DAIKIN

WORLD'S LEADING AIR CONDITIONING COMPANY FROM JAPAN

PRESENTING

# VRV HOME

## LIFESTYLE AIR CONDITIONING SOLUTIONS

# INDEX

# 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. We, at Daikin Industries Ltd., are a diverse multinational company, active in air-conditioning, chemicals and oil hydraulics, was established in 1924. With headquarters at 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 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.

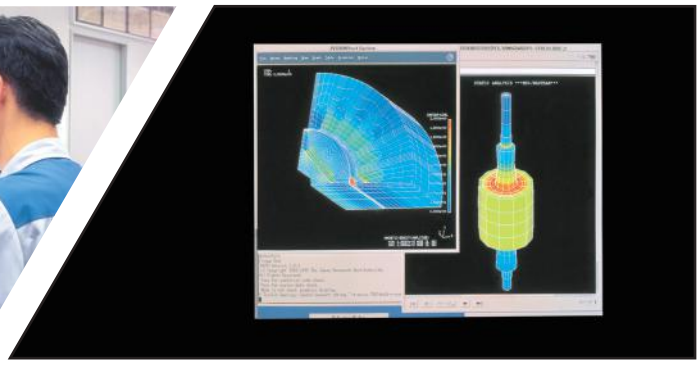
Formation of a three-division system of research, IT and development to support our superior products. To create more advanced functions and new value, we have instituted specialised R&D divisions: the 'Environmental Technology Research Laboratory' and the 'Solution Product Development Centre'.

**DEVELOPMENT**
Product Development Group

**RESEARCH**
Environment Technology
Research Laboratory

**IT**
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.

# VRV HOME

## INTRODUCTION

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

## NEW LIFE STYLE

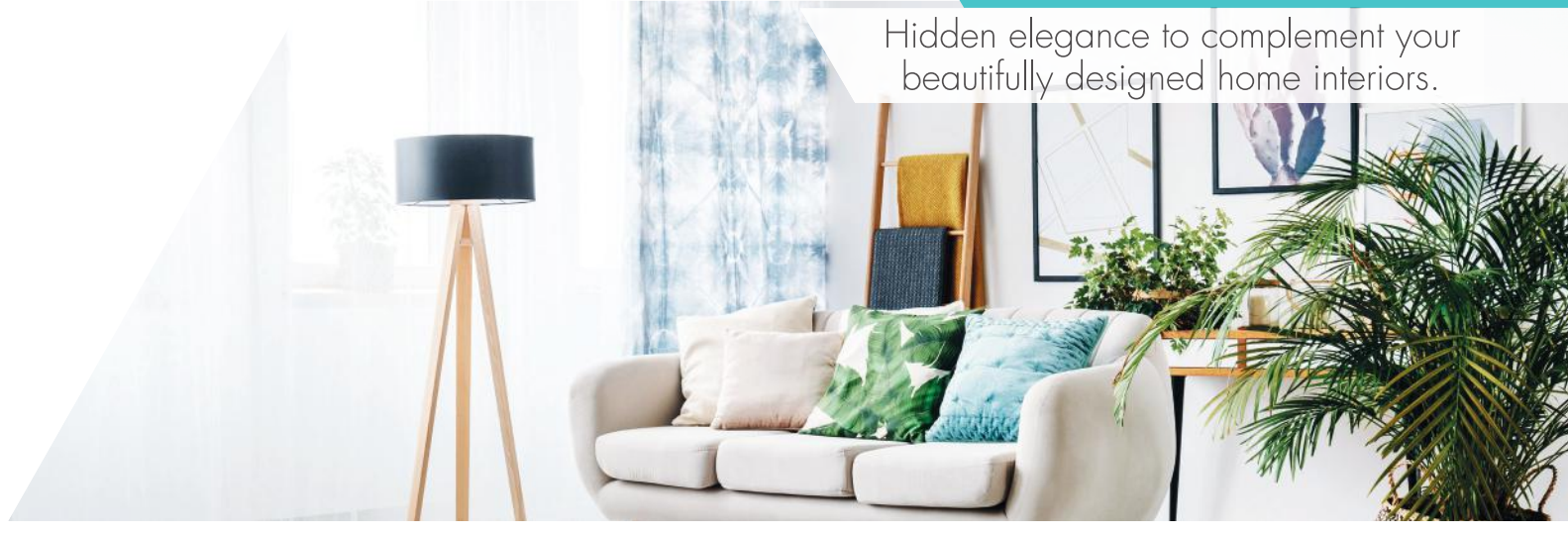
**Redefining Home Air Conditioning**
A complete solution that provides Cooling, Comfort, Control and Convenience in one single system.

## COZY

Sophisticated comfort technology giving you the optimum temperature and air flow distribution control.

## CONCEALED

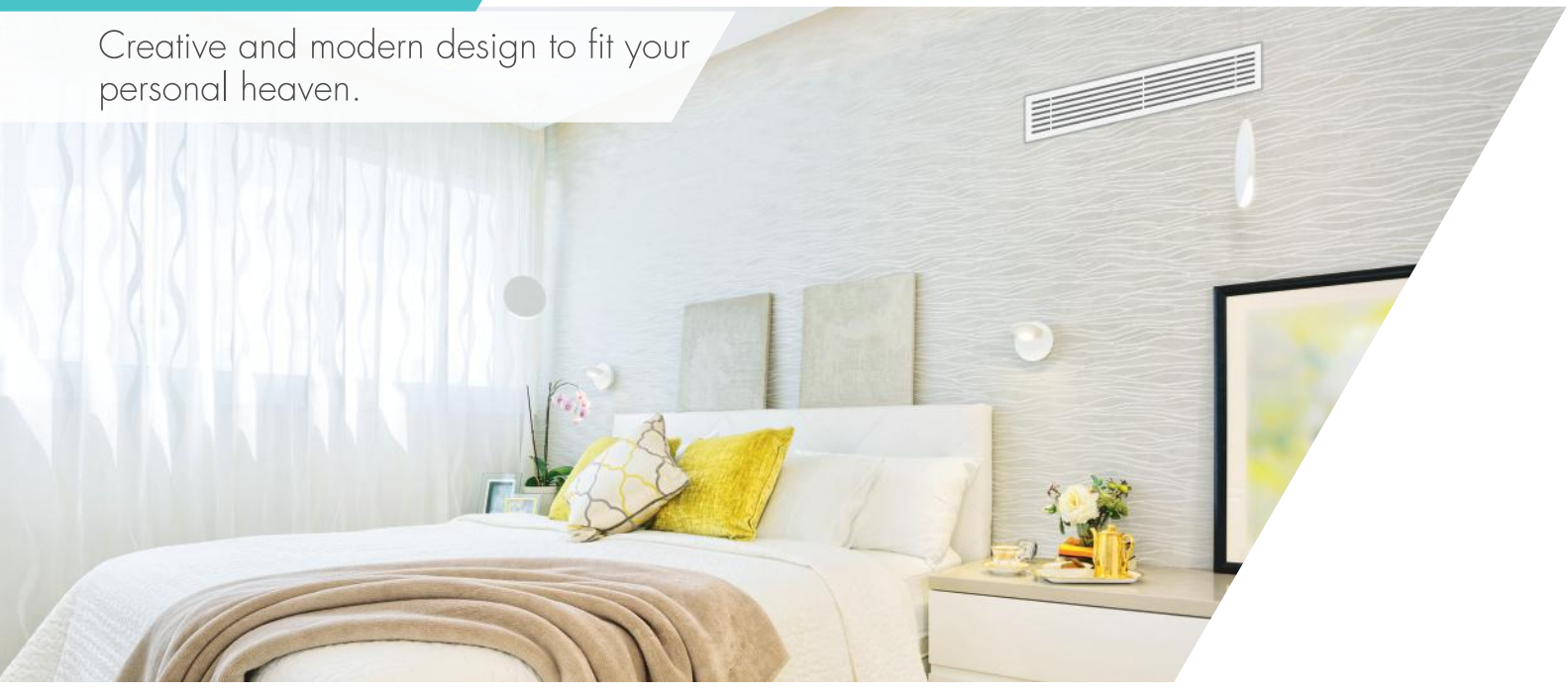
Hidden elegance to complement your beautifully designed home interiors.



# VRV HOME

## CONTEMPORARY

Creative and modern design to fit your personal heaven.



## CARING

Creates a pleasant environment for you and your loved ones.

# VRV HOME

## 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 house 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.

VRV Home replaces all the outdoor units of the house with just one outdoor unit. A total of 8 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 hi-wall that can be connected with a single outdoor unit. Furthermore, actual piping length of up to 40 meters coverage of widespread spaces is ensured.

For More Information 'Scan Me'

## CENTRALIZED HOME AIR CONDITIONING FOR AN UPGRADED LIFESTYLE

### OUTDOOR UNIT CAN BE INSTALLED ON A BALCONY

The trunk-shaped outdoor unit can easily be installed on a balcony, realizing complete system installation within each floor. The compact outdoor unit can be hanged on the wall eliminating need for floor space, which enables more useful utilisation of the space on the building rooftop.

# MAIN FEATURES

ENERGY EFFICIENCY

DESIGN FLEXIBILITY

USER COMFORT

CONTEMPORARY

## Outdoor Line Up

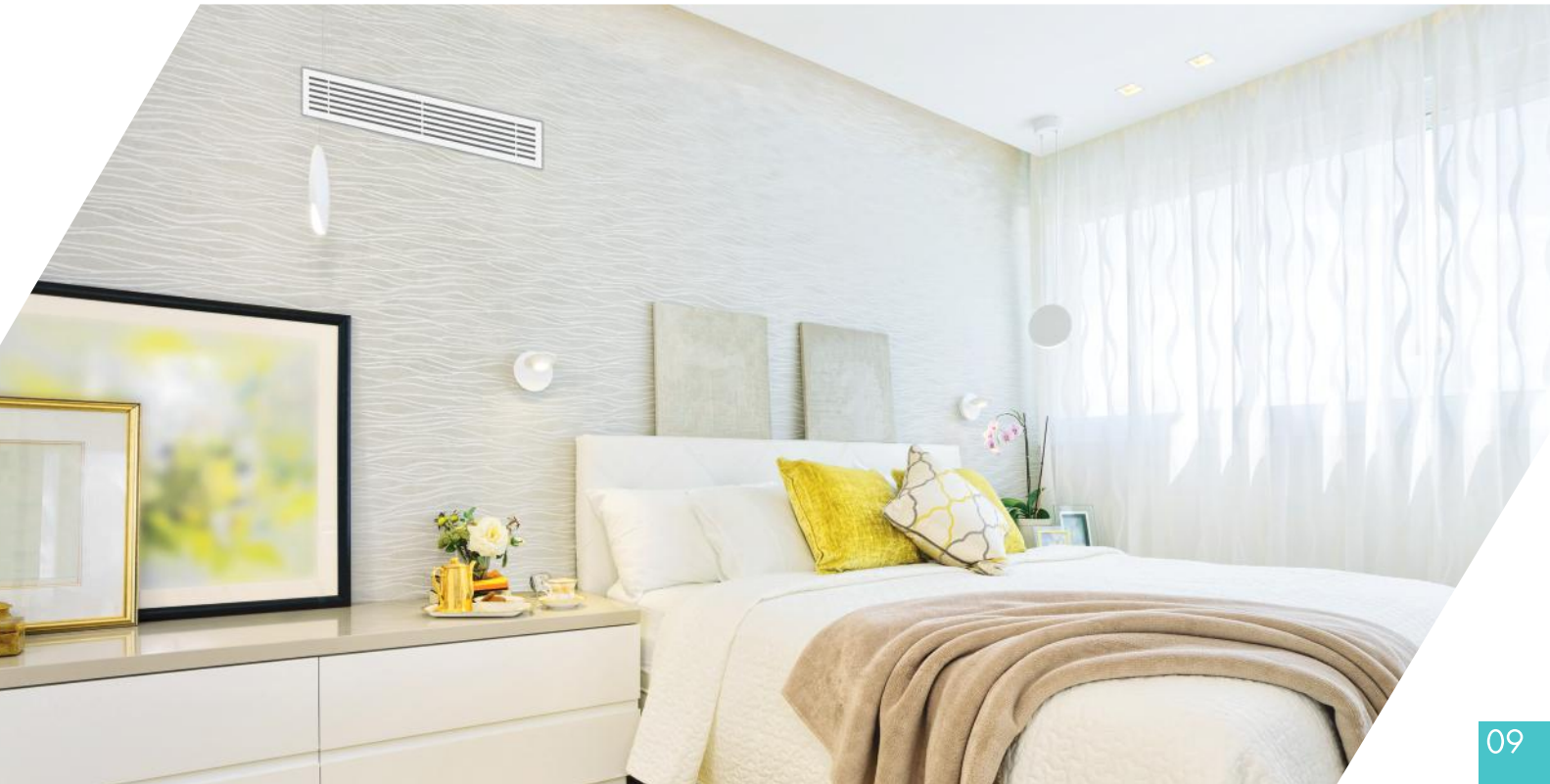
6 models: Outdoor unit can be selected from six models to provide the power that suits your needs. The trunk-shaped outdoor unit can be neatly installed outside.


### HEAT PUMP SERIES

| MODEL NAME | RXYRQ4ARV16 | RXYRQ5ARV16 | RXYRQ6ARV16 |
|---|---|---|---|
| CAPACITY RANGE | 4 HP (11.2 kW) | 5 HP (14.0 kW) | 6 HP (16 kW) |

### COOLING ONLY SERIES

| MODEL NAME | RXRQ4ARV16 | RXRQ5ARV16 | RXRQ6ARV16 |
|---|---|---|---|
| CAPACITY RANGE | 4 HP (11.2 kW) | 5 HP (14.0 kW) | 6 HP (16 kW) |



# ENERGY EFFICIENCY


## SWING COMPRESSOR

Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.

## High COP during both cooling and heating operations

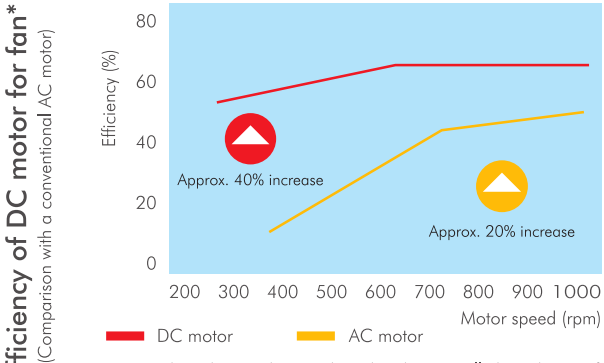
One of the top features of VRV Home is its energy efficiency. It achieves high COP during cooling and heating operations especially at part load.

Daikin was presented 32nd Chairman's award by the Japan society for the promotion of the machine industry for swing compressor

# ENERGY EFFICIENCY

## DC FAN MOTOR

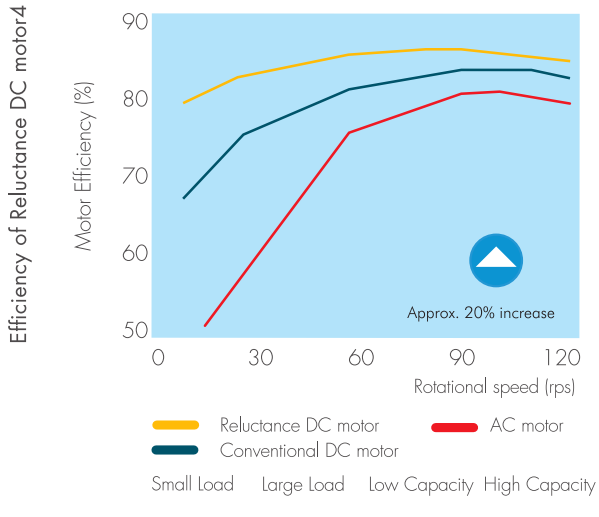
The DC motor allows fine rotation control, which reduces energy consumption. The motor also provides improvements in operational efficiency of up to 40%, compared to AC motor. These improvements are particularly noticeable in the low-speed range



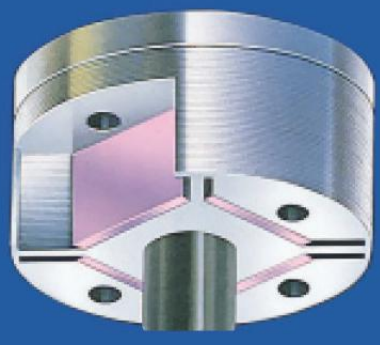

*Data is based on studies conducted under controlled conditions of a Daikin laboratory using Daikin products.

## RELUCTANCE DC MOTOR FOR COMPRESSOR

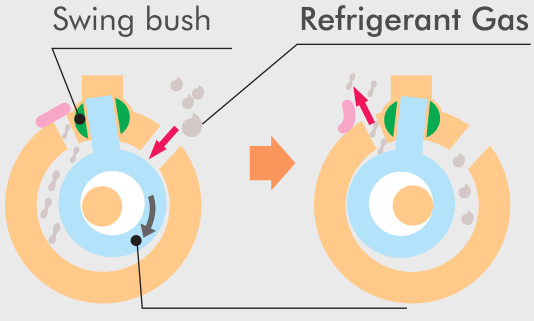
Daikin DC inverter models are equipped with the reluctance DC motor for compressor. The reluctance DC motor uses two different types of torque, neodymium magnet[1] and reluctance torque[2]. This motor saves energy by generating more power with a smaller electric current than AC or conventional DC motors. Daikin's internally embedded neodymium magnet generates strong magnetic field and high torque resulting in high operational efficiency with less electricity consumption. It is more efficient at low frequencies most commonly used by air-conditioners[3] improving efficiency by approximately 20%.



# ENERGY EFFICIENCY



Neodymium magnets are used in the pink-coloured area.




**INTEGRAL PISTON OF BLADE AND ROLLER**

The swing compressor can reduce operational vibration and sound because its piston moves smoothly inside the compressor.

Ferrite magnet

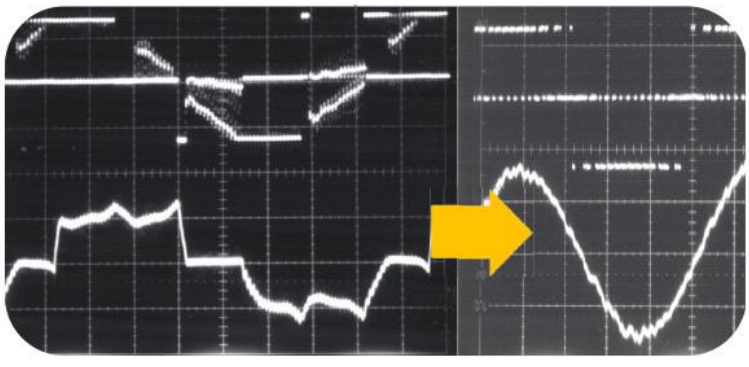
Neodymium magnet

Neodymium magnet are approximately 10 times stronger than standard ferrite magnets. The use of neodymium magnets in Daikin compressors enhances their performance*. Besides, it helps to improve the frequency range used by air-conditioners during periods of stable operation in which air-conditioners operate for the longest periods.

# ENERGY EFFICIENCY

## SINE WAVE

Smooth sine wave of the inverter's electric current eliminates pulsation and high harmonic noise. Highly effective inverter, that can generate the control signal which is closer to the sine wave, thus helping in better efficiency.



## EFFICIENT HEAT EXCHANGER

The VRV Home features bigger centralized outdoor unit compared to individual unitary products. This provides for much bigger heat exchanger in case partial number of indoor units are operational.

# DESIGN FLEXIBILITY

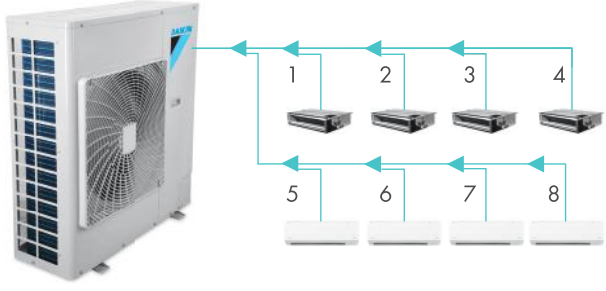
## PIPING LENGTH

VRV Home series offer 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 8 indoor units can be connected to a single outdoor unit

Multiple indoor unit combinations are possible. As many as 8 indoor units can be connected to a single outdoor unit, making the VRV Home a remarkably versatile system.

- Total capacity index of connectable indoor units must be 50% to 140 % of the capacity index of the outdoor unit.

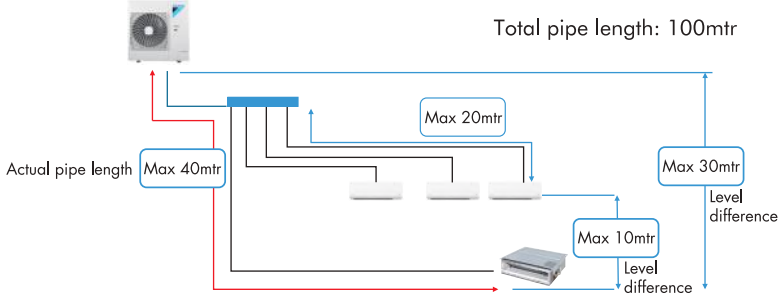



### Max. 8 units

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

### Long piping design possible

The VRV Home provides long piping length possibility of 40 m, with a total piping length of 100 m. If the outdoor unit is installed above indoor units the level difference can be up to a maximum of 30 m. These generous allowances facilitate an extensive variety of system designs.



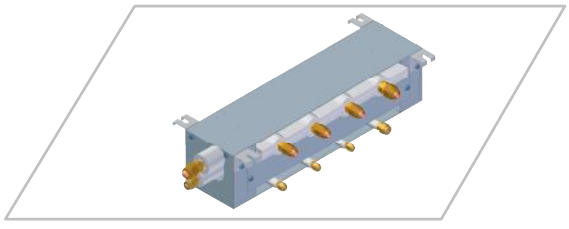

### Total piping length Max.100m

- Level difference between outdoor and indoor unit is 30 m
- Maximum piping length between the indoor unit and the first branch is 20 m.

# DESIGN FLEXIBILITY

## BRAZING FREE INSTALLATION

Daikin innovated Next Generation of Quality and Efficiency for VRV Installation. Flare connection based header pack eliminates need of brazing resulting in quick, safe & quality installation.



HEADER PACK

## CONNECTION RATIO

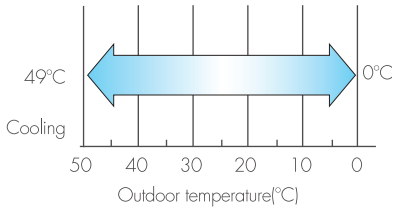
With VRV Home, one has flexibility to connect upto 140% capacity of indoor units over outdoor units, in order to take advantage of redundancy of usage (Connection capacity from 50% to140%).

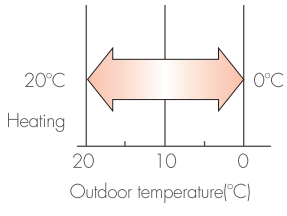
## WIDE OPERATION RANGE

**WIDE OPERATION TEMPERATURE RANGE**

The versatile operation range of the VRV Home system works to reduce limitations on installation locations. The operation temperature range for heating goes all the way down to 0°C, while cooling can be performed with outdoor temperatures as high as 49°C.

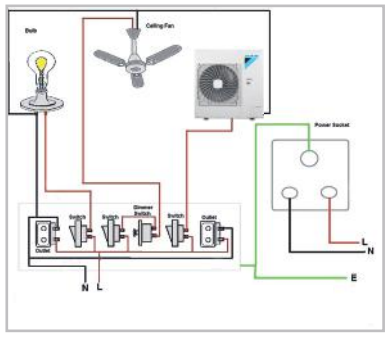
Certified operation temperature range




## SINGLE PHASE POWER SUPPLY

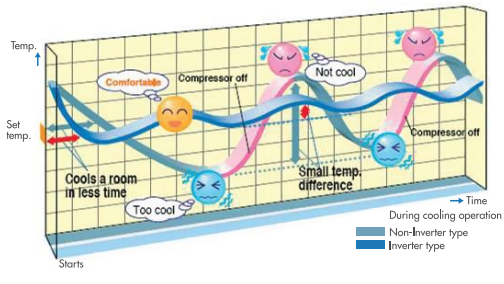
The indoor units as well as outdoor units operate on single phase power supply. This enables VRV Home adaptation at residences where 3 phase power supply is not available.



# USER COMFORT

## PRECISE TEMPERATURE CONTROL

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




## NIGHT TIME QUIET OPERATION

Quietness is important feature of VRV Home system as it provides luxurious comfort. To reduce noise and realise comfortable operation, latest technologies and features are applied to the indoor units as well as outdoor unit.

# USER COMFORT

## Operation sound level selectable from **3 steps for the night mode**

### MODE 1 AUTOMATIC

Set on the outdoor PCB. Time of maximum temperature is memorised. 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).

- This function is available in setting at site.
- The capacity reduction rate differs depending on the operation sound level step selected.

### MODE 2 MANUAL

Starting time and ending time can be input.

### MODE 3 COMBINED

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.

## YEAR ROUND AIR-CONDITIONING

VRV Home is available with heat pump variant also. Heat pump works all round the year maintaining comfortable room temperature during summer and winter season (during heating operation power consumption is only fraction of conventional electric heater)

# CONTEMPORARY

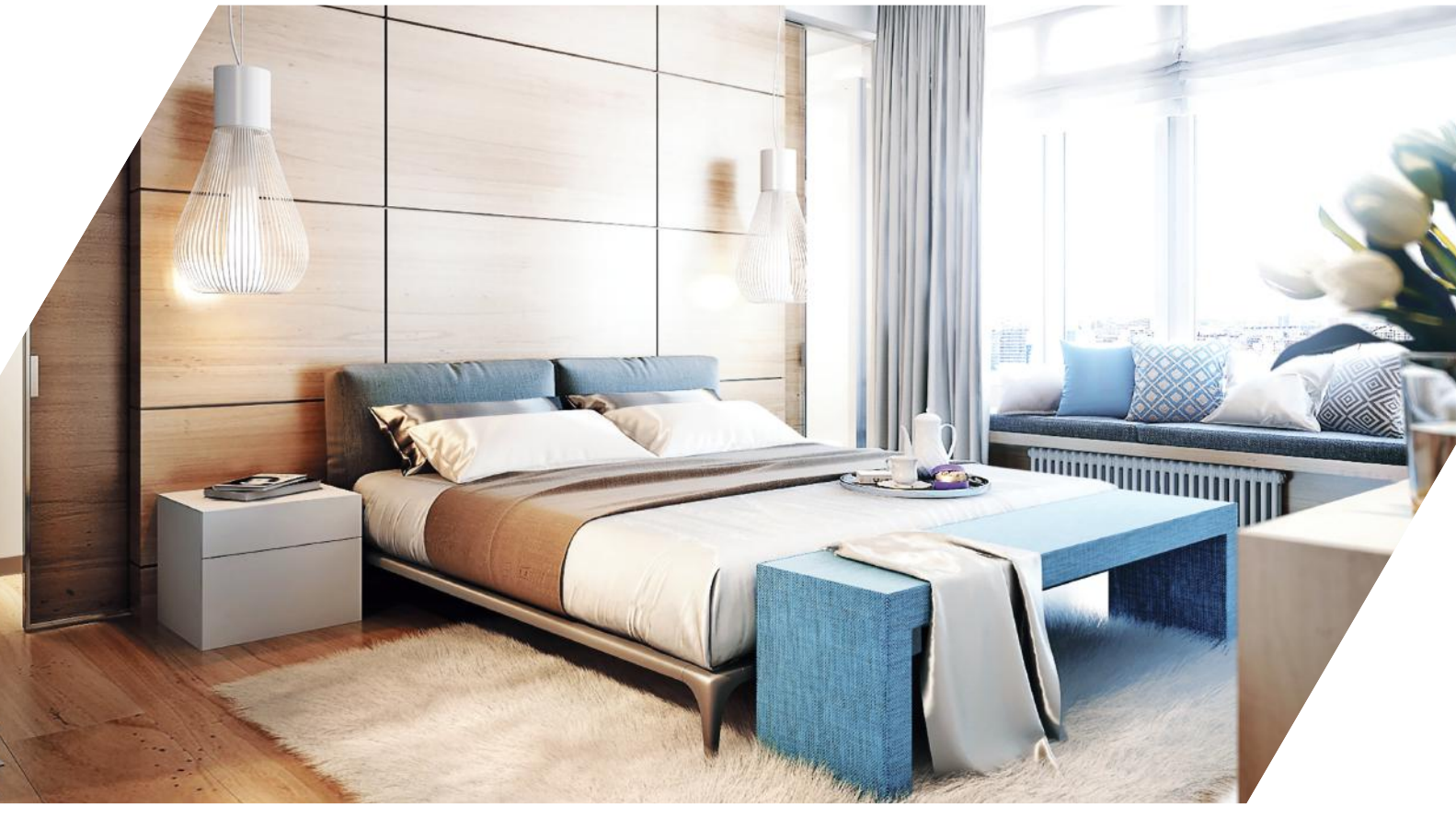
## CENTRALIZED AIR CONDITIONING

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

## CONCEALED & SLEEK IDU DESIGN

### ■ NEW LIFE STYLE

Technology meets Design



# CONTEMPORARY

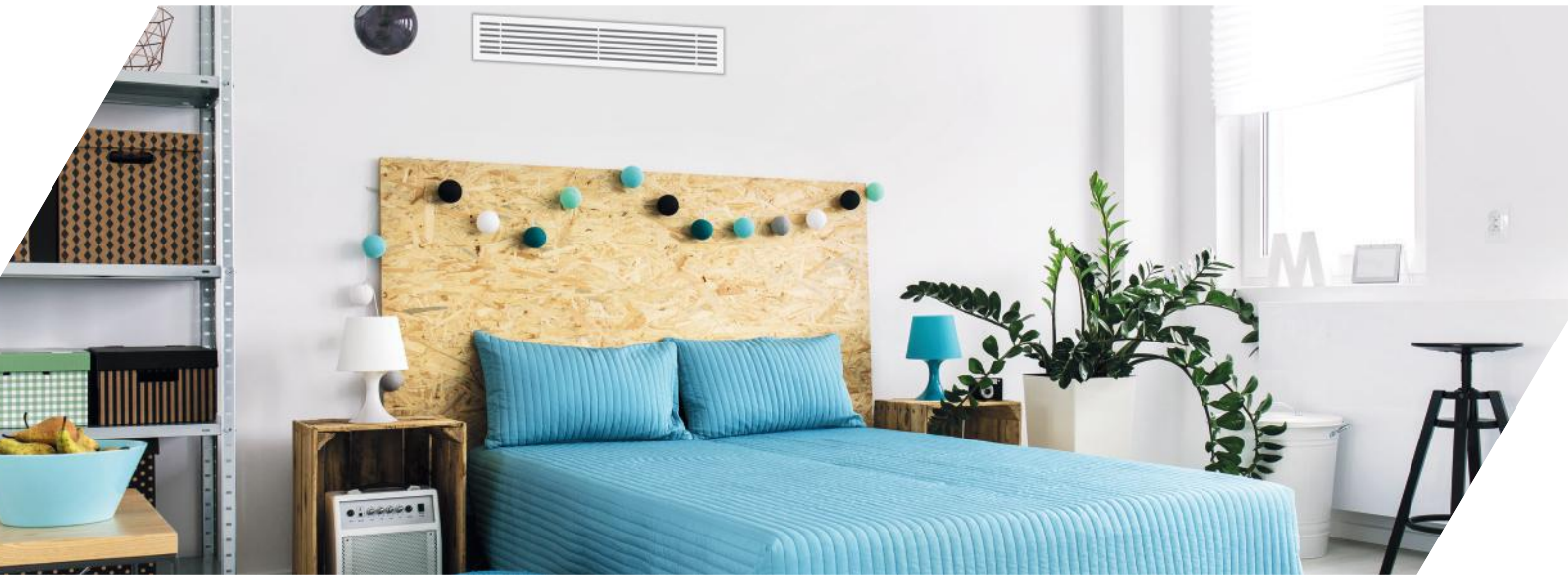
## HIDE AND SLEEK

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.

## SPACE SAVING

Building exterior reflects on interior beauty as well. With its centralized outdoor unit, VRV Home series provides neat and clean look and saves space to make room for other essentials.

# VRV INDOOR UNIT



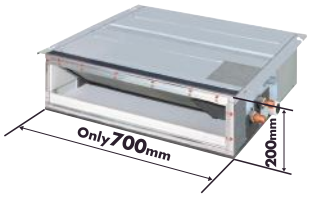
## Slim Ceiling Mounted Duct Type

### Slim design, quietness and static pressure switching

#### SUITED TO USE IN DROP-CEILINGS

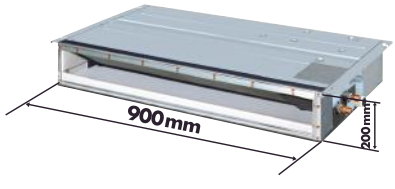
#### FXDRQ20PD / FXDRQ25PD / FXDRQ32PD

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

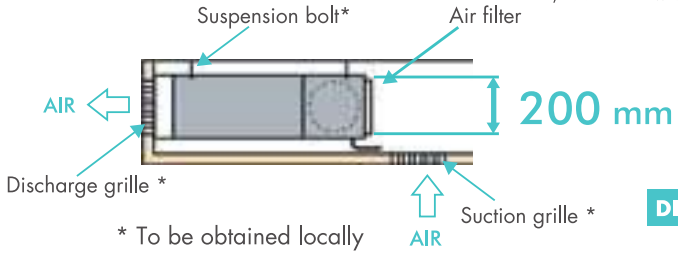



#### FXDRQ40ND / FXDRQ50ND / FXDRQ63ND

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




*1,100 mm in width for the FXDRQ63ND model.




* To be obtained locally

**DIRECT THROW TYPE**

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

Low operation sound level (dB(A))

| FXDRQ-PD/ND | 20/25/32 | 40 | 50 | 63 |
|---|---|---|---|---|
| Sound level (HH/H/L) | 33/31/29 | 34/32/30 | 35/33/31 | 36/34/32 |

# VRV INDOOR UNIT

## Mid Static Pressure Ceiling Mounted Duct Type

FXMRQ40A / FXMRQ50A / FXMRQ63A
FXMRQ80A / FXMRQ100A

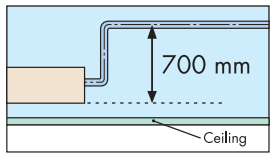
### Mid static pressure allows for flexible duct design

All models are only 300 mm in height, an improvement over the 390 mm height of conventional models. The weight of the FXMRQ40A has been reduced from 44 kg to 28 kg.

**High airflow rate**

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.

Drain pump is equipped as standard accessory with 700 mm lift.



# VRV INDOOR UNIT

## Wall Mounted Type

FXARQ20A / FXARQ25A
FXARQ32A / FXARQ40A
FXARQ50A / FXARQ63A

Stylish flat panel design harmonised with your interior décor

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

# MOBILE CONNECTIVITY


# SMART CONTROL FOR RESIDENTIAL OVERVIEW

## Access within the premises

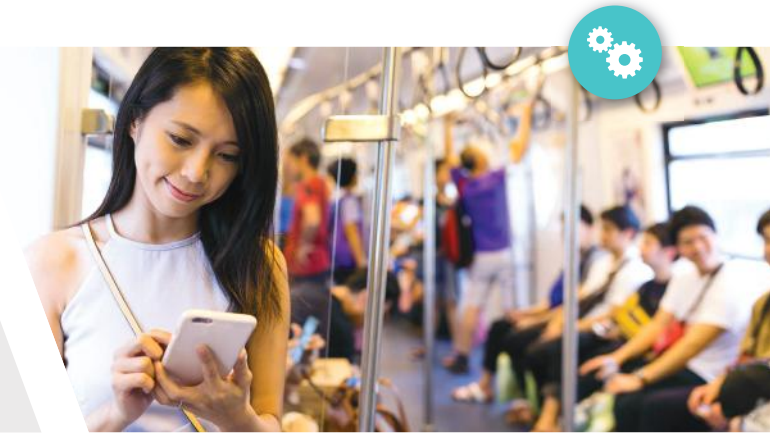
Daikin Smart Control SVM Series provides the ability of centralized control for Daikin VRV air conditioners throughout the home with a smartphone. Homeowners can control all of the core control functions in Daikin air conditioning system effortlessly from one room to another.

## Access anywhere outside

With Daikin Smart Control SVM 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 Smart Control SVM 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 the peace of mind and convenience of monitoring air conditioners with Daikin Smart Control SVM Series from a smartphone.

For medium size apartments, condominiums and landed properties

- Connect up to 8 Indoor Units
- Control and monitor VRV system from smartphone

*Additional modbus adaptor (DTA116A51) is required


## System Architecture

- SVM
- VRV Systems
- DTA116A51 (Modbus Card)
- Router
- Smartphone

DAIKIN Supplied Equipments

| Model | Items |
|---|---|
| SVM | Application Controller |
| DTA116A51 | MODBUS Adaptor |

Note: wi-fi connection should be in customer scope

| CATEGORY | FUNCTION | DETAIL |
|---|---|---|
| Access security | User login | User name, password |
| | Device registration | Registered device (Smartphone only) can be accessed through the internet |
| Main screen | Status monitoring | On/Off, Set point, Operation mode, Fan step, Flap, Error code |
| | Manual operation | On/Off, Set point, Operation Mode, Fan step, Flap |
| Automatic control | Off timer | One time off timer on/off |
| System setting | Language | English |
| | Password setting | Available |
| | User administration | Add/Modify/Delete user, Set User name, Password, Accessible points |

# CONTROL SYSTEMS

## Individual Control Systems for VRV Indoor Units

### Navigation remote controller (Wired remote controller) (Optional)

**BRC1E63**

#### Clear display

- Dot matrix display

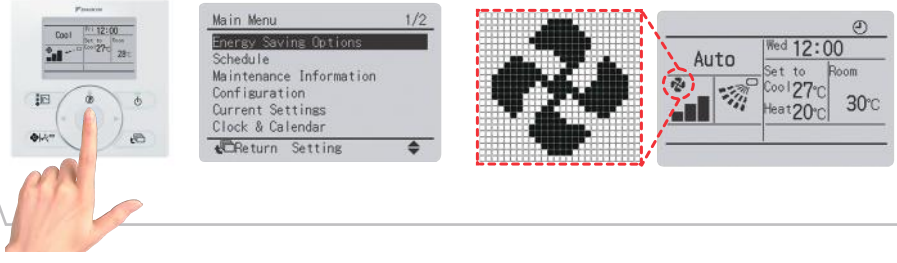
A combination of fine dots enables various icons. Large text display is easy to see.

- Backlight display

Backlight display helps operating in dark rooms.

#### Simple operation

- Large buttons and arrow keys
- Guide on display




#### Wireless remote control (optional)

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

### Simplified remote controller (Option)

**BRC2E61**

#### Easy operation with new intuitive design

**Simple operation**

Using only six buttons, users have direct access to basic functions. This enables them to easily set comfort to their preference.

- ON/OFF
- Operation mode
- Temperature setting
- Airflow rate (5-step & Auto)*
- Up and down airflow direction (5-step & Swing)*
- ON/OFF timer

* The number of airflow steps and availability of auto airflow rate and swing mode depend on the type of indoor unit.

### Wired remote controller (Option)

**BRC1C62-9**

#### Displays current airflow, swing, temperature operating mode and timer settings

*Easier to read because LCD screen is larger.

- Digital display lets you set temperature in 1°C Units.
- Lets you individually programme by timer the respective times for operation start and stop within a maximum of 72 hours.

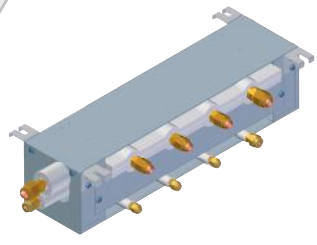
# HEADER PACK

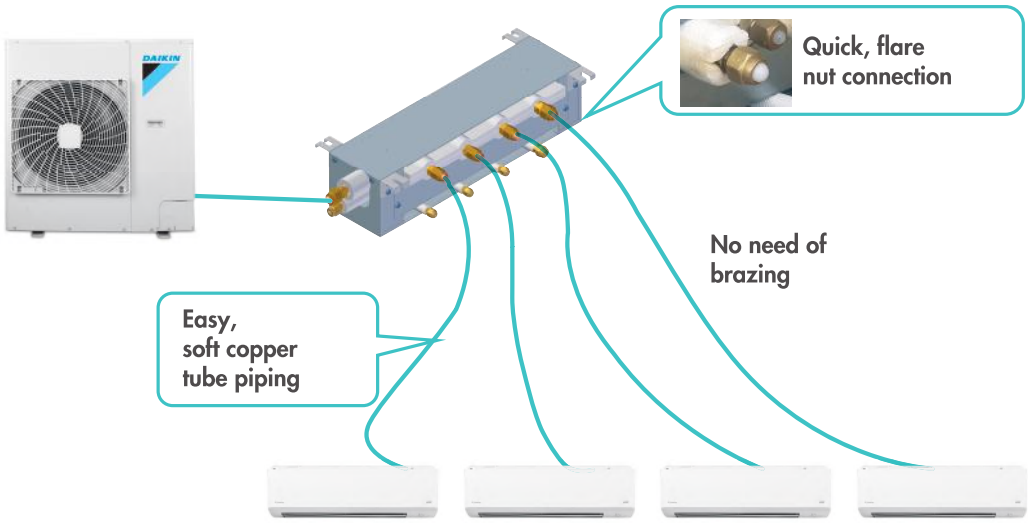
## The Innovative Refrigerant Piping of next generation

Daikin innovated Next Generation of Quality and Efficiency for VRV Installation. It offers differentaited soulutions in installation. It ensures quality installation with reduction of site work.

Advantage

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






Compact design to fit into narrow attic space

### HEADER PACK LINE-UP

| Model Name | HP | Piping connections (Liquid/Gas mm) | |
|---|---|---|---|
| | | Outdoor unit side | Indoor unit side |
| BHF6RHP6 | 4/5/6 | Φ9.5/Φ15.9 | (Φ9.5/Φ15.9)×1<br>(Φ6.4/Φ12.7)×3 |

# SPECIFICATIONS

## VRV Home Series


| Model | Cooling only | | | HEAT PUMP | | |
|---|---|---|---|---|---|---|
| | RXRQ4ARV16 | RXRQ5ARV16 | RXRQ6ARV16 | RXYRQ4ARV16 | RXYRQ5ARV16 | RXYRQ6ARV16 |
| Power Supply | 220~240V & 50 Hz ,1 PHASE | | | 220~240V & 50 Hz ,1 PHASE | | |
| Cooling Capacity(kW) | 11.2 | 14.0 | 16.0 | 11.2 | 14.0 | 16.0 |
| Heating Capacity(kW) | _ | _ | _ | 11.2 | 14.0 | 16.0 |
| Casing Color | Ivory White | | | Ivory White | | |
| Dimensions(H*W*D) | 990*940*320 | | | 990*940*320 | | |
| Heat Exchanger | Cross Fin Coil(multi slit) | | | Cross Fin Coil(multi slit) | | |
| *Fan* | | | | | | |
| Type | Propeller Fan X 1 | | | Propeller Fan X 1 | | |
| Motor Output(W) | 200 | | | 200 | | |
| Air Flow Rate($m^3$/min) | 76 | | | 76 | | |
| Drive | Direct Drive | | | Direct Drive | | |
| Connecting Pipes | | | | | | |
| Liquid Pipe(Flare Connection) | φ9.5 | | | φ9.5 | | |
| Gas Pipe (Flare Connection) | φ15.9 | | | φ15.9 | | |
| Max actual pipe length (m) | 40 | | | 40 | | |
| Total Pipe length (m) | 100 | | | 100 | | |
| Weight (kg) | 72 | 72 | 79 | 73 | 73 | 82 |
| Sound pressure level dB(A) | 52 | 54 | 55 | 52 | 54 | 55 |
| Capacity Control(%) | 24-100 | | 16-100 | 24-100 | | 16-100 |
| Combination ratio(%) | 50-140% | | | | | |
| Temp range Cooling(CDB) | 0 to 49 | | | 0 to 49 | | |
| Temp range Heating(CDB) | NA | | | 0 to 20 | | |
| Refrigerant Type | R410A | R410A | R410A | R410A | R410A | R410A |
| Compressor Type | Hermetically Sealed Swing Type | | | | | |

## Wall Mounted Type

| MODEL | | | FXARQ20ARVE6 | FXARQ25ARVE6 | FXARQ32ARVE6 | FXARQ40ARVE6 | FXARQ50ARVE6 | FXARQ63ARVE6 |
|---|---|---|---|---|---|---|---|---|
| Power supply | | | 1-phase, 220V / 240V 50 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 | | | 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 | Ø6.4 | Ø6.4 | Ø6.4 | Ø6.4 | Ø6.4 | Ø9.5 |
| | Gas (Flare) | | Ø12.7 | Ø12.7 | Ø12.7 | Ø12.7 | Ø12.7 | Ø15.9 |
| | Drain | | VP13 (External Dia, 18/Internal Dia, 13) | | | | | |

## Mid Static Pressure Ceiling Mounted Duct Type

| MODEL | WITH DRAIN PUMP | | FXMRQ40ARV16 | FXMRQ50ARV16 | FXMRQ63ARV16 | FXMRQ80ARV16 | FXMRQ100ARV16 |
|---|---|---|---|---|---|---|---|
| Power supply | | | 1-phase, 220V / 240V, 50 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 | 530/425 | 671/565 | 848/706 | 1060/883 | 1200/1024 |
| External static pressure | | Pa | 30-50 | 30-50 | 30-50 | 30-50 | 30-60 |
| Sound level (H/L) | | dB(A) | 39/37 | 41/39 | 42/40 | 43/41 | 33/44/42 |
| Dimensions (H×W×D) | | mm | 300x700x700 | 300x700x700 | 300x1000x700 | 300x1000x700 | 300x1000x700 |
| Machine weight | | kg | 27 | 28 | 35 | 35 | 36 |
| Piping connections | Liquid (Flare) | mm | Ø 6.4 | Ø 6.4 | Ø 9.5 | Ø 9.5 | Ø 9.5 |
| | Gas (Flare) | | Ø 12.7 | Ø 12.7 | Ø 15.9 | Ø 15.9 | Ø 15.9 |
| | Drain | | VP25 (External Dia, 32/Internal Dia, 25) | | | | |

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. 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.

# Slim Ceiling Mounted Duct Type (700 mm width type)

| MODEL | WITH DRAIN PUMP | | FXDRQ20PDV36 | FXDRQ25PDV36 | FXDRQ32PDV36 |
|---|---|---|---|---|---|
| Power supply | | | 1-phase, 220V / 240V, 50 Hz | | |
| Cooling capacity | | Btu/h | 7500 | 9600 | 12300 |
| | | kW | 2.2 | 2.8 | 3.6 |
| Heating capacity | | Btu/h | 8500 | 10900 | 13600 |
| | | kW | 2.5 | 3.2 | 4 |
| 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 |
| | | cfm | 282/254/226 | 282/254/226 | 282/254/226 |
| External static pressure | | Pa | | 30-10 *2 | |
| Sound level (HH/H/L)*1*3 | | dB(A) | 33/31/29 | 33/31/29 | 33/31/29 |
| Dimensions (H×W×D) | | mm | 200×700×620 | 200×700×620 | 200×700×620 |
| Machine weight | | kg | 23 | 23 | 23 |
| Piping connections | Liquid (Flare) | mm | Ø 6.4 | Ø 6.4 | Ø 6.4 |
| | Gas (Flare) | | Ø 12.7 | Ø 12.7 | Ø 12.7 |
| | Drain | | VP20 (External Dia, 26/Internal Dia, 20) | | |

# Slim Ceiling Mounted Duct Type (900/1,100 mm width type)

| MODEL | WITH DRAIN PUMP | | FXDRQ40NDV36 | FXDRQ50NDV36 | FXDRQ63 NDV36 |
|---|---|---|---|---|---|
| Power supply | | | 1-phase, 220V / 240V, 50 Hz | | |
| Cooling capacity | | Btu/h | 15400 | 19100 | 24200 |
| | | kW | 4.5 | 5.6 | 7.1 |
| Heating capacity | | Btu/h | 17100 | 21500 | 27300 |
| | | kW | 5 | 6.3 | 8 |
| Casing | | | Galvanised steel plate | | |
| Airflow rate (HH/H/L) | | $m^3$/min | 10.5/9.5/8.5 | 12.5/11.0/10.0 | 16.5/14.5.13.0 |
| | | cfm | 371/335/300 | 441/388/353 | 583/512/459 |
| External static pressure | | Pa | 40-15*2 | | |
| Sound level (HH/H/L)*1*3 | | dB(A) | 34/32/30 | 35/33/31 | 36/34/32 |
| Dimensions (H×W×D) | | mm | 200×900×620 | 200×900×620 | 200×1,100×620 |
| Machine weight | | kg | 27 | 28 | 31 |
| Piping connections | Liquid (Flare) | mm | Ø 6.4 | Ø 6.4 | Ø 9.5 |
| | Gas (Flare) | | Ø 12.7 | Ø 12.7 | Ø 15.9 |
| | Drain | | VP20 (External Dia, 26/Internal Dia, 20) | | |

- Cooling: Indoor temp.: 27 DB, 19 WB, Outdoor temp.: 35 DB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
- Heating: Indoor temp.: 20 DB, Outdoor temp.: 7 DB, 6 WB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

1. Values are based on the following conditions: FXDRQ-PD: external static pressure of 10 Pa; FXDRQ-ND: 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 FXDRQ-PD models and 15 Pa for FXDRQ-ND models.)
3. 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).

## DAIKIN AIRCONDITIONING INDIA PVT. LTD.

12th Floor, Building No. 9, Tower A, DLF Cyber City DLF Phase III, Gurgaon - 122002, Haryana, India
Tel: 0124-4555444, Fax: 0124-4555333

**CUSTOMER CONTACT CENTRE**
011-40319300, 1860-180-3900
customerservice@daikinindia.com


## SALES & SERVICE OFFICES

Ahmedabad - Tel: 079 - 40013100
Bengaluru - Tel: 080-25590452/54
Bhubaneswar - Tel: 0674-2546476
Chandigarh - Tel: 0172-5089862/64
Chennai - Tel: 044-40807676
Cochin - Tel: 0484-2808646

Delhi NCR - Tel: 011-43834400/4500
Ghaziabad - Tel: 0120-4205851
Indore - Tel: 0731-4005864
Jaipur - Tel: 0141-2218903
Kolkata - Tel: 033-4060 8019/40659544
Lucknow - Tel: 0522-4309858/59/60

Mumbai - Tel: 022-30926666
Patna - Tel: 0612-2522477
Pune - Tel: 020-25560300
Raipur - Tel: 0771-4911225
Secunderabad - Tel: 040-49134283

To know more, give a missed call or SMS: <DAIKIN> to 9210188999 | Visit us at: www.daikinindia.com | Buy at: www.mydaikinstore.com
Follow us on: www.facebook.com/daikinindia www.twitter.com/daikinindia www.daikinindia.com/blog in/company/daikin-airconditioning-india-pvt.-ltd.



For More Information
'Scan Me'


DAIPL-2019/21-VRVHM-2C