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MINIVRV | APRIL2022



STANDRAD AMBIENT CLIMATE



VRV IV S-series

NEW MINI VRV SERIES PROVIDING
PERFECT COMFORT FOR HOME



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ABOUT DAIKIN

At Daikin®, we are a leading innovator and provider of advanced, high-quality air-conditioning solutions for residential applications.

As World's leading air conditioning company, we are committed to delivering air-conditioning solutions that enhance the quality of life all around the World. Daikin Industries Ltd., a diverse multinational company active in air-conditioning, chemicals and oil hydraulics, was established in 1924. With headquarters in Osaka, Japan, our Daikin family has more than 67,000 members, working across 80 production base units and 208 consolidated subsidiaries worldwide. As the world's sole manufacturer that develops a long line of products from refrigerants to air-conditioners, we advocate comfortable living on the strength of advanced technologies.

We are present in the USA, Europe and Russia, the Middle East, Africa, Asia, Oceania and Middle-South America. We aim to serve our customers in each of these markets by providing optimal air-conditioning solutions.



EXPLORING NEW R&D FRONTIERS

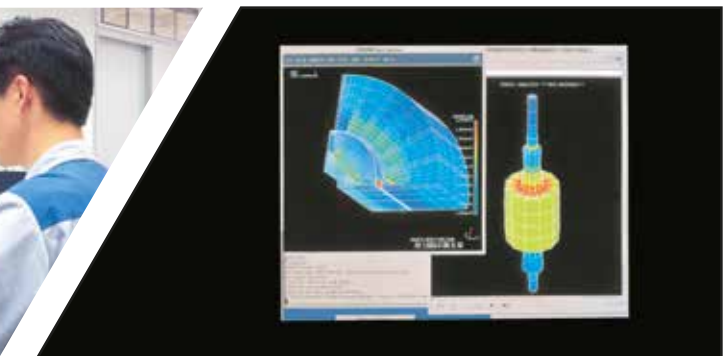


At Daikin, we are creating value through innovative technologies. As a global industry front-runner, we are carrying out research and development on the world's most advanced air conditioning technology. Our strong R&D edge has helped us create futuristic products that enrich people's lives.

Formation of a three-division system of research, IT, and development to support our superior products. To create more advanced functions and new value, we have instituted specialized R&D divisions: the 'Environmental Technology Research Laboratory' and the 'Solution Product Development Centre'.



Environmental Technology Research Laboratory: Intensive Research on Environmentally Conscious, Energy Saving Air Conditioning Technology.



The Solutions Product Development Centre: Integrating Air Conditioners with IT.

MINI VRV S

INTRODUCTION

MINI VRV S is the ideal air conditioning system as it replaces multiple outdoor units with only one unit maintaining the picturesque view of the building. MINI VRV S is ideally suited for residences as it offers a range of indoor units, which can be connected with a centralized outdoor unit.

NEW LIFE STYLE

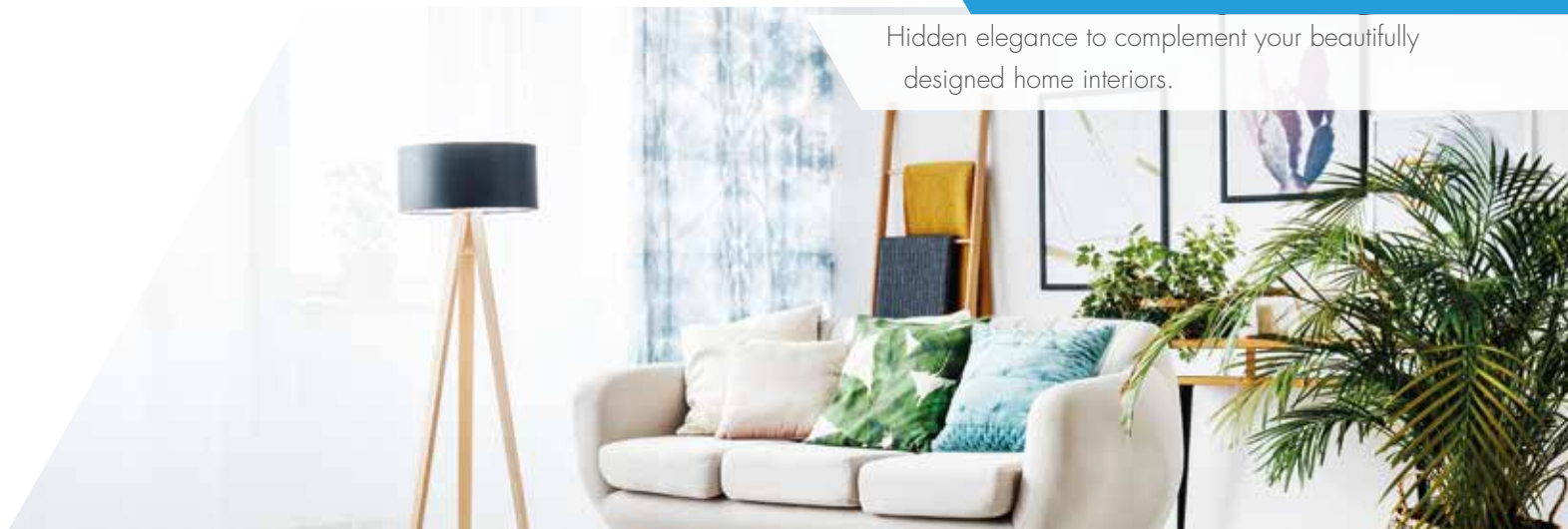
Redefining Home Air Conditioning

A complete solution that provides Cooling/Heating, Comfort, Control and Convenience in one single system.



CONCEALED

Hidden elegance to complement your beautifully designed home interiors.



MINI VRV S

CONTEMPORARY

Creative and modern design to fit your personal heaven.



CARING

Creates a pleasant environment for you and your loved ones.



APPLICATION

CENTRALIZED HOME AIR CONDITIONING

In a conventional split air-conditioning system, a house requires same number of outdoor units and indoor units. For example, a place with four rooms will have four indoor units and four outdoor units.

An apartment or a house that does not have sufficient space will find difficult to accommodate numerous outdoor units. Even if the outdoor units are somehow crowded together they will consume a lot of space, look cluttered and ruin the aesthetics of the house.

MINI VRV S replaces all the outdoor units of the house with just one outdoor unit. A total of 19 indoor units can be connected to one outdoor unit to create the space you have always desired. Also you have different styles of indoor units like duct type and wall mounted type that can be connected with a single outdoor unit. Furthermore, actual piping length of up to 120 meters coverage of widespread spaces is ensured.

MINI VRV S is the ideal air-conditioning system as it replaces multiple outdoor units with only one unit maintaining the picturesque view of the building. MINI VRV S ideally suited for small villas, houses or high-raised residences as well as for offices, shops and gyms as it offers panoply of indoor units, which can be connected with only one outdoor unit.



APPLICATION



OUTDOOR UNIT CAN BE INSTALLED ON A BALCONY

The compact, trunk-shaped outdoor unit can easily be installed on a balcony, realizing complete system installation within each floor. This enables more useful utilization of the space on the building rooftop.

OUTDOOR UNIT CAN BE INSTALLED ON MECHANICAL ROOM

MINI VRV S outdoor unit can achieve high external static pressure up to 40 Pa (for 6 & 8 HP), ensuring the efficient heat dissipation and stable operation in case of using ducts or louvers

OUTDOOR UNIT CAN BE INSTALLED ON THE ROOF

Low height casing design of 870 mm for 6 & 8 HP models saves roof space by up to 41% as compared to a standard two-fan Mini VRV series due to possibility of stacked installation of two VRV outdoor units using special **Daikin Duplex Mounting Bracket** (option)

Variety of installation options (in limited roof space, in mechanical room, in balcony) makes MINI VRV S ideal product for small villas, houses or high-raised residences as well as for offices, shops and gyms.



MAIN FEATURES

- RELIABILITY
- USER COMFORT
- DESIGN FLEXIBILITY
- ENERGY EFFICIENCY
- LOW NOISE
- CONTEMPORARY
- EASY INSTALLATION

OUTDOOR LINE-UP

6 models: Outdoor unit can be selected from six models to provide the power that suits your needs. The trunk-shaped outdoor unit can be neatly installed outside.

| Model Name | Product Image | Capacity(HP) | | | | | |
|--|---------------|--------------|---|---|---|----|----|
| | | 4 | 5 | 6 | 8 | 10 | 12 |
| RXQ-ARV1 1 phase power supply Side Discharge, Single Fan | | ▲ | ▲ | | | | |
| RXMQ-ARV1 1 phase power supply Side Discharge, Single Fan | | | | ▲ | | | |
| RXMQ-ARY1 3 phase power supply Side Discharge, Single Fan | | | | | ● | | |
| RXMQ-ARY1 3 phase power supply Side Discharge, Double Fan | | | | | | ● | ● |

Note
 ▲ - 1 phase power supply
 ● - 3 phase power supply

SINGLE-PHASE POWER SUPPLY

The 4, 5 & 6 HP Outdoor Units, as well as indoor units, operate on a single-phase power supply. This enables MINI VRV S adaptation at residences where 3 phase power supply is not available.

RELIABILITY

PCB BOARD PROTECTION*

Refrigerant cooling technology ensures the stability of PCB temperature & improves reliability at high ambient temperatures. It is possible to cool the inverter power module stability even at high ambient temperature. This helps to keep air-conditioning capacity and also ensures efficient and reliable operation. In addition to stable cooling, Refrigerant Cooling Circuit prevents PCB board from dust, water, and small animal entering, making this design solution ideal for hot desert climate compared to traditional air-cooled PCB Boards.

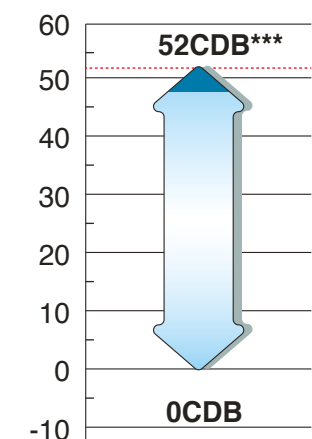


Wide Area Heat Exchanger is designed to ensure delivery of required capacity at any ambient conditions. Heat Exchanger Fins are covered with Blue Film which consists of corrosion resistance layer covered with hydrophilic surface treatment coating to withstand harsh environment conditions. **

WIDE OPERATION TEMPERATURE RANGE

The versatile operation range of the MINI VRV S system works to reduce limitations on installation locations. The operation temperature range for cooling goes all the way up to 52C*** due to the adoption of a high-pressure dome-type compressor

Note
 * Applicable for bigger models (starting from 6 HP)
 ** In case units are located in coastal areas, additional coating will be required. Contact your local distributor for more details about available options.
 *** Applicable for 6 & 8 HP Units; 10 & 12 HP units can operate up to 50 deg.C; 4 & 5 HP Units - up to 49 deg.C



ENERGY EFFICIENCY



HIGH EFFICIENT COMPRESSOR TO ACHIEVE HIGH COP

One of the top features of MINI VRV S is its energy efficiency. It achieves high COP especially at part load.

COMPRESSOR EQUIPPED WITH RELUCTANCE DC MOTOR

MINI VRV S Outdoor Units are equipped with the Reluctance DC motor for the compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor.

*1 A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2 The torque created by the change in power between the iron and magnet parts.

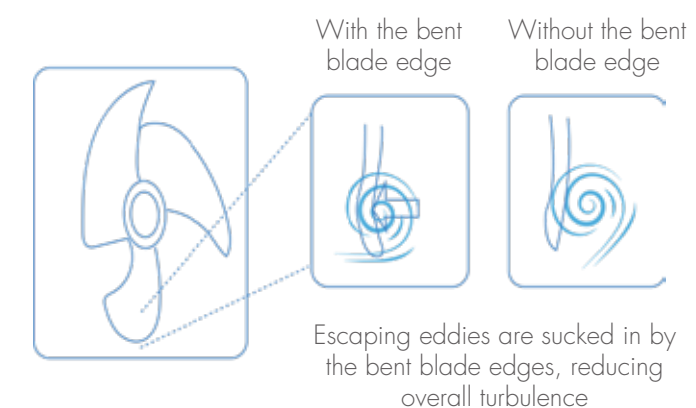
Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.



LOW NOISE

SMOOTH AIR INLET BELL MOUTH AND AERO SPIRAL FAN

Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with bent blade edges, further reducing turbulence.



NIGHT-TIME QUIET OPERATION FUNCTION

Operation sound level selectable from 3 steps for the night mode

MODE 1 AUTOMATIC MODE

Set on the outdoor PCB. The time of maximum temperature is memorized. The low operating mode will become active 8 hours*1 after the peak temperature in the daytime, and operation will return to normal 10 hours*2 after that. The operation sound level for the night mode can be selected from 47 dB(A) (Step 1), 44 dB(A) (Step 2), and 41 dB(A) (Step 3).

MODE 2 MANUAL MODE

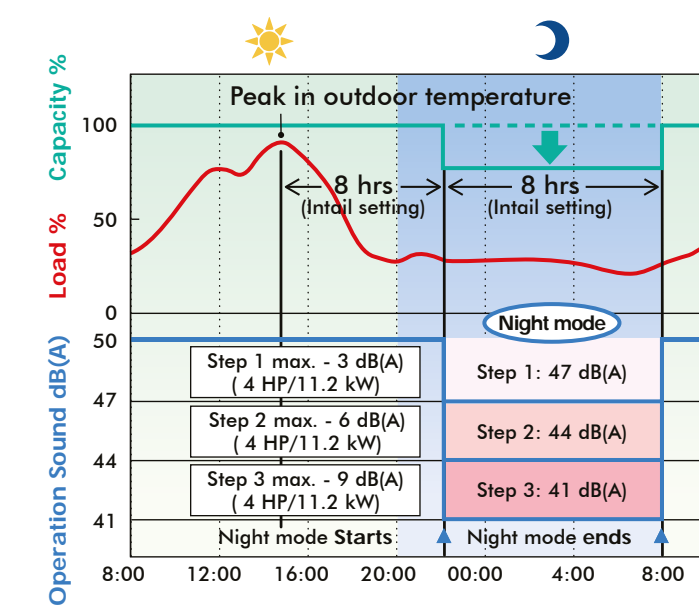
Starting time and ending time can be input. (An external control adaptor for outdoor unit, DTA104A61 or DTA104A62, and a locally obtained timer are necessary.)

MODE 3 COMBINED MODE

Combinations of modes 1 and 2 can be used depending on your needs.

*1. Initial setting. Can be selected from 6, 8 and 10 hours.
*2. Initial setting. Can be selected from 8, 9 and 10 hours.

Mode 1 Automatic mode



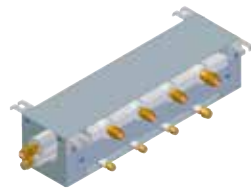
- This function is available in setting at site.
- The relationship of outdoor temperature (load) and time shown in the graph is just an example.
- *The capacity reduction rate differs depending on the operation sound level step selected.

EASY INSTALLATION

BRAZING FREE INSTALLATION

Flare connection based header pack and Daikin TightFit Joints eliminate the need for brazing resulting in quick, safe & quality installation.

HEADER PACK



DAIKIN TIGHTFIT JOINTS



Please refer to pages 39-40 for more details or watch the video:



AUTOMATIC REFRIGERANT CHARGE FUNCTION

Contribute to optimized operation efficiency, higher quality and easier installation

Optimized operation efficiency

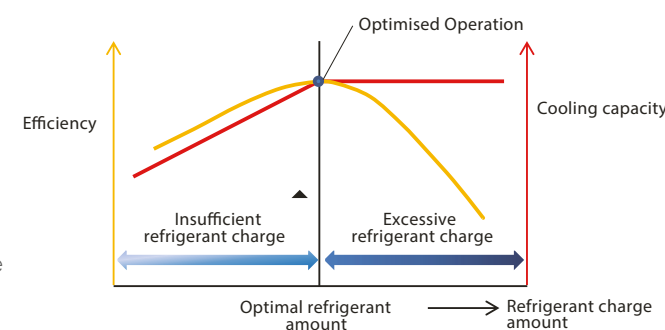
The automatic refrigerant charge function automatically determines the optimal amount of refrigerant to be charged. This function prevents a capacity shortage or energy loss due to excessive or insufficient refrigerant.

Higher quality and easier installation.

The automatic refrigerant charge function automates the charging of the proper refrigerant amount and the closing of shut-off valves with just one press of the switch after pre-charging. Simplified installation eliminates excessive and insufficient refrigerant charge amounts due to calculation mistakes, leading to higher installation quality.

AUTOMATIC TEST OPERATION

Simply press the test operation button, and the unit performs an automatic system check, including wiring, shutoff valves, and sensors. The results are returned automatically after the check finishes.



EASY TO HANDLE

In addition, low height makes the center of gravity of the product positioned lower, leading to easier handling and easier delivery without blocking the workers' view. Less than 115 kg for 4, 5, 6, 8 HP Units, which can be carried by two people



DESIGN FLEXIBILITY

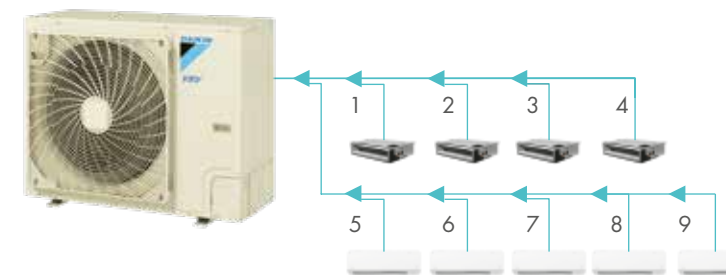


PIPING LENGTH

MINI VRV S series offers broad design flexibility with long refrigerant piping lengths and multiple indoor unit combinations, which provides generous freedom for home design both inside and outside.

AS MANY AS 19 INDOOR UNITS CAN BE CONNECTED TO A SINGLE OUTDOOR UNIT

Multiple indoor unit combinations are possible. As many as 19 indoor units can be connected to a single outdoor unit, making the MINI VRV S remarkably versatile system.

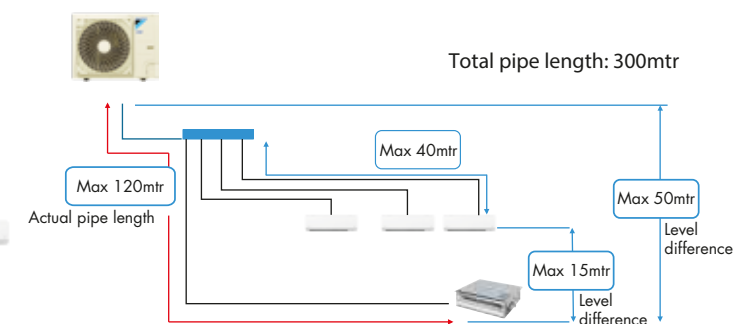


MAX. 19 UNITS

- Max. 13 indoor units for an 8 HP installation
- Max. 16 indoor units for a 10 HP installation
- Max. 19 indoor units for a 12 HP installation

LONG PIPING DESIGN POSSIBLE*

The MINI VRV S provides a long piping length possibility of 120 m, with a total piping length of 300 m. If the outdoor unit is installed above indoor units, the level difference can be up to a maximum of 50 m. These generous allowances facilitate an extensive variety of system designs.



MAX. 19 UNITS

- Max. 6 indoor units for a 4 HP installation
- Max. 8 indoor units for a 5 HP installation
- Max. 9 indoor units for a 6 HP installation

TOTAL PIPING LENGTH MAX. 300 M*

- The level difference between outdoor and indoor unit is 50 m
- Maximum piping length between the indoor unit and the first branch is 40 m.

Note:

* Applicable for the bigger units with the capacity 6 HP and above. Consult technical literature for the details

CONTEMPORARY

CENTRALIZED AIR CONDITIONING

MINI VRV S offers centralized Lifestyle Air Conditioning solutions wherein one Outdoor unit can be connected with multiple Indoor units. This system has the flexibility of connecting different types of Indoor units in the same circuit. The suitable Indoor unit that blends with interiors and fulfill cooling requirements can be selected.

CONCEALED & SLEEK IDU DESIGN

NEW LIFE STYLE

Technology meets Design



HIDE AND SLEEK

The units are compact and slim enough to fit into any false ceiling, giving you more space and flexibility to create the perfect home you desire. Now, function and aesthetics can live in beautiful harmony.

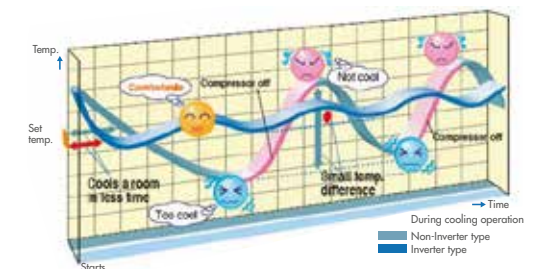


USER COMFORT



PRECISE TEMPERATURE CONTROL

The inverter technology provides very close tolerance of the room temperature in the range of ± 0.5 degrees Celcius compared to a conventional system where it is as high as ± 2 degree Celcius. This reduces temperature fluctuation resulting in better human comfort.





NIGHT-TIME QUIET OPERATION

Quietness is an important feature of the MINI VRV S system as it provides luxurious comfort. To reduce noise and realize comfortable operation; The latest technologies and features are applied to the indoor units as well as outdoor unit.

INDOOR UNIT LINE-UP

VRV INDOOR UNITS

A variety of VRV indoor units are enabled in one system, opening the door to stylish and quiet indoor units.

| Type | Model Name | Capacity Range HP | 0.6 | 0.8 | 1 | 1.25 | 1.6 | 2 | 2.5 | 3.2 | 4 | 5 | 6 |
|--------------------------------------|------------|---|----------------|-----|----|------|-----|----|-----|-----|----|-----|----------|
| | | | Capacity Index | 15 | 20 | 25 | 32 | 40 | 50 | 63 | 80 | 100 | 125 |
| Wall Mounted | FXAQ-ARVM |  | | ● | ● | ● | ● | ● | ● | | | | |
| Ceiling Mounted Cassette Round Flow | FXFSQ-ARV1 |  | | | ● | ● | ● | ● | ● | ● | ● | ● | ● NEW |
| Slim Ceiling Mounted Duct | FXDQ-PDVM |  | | ● | ● | ● | | | | | | | |
| | FXDQ-NDVM |  | | | | | ● | ● | ● | | | | |
| Low Static Concealed Ceiling Duct | FXMQ-ARV1 |  | | | | | ● | ● | ● | ● | ● | | |
| High Static Concealed Ceiling Duct | FXMQ-PBV1 |  | | | | | ● | ● | ● | ● | ● | ● | |
| Medium Static Concealed Ceiling Duct | FXSQ-A2VEB |  | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

Wall Mounted Type

FXAQ-ARVM

Stylish flat panel design harmonized with your interior decor



Ceiling Mounted Cassette Round Flow

FXFSQ-ARV1

Individual flap control allows flexibility to suit every room layout without changing the location of the interior decor



Slim Ceiling Mounted Duct

FXDQ-PDVM



FXDQ-NDVM



Slim design, quiet and static pressure switching



Concealed Ceiling Mounted Duct

FXMQ-PBV1



FXMQ-ARV1



FXSQ-A2VEB



Variety of the units with different external static pressure allow flexible & concealed installation



WALL MOUNTED

FXAQ20ARVM / FXAQ25ARVM
FXAQ32ARVM / FXAQ40ARVM
FXAQ50ARVM / FXAQ63ARVM



Stylish flat panel design harmonized with your interior decor

- Stylish flat panel design creates a graceful harmony that enhances any interior space.
- Flat panels can be cleaned with only a single pass of cloth across their smooth surface.
- Vertical auto-swing realize the efficiency of air distribution. The louver closes automatically when the unit stops.

Low operation sound level

dB(A)

| FXAQ-ARVM | 20 | 25 | 32 | 40 | 50 | 63 |
|-------------------|-------|-------|-------|-------|-------|-------|
| Sound Level (H/L) | 35/31 | 36/31 | 38/31 | 39/34 | 42/37 | 47/41 |

- Drain pan and air filter can be kept clean by mould-proof polystyrene
- Five steps of discharge angle can be set by remote controller.
- Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting: 10° for cooling.)

Flexible installation

- Drain pipe can be fitted to it from either left or right sides.
- Drain pump kit is available as an optional accessory, which lifts the drain 1,000mm from the bottom of the unit.



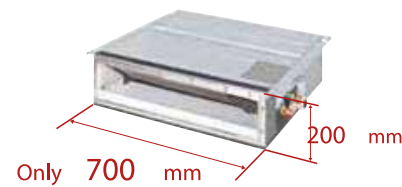
VRV INDOOR UNITS

SLIM CEILING MOUNTED DUCT

Slim design, quietness and static pressure switching

FXDQ20PDVM / FXDQ25PDVM / FXDQ32PDVM

- Only 700mm in width and 23kg in weight, this model is suitable for installation in limited spaces like drop-ceilings in hotel

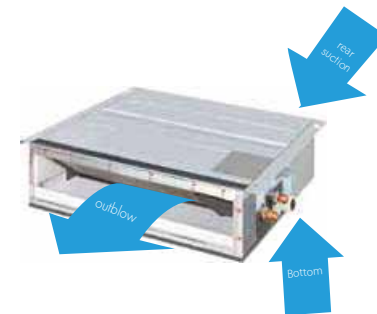


- Control of the airflow rate has been improved from 2-step to 3-step control

Low operation sound level

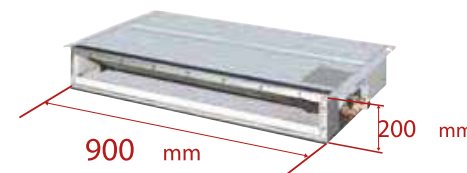
| FXDQ PDVM/NDVM | 20/25/32 | 40 | 50 | 63 |
|---------------------|----------|----------|----------|----------|
| Sound Level (H/H/L) | 33/31/29 | 34/32/30 | 35/33/31 | 36/34/32 |

- The values of operation sound level represent those for rear suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A). Values are based on the following conditions: FXDQ-PDVM: external static pressure of 10Pa; FXDQ-NDVM: external static pressure of 15Pa.

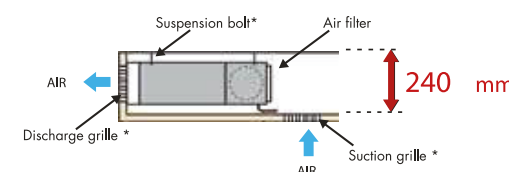


FXDQ40NDVM / FXDQ50NDVM / FXDQ63NDVM

- Only 200mm in height, this model can be installed in rooms with as little as 240mm depth between the drop ceiling and ceiling slab



* 1,100 mm in width for the FXDQ63NDVM model

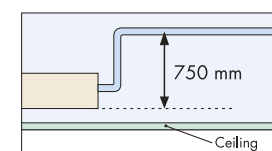


*To be obtained locally

- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.

10Pa-30Pa/factory set: 10Pa for FXDQ-PDVM models. 15Pa-44Pa/factory set: 15Pa for FXDQ-NDVM models.

FXDQ - NDVM models are available with a drain pump as a standard accessory



VRV INDOOR UNITS

LOW STATIC PRESSURE CEILING MOUNTED DUCT TYPE

FXMQ40ARV1 / FXMQ50ARV1 / FXMQ63ARV1 / FXMQ80ARV1 / FXMQ100ARV1



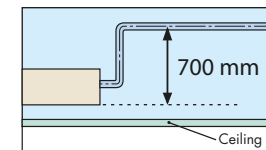
Middle static pressure allows for flexible duct design

- AC fan motor is installed to suit applications where external static pressure is required at nominal capacity

30Pa-50Pa for FXMQ40ARV1
30Pa-60Pa for FXMQ100ARV1

All models are only 300mm in height, an improvement over the 390mm height of conventional models

Drain pump is equipped as standard accessory with 700mm lift



High airflow rate

Airflow rate is optimized to meet broader spectrum of airflow requirements.

Low operation sound level*

(db(A))

| FXMQ-ARV1 | 40 | 50 | 63 | 80 | 100 |
|-------------------|-------|-------|-------|-------|-------|
| Sound Level (H/L) | 39/37 | 41/39 | 42/40 | 43/41 | 44/42 |

*Operation at 50 Hz

Improved ease of maintenance

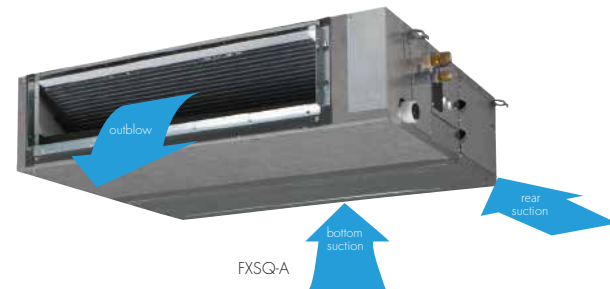
The drain pan can be detached for easy cleaning. An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.



VRV INDOOR UNITS

MEDIUM STATIC CONCEALED CEILING DUCT

FXSQ15A2VEB / FXSQ20A2VEB / FXSQ25A2VEB
 FXSQ32A2VEB / FXSQ40A2VEB / FXSQ50A2VEB
 FXSQ63A2VEB / FXSQ80A2VEB / FXSQ100A2VEB
 FXSQ125A2VEB / FXSQ140A2VEB



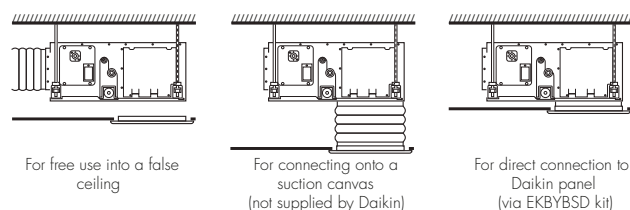
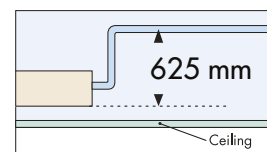
Slimmest yet most powerful medium static pressure unit on the market

- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



- Quiet operation: down to 25dBA sound pressure level
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles

Standard built-in drain pump with 625mm lift increases flexibility and installation speed

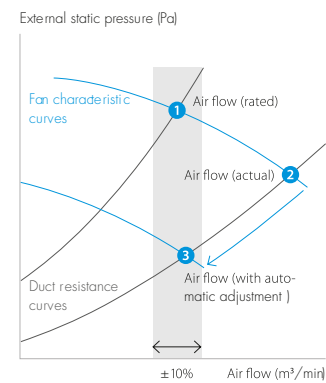


AUTOMATIC AIRFLOW ADJUSTMENT FUNCTION

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance * the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



VRV INDOOR UNITS

High Static Concealed Ceiling Duct

FXMQ40PBV1 / FXMQ50PBV1 /
 FXMQ63PBV1 / FXMQ80PBV1 /
 FXMQ100PBV1 / FXMQ125PBV1 /
 FXMQ140PBV1



Middle and high static pressure allows for flexible duct design

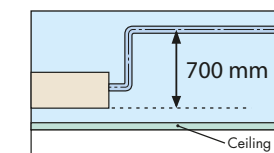
- A DC fan motor increases the external static pressure capacity range to include middle to high static pressures, increasing design flexibility

30Pa-160Pa for FXMQ40PBV1
 50Pa-200Pa for FXMQ50-125PBV1
 50Pa-140Pa for FXMQ140PBV1

All models are only 300mm in height, an improvement over the 390mm height of conventional models. The weight of the FXMQ40PBV1 has been reduced from 44kg to 28kg.



Drain pump is equipped as standard accessory with 700mm lift



Control of the airflow rate has been improved from 2-step to 3-step control.

Low operation sound level

| FXMQ-PBV1 | 40 | 50 | 63 | 80/100 | 125 | 140 |
|----------------------|----------|----------|----------|----------|----------|----------|
| Sound Level (HH/H/L) | 37/37/35 | 41/39/37 | 42/40/38 | 43/41/39 | 44/42/40 | 46/45/43 |

AUTOMATIC AIRFLOW ADJUSTMENT FUNCTION

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Improved ease of installation

Airflow rate can be controlled using a remote controller during test operations. With the conventional model, the airflow rate was controlled from the PC board. It is automatically adjusted to the range between approximately ±10% of the rated HH tap airflow for FXMQ40-125PBV1.

Improved ease of maintenance

The drain pan can be detached for easy cleaning. An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odors.

Energy-efficient

> The adopted DC fan motor is much more efficient than the conventional AC motor, yielding an approximate 20% decrease in energy consumption (FXMQ125PBV1).

INDIVIDUAL CONTROLLER

INDIVIDUAL CONTROL SYSTEMS

BRC1H52W / BRC1H52S / BRC1H52K

Madoka wired remote controller for Sky Air and VRV



BRC1H52W



BRC1H52S



BRC1H52K

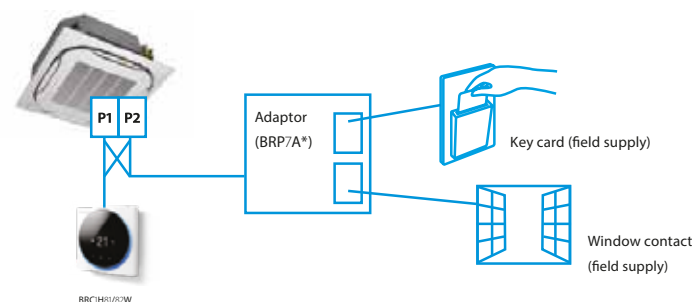
A complete redesigned controller focussed to enhance user experience

- Sleek and elegant design
- Intuitive touch-button control
- Two display options: standard and detailed
- Direct access to basic functions (on/off, set point, mode, target values, fan speed, louvers, filter icon & reset (4), error & code)
- Three colors to match any interior
- Compact, measures only 85 x 85 mm
- Realtime clock with auto-update to daylight saving time
- Equipped with a buzzer

Hotel application features

- Energy saving through key card, window contact integration and set point limitation (BRP7A*)
- Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort

Key card and window contact integration



MADOKA ASSISTANT: ADVANCED SETTINGS CAN BE EASILY DONE VIA YOUR SMARTPHONE

A range of energy-saving functions that can be selected individually

- Temperature range restriction
- Setback function
- Presence and floor sensor setting (available on the Round Flow and Fully Flat Cassettes)
- Set temperature auto reset
- Off timer

Other functions

- Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/ mid-season)
- Possibility to individually restrict menu functions

Temperature range restriction means no excessive heating/cooling

Save on energy by constraining the lower temperature limit in cooling and upper temperature limit in heating mode

INDIVIDUAL CONTROLLER

INDIVIDUAL CONTROL SYSTEMS FOR VRV INDOOR UNITS

Navigation remote controller (Wired remote controller) (Optional)



BRC1E63

Clear display

- Dot matrix display
A combination of fine dots enables various icons. A large text display is easy to see.
- Backlight display
Backlight display helps to operate in dark rooms.

Simple operation

- Large buttons and arrow keys
- Guide on display



Wireless remote control (optional)

A compact signal receiver unit (separate type) to be mounted into wall or ceiling



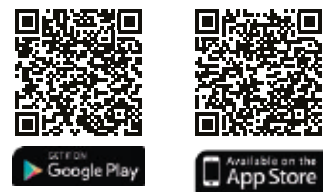
MADOKA ASSISTANT

MOBILE CONNECTIVITY



SIMPLIFIES THE ADVANCED SETTINGS SUCH AS SCHEDULE OR SET POINT LIMITATION

- Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- Easy and quick commissioning
- Featuring Bluetooth® low energy technology

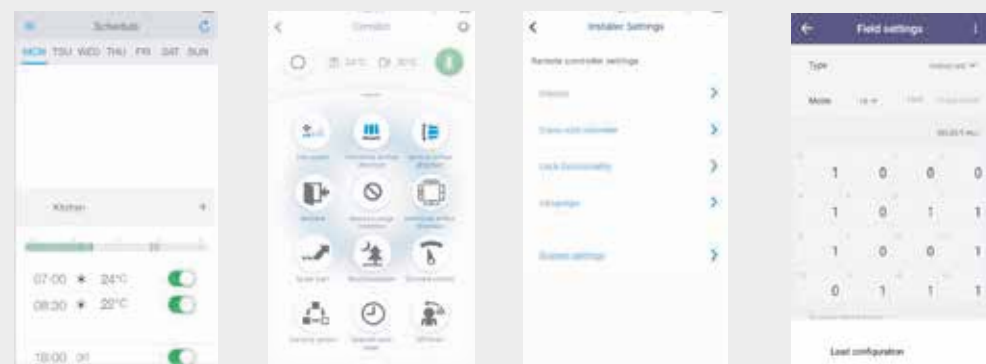


Easy setting of schedules

Advanced user settings

Installer settings

Field settings



REIRI HOME



Smart HOME | LIVING

Enhance comfort and convenience for the user, offering complete control of air conditioning systems & other smart devices remotely through mobile app access.

Possibility to connect in one control system:

- up to 64 Indoor Units
- up to 10 Outdoor Units
- up to 80 Z-wave devices

ALSO COMPATIBLE :



ReiriHome
DCPH01



ReirHome Lite
DCPH02



FLEXIBLE INTEGRATION

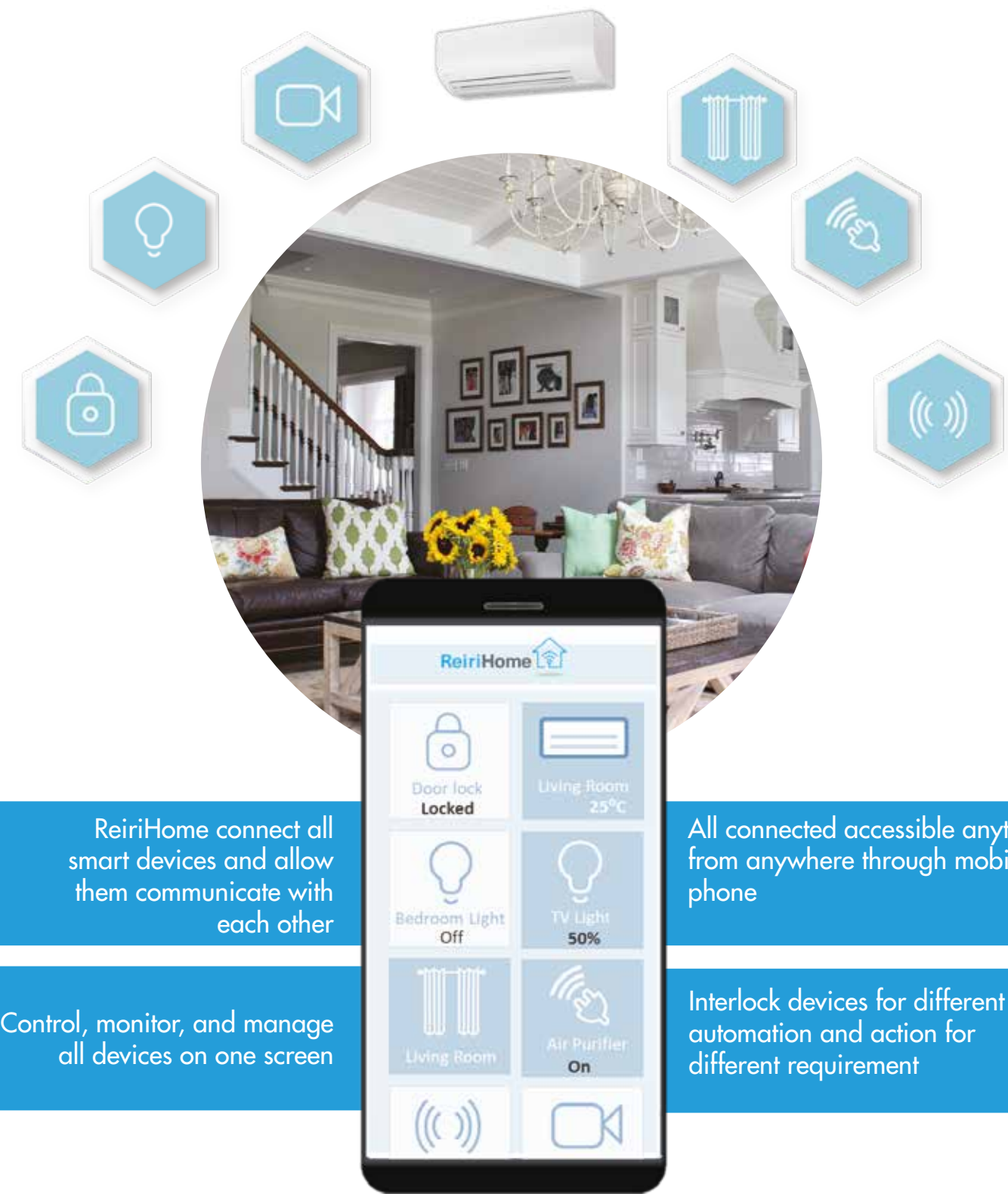
with wireless residential smart devices

CONTROL & MANAGE

All device in one platform



REIRI HOME



ReiriHome connect all smart devices and allow them communicate with each other

All connected accessible anytime from anywhere through mobile phone

Control, monitor, and manage all devices on one screen

Interlock devices for different automation and action for different requirement

Features true to product performance

Actual control interface may vary due to interface design enhancement

REIRI HOME



ACCESS WITHIN THE PREMISES

Daikin Reiri Home Control Series provides the ability of centralized control for Daikin VRV air conditioners throughout the home with a smartphone. Homeowners can control all of the core control functions in Daikin air conditioning system effortlessly from one room to another.

ACCESS ANYWHERE OUTSIDE

With Daikin Reiri Home Control Series, the home temperature can be controlled from anywhere, and homeowners can always return from work or vacation to a comfortable cooling home. This also takes the pressure off homeowners on forgetting to switch off the air conditioners when away.



ADVANCED CONTROL

Daikin Reiri Home Control Series communicates with all of Daikin VRV air conditioners, allowing homeowners to access the core control functions on a smartphone, including temperature set points, operation mode, fan speed, airflow direction and error notification.



MONITORING

Homeowners can enjoy peace of mind and the convenience of monitoring air conditioners with Daikin Reiri Home Control Series from a smartphone.



REIRI HOME



The complete smart home solution for every homeowner, with integration capabilities to allow ease and convenience of control for almost every smart device.

FEATURES

- Convenience & Lifestyle
- Energy Management
- IAQ Management
- Home Security Solution
- Google Home enabled
- Mobile Control of Airconditioning Units
- User-friendly App Interface
- Complete control of all connected devices
- Easy installation (Plug & Play) and configuration
- Push Notification
- Compliant with Cyber-security certification (EN303645)



ITOUCH MANAGER

ADVANCED CONTROL SYSTEMS FOR VRV INDOOR UNITS



One-touch selection enables flexible control of equipment in a building.



Various types of equipment in a building can be controlled by a single controller.

INDIVIDUAL AIR-CONDITIONING CONTROL

The flexible control achieved by the VRV system precisely meets different air conditioning needs in each room (e.g. offices, conference rooms, hotel rooms).



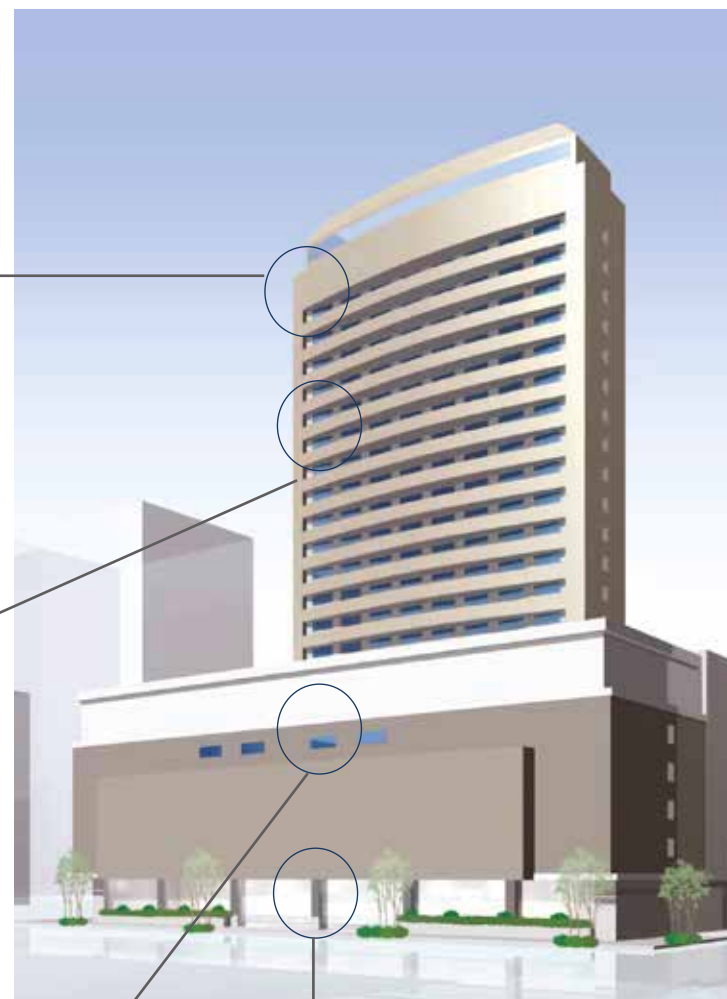
LIGHTING CONTROL

DALI-compatible LED lighting systems can be controlled and monitored. Lighting control is enhanced through an interlock function with air conditioners and other functions.



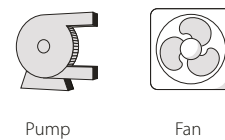
AIR-CONDITIONING CONTROL FOR LARGE SPACES

Air handling units can also be controlled. Large spaces, such as entrance halls and shopping malls, can be easily controlled to ensure comfort.



BUILDING EQUIPMENT CONTROL

Various types of equipment other than air conditioners, including ventilation, fans, and pumps, can also be controlled.



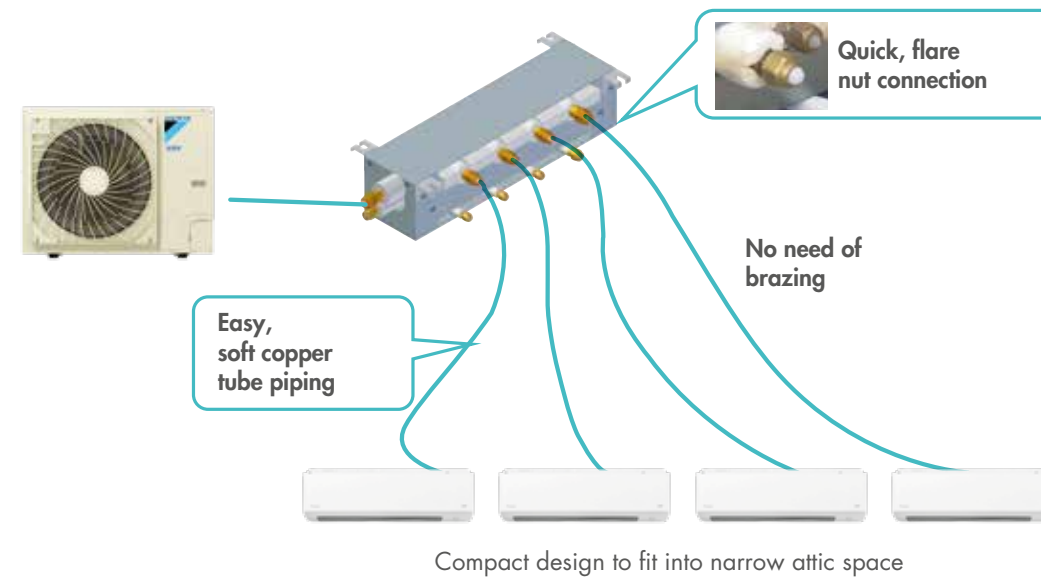
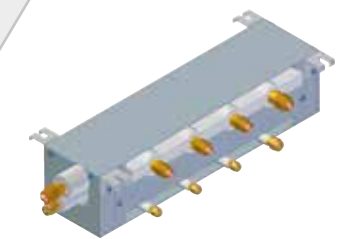
HEADER PACK

The Innovative Refrigerant Piping of next generation

Daikin innovated the Next Generation of Quality and Efficiency for VRV Installation. It offers differentiated solutions in installation. It ensures quality installation with a reduction of site work.

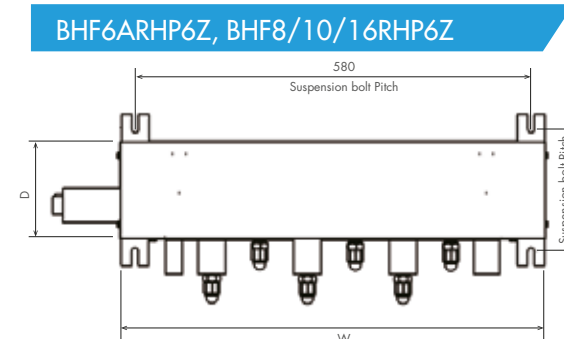
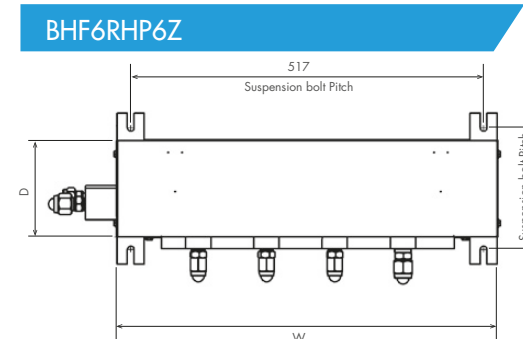
Advantage

- Installation time saving: Up to 1/3 of the conventional method
- Easy to Install: Hanging points available
- Safety: Consists of flaring method, no brazing required
- Quality Installation: Elimination of complex processes, enhancing quality Installation



| HP (VRV System) | HEADER PACK Model | Outdoor Unit Side Connection | | | Indoor Unit Side Connection | | | | | | | | Indoor Unit Total Capacity Index | Dimensions (mm) | | |
|-----------------|-------------------|------------------------------|------------------------|-----------------|-----------------------------|-------|-------|-----------------------------|----------|-----------------------------|----------|-----------------|----------------------------------|-----------------|-----|-----|
| | | Liquid Pipe Diameter (mm) | Gas Pipe Diameter (mm) | Connection Type | Number of Ports | | | Large (Connection Diameter) | | Small (Connection Diameter) | | Connection Type | | H | W | D |
| | | | | | Total | Large | Small | Liquid (mm) | Gas (mm) | Liquid (mm) | Gas (mm) | | | | | |
| 6 | BHF6RHP6Z | 9.5 | 15.9 | Flare | 4 | 1 | 3 | 9.5 | 15.9 | 6.4 | 12.7 | Flare | <150 | 135 | 559 | 143 |
| 6 | BHF6ARHP6Z | 9.5 | 15.9 | Flare | 6 | 2 | 4 | 9.5 | 15.9 | 6.4 | 12.7 | Flare | <150 | 135 | 623 | 143 |
| 6,8 | BHF8RHP6Z | 9.5 | 19.1 | DGT | 6 | 3 | 3 | 9.5 | 15.9 | 6.4 | 12.7 | Flare | <200 | 135 | 623 | 143 |
| 10 | BHF10RHP6Z | 9.5 | 22.2 | DGT | 6 | 3 | 3 | 9.5 | 15.9 | 6.4 | 12.7 | Flare | <290 | 135 | 623 | 143 |
| 12,14,16 | BHF16RHP6Z | 12.7 | 28.6 | DGT | 6 | 3 | 3 | 9.5 | 15.9 | 6.4 | 12.7 | Flare | <420 | 135 | 623 | 143 |

Top view



DAIKIN TIGHTFIT JOINTS

TRUSTY

No copper Oxide

- No brazing soot and scale pipe inner surface
- Clean shiny copper pipes after installation
- Prevent early compressor failure, no soot in pipes



SAFETY

No hot works – just squeeze!

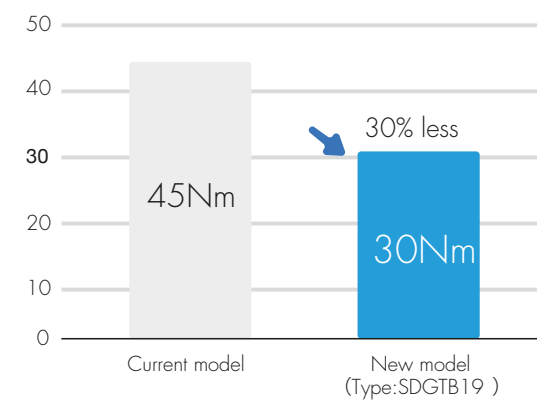
- No brazing requires, abolish fire hazard
- To avoid the risk to handle high pressure, flammable gases



EASY

- Low torque allows easy work on a scaffolding
- No need for heavy, expensive special tools
- No need for special technicians for brazing

Low torque



SAVING

- No specific permit, no specialized personnel
- Time saving with a short schedule installation project
- Simple installation process
- Cost & time saving with less administration work (Hot work permit and safety fire watcher)



DAIKIN TIGHTFIT JOINTS

FULL LINE-UP

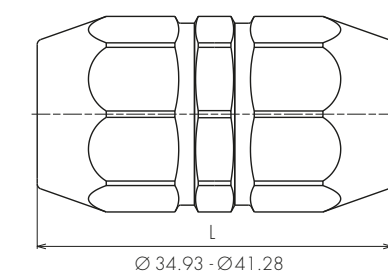
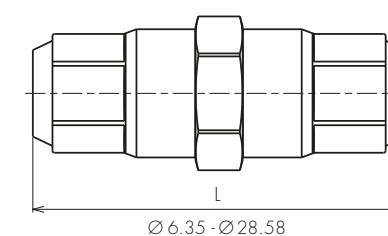
- One-stop-shopping . To conduct No Hot Work piping installation, all necessary parts are supplied including site inspection accessories

| Standard Joint | | Asymmetrical | |
|----------------|------------|--------------|------------|
| | | | |
| Size | Model name | Size | Model name |
| Ø6.35 | SDGTB06 | Ø9.5-6.4 | SDGTB0906 |
| Ø9.52 | SDGTB09 | Ø12.7-9.52 | SDGTB1209 |
| Ø12.7 | SDGTB12 | Ø15.88-12.7 | SDGTB1512 |
| Ø15.88 | SDGTB15 | Ø19.05-15.88 | SDGTB1915 |
| Ø19.05 | SDGTB19 | Ø22.22-19.05 | SDGTB2219 |
| Ø22.22 | SDGTB22 | Ø25.4-22.22 | SDGTB2522 |
| Ø28.58 | SDGTB28 | Ø28.58-25.4 | SDGTB2825 |
| Ø34.92 | BDGTA34 | Ø34.92-28.58 | SDGTB3428 |
| Ø41.28 | BDGTA41 | | |

DIMENSIONS & WEIGHT

Standard Joint

| Size | L (mm) | Weight (g) |
|--------|--------|------------|
| Ø6.35 | 50.4 | 44 |
| Ø9.52 | 55.0 | 80 |
| Ø12.7 | 59.0 | 120 |
| Ø15.88 | 74.0 | 207 |
| Ø19.05 | 76.8 | 273 |
| Ø22.22 | 83.4 | 391 |
| Ø28.58 | 88.0 | 515 |
| Ø34.92 | 101.5 | 686 |
| Ø41.28 | 103.5 | 881 |



OUTDOOR UNITS SPECIFICATIONS

VRV IV S-series

| | 4HP and 5 HP | 6HP and 8HP | 10HP and 12HP |
|--|--|---|--|
| |  |  |  |

| Model | RXQ4ARV1 | RXQ5ARV1 | RXMQ6ARV1 | RXMQ8ARV1 | RXMQ10ARV1 | RXMQ12ARV1 | |
|-------------------------------|--------------------------|----------------|--------------|--------------------------|------------------|----------------|----------------|
| Power Supply | 1 PHASE, 50Hz, 220-240 V | | | 3 Phase, 50 Hz, 380-415V | | | |
| Cooling Capacity (1) | KW 11.20 | 14.00 | 16.00 | 22.40 | 28.00 | 33.50 | |
| Cooling Capacity | Btu/h 38,200 | 47,800 | 54,600 | 76,400 | 95,500 | 114,300 | |
| INPUT Power | KW 2.88 | 3.93 | 4.1 | 6.61 | 8.50 | 10.8 | |
| EER | - 3.89 | 3.56 | 3.90 | 3.39 | 3.29 | 3.10 | |
| Dimensions(H*W*D) | 990 x 940 x 320 | | 870x1100x460 | | 1627 x 940 x 450 | | |
| Allowed Indoor Capacity Index | 50-130 | | | | | | |
| Connection | Nom | 100 | 125 | 150 | 200 | 300 | |
| | Min | 50 | 62.5 | 75 | 100 | 390 | |
| | Max | 130 | 162.5 | 195 | 260 | 150 | |
| Operation Range | Min | 0°C | 0°C | 0°C | 0°C | 0°C | |
| | Max | 49°C | 49°C | 52°C | 52°C | 50°C | |
| Refrigerant | Type | R410A | | | | | |
| | Amount | Kg 2.9 | 3.4 | 4.2 | 5.4 | 7 | 8 |
| Pipe Connection | Diameter | mm ϕ 9.5 | | | mm ϕ 12.7 | | |
| | Type | FLARE | | | BRAZING | | |
| Pipe Connection | Diameter | mm ϕ 15.9 | | mm ϕ 19.1 | | mm ϕ 22.2 | mm ϕ 25.4 |
| | Type | FLARE | | BRAZING | | | |
| Weight | Machine | kg 72 | 79 | 97 | 115 | 165 | 170 |
| | Packed | kg 80 | 87 | 110 | 128 | 185 | 190 |
| Sound Level (2) | dBA | 52 | 53 | 52 | 59 | 59 | 60 |

Notes:
 (1) Indoor temp.: 27°CDB, 19°CWB / Outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
 (2) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
 During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.

INDOOR UNITS SPECIFICATIONS



| MODEL | | FXAQ20ARVM | FXAQ25ARVM | FXAQ32ARVM | FXAQ40ARVM | FXAQ50ARVM | FXAQ63ARVM |
|--------------------|---------------------|--------------------------------|--|-------------|-------------|-------------|-------------|
| Power supply | | 1-phase, 220V / 240V, 50/60 Hz | | | | | |
| Cooling capacity | Btu/h | 7,500 | 9,600 | 12,300 | 15,400 | 19,100 | 24,200 |
| | kW | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 |
| Heating capacity | Btu/h | 8,500 | 10,900 | 13,600 | 17,100 | 21,500 | 27,300 |
| | kW | 2.5 | 3.2 | 4.0 | 4.3 | 6.3 | 8.0 |
| Casing | | White (N9.5) | | | | | |
| Airflow rate (H/L) | m ³ /min | 7.5/4.5 | 9/5 | 11/5.5 | 13/9 | 15/12 | 19/14 |
| | cfm | 265/159 | 318/177 | 388/194 | 459/318 | 530/424 | 671/494 |
| Sound level (H/L) | dB(A) | 35/31 | 36/31 | 38/31 | 39/34 | 42/37 | 47/41 |
| | Dimensions (H×W×D) | mm 298X929X258 | 298X929X258 | 298X929X258 | 298X929X258 | 298X929X258 | 298X929X258 |
| Machine weight | kg | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Piping connections | Liquid (Flare) | mm 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 9.5 |
| | Gas (Flare) | mm 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 15.9 |
| | Drain | mm | VP13 (External Dia. 18/Internal Dia. 13) | | | | |

Ceiling Mounted Cassette Round Flow



| MODEL | | FXFSQ25ARV1 | FXFSQ32ARV1 | FXFSQ40ARV1 | FXFSQ50ARV1 | FXFSQ63ARV1 | FXFSQ80ARV1 | FXFSQ100ARV1 | FXFSQ125ARV1 | FXFSQ140ARV1 | |
|---------------------------|---------------------|----------------------------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|---------------|--|
| Power supply | | 1-phase, 220-240V, 60 / 50/60 Hz | | | | | | | | | |
| Cooling capacity | Btu/h | 9,600 | 12,300 | 15,400 | 19,100 | 24,200 | 30,700 | 38,200 | 47,800 | 54,600Z | |
| | kW | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 | 14.0 | 16.0 | |
| Heating capacity | Btu/h | 10,900 | 13,600 | 17,100 | 21,500 | 27,300 | 34,100 | 42,700 | 54,600 | 54,600 | |
| | kW | 3.2 | 4.0 | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16 | 16 | |
| Casing | | Galvanised steel plate | | | | | | | | | |
| Airflow rate (H/M/L) | m ³ /min | 13/11.5/10 | | 17/12.5/11 | 23/19/11 | 23.5/20/13.5 | 24.5/20.5/15 | 33.5/27/21 | 34.5/28.5/23 | 35.5/29.5/23 | |
| | cfm | 459/406/353 | | 600/441/388 | 812/671/388 | 830/706/477 | 865/724/530 | 1183/953/741 | 1218/1006/812 | 1253/1041/812 | |
| Sound level (H/M/L) | dB(A) | 30/28.5/27 | | 35/29/27 | 38/34.5/27 | 388/34.5/27 | 39/36/31 | 44/38/33 | 45/39.5/35 | 46/40.5/35 | |
| | Dimensions | mm 256x840x840 | | | | | | | | | |
| Machine weight | kg | 19 | | 22 | | 25 | | 26 | | | |
| Piping connections | Liquid (Flare) | mm 6.4 | | | | | | | | | |
| | Gas (Flare) | mm 12.7 | | | | | | | | | |
| | Drain | mm 15.9 | | | | | | | | | |
| Standard Panel (Optional) | Model | BYCQ125EAF9(Fresh White) | | | | | | | | | |
| | Dimensions (HxWxD) | mm 50x950x950 | | | | | | | | | |
| | Weight | kg 5.5 | | | | | | | | | |

* Optional PM2.5 Filter is available upon request

- Note:
- Specifications are based on the following conditions:
 - Cooling: Indoor temp 27°CDB, 19°CWB / Outdoor temp: 35°CDB, Equivalent piping length: 7.5m / Level difference: 0m
 - The Capacity of indoor unit is only for reference. The actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
 - Sound level: Anechoic chamber conversion value measured at a point 1.5m downward from the unit center. During actual operation, these values usually are somewhat higher as a result of ambient conditions.

INDOOR UNITS SPECIFICATIONS

Slim Ceiling Mounted Duct



| MODEL | | FXDQ20PDVM | FXDQ25PDVM | FXDQ32PDVM | FXDQ40NDVM | FXDQ50NDVM | FXDQ63NDVM |
|--------------------------|---------------------|-----------------------------|-------------|-------------|--------------|----------------|----------------|
| Power supply | | 1-phase, 220-240V, 50/60 Hz | | | | | |
| Cooling capacity | Btu/h | 7,500 | 9,600 | 12,300 | 15,400 | 19,100 | 24,200 |
| | kW | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 |
| Heating capacity | Btu/h | 8,500 | 10,900 | 13,600 | 17,100 | 21,500 | 27,300 |
| | kW | 2.5 | 3.2 | 4.0 | 5.0 | 6.3 | 8.0 |
| Casing | | Galvanised steel plate | | | | | |
| Airflow rate (HH/H/L) | m ³ /min | 8.0/7.2/6.4 | 8.0/7.2/6.4 | 8.0/7.2/6.4 | 10.5/9.5/8.5 | 12.5/11.0/10.0 | 16.5/14.5/13.0 |
| | cfm | 282/254/226 | 282/254/226 | 282/254/226 | 371/335/300 | 441/388/353 | 582/512/459 |
| External static pressure | Pa | 30-10 *2 | 30-10 *2 | 30-10 *2 | 44-15 *2 | 44-15 *2 | 44-15 *2 |
| Sound level (HH/H/L)*1*3 | dB(A) | 33/31/29 | 33/31/29 | 33/31/29 | 34/32/30 | 35/33/31 | 36/34/32 |
| Dimensions (HxWxD) | mm | 200x700x620 | 200x700x620 | 200x700x620 | 200x900x620 | 200x900x620 | 200x1,100x620 |
| Machine weight | kg | 23.0 | 23.0 | 23.0 | 27.0 | 28.0 | 31.0 |
| Piping connections | Liquid (Flare) | mm | Ø 6.4 | Ø 6.4 | Ø 6.4 | Ø 6.4 | Ø 9.5 |
| | Gas (Flare) | mm | Ø 12.7 | Ø 12.7 | Ø 12.7 | Ø 12.7 | Ø 15.9 |
| | Drain | mm | | | | | |

VP20 (External Dia. 26/Internal Dia. 20)



Low Static Ceiling Mounted Duct

| MODEL | | FXMQ40ARV1 | FXMQ50ARV1 | FXMQ63ARV1 | FXMQ80ARV1 | FXMQ100ARV1 |
|----------------------------|---------------------|--------------------------------|-------------|--------------|--------------|--------------|
| Power supply | | 1-phase, 220V / 240V, 50/60 Hz | | | | |
| Cooling capacity | Btu/h | 15,400 | 19,100 | 24,200 | 30,700 | 38,200 |
| | kW | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 |
| Heating capacity | Btu/h | 15,400 | 19,100 | 24,200 | 30,700 | 38,200 |
| | kW | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 |
| Casing | | Galvanised steel plate | | | | |
| Airflow rate (H/L) | m ³ /min | 15/12 | 19/16 | 24/20 | 30/25 | 34/29 |
| | cfm | 530/424 | 671/565 | 847/706 | 1059/883 | 1200/1024 |
| External static pressure | Pa | 30-50 *3 | 30-50 *3 | 30-50 *3 | 30-50 *3 | 30-60 *3 |
| Sound level (H/L) at 50 Hz | dB(A) | 39/37 | 41/39 | 42/40 | 43/41 | 44/42 |
| Sound level (H/L) at 60 Hz | dB(A) | 43/37 | 49/42 | 40/34 | 46/43 | 51/40 |
| Dimensions (HxWxD) | mm | 300x700x700 | 300x700x700 | 300x1000x700 | 300x1000x700 | 300x1000x700 |
| Machine weight | kg | 27 | 28 | 35 | 35 | 36 |
| Piping connections | Liquid (Flare) | mm | 6.4 | 6.4 | 9.5 | 9.5 |
| | Gas (Flare) | mm | 12.7 | 12.7 | 15.9 | 15.9 |
| | Drain | mm | | | | |

VP25 (External Dia. 32/Internal Dia. 25)

Notes:

Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWVB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, level difference: 0 m.
- The capacity of indoor unit is only for reference. The actual capacity of indoor unit is based on the total capacity index.
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

During actual operation, these values usually are somewhat higher as a result of ambient conditions.

* 1: Values are based on the following conditions: FXDQ-PDVM: external static pressure of 10 Pa; FXDQ-NDVM: external static pressure of 15 Pa.

* 2: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard".

(Factory setting is 10 Pa for FXDQ-PDVM models and 15 Pa for FXDQ-NDVM models.)

* 3: For FXMQ-ARV1 series, 30 Pa is rated static pressure and 50 (60) Pa is maximum static pressure

* 4: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

INDOOR UNITS SPECIFICATIONS

High Static Ceiling Mounted Duct



| MODEL | | FXMQ40PBV1 | FXMQ50PBV1 | FXMQ63PBV1 | FXMQ80PBV1 | FXMQ100PBV1 | FXMQ125PBV1 | FXMQ140PBV1 |
|--------------------------|---------------------|----------------------------|---------------|---------------|---------------|------------------------|---------------|----------------|
| Power supply | | 1 phase, 240-220V, 50/60Hz | | | | | | |
| Cooling capacity | Btu/h | 15,400 | 19,100 | 24,200 | 30,700 | 38,200 | 47,800 | 54,600 |
| | kW | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 | 14.0 | 16.0 |
| Heating capacity | Btu/h | 17,100 | 21,500 | 27,300 | 34,100 | 42,700 | 54,600 | 61,400 |
| | kW | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 18.0 |
| Casing | | Galvanised steel plate | | | | Galvanised steel plate | | |
| Airflow rate (HH/H/L) | m ³ /min | 16/13/11 | 18/16.5/15 | 19.5/17.5/16 | 25/22.5/20 | 32/27/23 | 39/33/28 | 46/39/32 |
| | cfm | 565/459/388 | 635/582/530 | 688/618/565 | 883/794/706 | 1130/953/812 | 1377/1165/988 | 1624/1377/1130 |
| External static pressure | Pa | 100(160-30)*2 | 100(200-50)*2 | 100(200-50)*2 | 100(200-50)*2 | 100(200-50)*2 | 100(200-50)*2 | 100(140-50)*2 |
| Sound level (HH/H/L)*1*3 | dB(A) | 39/37/35 | 41/39/37 | 42/40/38 | 43/41/39 | 43/41/39 | 44/42/40 | 46/45/43 |
| Dimensions (HxWxD) | mm | 300x700x700 | 300x1000x700 | 300x1000x700 | 300x1000x700 | 300x1400x700 | 300x1400x700 | 300x1400x700 |
| Machine weight | kg | 27 | 35 | 35 | 35 | 45 | 45 | 46 |
| Piping connections | Liquid (Flare) | mm | Ø 6.4 | Ø 6.4 | Ø 9.5 | Ø 9.5 | Ø 9.5 | Ø 9.5 |
| | Gas (Flare) | mm | Ø 12.7 | Ø 12.7 | Ø 15.9 | Ø 15.9 | Ø 15.9 | Ø 15.9 |
| | Drain | mm | | | | | | |

*Optional PM2.5 filter is available upon request

VP25 (External dia. 32 Internal dia. 25)



Medium Static Ceiling Mounted Duct

| Model | FXSQ-A2VEB | 15 | 20 | 25 | 32 | 40 | 50 | 63 | 80 | 100 | 125 | 140 | | | | |
|----------------------------------|---------------------|--------------------------------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|---------------|---------------|--------------|----------|------------|----|
| Power Supply | | 1 phase, 220-240V, 50Hz / 220V, 60Hz | | | | | | | | | | | | | | |
| Cooling Capacity | Btu/h | 5,800 | 7,500 | 9,500 | 12,300 | 15,400 | 19,100 | 24,200 | 30,700 | 38,200 | 47,800 | 54,600 | | | | |
| | kW | 1.7 | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 | 14.0 | 16.0 | | | | |
| Heating Capacity | Btu/h | 6,500 | 8,500 | 10,900 | 13,600 | 17,000 | 21,500 | 27,300 | 34,000 | 42,600 | 54,600 | 61,400 | | | | |
| | kW | 1.9 | 2.5 | 3.2 | 4.0 | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 18.0 | | | | |
| Casing | | Galvanised Steel Plate | | | | | | | | | | | | | | |
| Airflow Rate - Cooling (H/M/L) | m ³ /min | 8.7/7.5/6.5 | 9.0/7.5/6.5 | 9.0/7.5/6.5 | 9.5/8.0/7.0 | 15/12.5/11 | 15.2/12.5/11 | 21/18/15 | 23/19.5/16 | 32/27/23 | 36/31.5/26 | 39/34/28 | | | | |
| | CFM | 307/265/229 | 318/265/229 | 318/265/229 | 335/282/247 | 530/441/388 | 537/441/388 | 741/635/530 | 812/688/565 | 1130/953/812 | 1271/1112/918 | 1365/1200/988 | | | | |
| External Static Pressure (H/Nom) | Pa | 150/30 | | | | | | | | | | | | | | |
| Sound Level (H/M/L) | dB(A) | 29.5/28/25 | 30/28/25 | | 31/29/26 | | 35/32/29 | | 33/30/27 | | 35/32/29 | | 36/34/31 | 39/36/33 | 41.5/38/34 | |
| Dimensions (HxWxD) | mm | 245x550x800 | | | | | 245x700x800 | | 245x1000x800 | | 245x1400x800 | | 245x1550x800 | | | |
| Machine Weight | kg | 23.5 | | 24 | | 28.5 | | 29 | | 35.5 | | 36.5 | | 46 | 47 | 51 |
| Piping Connections | Liquid (Flare) | mm OD 6.35 | | | | | | | | | | | | | | |
| | Gas (Flare) | mm OD 12.7 | | | | | | | | | | | | | | |
| | Drain | mm OD 15.9 | | | | | | | | | | | | | | |

VP20 (External Dia. 26/ Internal Dia. 20)

Notes:

Specifications are based on the following conditions:

Cooling: Indoor temp.: 27°CDB, 19°CWVB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, level difference: 0 m.

The capacity of indoor unit is only for reference. The actual capacity of indoor unit is based on the total capacity index.

Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

During actual operation, these values usually are somewhat higher as a result of ambient conditions.

* 1: Power consumption values are based on conditions of rated external static pressure.

* 2: External static pressure can be modified using a remote controller that offers thirteen (FXMQ40PBV1), fourteen

(FXMQ50-125PBV1) or ten (FXMQ140PBV1) levels of control. These values indicate the lowest and highest possible static pressures.

The standard static pressure is 100 Pa