-less discharge grille featuring an original design to prevent condensation and staining, which make cleaning easier.

Flexible mounting methods

Piping extends from the back of the unit so that floor standing units can also be mounted to the wall for easy cleaning and maintenance. It is also convenient for dust removal from the bottom of the unit.





OUTDOOR UNIT FEATURES

Daikin at The Forefront of Cutting-edge Technology

Cozy environment improve the quality of life

Alongside constant modernization, air conditioning has long surpassed simple cooling and heating functionality. Daikin VRV S Series integrates Temperature-Humidity Balancing Technology with conventional cooling and heating functionality, and combines noiseless fans and intelligent defrosting technology to deliver full range of high-quality air-conditioning.

Breakthrough Temperature-Humidity Balancing Technology

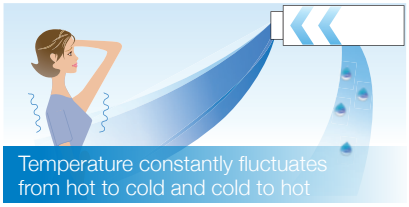
The outdoor unit utilizes a 3-pipe connection with a high and low pressure gas pipe, to form two circuits for temperature and humidity control.

Reheating Dehumidification

- Temperature and humidity controls are connected to maintain stable indoor temperature and ensure dehumidifying without lowering temperature.
- Equipped with two heat exchangers and two electronic expansion valves, temperature and humidity can be controlled independently.
- Precise relative humidity controls expand the range of dehumidification for higher efficiency.
- Reheating through waste heat recycling for energy saving.

Throttle-Controlled Dehumidification

- Temperature and humidity controls work in series, for controlling the temperature at or near the ambient temperature through cooling and refrigeration.
- Temperature and humidity cannot be adjusted individually with a single electronic expansion valve.
- Narrow range of dehumidification; poor dehumidification efficiency.
- No waste heat recycling; low energy efficiency.



Conventional AC-dehumidification

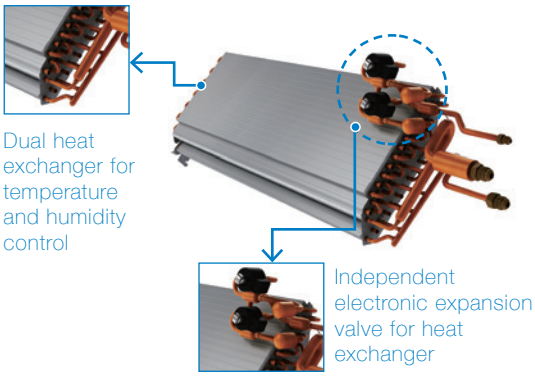
- Humidity priority controls; complete cooling and dehumidification; disregards human feelings during dehumidification.
- Simply adds a humidity sensor probe to a standard indoor unit for automated cooling dehumidification via a control program; poor suitability.
- No waste heat recycling; low energy efficiency.

Dual heat exchanger design for temperature and humidity balancing

- Each indoor unit heat exchanger is equipped with an electronic expansion valve to control refrigerant flow for precise temperature and humidity adjustment.

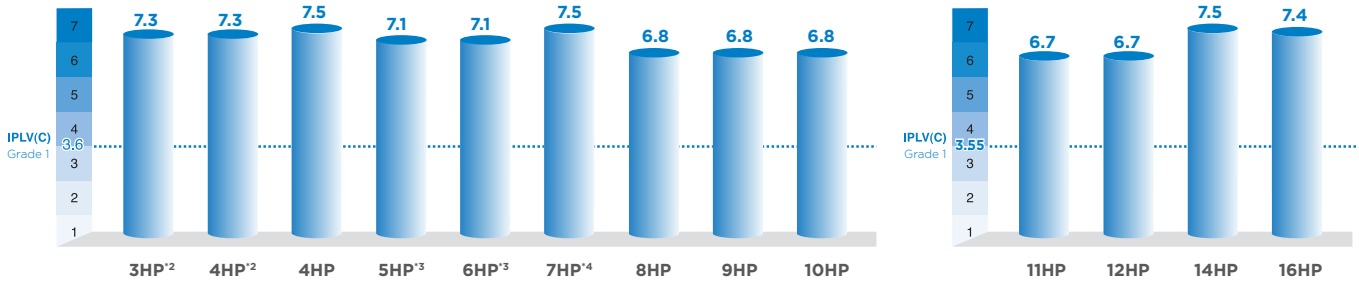
Enjoy comfort and energy savings with reheating dehumidification technology

- The refresh mode utilizes the heat generated during cooling for heat recycling. Minimal power is used during dehumidification. With reheat dehumidification, the rainy season no longer equates to bitter cold dehumidification; comfort and energy savings are two-folded.



Energy Efficiency

Max. IPLV(C)*1 reached 7.5



*1 IPLV(C): Integrated Part Local Value. Please refer to standard GB21454-2008 "The minimum allowance values of the IPLV and energy efficiency grades for multi-connected air-condition(heat pump) unit"

*2 RYZQ-AAV *3 RJZQ-AAV *4 RJZQ7BAV

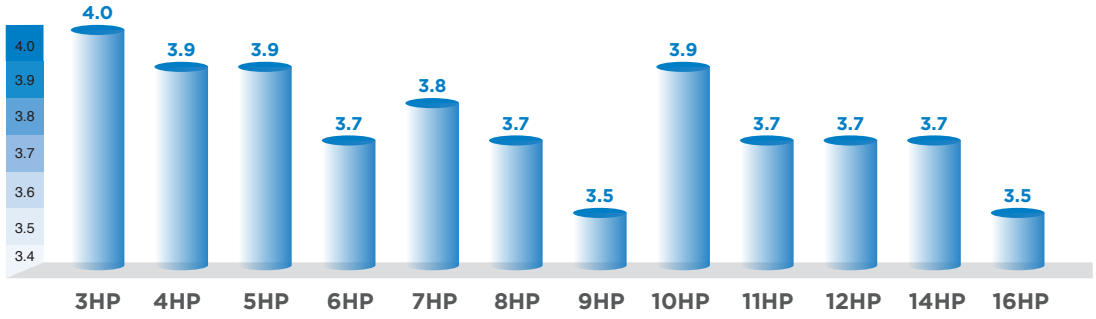
WHAT IS IPLV(C)?

IPLV(C) is used to indicate efficiency of multiple connection air conditioning system, like VRV system. IPLV(C) is an efficiency summary of a system with 4 different loadings.

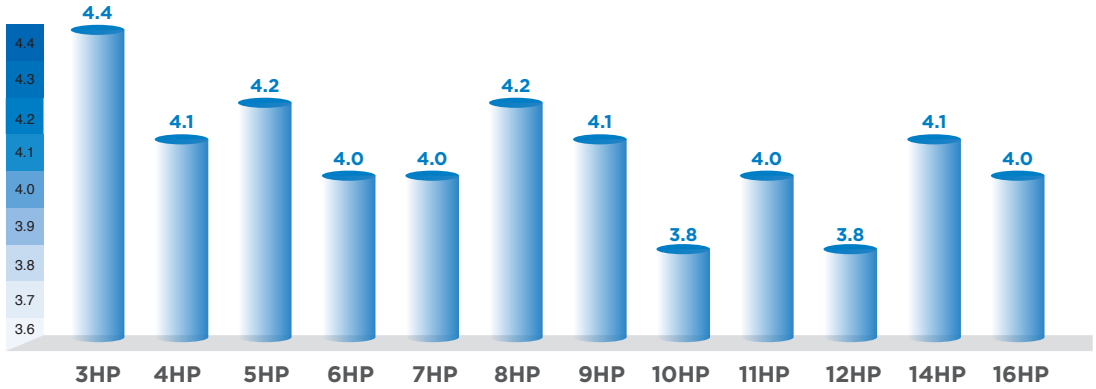
IPLV(C) =

0.05 x 100% COP + 0.3 x 75% COP + 0.4 x 50% COP + 0.25 x 25% COP

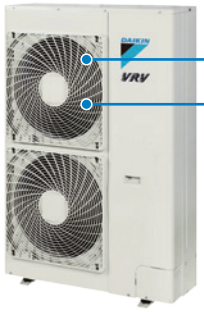
COP (Cooling Mode)



COP (Heating Mode)



Noiseless outdoor units

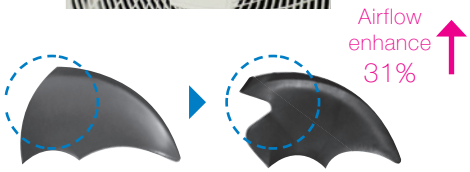


Aero Smooth Grille

The intake-end is equipped with a deflector to reduce turbulence generated by the intake fan for better noise control.

V-Cut Aero Spiral Fan

Inspired by the natural shape of bird's wing, Daikin optimised the blade design for better operating performance.



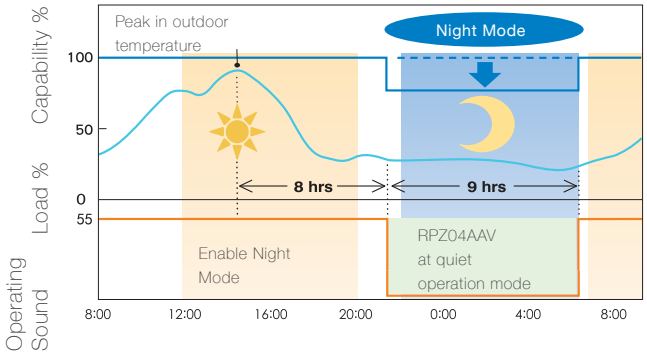
TIPS

Nighttime quiet operation function

Outdoor PC board automatically memories the time when the peak outdoor temperature appears. It will enable quiet operation mode after 8 hrs, and return to normal mode after it keeps for 9 hrs.

Notes:

1. This Function is available in setting on site.
2. The relationship of outdoor temperature (load) and time shown above is just an example. The operating sound in quiet operation mode is the actual value measured by our company.



New V-type Inverter Scroll Compression Chamber

A compressor is the core component of an air-conditioning system that determines the overall performance. With our sound experience in developing compressors and expertise in VRV central air conditioning system, Daikin empowers every VRV unit with a stronger core.

- **High-medium pressure separators**

  Unlike high pressure scroll compressor, the compressor features high-medium pressure separators to prevent ineffective heat loss and boost efficiency.

- **Back pressure control technology**

  The back pressure control technology ensures tightly locked disks under low capacity condition, enhancing the compression efficiency.

- **Highly rigid casing**

  Adopting thixocasting technology which give a higher tensile strength compare to the conventional material.

- **Reluctance DC motor stator**

  Rotary vibration suppression strengthens stator rigidity and reduces magnetic field loss.

New 6 pole neodymium magnet rotor

New centralized 9-coil stator

- **High efficiency neodymium magnet in DC motor rotor**

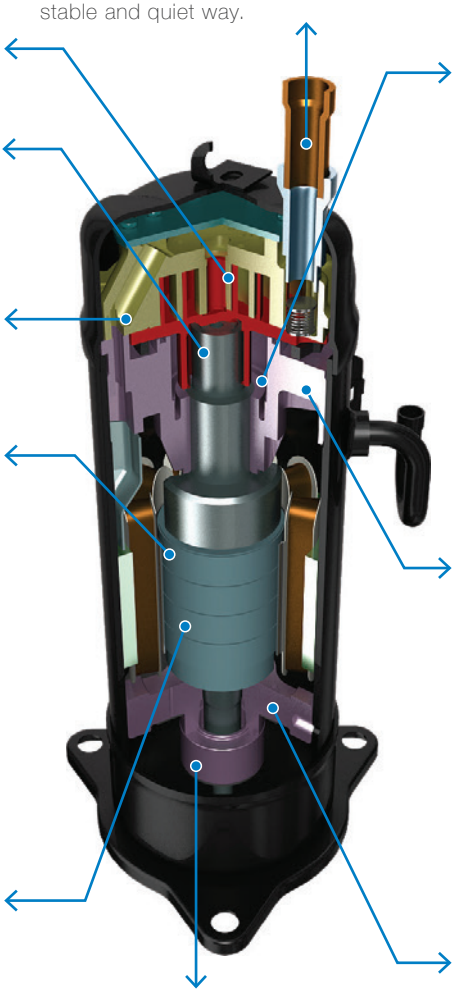
  Neodymium magnet is 10 times stronger than ferrite magnet for a greater starting torque under same power input.

Ferrite Magnet

Neodymium Magnet

- **Pressure reducing valve**

  Adopting high precision anti-vibration technology, together with the spring type fixture, the pressure reducing valve enables the compressor works in a more stable and quiet way.



- **High-Mecha Thrust Mechanism**

  By introducing high pressure oil, the reactive force from the fixed scroll is added to the internal force, thereby reducing thrust losses. This results in improved efficiency and suppressed sound levels.

- **High precision scroll compressor chamber**

  Asymmetric scroll structure.

  Refrigerant enters the compression chamber through the shortest route to reduce heat loss and increase compression efficiency.

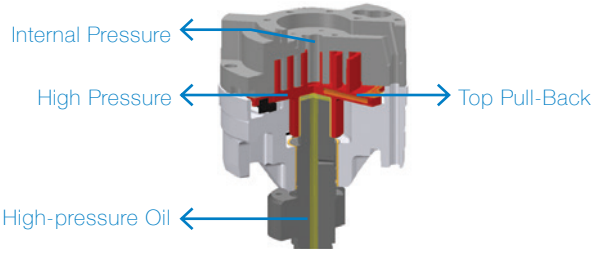
  By varying the inner/outer chamber thickness, the refrigerant intake quantity and overall compression efficiency is further improved.

- **Axial fixture on the terminals**

  Fixed bearing is applied on both terminals in order to provide better performance stability and reduce operation noise.

- **Oil lubrication technology**

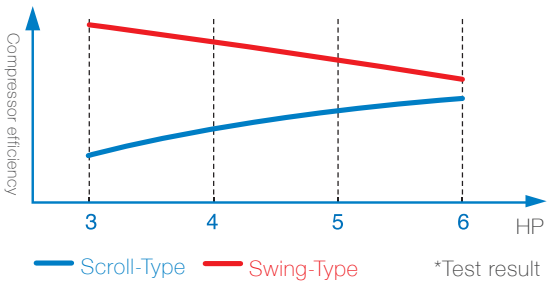
  Deliver oil to the compressor surface by pressure differences rather than pumping which effectively reduce internal compressor friction loss and operation noise. Unit can work more stable with longer service life.



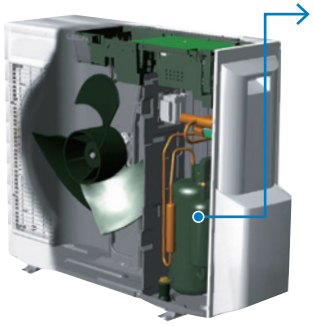
Comparison of scroll compressors and swing compressors

The structural differences of scroll compressor and swing compressor would vary their performance under different operating conditions and capacities. After years of investigation, Daikin has chosen different compressor capacities to reach actual air conditioning system needs and ensure energy savings and comfort.

The compressor efficiency between swing compressor and scroll compressor at 50% partial loading



Efficient, low-noise, durable swing compressor



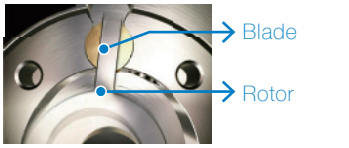
* Critical on Some Models

Powerful Neodymium Magnets

Use of neodymium magnets in the motor enables efficient generation of high torque.

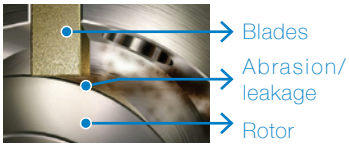
More Efficient, Low Noise and Durable swing compressor Swing Compressor

- The Daikin swing compressor combines the rotor and blades to solve the refrigerant leakage caused by mechanical wear and tear between the rotor and blades.
- High performance, low noise swing compressor operates at a faster rate.



Rotary Compressor

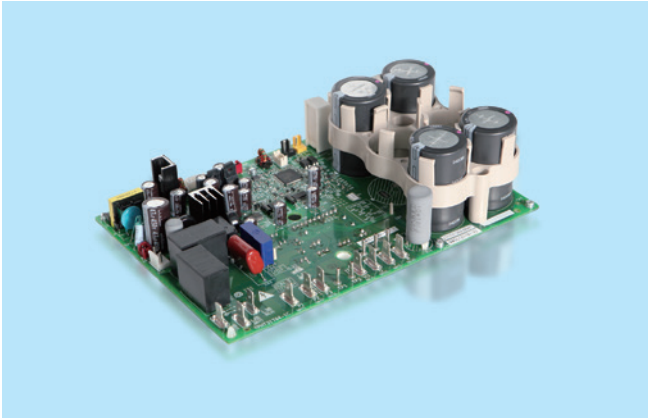
- Mechanical friction between the rotor and blades leads to wear and tear, causing refrigerant leakage, lowering efficiency and generating noise, all of which impact the compressor's service life.



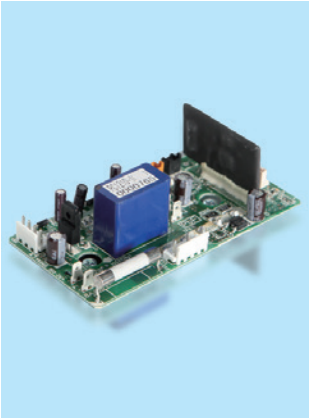
Stepless frequency inverter technology-stable and efficient

VRV S Series Outdoor Units adopt DC inverter technology while the inverter type compressor's control board uses high precision stepless frequency controls for efficient energy savings.

The fan inverter control board adopts a high-precision stepless frequency inverter for precise controls, further lowering the system energy consumption. The outdoor unit adopts DC fan motor for a significant boost to motor efficiency and an effective reduction in outdoor unit energy consumption.



Inverter type Compressor control board



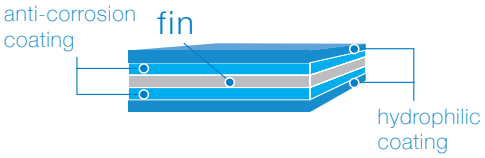
Fan inverter control board

New DC inverter fan motor

Superior heat exchanger design for visible boost in performance

Double coatings ensure lasting, efficient fin heat exchange

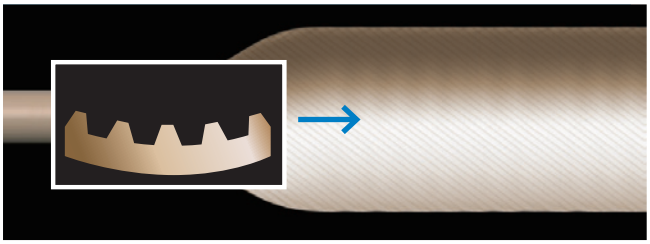
The hydrophilic coating ensures that the air conditioning system is frost resistant and anti-corrosion coating ensures effective mitigation.



Structure of Heat Exchanger Fin with Double Coatings

Internal spiral design for copper piping

Through thousands of test runs and verifications, Daikin has strived to develop the perfect internal spiral for copper piping for more efficient heat exchange rate.

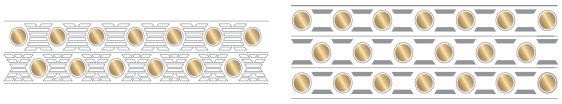


3-row small pipe design

With 3-row of ø7mm diameter copper pipings, reduce airflow resistance to create better heat exchange efficiency.

New fins for higher performance

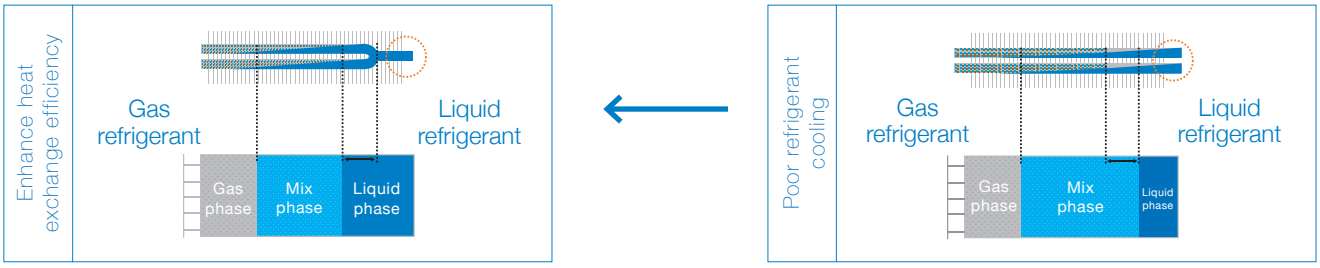
Changing outdoor unit fin shape from fine louver to waffle fin ensures the system's heat exchange performance. The indoor unit adopts dense, high-efficiency heat exchange fins for greater performance.



Fins for Indoor Units | Fins for Outdoor Units

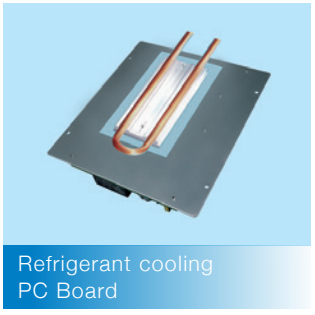
D.I.S.O circuits

D.I.S.O circuit not only increases the amount of liquid refrigerant used but also improves the refrigerant flow rate, thereby improving heat transfer efficiency.



Refrigerant cooling technology

Roof terrace temperature in summer is normally over 40°C, which affects PC board cooling efficiency, resulting in decline of its operating speed and device parts' response speed is also reduced. By adopting refrigerant cooling technology, the reliability of PC board at high ambient temperature has been improved. Thus, PC board failure ratio is reduced.



Refrigerant cooling PC Board

Conventional air-cooled PC board

High-performance thermal rubber applications integrate with refrigerant cooling technology to further enhance the cooling efficiency PC boards.

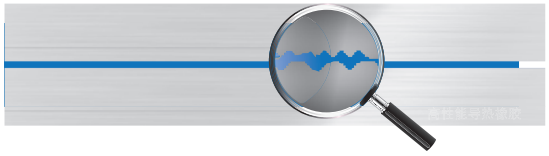
Thermal Silicone:

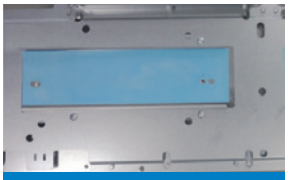
Surface concavity and surface roughness inhibit effective thermal transfer of PC board. Uneven gap filling with silicone will cause uneven heat distribution, and thus damage the PC board.


Thermal Silicone

High-Performance Thermal Rubber:

Thin, flexible shape, high thermal conductivity, well contact, unlike traditional silicone, all the gaps in the interface are completely filled up, to ensure the cooling performance of PC board.

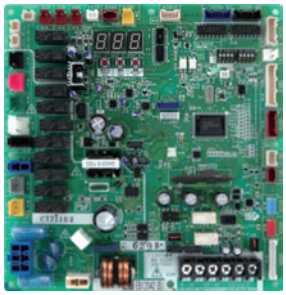


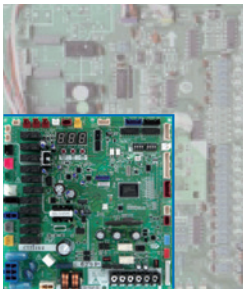

High-Performance Thermal Rubber

High integrated PC board

High integrated PC board takes up less space and lowers the chance of failure.

* Based on 10/11/12HP

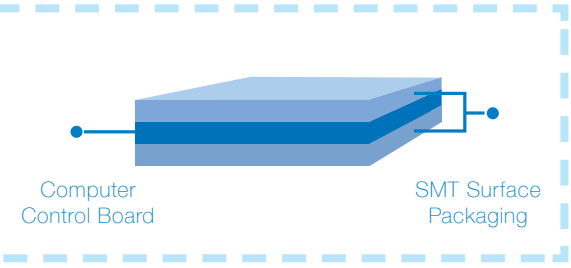

Daikin PC board
- Highly integrated
- Stable operations


Conventional/
Iconic control board

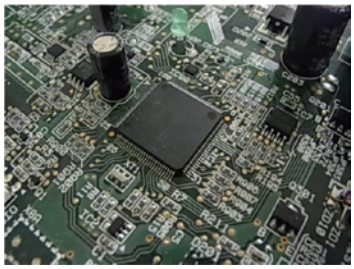
SMT* packaging technology

The entire computer control panel uses SMT packaging technology to improve anti-clutter performance for smooth operations in a variety of harsh environments.

* SMT: Surface Mounted Technology



PC board surface adapting SMT Packaging technology, which protects from the adverse effect of sandy and humid weather


Conventional PC Board Material Surface

Great Value, Flexibility and Freedom

Perfect choice for luxury real estate

Developers offering central air conditioning system will fully consider the design elements, e.g., the position of outdoor units, and condensate discharge piping etc. in order to ensure better home structure, save precious indoor and outdoor space, and significantly increase both sales and use values of the property.

Outdoor unit capacity exactly fits with home size

Ranged from 3HP to 12HP, the capacity of each outdoor unit is finely divided at 1HP intervals to fits perfectly with any home size, ranging from 40m^2 single apartment to 350m^2 luxurious villa.

Completely get rid of cost waste due to "oversized capacity" or potential complaints by homeowners for uncomfortable experience caused by "insufficient capacity".

VRV Residential S-Series Outdoor Unit Array (Side Discharge Type)

3-piping system (HP)	3	4	5	6	7	8	9	10	11	12
Cooling Capacity (kW)	8.0	11.2	14.0	15.5	20.0	22.4	24.1	28.0	30.8	33.5

Compact (HP)	5	6
Cooling Capacity (kW)	14.0	15.5

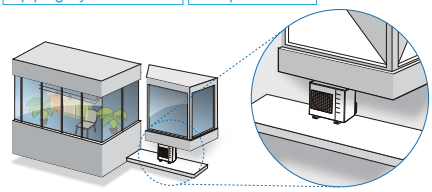
Standard (HP)	4	5	6
Cooling Capacity (kW)	11.2	14.0	15.5

VRV Residential S-Series Outdoor Unit Array

Compact-sized outdoor units to make exterior walls neat and tidy

Compact-sized outdoor units in Daikin's Residential Central Air-conditioning Systems are convenient for installations near bay windows and on equipment platforms, making buildings' exterior walls pleasantly clean and clear. With a height of 823mm, the newly released 3/4HP among all cater for real estate with crowded facades. The brand-new three-piping indoor units offering a cozy environment can also be installed in small units like apartments and town houses.

3-piping System 3/4HP | Compact 5/6HP

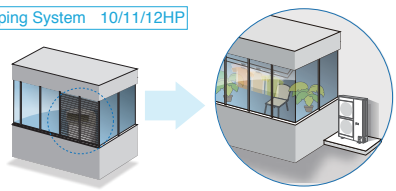


20% reduced height*2

Compact outdoor units are only 823mm high and allow direct installations under bay windows without any need to establish a single equipment platform.

3-piping System*1 Compact

3-piping System 10/11/12HP



55% reduced floor area

Large capacity outdoor units 10/11/12HP with side discharge design enable direct installations and space saving.

*1 RYZQ3/4AAV *2 Compared to Daikin's original units

INDOOR UNIT LINEUP

Indoor unit line up	Outdoor unit System		Cooling/Heating Series																		
indoor unit		Model	Capacity Range (kW)																		
			2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0	16.0
Ceiling Mounted Duct (Tempearture-Humidity Balancing 3D Airflow with Sensing) Type	3-Piping System Type	FJRSP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (Tempearture-Humidity Balancing 3D Airflow) Type		FJRAP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Cassette Corner (Bathroom-use) Type		FJEBP-BA	•																		
Ceiling Mounted Cassette Corner (Kitchen-use) Type		FJEKP-BA	•			•															
Ceiling Mounted Cassette Corner (Closet-use) Type		FJECP-BA	•																		
Slim Ceiling Mounted Duct (Temperature-Humidity Balancing) Type		FJRP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (3D Airflow with sensing and fresh air processing) Type		FJJDP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (3D Airflow and fresh air processing) Type		FJJGP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Slim Ceiling Mounted Duct (Fresh air processing) Type		FJJFP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (3D Airflow with sensing and PM2.5 filter) Type		FJJSP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (3D Airflow and PM2.5 filter) Type		FJJAP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Slim Ceiling Mounted Duct (PM2.5 filter) Type		FJDCP-AAP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Cassette Corner Type	All Types	FJEP-APVC	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (3D Airflow with sensing) Type		FJDSP-ABP	•	•	•	•	•	•	•	•	•	•	•								
Ceiling Mounted Duct (3D Airflow) Type		FJDAP-ABP	•	•	•	•	•	•	•	•	•	•	•								
Slim Ceiling Mounted Duct (Compact / Large Capacity) Type		FJDP-Q(P)VC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
Ceiling Mounted Cassette (Round flow with sensing) Type		FXFSP-BA	•		•		•		•		•		•	•	•	•	•	•	•		
Ceiling Mounted Cassette (Round flow) Type	3-Piping System Type / Compact Type	FXFP-LVC			•		•		•		•		•	•	•	•	•	•	•		
	Standard Type	FJFP-LVC			•		•		•		•		•	•	•						
Ceiling Mounted Built-in Type	3-Piping System Type / Compact Type	FXSP-CA	•		•		•		•		•		•	•	•	•	•	•	•	•	•
Ceiling Mounted (High Static) Type	3-Piping System Type / Compact Type	FXMP-BA			•		•	•	•						•		•		•		•
		FXMP-BB									•	•	•								
Concealed Floor Standing Type	3-Piping System Type / Compact Type	FXNP-MNVC	•		•		•		•		•		•								
	Standard Type	FJNP-MNVC	•		•		•		•		•		•								
Floor Standing Type	3-Piping System Type / Compact Type	FXNP-MLVC	•		•		•		•		•		•								
	Standard Type	FJNP-MLVC	•		•		•		•		•		•								
Wall Mounted Type	All Types	FJAP-NVC	•		•		•														

FJRSP-AAP

Ceiling Mounted Duct (Temperature-Humidity Balancing 3D Airflow with Sensing) Type

FJRAP-AAP

Ceiling Mounted Duct (Temperature-Humidity Balancing 3D Airflow) Type

With Condensation Pump 750mm

Wired Remote Controller

BRC1E641 (Option)

BRC1H611 (Option)

* For FJRSP model only

Model		3D Airflow with Sensing	FJRSP 22AAP	FJRSP 25AAP	FJRSP 28AAP	FJRSP 32AAP	FJRSP 36AAP	FJRSP 40AAP	FJRSP 45AAP	FJRSP 50AAP	FJRSP 56AAP	FJRSP 63AAP	FJRSP 71AAP
		3D Airflow	FJRAP 22AAP	FJRAP 25AAP	FJRAP 28AAP	FJRAP 32AAP	FJRAP 36AAP	FJRAP 40AAP	FJRAP 45AAP	FJRAP 50AAP	FJRAP 56AAP	FJRAP 63AAP	FJRAP 71AAP
Power Supply			1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0
Power Consumption	Cooling	W	33			36		46	50	55		72	
	Heating	W	29			32		42	46	51		68	
Dimensions (H x W x D)		mm	200 x 700 x 620							200 x 900 x 620		200 x 1100 x 620	
Panel Dimensions (H x W x D)		mm	180 x 722 x 116 (Ceiling Space 60)*1							180 x 922 x 116 (Ceiling Space 60)*1		180 x 1122 x 116 (Ceiling Space 60)*1	
			180 x 722 x 70 (Ceiling Space 60)*2							180 x 922 x 70 (Ceiling Space 60)*2		180 x 1122 x 70 (Ceiling Space 60)*2	
Air Outlet Dimensions (H x W)		mm	131 x 525							131 x 725		131 x 925	
Flexible Duct Model			BFD37B45							BFD37B56		BFD37B71	
Airflow Rate (H/MH/M/ML/L)		m^3/min	7.2/6.8/6.3/5.8/5.4			8.3/7.4/ 6.8/6.3/5.8		9.8/9.0/8.4/ 7.8/7.0	10.0/9.2/8.5/ 8.0/7.2	13.5/12.0/ 11.5/11.0/10.0		17.5/16.0/ 15.0/14.0/13.0	
Sound Level (H/MH/M/ML/L)		dB(A)	29/27/26/25/23			32/31/29/27/25		35/34/33/ 31/29	36/34/32/ 30/28	36/35/33/31/30		37/35/33/32/31	
Refreshing Mode	Airflow Rate (H/MH/M/ML/L)	m^3/min	7.2/6.0/5.1/4.3/3.1			8.3/6.9/ 5.8/4.6/3.4		9.8/7.5/5.8/ 4.6/3.4	10.0/7.8/5.8/ 4.6/3.4	13.5/10.0/ 7.1/5.9/5.0		17.5/14.0/ 11.5/10.6/9.5	
	Sound Level (H/MH/M/ML/L)	dB(A)	29/24/20/18/17			32/27/23/20/18		35/29/24/ 20/18	36/29/23/ 19/17	36/29/24/22/21		37/31/27/25/23	
External Static Pressure (High/Standard)		Pa	10/0										
Piping Connections	Liquid	mm	Ø 6.4									Ø 9.5	
	Gas	mm	Ø 12.7									Ø 15.9	
	High and Low Pressure Gas	mm	Ø 9.5									Ø 12.7	
	Drain		PVC26 (O.D. Ø 26 x I.D. Ø 20)										
Machine Weight		kg	24							28		32	
Max. Fuse Amps	MFA	A	16										
Min. Circuit Amps	MCA	A	0.44			0.48		0.56	0.60	0.63		0.75	

*1 For FJRSP-AAP

*2 For model FJRAP-AAP

FJRP-AAP

Slim Ceiling Mounted Duct (Temperature-Humidity Balancing) Type

With Condensation Pump*3 750mm

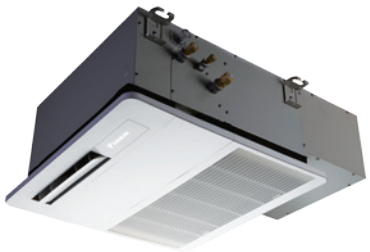
Wired Remote Controller

BRC1E641 (Option)

BRC1H611 (Option)

* For FJRSP model only

Model			FJRP22AAP	FJRP25AAP	FJRP28AAP	FJRP32AAP	FJRP36AAP	FJRP40AAP	FJRP45AAP	FJRP50AAP	FJRP56AAP	FJRP63AAP	FJRP71AAP
Power Supply			1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0
Power Consumption	Cooling	W	33			36		46	50	55		72	
	Heating	W	29			32		42	46	51		68	
Dimensions (H x W x D)		mm	200 x 700 x 620							200 x 900 x 620		200 x 1100 x 620	
Air Outlet Dimensions (H x W)		mm	153 x 660							153 x 860		153 x 1060	
Normal Operation	Airflow Rate (HH/MH/M/L/L)	m^3/min	7.2/6.8/6.3/5.8/5.4			8.3/7.4/6.8/6.3/5.8		9.8/9.0/8.4/7.8/7.0	10.0/9.2/8.5/8.0/7.2	13.5/12.0/11.5/11.0/10.0		17.5/16.0/15.0/14.0/13.0	
	Sound Level (HH/MH/M/L/L)	dB(A)	29/27/26/25/23			32/31/29/27/25		35/34/33/31/29	36/34/32/30/28	36/35/33/31/30		37/35/33/32/31	
Refreshing Mode	Airflow Rate (HH/MH/M/ML/L)	m^3/min	7.2/6.0/5.1/4.3/3.1			8.3/6.9/5.8/4.6/3.4		9.8/7.5/5.8/4.6/3.4	10.0/7.8/5.8/4.6/3.4	13.5/10.0/7.1/5.9/5.0		17.5/14.0/11.5/10.6/9.5	
	Sound Level (HH/MH/M/ML/L)	dB(A)	29/24/20/18/17			32/27/23/20/18		35/29/24/20/18	36/29/23/19/17	36/29/24/22/21		37/31/27/25/23	
External Static Pressure		Pa	30/10						50/20				
Piping Connections	Liquid	mm	Ø 6.4									Ø 9.5	
	Gas	mm	Ø 12.7									Ø 15.9	
	High and Low Pressure Gas	mm	Ø 9.5									Ø 12.7	
	Drain		PVC26 (O.D. Ø 26 x I.D. Ø 20)										
Machine Weight		kg	24							28		32	
Max. Fuse Amps	MFA	A	16										
Min. Circuit Amps (With Pump)	MCA	A	0.44			0.48		0.56	0.6	0.63		0.75	



FJEBP22BA Bathrooms-Use (White Panel)

Ceiling Mounted Cassette Corner (Bathroom-Use) Type

With Condensation Pump 850mm

Wired Remote Controller

BRC62A611 (Option)

IPX4 Waterproof

Model			FJEBP22BA
Power Supply			1-phase 220V 50Hz
Cooling Capacity		kW	1.95
Heating Capacity		kW	3.2
Dimensions (H x W x D)		mm	230 x 555 x 540
Panel Dimensions (H x W x D)		mm	60 (ceiling 45) x 625 x 640
Air Outlet Dimensions (W x D)		mm	320 x 60
Panel/Filter Model			BYEBP22W1C (White)/ BAF143A420
Airflow Rate	Cooling	m^3/min	7/3
Piping Connections	Liquid	mm	Ø 6.4
	Gas	mm	Ø 12.7
	High and Low Pressure Gas	mm	Ø 9.5
	Drain		PVC26 (O.D.Ø 26 x I.D.Ø 20)
Weight	Machine	kg	22
	Panel		2.5
Max. Fuse Amps	MFA	A	16
Min. Circuit Amps	MCA	A	0.6

Standard Mode	Power Consumption	Cooling	W	54
		Heating	W	50
	Airflow Rate		m^3/min	7/3
	Sound Level (High/Low)		dB(A)	43/26
Dehumidify Mode	Power Consumption		W	54
	Airflow Rate		m^3/min	7
	Sound Level		dB(A)	43
Heating Dry Mode	Power Consumption		W	85
	Airflow Rate (unit/exhaust)		m^3/min	7/5
	Sound Level		dB(A)	45
Preheat Mode	Power Consumption		W	50
	Airflow Rate		m^3/min	7
	Sound Level		dB(A)	45
Fan Mode	Power Consumption		W	50
	Airflow Rate		m^3/min	7/3
	Sound Level		dB(A)	43/26
Exhaust	Power Consumption		W	35
	Airflow Rate		m^3/min	5/2.1
	External Static Pressure		Pa	25
	Sound Level		dB(A)	40/24

FJEKP22/32BA Kitchen-Use (White Panel)

Ceiling Mounted Cassette Corner (Kitchen-Use) Type

With Condensation Pump 850mm

Wired Remote Controller

BRC63A621 (Option)

IPX4 Waterproof

Model			FJEKP22BA	FJEKP32BA
Power Supply			1-phase 220V 50Hz	
Cooling Capacity		kW	2.2	3.2
Heating Capacity		kW	2.2	3.2
Power Consumption	Cooling	W	54	54
	Heating	W	50	50
Dimensions (H x W x D)		mm	230x555x540	280x555x540
Panel Dimensions (H x W x D)		mm	60 x 625 x 640 (Ceiling Space 45)	
Air Outlet Dimensions (W x D)		mm	320 x 60	
Panel/Filter Model			BYEKP22AY1C(White)/BAA434A22	BYEKP32AY1C(White)/BAA434A32
Sound Level		dB(A)	42/25	43/35/25
Piping Connections	Liquid	mm	Ø 6.4	
	Gas	mm	Ø 12.7	
	High and Low Pressure Gas	mm	Ø 9.5	
	Drain		PVC26 (O.D.Ø 26 x I.D.Ø 20)	
Weight	Machine	kg	17	19
	Panel		2.5	
Max. Fuse Amps	MFA	A	16	
Min. Circuit Amps	MCA	A	0.6	

FJECP22BA Closet-Use (White Panel)

Ceiling Mounted Cassette Corner (Closet-Use) Type

With Condensation Pump 850mm

Wired Remote Controller


BRC1E641 (Option)

BRC1H611 (Option)

Model			FJECP22BA
Power Supply			1-phase 220V 50Hz
Cooling Capacity		kW	2.0
Heating Capacity		kW	3.2
Power Consumption	Cooling	W	54
	Heating	W	50
Dimensions (H x W x D)		mm	230 x 555 x 540
Panel	Model		BYEBP22W1C (White)
	Dimensions (H x W x D)	mm	60 (Ceiling Space 45) x 625 x 640
	Air Outlet (W x D)	mm	320 x 60
Air Filter			BAF143A420
Sound Level		dB(A)	42/38/34/29/25
Piping Connections	Liquid	mm	Ø 6.4
	Gas	mm	Ø 12.7
	High and Low Pressure	mm	Ø 9.5
	Drain		PVC26 (O.D. Ø 26 x I.D. Ø 20)
Panel/Machine Weight		kg	2.5/17
Max. Fuse Amps	MFA	A	16
Min. Circuit Amps	MCA	A	0.6

FJDSP-ABP

Ceiling Mounted Duct (3D Airflow with Sensing) Type

With Condensation Pump 750mm

Wired Remote Controller

BRC1E631 (Option)

BRC1F611 (Option)

BRC1H611 (Option)

Wireless Remote Controller


BRC4L611*1/621*2 (Option)

FJDAP-ABP

Ceiling Mounted Duct (3D Airflow) Type

*1 FJDSP only *2 FJDAP only

Model		3D Airflow with Sensing	FJDSP22ABP	FJDSP25ABP	FJDSP28ABP	FJDSP32ABP	FJDSP36ABP	FJDSP40ABP	FJDSP45ABP	FJDSP50ABP	FJDSP56ABP	FJDSP63ABP	FJDSP71ABP
		3D Airflow	FJDAP22ABP	FJDAP25ABP	FJDAP28ABP	FJDAP32ABP	FJDAP36ABP	FJDAP40ABP	FJDAP45ABP	FJDAP50ABP	FJDAP56ABP	FJDAP63ABP	FJDAP71ABP
Power Supply			1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0
Power Consumption (Cooling/Heating)	with Pump	W	28/24		29/25	32/28		38/34	49/45			54/50	
Dimensions (H x W x D)		mm	200x700x450							200x900x450		200x1100x450	
Airflow Rate (HH/MH/M/ML/L)		m³/min	8.7/8.1/7.6/7.0/6.5		9.0/8.5/8.0/ 7.5/7.0	10.0/9.3/8.6/7.9/7.2		10.7/10.1/ 9.4/8.7/8.0	12.0/11.2/ 10.5/9.7/9.0	15.0/14.0/13.0/11.5/10.5		19.0/17.0/15.0/13.0/11.5	
Sound Level (HH/MH/M/ML/L)		dB(A)	31/29/27/26/24		31/29/ 27/26/24	34/32/30/29/27		36/35/ 33/31/29	39/37/35/33/31			39/37/35/33/30	
External Static Pressure		Pa	10/0										
Piping Connections	Liquid	mm	Ø 6.4									Ø 9.5	
	Gas	mm	Ø 12.7									Ø 15.9	
	Drain		PVC26 (O.D. Ø26 x I.D. Ø20)										
Machine Weight		kg	17							20		23	
Max. Fuse Amps	MFA	A	16										
Min. Circuit Amps	MCA	A	0.38		0.40	0.48		0.50	0.60	0.63		0.66	
Panel (H x W x D)		mm	180 x 722 x 116 (Ceiling Space 60) *1							180 x 922 x 116 (Ceiling Space 60) *1		180 x 1122 x 116 (Ceiling Space 60) *1	
		mm	180 x 722 x 70 (Ceiling Space 60) *2							180 x 922 x 70 (Ceiling Space 60) *2		180 x 1122 x 70 (Ceiling Space 60) *2	
Air Outlet Dimensions (H x W)		mm	131 x 525							131 x 725		131 x 925	
Flexible Duct Model			BFD37B45							BFD37B56		BFD37B71	

*1 For FJDSP *2 For FJDAP

FJJDP-AAP

Ceiling Mounted Duct (3D Airflow with Sensing and Fresh Air Processing) Type

FJJGP-AAP

Ceiling Mounted Duct (3D Airflow and Fresh Air Processing) Type

FJJFP-AAP

Slim Ceiling Mounted Duct (Fresh Air Processing) Type

With Condensation Pump 750mm

Wired Remote Controller

BRC1E651 (Option)

*1: FJJDP/FJJGP Only *2: FJJDP Only

Model			3D Airflow with Sensing (FJJDP-AAP) / 3D Airflow (FJJGP-AAP)											FJJFP-AAP										
			22	25	28	32	36	40	45	50	56	63	71	22	25	28	32	36	40	45	50	56	63	71
Power Supply			1-phase 220V 50Hz											1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0
Power Consumption	Cooling	W	49		54	64		76	77	80		84	93	49		54	64		76	77	80		84	93
	Heating	W	45		50	60		72	73	76		80	89	45		50	60		72	73	76		80	89
Dimensions (H x W x D)		mm	200 x 700 x 660						200 x 900 x 660			200 x 1100 x 660		200 x 700 x 660						200 x 900 x 660			200x1100x660	
Air Outlet Dimensions (H x W)		mm	131 x 525						131 x 725			131 x 925		153 x 660						153 x 860			153 x 1060	
Air Filter		PM2.5Fliter	BAFP554A40						BAFP554A56			BAFP554A71		BAFP554A40						BAFP554A56			BAFP554A71	
		Fliter	BAFC554A71											BAFC554A71										
Machine	Airflow Rate (HH/MH/ M/ML/L)	m^3/min	7.4/ 7.1/ 6.9/ 6.7/ 6.5		8.0/ 7.7/ 7.5/ 7.2/ 7.0	9.0/ 8.5/ 8.1/ 7.6/ 7.2		10.0/ 9.5/ 9.0/ 8.5/ 8.0	13.9/ 13.0/ 12.2/ 11.3/ 10.5	14.2/ 13.0/ 12.0/ 11.0/ 10.5		17.8/ 15.0/ 14.0/ 12.0/ 11.5	19.0/ 17.0/ 15.0/ 13.0/ 11.5	7.4/ 7.1/ 6.9/ 6.7/ 6.5		8.0/ 7.7/ 7.5/ 7.2/ 7.0	9.0/ 8.5/ 8.1/ 7.6/ 7.2		10.0/ 9.5/ 9.0/ 8.5/ 8.0	13.9/ 13.0/ 12.2/ 11.3/ 10.5	14.2/ 13.0/ 12.0/ 11.0/ 10.5		17.8/ 15.0/ 14.0/ 12.0/ 11.5	19.0/ 17.0/ 15.0/ 13.0/ 11.5
	External Static Pressure	Pa	10											20										
Fresh Air Inlet	Airflow Rate	m^3/h	47/44			60/56			74/66			87/80		47/44			60/56			74/66			87/80	
	External Static Pressure	Pa	16/13			22/20			24/20			37/28		16/13			22/20			24/20			37/28	
	Pipe size	mm	Ø 75						Ø 100					Ø 75						Ø 100				
Sound Level (HH/MH/M/ML/L)		dB(A)	34/ 34/ 33/ 33/ 32		35/ 35/ 34/ 34/ 33	36/ 35/ 34/ 34/ 33		38/ 37/ 36/ 35/ 34	39/ 38/ 37/ 36/ 35			39/ 37/ 36/ 35/ 34	40/ 38/ 37/ 36/ 35	34/ 34/ 33/ 33/ 32		35/ 35/ 34/ 34/ 33	36/ 35/ 34/ 34/ 33		38/ 37/ 36/ 35/ 34	39/ 38/ 37/ 36/ 35			39/ 37/ 36/ 35/ 34	40/ 38/ 37/ 36/ 35
Piping Connections	Liquid/Gas	mm	Ø 6.4 / Ø 12.7									Ø 9.5 / Ø 15.9		Ø 6.4 / Ø 12.7									Ø9.5/ Ø15.9	
	Drain		PVC26 (O.D. Ø 26/I.D. Ø 20)											PVC26 (O.D. Ø 26/I.D. Ø 20)										
Machine Weight		kg	23						26			30		23						26			30	
Min. Circuit Amps	MCA	A	0.5		0.6			0.7				0.8	0.9	0.5		0.6			0.7				0.8	0.9
Max. Fuse Amps	MFA	A	16											16										

FJJSP-AAP

Ceiling Mounted Duct (3D Airflow with Sensing and PM2.5 Filter) Type

FJJAP-AAP

Ceiling Mounted Duct (3D Airflow and PM2.5 Filter) Type

FJDCP-AAP

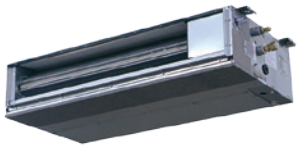
Slim Ceiling Mounted Duct (PM 2.5 Filter) Type

With Condensation Pump 750mm

Wired Remote Controller			Wireless Remote Controller
			
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC4L611*2 BRC4L621*3 BRC4L631*4 (Option)

*1: FJJSP/FJJAP Only *2: FJJSP Only *3: FJJAP Only *4: FJDCP Only

Model			3D Airflow with Sensing (FJJSP-AAP)/3D Airflow (FJJAP-AAP)											FJDCP-AAP										
			22	25	28	32	36	40	45	50	56	63	71	22	25	28	32	36	40	45	50	56	63	71
Power Supply			1-phase 220V 50Hz											1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0
Power Consumption	Cooling	W	41		46	56		68	69	72		76	85	96		101	111		121	111	116		146	161
	Heating	W	37		42	52		64	65	68		72	81	80		85	95		105	95	100		130	145
Dimensions (H x W x D)		mm	200 x 700 x 660						200 x 900 x 660			200 x 1100 x 660		200 x 700 x 660						200 x 900 x 660			200 x 1100 x 660	
Air Outlet Dimensions (H x W)		mm	131 x 525						131 x 725			131 x 925		153 x 660						153 x 860			153 x 1060	
Air Filter			BAFP554A40						BAFP554A56			BAFP554A71		BAFP554A40						BAFP554A56			BAFP554A71	
Machine	Airflow Rate (HH/MH/M/ML/L)	m^3/min	7.4/7.1/6.9/6.7/6.5		8.0/7.7/7.5/7.2/7.0	9.0/8.5/8.1/7.6/7.2		10.0/9.5/9.0/8.5/8.0	13.9/13.0/12.2/11.3/10.5	14.2/13.0/12.0/11.0/10.5		17.8/15.0/14.0/12.0/11.5	19.0/17.0/15.0/13.0/11.5	7.4/7.1/6.9/6.7/6.5		8.0/7.7/7.5/7.2/7.0	9.0/8.5/8.1/7.6/7.2		10.0/9.5/9.0/8.5/8.0	13.9/13.0/12.2/11.3/10.5	14.2/13.0/12.0/11.0/10.5		17.8/15.0/14.0/12.0/11.5	19.0/17.0/15.0/13.0/11.5
	External Static Pressure	Pa	10											20										
Sound Level (HH/MH/M/ML/L)		dB(A)	34/34/33/33/32		35/35/34/34/33	36/35/34/34/33		38/37/36/35/34	39/38/37/36/35			39/37/36/35/34	40/38/37/36/35	34/34/33/33/32		35/35/34/34/33	36/35/34/34/33		38/37/36/35/34	39/38/37/36/35			39/37/36/35/34	40/38/37/36/35
Piping Connections	Liquid	mm	Ø 6.4									Ø 9.5		Ø 6.4									Ø 9.5	
	Gas	mm	Ø 12.7									Ø 15.9		Ø 12.7									Ø 15.9	
	Drain		PVC26 (O.D. Ø 26 x I.D. Ø 20)											PVC26 (O.D. Ø 26 X I.D. Ø 20)										
Machine Weight		kg	22						25			29		22						25			29	
Min. Circuit Amps	MCA	A	0.5			0.6			0.7			0.8	0.9	0.7			0.8						0.9	1.0
Max. Fuse Amps	MFA	A	16											15										



FJDP-Q(P)VC Compact Type

FJDP-Q(P)VC Large Capacity Type

Slim Ceiling Mounted Duct (Compact) Type

Slim Ceiling Mounted Duct (Large Capacity) Type

With Condensation Pump*3
750mm(Compact)
800mm (Large Capacity)

Wired Remote Controller			Wireless Remote Controller	
				
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC4L631*1 (Option)	BRC4C651*2 (Option)

*1: Compact type only *2: Large capacity type only
*3: FJDP-QVC without condensation pump

Model			Slim Ceiling Mounted Duct (Compact) Type											Slim Ceiling Mounted Duct (Large Capacity) Type			
			FJDP22Q (P)VC	FJDP25Q (P)VC	FJDP28Q (P)VC	FJDP32Q (P)VC	FJDP36Q (P)VC	FJDP40Q (P)VC	FJDP45Q (P)VC	FJDP50Q (P)VC	FJDP56Q (P)VC	FJDP63Q (P)VC	FJDP71Q (P)VC	FJDP80Q (P)VC	FJDP90Q (P)VC	FJDP100Q (P)VC	FJDP112Q (P)VC
Power Supply			1-phase 220V 50Hz														
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5
Power Consumption (Cooling/ Heating)	With Pump	W	72/56		75/59	78/62		81/65	93/76	180/152		196/168		140/120		188/168	
	Without Pump	W	56/56		59/59	62/62		65/65	76/76	152/152		168/168		120/120		168/168	
Dimensions (H x W x D)		mm	200 x 700 x 450							200 x 900 x 450		200 x 1100 x 450		200 x 1610 x 560			
Air Outlet Dimensions (H x W)		mm	153 x 660							153 x 860		153 x 1060		153 x 1570			
Airflow Rate (H/MH/M/ML/L)		m^3/ min	8.7/8.1/7.6/7.0/6.5		9.0/8.5/ 8.0/7.5/7.0	9.2/8.7/8.2/7.7/7.2		10.0/9.5/ 9.0/8.5/8.0	11.5/11.0/ 10.0/9.5/9.0	15.0/14.0/ 13.0/11.5/10.5		19.0/17.0/ 15.0/13.0/11.5		24.0/-/20.0/-/16.0		26.0/-/22.0/-/18.0	
External Static Pressure		Pa	30/10							50/20				40/20			
Sound Level (H/MH/M/ML/L)		dB(A)	27/26/25/24/23/21		28/27/26/ 25/24/22	29/28/27/26/25/23		30/29/28/ 27/26/24	33/32/31/ 30/29/27	33/32/31/30/29/27		34/33/32/31/30/28		36/34/32		37/35/33	
Piping Connections	Liquid	mm	Ø 6.4									Ø 9.5					
	Gas	mm	Ø 12.7									Ø 15.9					
	Drain		PVC26 (O.D. Ø 26 x I.D. Ø 20)														
Machine Weight		kg	17							20		23		37		40	
Max. Fuse Amps	MFA	A	15											16			
Min. Circuit Amps (with Pump/without Pump)*	MCA	A	0.7/0.6							1.1/0.9		1.2/1.0		0.7/0.6		1.0/0.9	

* FJDP-QVC: without drain pump FJDP-QPVC: with drain pump

FXFSP-BA

Ceiling Mounted Cassette (Round Flow with Sensing) Type

FXFP-LVC
FJFP-LVC *

Ceiling Mounted Cassette (Round Flow) Type

* For RMXS series

With Condensation Pump*3 850mm

Wired Remote Controller			Wireless Remote Controller
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611*2 (Option)	BRC7L611/BRC7F634F(K)1 (Option)

*1: FXFSP only *2: FXFP only

Model			FXFSP 22BA	FXFSP 28BA	FXFSP 36BA	FXFSP 45BA	FXFSP 56BA	FXFSP 71BA	FXFSP 80BA	FXFSP 90BA	FXFSP 100BA	FXFSP 112BA	FXFSP 125AB	FXFSP 140BA	FX(J)FP 28LVC	FX(J)FP 36LVC	FX(J)FP 45LVC	FX(J)FP 56LVC	FX(J)FP 71LVC	FX(J)FP 80LVC	FX(J)FP 90LVC	FXFP 100LVC	FXFP 112LVC	FXFP 125LVC	FXFP 140LVC
Power Supply			1-phase 220V 50Hz												1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	11.2	12.5	14.0	16.0	3.2	4.0	5.0	6.3	8.0	9.0	10.0	11.2	12.5	14.0	16.0
Power Consumption	Cooling	W	40	49		59	94	99	146		146		214		53	63	74	86	111			156		220	
	Heating	W	36	45		55	90	95	142		142		210		45	55	69	80	100			142		210	
Dimensions (H x W x D)		mm	204 x 840 x 840				246 x 840 x 840						288 x 840 x 840		204 x 840 x 840					246 x 840 x 840				288 x 840 x 840	
Airflow Rate (H/MH/M/ML/L)		m³/min	10.2/9.9/9.6/9.3/9.0	12.5/11.7/10.8/9.9/9.0		13.5/12.4/11.4/10.2/9.0	20.1/18.6/17.1/15.6/14.0	21.5/19.9/18.3/16.7/15.1	25.4/23.2/21.1/19.1/16.8		25.4/23.2/21.1/19.1/16.8		30.0/27.5/25.0/22.5/20.0		12.5/10.8/9		13.5/11.3/9	15.4/12.8/10.2	16.1/13.6/11	23.1/18.8/14.5		25.4/21.1/16.8		30/25/20	
Sound Level (H/MH/M/ML/L)		dB(A)	29/28/27/26/25	30/29/28/27/25		32/31/29/28/25	36/35/33/32/30	37/36/34/33/31	41/39/37/35/33		41/39/37/35/33		44/42/39/37/34		30/28/25		32/29/25	33/30/27	34/31/28	38/34/29		41/37/33		44/39/34	
Piping Connections	Liquid	mm	Ø 6.4					Ø 9.5							Ø 6.4				Ø 9.5						
	Gas	mm	Ø 12.7					Ø 15.9							Ø 12.7				Ø 15.9						
	Drain		PVC32 (O.D. Ø 32 x I.D. Ø 25)												PVC32 (O.D. Ø 32 x I.D. Ø 25)										
Machine Weight		kg	20				24						26		20			21	24					26	
Max. Fuse Amps	MFA	A	16												16										
Min. Circuit Amps	MCA	A	0.3	0.4		0.5	0.8	0.9	1.1				1.5		0.4		0.5	0.6	0.8	1.1				1.5	
Panel (Option)	Model		BYCP125BW1C9												BYCP125KW1C (White)/BYCP125KK1C (Black)										
	Dimensions (H x W x D)	mm	50 x 950 x 950												50 x 950 x 950										
	Weight	kg	5.5												5.5										

* For panel and controller, black and white color are available for FXFP, only white color is available for FJFP

FXSP-CA

Ceiling Mounted Built-In Type

With Condensation Pump 1000mm

Wired Remote Controller			Wireless Remote Controller
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC4C651 (FXSP) (Option)

Model			FXSP22CA	FXSP28CA	FXSP36CA	FXSP45CA	FXSP56CA	FXSP71CA	FXSP80CA	FXSP90CA	FXSP100CA	FXSP112CA	FXSP125CA	FXSP140CA	FXSP150CA	FXSP160CA
Power Supply			1-phase 220V 50Hz													
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0	16.0
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	11.2	12.5	14.0	16.0	17.0	18.0
Power Consumption	Cooling	W	96			104	151			194		228		274	325	
	Heating	W	76			84	131			174		208		254	305	
Dimensions (H x W x D)		mm	250 x 550 x 700			250 x 700 x 700	250 x 1000 x 700			250 x 1400 x 700						
Air Outlet Dimensions (H x W)		mm	200 x 512			200 x 662	200 x 962			200 x 1362						
Airflow Rate (H/M/L)		m³/min	8.5/7.3/6.0			9.5/8.0/6.5	17.6/14.9/12.3			23.8/19.6/15.5		28.0/23.1/18.2		33.0/27.8/22.5	39.0/32.2/25.4	
External Static Pressure		Pa	80/50							100/50	80/50	100/50	80/50			
Sound Level (H/M/L)		dB(A)	32/29/26				35/32/29					37/34/31		40/37/34	42/39/36	
Piping Connections	Liquid	mm	Ø 6.4					Ø 9.5								
	Gas	mm	Ø 12.7					Ø 15.9								
	Drain		PVC32 (O.D. Ø 32 x I.D. Ø 25)													
Machine Weight		kg	21			25	32			40		42				
Max. Fuse Amps	MFA	A	16													
Min. Circuit Amps	MCA	A	0.5				0.6	0.9		1.1		1.4		1.6	2.0	

FXMP-BA/BB*

Ceiling Mounted Duct (High Static) Type

With Condensation Pump 1000mm

Wired Remote Controller			Wireless Remote Controller
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC4C651 (Option)

* Cannot be connected to RMXS series

Model			FXMP28BA	FXMP36BA	FXMP40BA	FXMP45BA	FXMP56BB	FXMP63BB	FXMP71BB	FXMP90BA	FXMP112BA	FXMP140BA	FXMP160BA
Power Supply			1-phase 220V 50Hz										
Cooling Capacity		kW	2.8	3.6	4.0	4.5	5.6	6.3	7.1	9.0	11.2	14.0	16.0
Heating Capacity		kW	3.2	4.0	4.5	5.0	6.3	7.1	8.0	10.0	12.5	16.0	18.0
Power Consumption	Cooling	W	75	79	188		250	280		292	370	455	530
	Heating	W	69	73	182		244	274		286	364	449	524
Dimensions (H x W x D)		mm	300 x 550 x 700		300 x 700 x 700		300 x 1000 x 700				300 x 1400 x 700		
Air Outlet Dimensions (H x W)		mm	250 x 512		250 x 662		250 x 962				250 x 1362		
Airflow Rate (H/M/L)		m^3/min	7.8/6.5/5.6	8.8/7.4/6.5	13.7/11.0/9.4		20.1/19.1/17.4	22.6/21.1/19.2		23.5/21.2/18.8	31.0/26.2/22.3	37.0/31.3/26.5	43.0/36.4/31.0
Sound Level (H/M/L)		dB(A)	31/29/27	32/30/28	38/36/34		41/39/37					43/41/39	45/43/41
External Static Pressure (Standard)		Pa	50		90		100	90					
External Static Pressure Range		Pa	100-30		160-30		200-50						
Piping Connections	Liquid	mm	Ø 6.4					Ø 9.5					
	Gas	mm	Ø 12.7					Ø 15.9					
	Drain		PVC32 (O.D. Ø 32 x I.D. Ø 25)										
Machine Weight		kg	23		26		34				43		
Rated Load Amps		A	0.34	0.36	0.88		1.17	1.31		1.38	1.8	2.2	2.5
Max. Fuse Amps	MFA	A	16										
Min. Circuit Amps	MCA	A	0.6		1.4		1.8	2.3		2.3	2.9	3.4	3.6

FXNP-MNVC
FJNP-MNVC

Concealed Floor Standing Type

Wired Remote Controller			Wireless Remote Controller
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC4C623 (Option)

*FJNP can be connected RMXS series

Model			FXNP22MNVC / FJNP22MNVC	FXNP28MNVC / FJNP28MMVC	FXNP36MNVC / FJNP36MNVC	FXNP45MNVC / FJNP45MMVC	FXNP56MNVC / FJNP56MMVC	FXNP71MNVC / FJNP71MNVC
Power Supply			1-phase 220V 50Hz					
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Consumption	Cooling	W	49		90		110	
	Heating	W	49		90		110	
Dimensions (H x W x D)		mm	610 x 930 x 220		610 x 1070 x 220		610 x 1350 x 220	
Air Outlet Dimensions (H x W)		mm	130 x 562		130 x 702		130 x 982	
Airflow Rate (H/L)		m^3/min	6.8/5.8		8.0/6.0	10.1/8.0	14.0/11.0	15.3/11.3
Sound Level (H/L)*		dB(A)	36/33		36/32	38/33	40/36	41/37
Piping Connections	Liquid	mm	Ø 6.4					Ø 9.5
	Gas	mm	Ø 12.7					Ø 15.9
	Drain		PVC21 (O.D. Ø 21)					
Machine Weight		kg	21		25		31	
Max. Fuse Amps	MFA	A	16					
Min. Circuit Amps	MCA	A	0.3		0.6			

* () indicates sound level of MMVC series.

FXNP-MLVC
FJNP-MLVC

Floor Standing Type

Wired Remote Controller			Wireless Remote Controller
			
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC4C623 (Option)

*1: FJNP for RMXS series

Model			FX(J)NP22MLVC	FX(J)NP28MLVC	FX(J)NP36MLVC	FX(J)NP45MLVC	FX(J)NP56MLVC	FX(J)NP71MLVC
Power Supply			1-phase 220V 50Hz					
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Consumption	Cooling	W	49		90		110	
	Heating	W	49		90		110	
Dimensions (H x W x D)		mm	600 x 1000 x 222		600 x 1140 x 222		600 x 1420 x 222	
Airflow Rate (H/L)		m^3/min	6.8/5.8		8.0/6.0	10.1/8.0	14.0/11.0	15.3/11.3
Sound Level (H/L)		dB(A)	36/33		36/33	38/33	40/36	41/37
Piping Connections	Liquid	mm	Ø 6.4					Ø 9.5
	Gas	mm	Ø 12.7					Ø 15.9
	Drain		PVC21 (O.D. Ø 21)					
Machine Weight		kg	25		30		36	
Max. Fuse Amps	MFA	A	16					
Min. Circuit Amps	MCA	A	0.3		0.6			

FJAP-NVC

Wall-Mounted Type

Wired Remote Controller			Wireless Remote Controller
			
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC7E718W (Option)

Model			FJAP22NVC	FJAP28NVC	FJAP36NVC
Power Supply			1-phase 220V 50Hz		
Cooling Capacity		kW	2.2	2.8	3.6
Heating Capacity		kW	2.5	3.2	4.0
Power Consumption	Cooling	W	19	28	30
	Heating	W	29	34	35
Dimensions (H x W x D)		mm	290 x 795 x 238		
Airflow Rate (H/L)		m^3/min	7.5/4.5	8/5	8.5/5.5
Sound Level (H/L)		dB(A)	35/31	36/31	38/31
Piping Connections	Liquid	mm	Ø 6.4		
	Gas	mm	Ø 12.7		
	Drain		VP18 (O.D Ø 18 x I.D. Ø 13)		
Machine Weight		kg	11		
Max. Fuse Amps	MFA	A	15		
Min. Circuit Amps	MCA	A	0.3	0.4	

FJEP-APVC

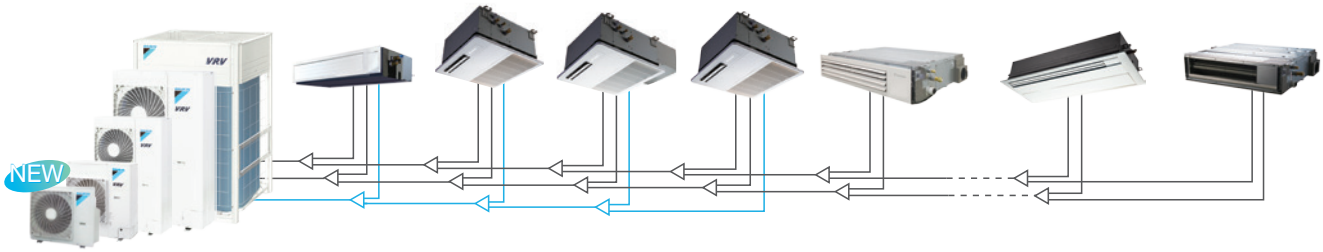
Ceiling Mounted Cassette Corner Type

With Condensation Pump 850mm

Wired Remote Controller			Wireless Remote Controller
			
BRC1E631 (Option)	BRC1F611 (Option)	BRC1H611 (Option)	BRC7L661 (Option)

Model			FJEP22APVC	FJEP25APVC	FJEP28APVC	FJEP32APVC	FJEP36APVC	FJEP40APVC	FJEP45APVC	FJEP50APVC	FJEP56APVC	FJEP63APVC	FJEP71APVC
Power Supply			1-phase 220V 50Hz										
Cooling Capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
Heating Capacity		kW	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0
Power Consumption	Cooling	W	26		27		34	39	46	48		52	67
	Heating	W	22		23		30	35	42	44		48	63
Dimensions (H x W x D)		mm	200 x 840 x 470							200 x 1240 x 470			
Airflow Rate	Cooling	m^3/min	6.0/5.4/4.9/4.4/4.0	6.2/5.7/5.2/4.7/4.3	6.9/6.4/5.8/5.3/4.8	7.4/6.8/6.2/5.7/5.1	8.0/7.5/7.0/6.3/5.5	8.8/8.0/7.2/6.6/5.9	9.8/8.8/7.8/7.0/6.2	12.0/11.0/10.0/9.2/8.4	12.5/11.4/10.4/9.5/8.7	13.5/12.2/11.0/10.0/9.0	15.0/13.6/12.2/11.0/9.8
	Heating	m^3/min	6.0/5.6/5.1/4.7/4.2	6.5/6.0/5.4/5.0/4.5	7.2/6.7/6.1/5.6/5.0	7.7/7.1/6.6/6.0/5.4	8.6/8.0/7.4/6.7/6.0	9.2/8.5/7.8/7.1/6.4	10.2/9.3/8.4/7.6/6.8	13.5/12.4/11.2/10.3/9.5	14.0/12.8/11.6/10.7/9.8	15.0/13.7/12.3/11.3/10.2	16.9/15.3/13.6/12.3/11.0
Sound Level	Cooling	dB(A)	26/25/24/23/22	28/27/26/25/24	30/29/28/27/26	31/30/29/28/26	33/32/31/30/28	34/33/32/30/28	36/35/33/31/29	36/35/33/31/29	36/35/33/31/29	37/35/33/31/29	40/38/36/34/32
	Heating	dB(A)	29/27/25/24/22	31/29/27/26/24	33/31/29/28/26	34/32/30/29/27	36/34/32/31/29	37/35/33/32/30	39/37/35/32/31	39/37/35/34/32	39/37/35/34/32	40/38/36/34/32	43/41/39/37/35
Piping Connections	Liquid	mm	Ø 6.4									Ø 9.5	
	Gas	mm	Ø 12.7									Ø 15.9	
	Drain		PVC26 (O.D. Ø 26 x I.D. Ø 20)										
Machine Weight		kg	17					18		23			
Max. Fuse Amps	MFA	A	16										
Min. Circuit Amps	MCA	A	0.3		0.4				0.5			0.7	
Panel	Model		BYEP45W1C							BYEP71W1C			
	Size	mm	80 (ceiling 50) x 950 x 550							80 (ceiling 50) x 1350 x 550			
	Weight	kg	8.0							10.0			

Piping Limitation



Model		Capacity	Max. Actual Piping Length	Max. Total Piping Length	Max. Level Difference		
					Outdoor and Indoor Units		Indoor and Indoor Units
					If the outdoor unit is above	If the outdoor unit is below	
3-piping System	RYZQ3AAV	8.0kW	50m	250m	30m		10m
	RYZQ4AAV	11.2kW					
	RJZQ4AAV	11.2kW					
	RJZQ5AAV	14.0kW					15m
	RJZQ6AAV	15.5kW	70m	300m	50m	40m	
	RJZQ7AAY	20.0kW	80m				
	RJZQ8AAY	22.4kW					
	RJZQ9AAY	24.1kW					
	RJZQ10BAY	28.0kW					
	RJZQ11BAY	30.8kW					
	RJZQ12BAY	33.5kW					
	RJZQ14ABY	40.0kW	120m	510m		50m	
	RJZQ16ABY	45.0kW					
Compact	RJLQ5AAV	14.0kW	60m	300m	30m		
	RJLQ6AAV	15.5kW					
Standard	RMXS112EY1C	11.2kW	120m		50m	40m	
	RMXS140EY1C	14.0kW					
	RMXS160EY1C	15.5kW					

OUTDOOR UNIT LINEUP

3-Piping System Type

Model			RYZQ 3AAV	RYZQ 4AAV	RJZQ 4AAV	RJZQ 5AAV	RJZQ 6AAV	RJZQ 7AAY	RJZQ 8AAY	RJZQ 9AAY	RJZQ 10BAY	RJZQ 11BAY	RJZQ 12BAY	RJZQ 14ABY	RJZQ 16ABY
Power Supply			1-phase 220V 50Hz					3-phase 380V 50Hz							
Cooling Capacity *1		kW	8.0	11.20	11.20	14.00	15.50	20.0	22.40	24.10	28.0	30.8	33.50	40.00	45.00
Cooling Capacity *2		kW	8.1	11.3	11.3	14.2	15.7	20.2	22.7	24.4	28.4	31.2	34.0	40.6	45.6
Heating Capacity		kW	9.0	12.50	12.50	16.00	18.00	22.40	25.00	26.00	31.50	33.90	37.50	45.00	50.00
Sound Level		dB(A)	50	51	53			55	56	57			58	61	
Power Consumption	Cooling	kW	2.00	2.87	2.87	3.62	4.19	5.22	6.00	6.89	7.20	8.30	9.10	10.70	12.70
	Heating	kW	2.07	3.05	3.05	3.77	4.45	5.60	6.00	6.42	8.29	8.48	9.88	10.90	12.40
Dimensions (H x W x D)		mm	823 x 940 (1030) x 460		990 x 940 x 320		1345 x 900 x 320	1430 x 940 x 320			1615 x 940 x 460			1657 x 1240 x 765	
Airflow Rate		m^3/min	91		76		106	140			182			223	260
Machine Weight		kg	75		80		104	131	140		174		180	288	
Piping Connections	Liquid/Gas	mm	Ø 9.5 / Ø 15.9				Ø 9.5 / Ø 19.1				Ø 9.5 / Ø 22.2		Ø 12.7 / Ø 25.4		Ø 12.7 / Ø 28.6
	High and Low Pressure Gas	mm	Ø 12.7										Ø 15.9		
Operation Range	Cooling/Heating		-5-50°CDB/-20-15.5°CWB												
Min. Circuit Amps	MCA	A	19.8		29.1			18.5			22		24	27	31
Max. Fuse Amps	MFA	A	25		32			25					32		40

Cooling: (*1) Indoor temp. of 27 °CDB, 19 °CWB, and outdoor temp. of 35 °CDB.
(*2) Indoor temp. of 27 °CDB, 19.5 °CWB, and outdoor temp. of 35 °CDB.
Heating: Indoor temp. of 20 °CDB, and outdoor temp. of 7 °CDB, 6 °CWB.

Standard Type

Model			RMXS112EY1C	RMXS140EY1C	RMXS160EY1C
Power Supply			3-phase 380V 50Hz		
Cooling Capacity *1		kW	11.20	14.00	15.50
Cooling Capacity *2		kW	11.3	14.2	15.7
Heating Capacity		kW	12.50	16.00	18.00
Sound Level		dB(A)	48	49	51
Power Consumption	Cooling	kW	3.15	4.25	4.91
	Heating	kW	3.27	4.26	4.99
Dimensions (H x W x D)		mm	1345 x 900 x 320		
Airflow Rate		m^3/min	106		
Machine Weight		kg	125		
Piping Connections	Liquid	mm	Ø 9.5		
	Gas	mm	Ø 15.9		Ø 19.1
Operation Range	Cooling/Heating		-5-50°CDB/-20-15.5°CWB		
Min. Circuit Amps	MCA	A	9.5		
Max. Fuse Amps	MFA	A	15		

Cooling: (*1) Indoor temp. of 27 °CDB, 19 °CWB, and outdoor temp. of 35 °CDB.
(*2) Indoor temp. of 27 °CDB, 19.5 °CWB, and outdoor temp. of 35 °CDB.
Heating: Indoor temp. of 20 °CDB, and outdoor temp. of 7 °CDB, 6 °CWB.

Compact Type

Model			RJLQ5AAV	RJLQ6AAV
Power Supply			1-phase 220V 50Hz	
Cooling Capacity *1		kW	14.00	15.50
Cooling Capacity *2		kW	14.2	15.7
Heating Capacity		kW	16.00	18.00
Sound Level		dB(A)	51	53
Power Consumption	Cooling	kW	3.62	4.30
	Heating	kW	3.77	4.48
Dimensions (H x W x D)		mm	823 x 940 x 460	
Airflow Rate		m^3/min	91	
Machine Weight		kg	88	
Piping Connections	Liquid	mm	Ø 9.5	
	Gas	mm	Ø 15.9	Ø 19.1
Operation Range	Cooling/Heating		-5-50°CDB/-20-15.5°CWB	
Min. Circuit Amps	MCA	A	29.1	
Max. Fuse Amps	MFA	A	32	

Cooling: (*1) Indoor temp. of 27 °CDB, 19 °CWB, and outdoor temp. of 35 °CDB.
(*2) Indoor temp. of 27 °CDB, 19.5 °CWB, and outdoor temp. of 35°CDB.
Heating: Indoor temp. of 20 °CDB, and outdoor temp. of 7 °CDB, 6 °CWB.

CONTROL SYSTEM

Wired Remote Controllers-Type E/H/F Series

BRC1E631

5 Colors

BRC1E641

Temp-Humidity Balance Type/Closet-use Type

BRC1E651

Air Processing Type

BRC1H611

Backlit Display

BRC1F611

3 Colors/Backlit Display

Remote controls of various kinds are offered to you together with Daikin's appliances for home. Through the integrated use of such remote controls, convenience in controlling temperature, wind volume, wind direction, operation time and etc. of one or all of the rooms becomes ubiquitous.

Wired	Functions	BRC1E631series	BRC1E641	BRC1E651	BRC1H611	BRC1F611series
Basic Functions	Basic settings	●	●	●	●	●
	Language	Chinese	Chinese	Chinese	Chinese	Chinese/English
Timer functions	Schedule settings	–	–	–	–	●
	Automatic time switch	–	–	–	–	●
	Timer	●	●	●	●	●
Energy saving Functions	Self-adjusting room temperature	–	–	–	–	●
	Set point temperatures	O	O	O	–	●
	Automatic energy saving	O	O	O	O	●
	Automatic off	O	O	O	O	●
	Automatic monitor off	–	–	–	–	●
Wind direction setting	Forward and backward/ left and right airflow control	●	●	●	●	●
	Individual airflow direction control	–	–	–	●	●
	Automatic airflow direction (direct flow) control	O	O	O	O	●
Other functions	Child lock	●	–	●	–	●
Humidity control	Modes of humidity	–	●	–	●	–
Fresh air control	Individual switch for fresh air	–	–	●	–	–

* "–" Not Applicable "●" Applicable "o" Applicable, field setting is required.
* Buttons are printed in Simplified Chinese only

Wired remote controller-Type E series

BRC1E631

White

BRC1E631N

Gold

BRC1E631S

Silver

BRC1E631P

Pink

BRC1E631R

Red

BRC1E641

White

BRC1E651

White

Daikin's brand-new remote controls with monitors in this vivid series enable flexible matches with every personalized interior decoration. In every particular, they make the interior loftier.

* Indoor units with Ceiling Mounted Duct, Circulating Airflow and Intelligent Sensing should be connected with remote controls in Type F.

Wired remote controller-Type H series

BRC1H611

With 86 x 86mm compact panel size, easily touch screen control.

Wired remote controller-Type F series

BRC1F611

White

BRC1F611N

Gold

BRC1F611S

Silver

Remote control series and integrated controllers

Wired remote controllers (Kitchen-use/Bathroom-use)

BRC63A621

For Kitchen-Use Type (86x86mm)

BRC62A611

For Bathroom-Use Type (86x86mm)

Sharing the same size with ordinary electric switches, the tiny remote controls (86x86mm) to which the "one-press-for-one-function" design is applied guarantee the elderly and kids convenient use. As the waterproof rating reaches IPX4, areas with high humidity no longer pose any problem.

* Controller language is Simplified Chinese only

Wireless remote controllers

BRC4L611
BRC4L621
BRC7L611
BRC4L631
BRC7L661

Backlit Display

BRC4C623
BRC4C651
BRC7E718W
BRC7F634

BRC433B75

Same as the operation of wired remote controls, tiny and flexible handheld remote controls offers convenient control.

Residential central remote controller

DCS303A611

- Users are allowed to simultaneously or respectively turn on/off, adjust the temperature and set the schedule on a number of indoor units.
- Able to control 16 indoor units.
- Able to check and set the operational conditions on each air-conditioning unit.
- Avoid waste incurred by manless air-conditioning operation show information on the super-wide monitor in Chinese.
- Able to check the indoor temperature.
- Able to lock the keyboard to avoid any misuse.

Unified ON/OFF controller

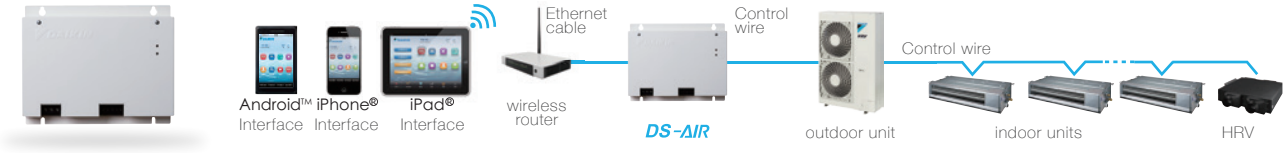
DCS301B611

- Able to simultaneously or respectively turn on/off 16 indoor units.
- Get connected to 16 indoor and 10 outdoor units at most.
- Start/stop operation on a single unit.
- Start/stop operation on all units.
- Remind users of any malfunction (error code not to be shown).

DS-AIR Long-Distance Remote Control System

Through smart mobile devices can we now effortlessly control residential air-conditioning products.

DS-AIR Long-Distance Remote Control System



DTA117B611

- Get connected to 64 indoor and 10 outdoor units at most.
- Mobile control of smart terminal equipment allows connection with 4 sets of terminal equipment at most.
- Able to act as an air-conditioning switch and show temperature, wind speed, mode settings and status.
- Ground heater switch.
- "One-press-for-mode-setting".
- Get connected with 16 hrv at most and turn them on/off .
- Schedule settings.
- Obtain IP address on smart terminal equipment like iphone and android phones to enable one-press settings.

Machine type		DS-AIR
Model		DTA117B611
Power		External supply AC220V 50Hz
Operation conditions		Install into weak-current box or boxes with similar functions
Operation conditions	Surrounding temperature/ humidity	-10°C-50°C/Relative humidity95%RH or below
Size	(H×W×D)	220×260×40(mm)
Communication	100BASE-T	Internet connection
	DIII-NET	Air-conditioning equipment connection
	RS-485	Ground heater connection
Maximum number of connected indoor units		64 unit
Maximum number of connected HRV		16 unit
Maximum number of connected outdoor units		10 sets
Maximum number of connected sets of connecting terminal equipment		4 pieces
System operation Internet environment	Local connection*1	Stay connected with the family wireless router and make sure the area is covered with WIFI signals
	Long-range connection	Stay connected with the family wireless router and make sure the area is covered with WIFI signals
Software operation Platforms*2	iOS	iOS 4.3 or above
	Android system	Android™2.1 or above

*1 In order to allow smooth system operation, users have to secure the coverage of WIFI signals within the usage area and ensure reliable connection.
*2 Software is subject to updates without prior notice.
*3 iPhone,iPad,iPod Touch,FaceTime are trademarks of Apple. iOS is an operating system developed by Apple, used under permission of Cisco. Android TM is a trademark of Google.

MODBUS adapter

DTA116A621

Through transforming DIII-NET protocol into Modbus protocol can the third-party control become convenient.

- Start/stop operation, temperature set point.
- Control wind volume and direction.
- Set the operational mode.
- Reset the filter's signals.
- Supervise abnormal conditions, show abnormality code.

Machine type	MODBUS adapter
Model	DTA116A621
Size (H×W×D)	124×379×87
Power Supply	220V 50Hz
Working Temperature	-20-60°C
Retained Temperature	-25-75°C
Relative humidity	95%or below
Weight	2.1kg
Installation location	indoor or inside weak-current box
Maximum number of connected indoor units	64 units
Maximum number of connected outdoor units	10 sets

* Please contact Daikin's engineers for suitable models and their functions in detail.

MEMO

NEW EXPRESSION OF AIR
ALL IN ONE SOLUTION

DAIKIN

Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

ISO 14001 Certification for Environmental Management (01104060279)

ISO 9001 Certification for Quality Control (00212Q15806R3L)

OHSAS 18001 Certification for Occupational Health and Safety Management (01113060279)

Energy Conservation Certification

24.4kW outdoor units and all indoor units are certified CCC by China Quality Certification Centre.

Promoting Energy Efficient Room Air Conditioners (PEERAC)

Daikin Airconditioning (Hong Kong) Ltd.

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ISO 14001 : 2004
Certificate No.: CC 3416

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