DAIKIN

VRV

VRV

Product catalogue 2023 for professionals

VRV, Purpose-built to support the decarbonisation of commercial buildings

Check out our VRV 5 HR launch event!

What's new?

VRV 5 SHÎRUDO TECHNOLOGY

BLUEVOLUTION

Extending VRV 5 total solution

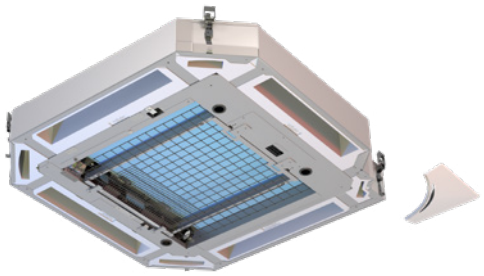
p. 28
p. 152
p. 176

NEW

Extending our market-leading portfolio

› Integration of AHU's via new extended range of expansion valve kits and control boxes
› Maximum design flexibility, thanks to Shîrudo Technology
› Top sustainability over the entire lifecycle

UV STREAMER



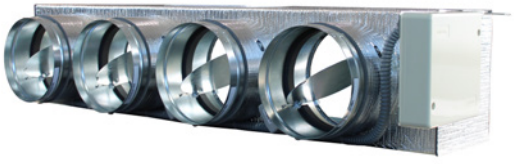
UV Streamer kit

BAEF125AWB

NEW

p. 48

› Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc
› Removes 99.90% of viruses in 30 minutes thanks to the Catch and Clean approach
  • Highly efficient F7 filter (ISO classification under testing)
  • UVC light and Streamer technology for cleaning and decompostion of pollutants
› Available in combination with standard and white Round Flow decoration panels
› Can be reftrofitted into existing installations



Extention of multi zoning kits

AZEZ6DAIBS07

NEW

p.132

› New lower height range directly connectable to medium ESP concealed ceiling units
› The multi-zoning system is a room-by-room controller, fitted with motorised dampers
› Up to 8 individual zones can be served
› Time-saving as plenum comes fully pre-assembled with dampers and control boards

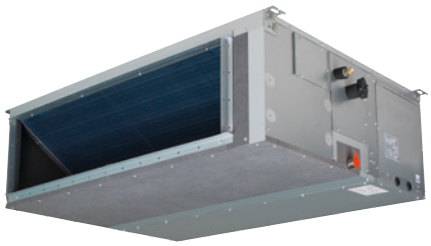
Concealed ceiling unit with high ESP

FXMQ-A

p. 135

NEW

- Ideal for large sized spaces, ESP up to 270Pa
- Large capacity up to 31.5 kW
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Drain pump available as option
- Pre-filters and high efficiency filter options



Modular T Smart

ATB-L/S

p.160

NEW

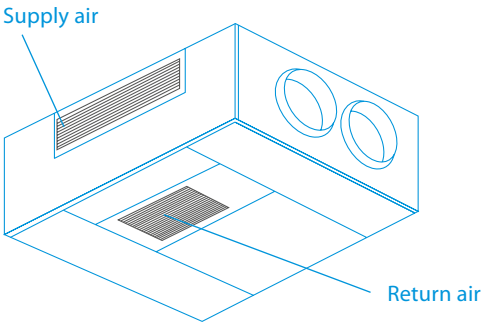
- Top connected Air Handling Unit, reducing the unit's footprint
- Superior IAQ level: filtration on supply side up to ePM1.0 90%
- Plug&Play control solution, for a quick and easy start-up
- DX coil integration to connect to VRV or ERQ

Plug&Play heat recovery ventilation unit

p. 169

NEW

- For Schools and light commercial applications with an immediate need for fresh air
- Unit does not require any ductwork for supply or return air keeping interior works to a minimum



Intelligent Touch Manager

DCM601B51

p. 194

UPDATE

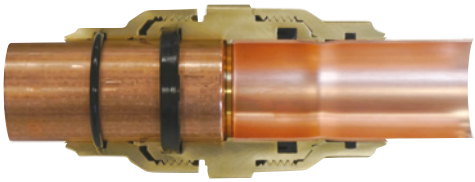
- New power cut off & Quiet operation control
- Improved Touch Panel operability
- New Software version 1.31.00
- ITM plus adaptor replaced by DIII Plus adaptor & slot with new design

Tightfit – Fireless copper pipe connector

p. 216

NEW

- Non-brazed connection for refrigerant piping
- Can be used without any special tools or permits
- Extremely durable: withstands up to 4 times the operation pressure or R-32



Continuing our path to lower CO_2 equivalent solutions

VRV 5 S-series | VRV 5 Heat Recovery | VRV 5 Heat Pump

Innovation and adaptation are at the heart of Daikin's decarbonisation strategy. When it comes to refrigerant selection, we have a diversity of choice that we are constantly evaluating to determine the appropriate refrigerant for each application and convert our portfolio to lower GWP refrigerants.

For VRV heat pumps, Daikin has assessed various refrigerants based on four criteria: overall environmental impact, energy efficiency, safety and cost-effectiveness. R-32 was determined to be the most balanced for direct expansion heat pumps.

Since launching the VRV 5 S-series with R-32 in 2020, we continue to expand our VRV portfolio with the launch of the VRV 5 Heat Recovery system and a VRV 5 heat pump in the near future

Benefits of R-32

R-32 refrigerant has a lower Global Warming Potential and higher efficiency compared to R-410A, making it the most effective sustainable solution for VRF systems today.

- **Lower Global Warming Potential** (GWP): only 1/3rd of R-410A
- **Lower refrigerant charge**: 15% less compared to R-410A
- **Higher energy efficiency**, greatly reducing the indirect CO_2 eq. impact
- **Single component refrigerant**, easy to handle and recycle.

R-32 VRV 5

Benefits of VRV heat pumps

VRV systems offer commercial buildings maximum flexibility and peace of mind thanks to the advantages direct expansion (DX) systems have to offer:

- **More responsive:** Immediate reaction to changing conditions helps avoid overheating
- **Highly efficient:** Only 2 energy transfer steps are needed (from air to refrigerant, and from refrigerant to air)
- **Quick and easy to install:** All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)
- **Limited space requirements:** All components are integrated, and refrigerant piping is compact.

VRV
Commercial air-to-air heat pumps

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EXAMPLE

Building a sustainable legacy together

Air surrounds us all the time, and in fact our very existence depends on it. At Daikin, the future of the world's indoor air is our greatest concern.

Daikin envisions a world with healthier indoor air while reducing our environmental impact. Driven by a dedication to achieve net zero CO_2 emissions by 2050, we provide **safe, healthy and comfortable spaces** throughout the building life cycle using **world-leading technology.**

Building on our **long-term partnerships**, let's build together now to achieve our goals, protecting the health and wellbeing of every individual.

Supporting decarbonization

We must act now to ensure we create a long-lasting legacy. As a company that values sustainability, we want to help to **decarbonize** buildings and create a **healthy** environment for generations to come.

Taking on the sustainable transformation, our solutions reduce the CO_2 footprint of buildings, whether they are new builds or renovations:

- Reusing existing refrigerant through **L∞P Daikin**, we reuse resources already available in the market, fully supporting the EU circular economy at a low carbon footprint
- If needed we introduce virgin refrigerant through **lower GWP refrigerants** such as R-32 reducing the direct CO2eq impact
- Maximizing sustainability over the entire life cycle, thanks to market-leading **real life seasonal efficiencies**
- Ensuring systems run efficiently 24/7 through **smart controls**

Building for the future

As market leaders in total solutions, we are constantly innovating to offer you a **comfortable, healthy and safe** environment, meeting your needs. Reliability, support and precision are characteristics of our future-proof products and services. We offer:

- A **wide range** of next-generation heat pumps to meet complex demands, including **easy upgrading extending the lifetime of our equipment**
- Expert **indoor air quality solutions** through our ventilation and filtration systems to eliminate pollutants and balance humidity levels

A journey we take together

Together we take on the sustainability journey. We provide expert **support** throughout the building life cycle and give **peace of mind** by ensuring what we do is **future-proof** and is helping to build a better future.

- Our team of **experts**, go beyond product support. Together we reach your green objectives.
- We are there for you, **all the time**: via our local customer support teams and e-commerce solutions.
- We're in it for the **long term**. We deliver what we commit to, providing clear and trustworthy data

9 reasons why VRV is unique in the market

1 Leader in sustainability

NEW › VRV 5: dedicated R-32 VRV design
- Less refrigerant charge
- Higher efficiency
- Lower CO_2 equivalent

› L∞P by Daikin: the creation of a circular economy of refrigerants
- Saves over 400,000 kgs of virgin refrigerant being produced every year
- Greatly reduces the CO_2 foorprint of refrigerant production
- For all VRV units produced and sold in Europe*

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV 5 BLUEVOLUTION

CO_2

LOOP BY DAIKIN

2 Efficiency

› Variable Refrigerant Temperature for high seasonal efficiency
› Round flow cassette and concealed ceiling units with auto cleaning filter
› The best partner for your BREEAM, LEED or Well project

BREEAM®

ErP 2021 COMPLIANT

3 Comfort

› Provide high Indoor Air Quality though seamless integration of AHU's (For VRV IV models)
› Variable Refrigerant Temperature preventing cold draughts in cooling thanks to high outblow temperatures
› True continuous heating during defrost
› Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
› Auto cleaning filters to ensure optimum air quality
NEW › UV Streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc

4 Reliability

› Refrigerant cooled PCB
› Most extensive testing before new units leave the factory
› Widest sales network with all spare parts available in Europe
› Preventive maintenance via Daikin Cloud Service
› Auto cleaning filters to further enhance reliability thanks to clean air-filters
› True technical cooling

5 Design

› Widest ever range of cassette panels
  • Available in white and black
  • Sleek designer panel range
› Daikin Emura, unique iconic design
› Fully flat cassette, fully integrated in the ceiling

6 Controls

› Voice control via Amazon Alexa and Google Assistant through BRP069C51 Onecta app (For VRV 5 models)
› Madoka: a sleek wired remote controller with intuitive touch button control
› Intelligent Touch manager: A cost-effective mini BMS integrating all Daikin products
› Easy integration in third party BMS via BACnet, LonWorks, Modbus, KNX
› Dedicated control solutions for applications such as technical cooling, shops, hotels, ...
› Daikin Cloud Service for online control, energy monitoring, comparison of multiple sites and predictive maintenance

7 Installation

› Automatic refrigerant charge and refrigerant containment check
› Unique 4-way blow ceiling suspended cassette (FXUQ)
› Plug & play Daikin Air Handling Unit
› VRV configurator software for the fastest commissioning, configuration and customisation
› Outdoor unit display for quick on-site settings and detailed error readouts for improved customer support

7-segment display

8 Inventor of VRV with over 40 years of history

› Market leader of VRV systems since 1982
› Over 90 years of expertise in heat pump technology
› Designed for and produced in Europe
› Innovator setting the market standard with technologies such as Variable Refrigerant Temperature, continuous heating, Shîrudo technology, ...

VRV

Variable Refrigerant Temperature

9 For every application a solution

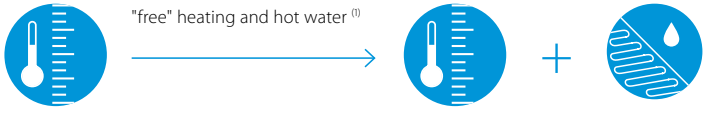
› Heat recovery for simultaneous cooling and heating
› Maximum flexibility for geothermal applications with water-cooled systems
› Hot and cold climate solutions offering efficient cooling up to 52°C and heating down to -25°C
› Space saving mini VRV solutions, offering the most compact VRV
› The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible
› Replacement solutions to replace existing systems in the most cost-effective way

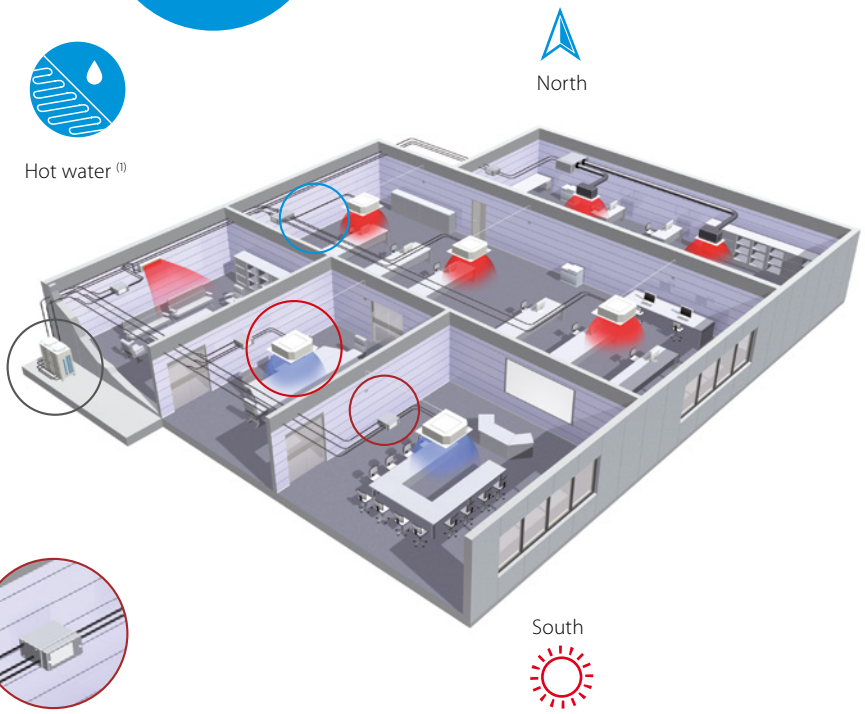
The VRV air conditioning system is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982. VRV is the trademark of Daikin Industries Ltd, which is derived from the technology we call "variable refrigerant volume". BREEAM is a registered trademark of BRE (the Building Research Establishment Ltd. Community Trade Mark E5778551). The BREEAM marks, logos and symbols are the Copyright of BRE and are reproduced by permission

Which VRV
system offers me the best solution?

Heat recovery or heat pump?
VRV Heat recovery

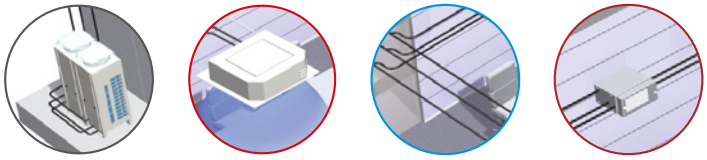
Additional credits for green building certificate





- Simultaneous heating **AND** cooling from one system
- "Free" heating and hot water production (1) by transferring heat from areas requiring cooling
- Maximum individual comfort in all areas
- Technical cooling down to -20°C
- Running costs of VRV heat recovery system can be 30 to 40% lower compared to water fan coil system (2)

Components:

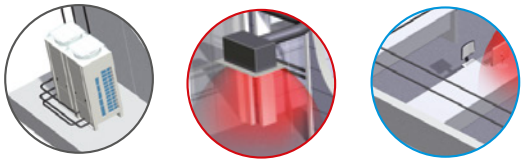


Outdoor unit | Indoor unit | 3-pipe refrigerant piping | BS boxes: allows the individual switching of indoor units between heating and cooling

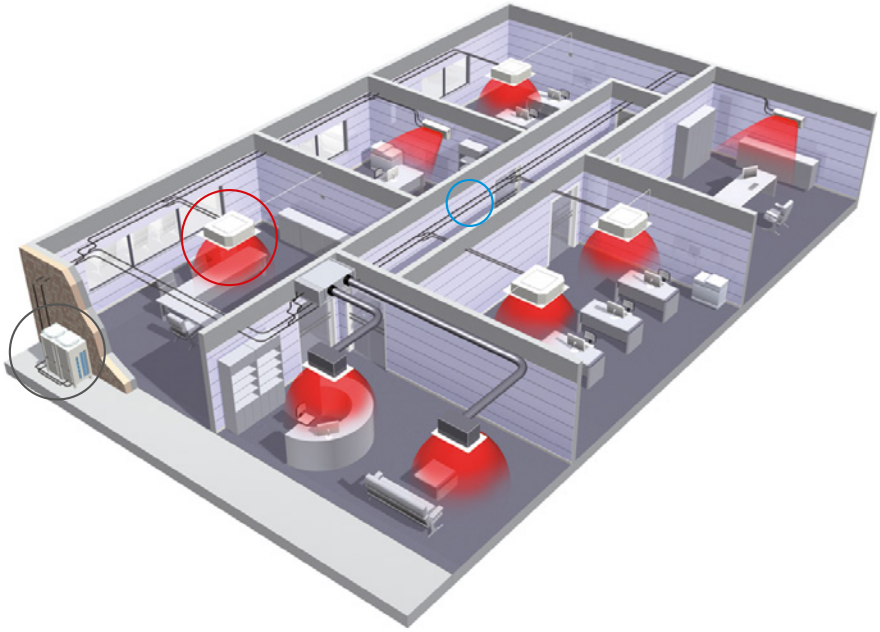
VRV Heat pump

- For either heating **OR** cooling operation from one system

Components:



Outdoor unit | Indoor unit | 2-pipe refrigerant piping



(1) Hot water hydrobox connection only in combination with VRV IV+ heat recovery
(2) According to the Franklin + Andrews construction economics

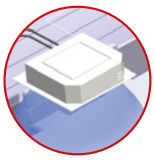
Air cooled or water cooled?

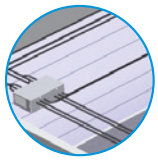
Air Cooled

- Fast and easy to install; no need for additional components
- Low maintenance costs
- Operation range from - 25°C~52°C
- Can be installed both outdoors and indoors
- Up to 54HP capacity for one system

Components:

Outdoor unit


Indoor unit

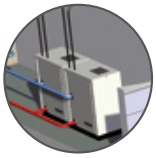

Refrigerant piping

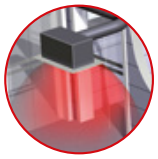
Water Cooled

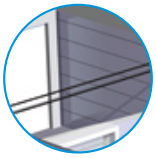
Additional credits for green building certificate

- Suitable for high rise and large buildings because of the nearly unlimited possibilities of water piping
- Not affected by outdoor temperature/climate conditions
- Reduce CO_2 emmisions thanks to the use of geothermal energy as a renewable energy source
- Allows heat recovery in the entire building thanks to the storage of energy in the water circuit
- Lower refrigerant levels thanks to the limited distance between outdoor and indoor units

Components:


Outdoor unit


Indoor unit


Refrigerant piping

(Geothermal) water loop

Geothermal application

VRV total solution

Typically, many buildings today rely on several separate systems for heating, cooling, air curtain heating and hot water. As a result energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into

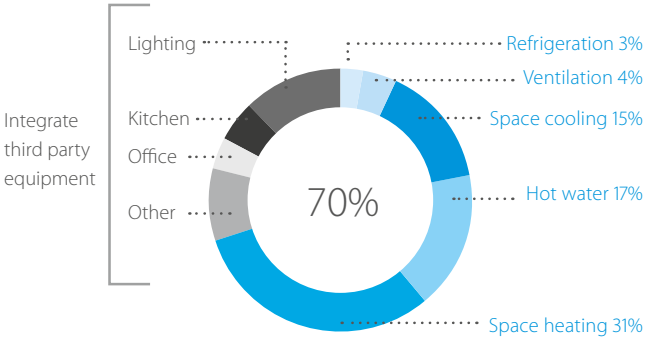
a total solution managing up to

70%

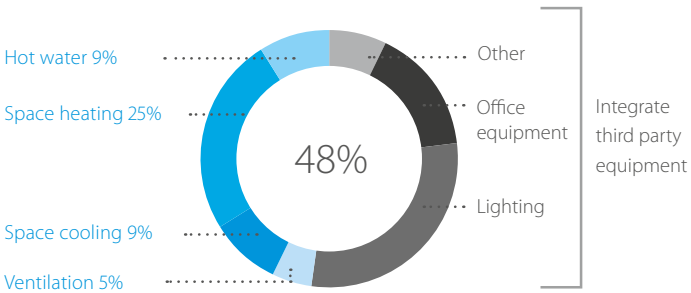
of a buildings energy consumption giving large potential to cost saving.

- **Heating and cooling** for year round comfort
- **Hot water** for efficient production of hot water
- **Underfloor heating / cooling** for efficient space heating/cooling
- **Fresh air ventilation** for high quality environments
- **Air curtains** for optimum air separation
- **Controls** for maximum operating efficiency
- **Cooling** for server rooms, telecom shelters, ... via VRV heat recovery or Sky Air units
- **Refrigeration** via our VRV based refrigeration units

Average hotel energy consumption



Average office energy consumption



Offices
Efficiency in the workplace

"Leading edge design in harmony with the construction and interior design."

Architect

Hotel
Hospitality with economy

"With Daikin we could perfectly combine the authenticity of the hotel with the latest technology and comfort."

Owner of a 5-star hotel

Shops
reducing retail costs

"Together with Daikin's technical team we have optimised the design of our HVAC system, reducing investment levels and operational costs. Daikin has offered us access to the most up to date technology."

Retail shop representative

Residential
there is no place like home

"A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort"

VRV benefits & technologies

See how you can benefit from Daikin's highly flexible and efficiency product range

VRV benefits & technologies

Drastically reducing your running costs 16
Top reliability 20
Comfort guaranteed at all times 22
Great design flexibility 24
Fast installation and commissioning, easy servicing 26

Benefits of direct expansion (DX) systems

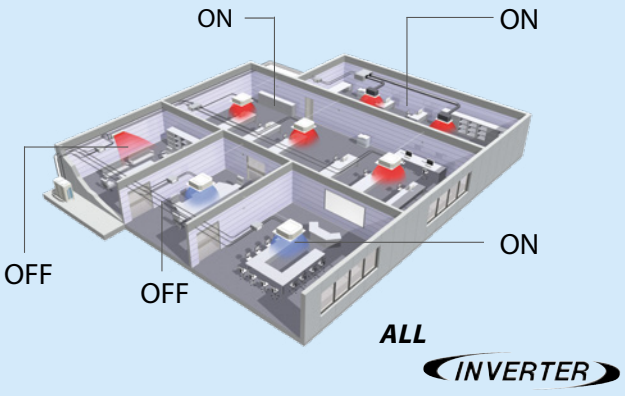
Highly efficient

› Only 2 energy transfer steps maximise efficiency. Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system

Air → Refrigerant → Air

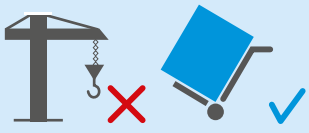
Precise zone control

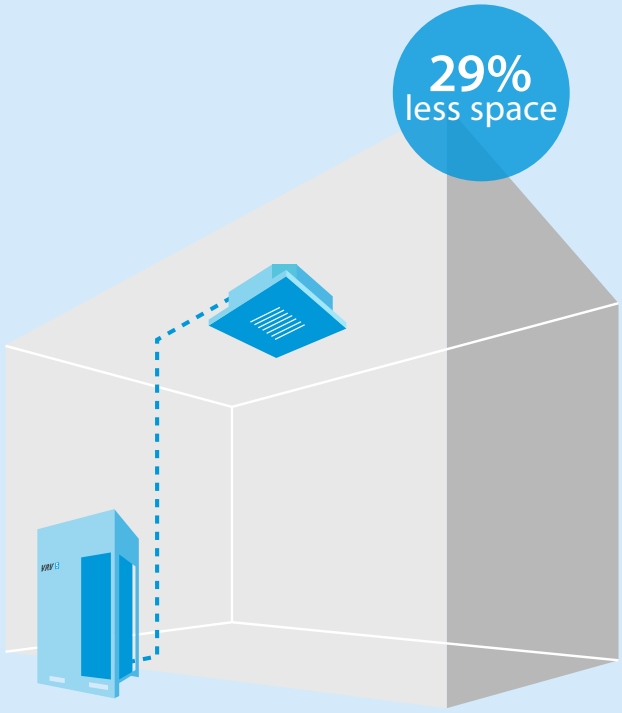
› Only condition areas in need for cooling or heating
› Immediate reaction to changing conditions and precise control to 0.5°C



Compact units

› Avoid the need for structural reinforcement or special equipment to lift units in place





Quick and easy to install

› All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)
› Small piping diameters
› Up to 20% less space required compared to traditional water-based systems, offering more lettable space

Drastically reducing running costs

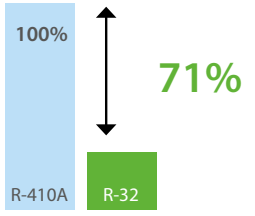
⊕ Innovative technologies to offer market-leading efficiencies

⊕ Flexibility to meet the building load at the highest efficiency

BLUEVOLUTION

Introducing R-32 refrigerant on VRV5

› Lower Global Warming Potential (GWP): only 1/3rd of R-410A
› Lower refrigerant charge: 15% less compared to R-410A
› Higher energy efficiency
› Single component refrigerant, easy to handle and recycle



Potential global warming impact

-71%

potential global warming impact

Only 2 energy transfer steps

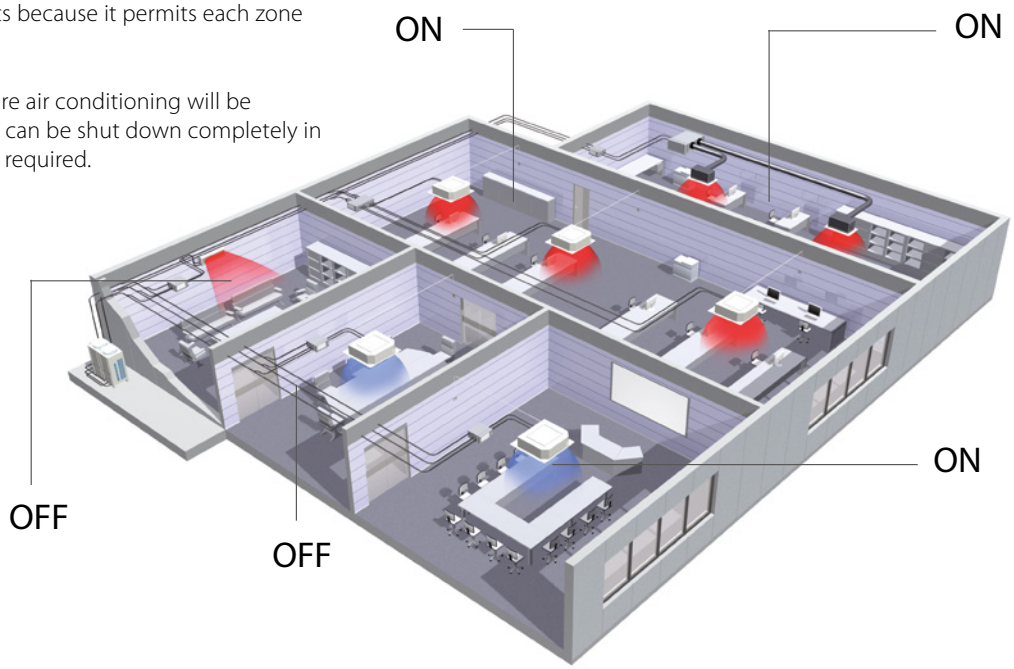
› Maximised efficiency thanks to direct expansion (DX) technology
› Running costs of a water-based fan coil unit can be 40 to 70% higher compared to a VRV heat recovery system

Air › Refrigerant › Air

Precise zone control

VRV systems have low running costs because it permits each zone to be controlled individually.

That is, only those rooms that require air conditioning will be heated or cooled, while the system can be shut down completely in rooms where no air conditioning is required.



Variable refrigerant temperature

The biggest leap since the inverter compressor

Thanks to its revolutionary variable refrigerant temperature technology (VRT), VRV continuously adjusts both the inverter compressor speed and the refrigerant temperature in cooling AND heating, providing the necessary capacity to meet the building load with the highest efficiency at all times!

- **Seasonal efficiency increased by 28%**
- **The first *weather accommodating control* on the market**
- **Customer comfort is assured thanks to higher outblow temperatures (preventing cold draughts)**

How does it work?

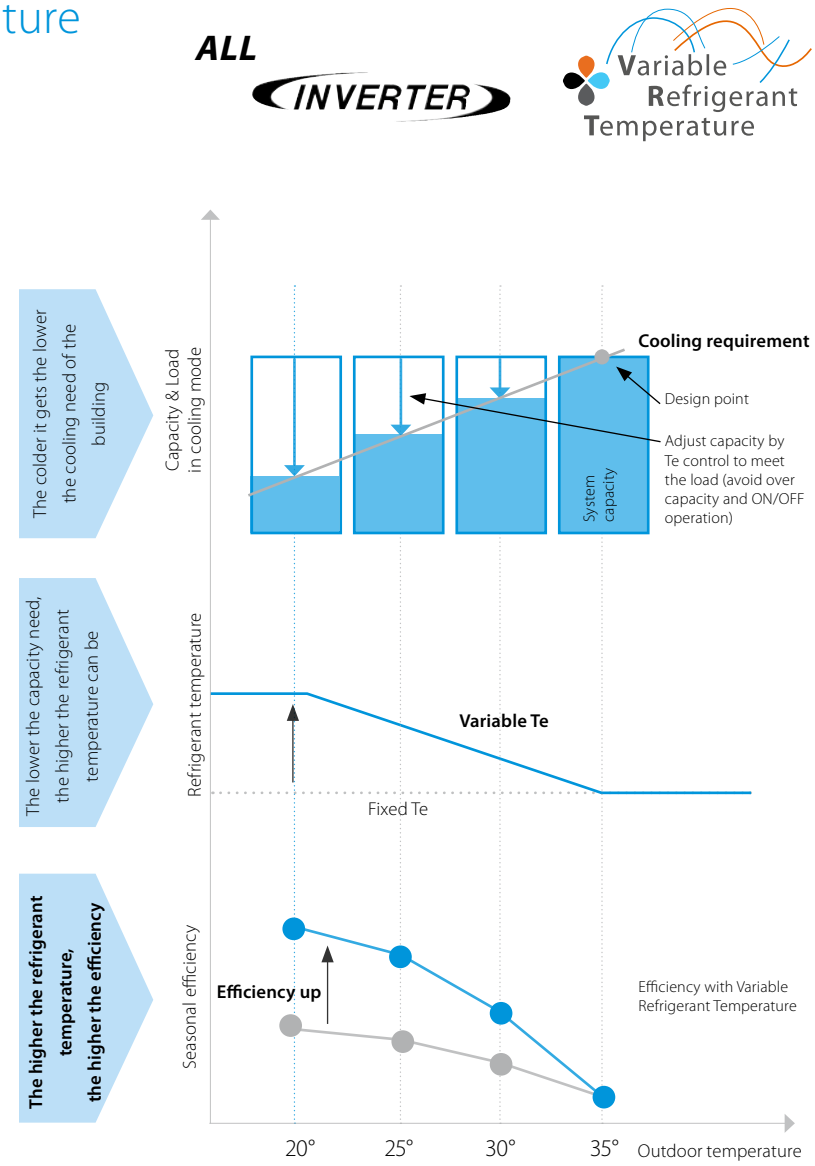
VRF standard
Capacity is controlled only with the variation of the inverter compressor.

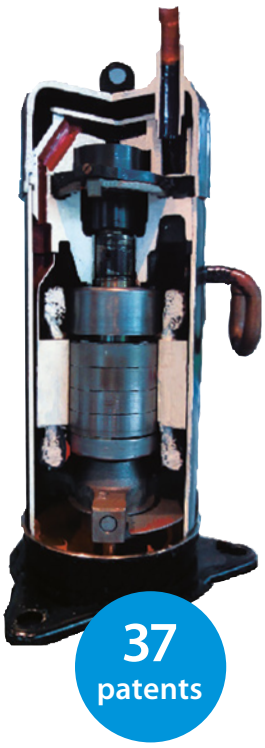
Daikin VRV

Variable Refrigerant Temperature control for energy saving in partial load condition.

The capacity is controlled by the inverter compressor and variation of the evaporating (Te) and condensing (Tc) temperature of the refrigerant in order to achieve the highest seasonal efficiency.

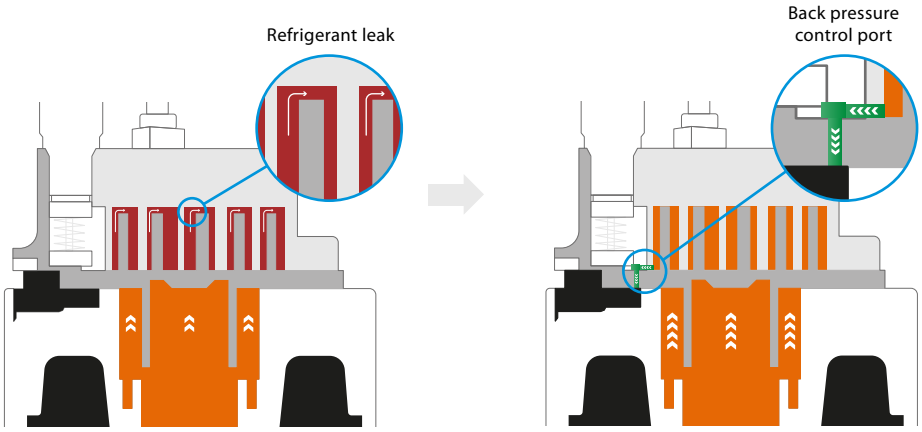
Evaporating temperature can vary between 3 and 16° which is the widest on the market.





Inverter scroll compressor with back pressure control

› Pressure port increases pressure below the scroll in low load operation, preventing refrigerant leak from the high to low pressure side
› Increased partial load efficiency



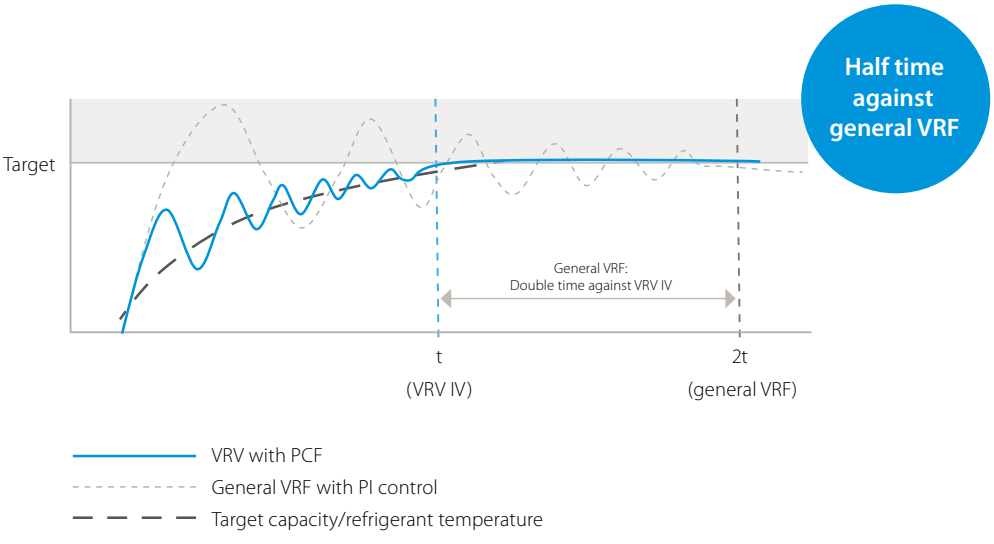
During low load, weak pressure is applied resulting in refrigerant leakage.

The back pressure control port sends high pressure refrigerant to the back of the scroll ensuring optimum pressure on the scroll.

Predictive Control Function (PCF)

› Reaching targets faster
› Reaching targets without overshooting, so there is no waste, resulting in improved efficiency

The large number of Daikin systems already in operation and which are monitored by our Daikin Cloud Service put us in the unique position of being able to analyse this data and develop the predictive control function.



DC fan motor

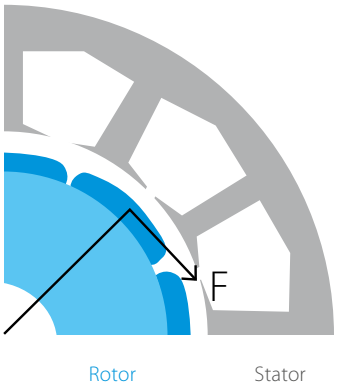
Outer rotor DC motor for higher efficiency

› Larger rotor diameter results in greater force for the same magnetic field, leading to better efficiency
› Better control, resulting in more fan steps to match the actual capacity

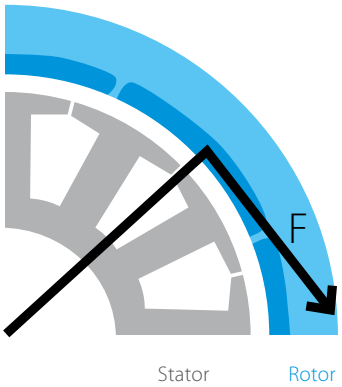
Sine wave DC inverter

Optimizing the sine wave curve results in smoother motor rotation and improved motor efficiency.

Conventional motor with inner rotor



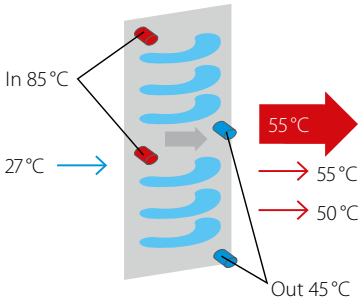
Daikin outer rotor



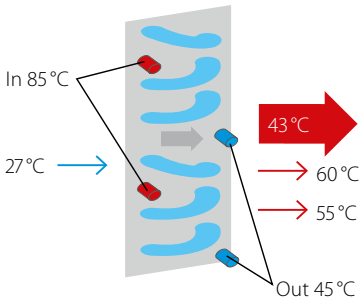
E-Pass heat exchanger

Optimising the heat exchanger's path layout prevents heat being transferred from the overheated gas section to the sub-cooled liquid section which is a more efficient way to use the heat exchanger.

Standard heat exchanger

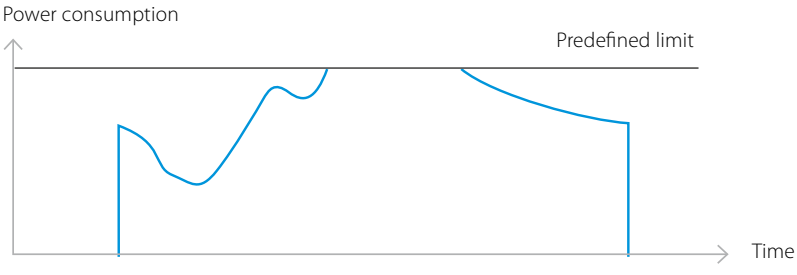


e-Pass heat exchanger



I-demand function

Limit maximum power consumption. The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.



Top reliability

- Most extensive testing before new units leave the factory
- Designed to perform

Duty Cycling extends operation life

The cyclical start-up sequence of multiple outdoor units systems equalises compressor duty and extends operating life.

Back-up function

In the event of a compressor malfunction another compressor or outdoor unit will take over in order to maintain 8 hour interim capacity, allowing time for maintenance or repair while comfort remains guaranteed.

Single outdoor unit with multiple compressors

Multi outdoor unit system

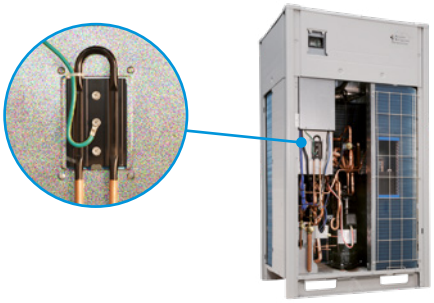
Auto-cleaning filters

Auto cleaning filters enhance reliability thanks to clean air filters all the time.

Additionally clean filters reduce running costs and improve indoor air quality.

Refrigerant-cooled PCB

› Reliable cooling because it is not influenced by ambient air temperature
› Smaller switchbox for smoother air flow through the heat exchanger increasing heat exchange efficiency with 5%

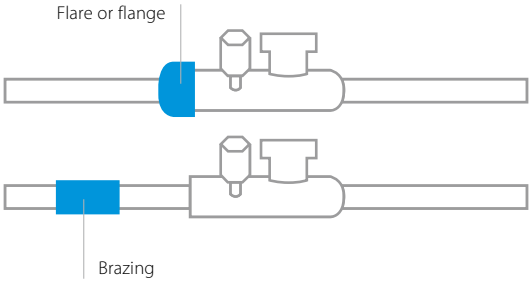


Sequential Start

Up to 3 outdoor units can be connected to 1 power supply and can be turned on sequentially. This allows the number of breakers and their capacities to remain small and simplifies wiring (for models of 10HP or less).

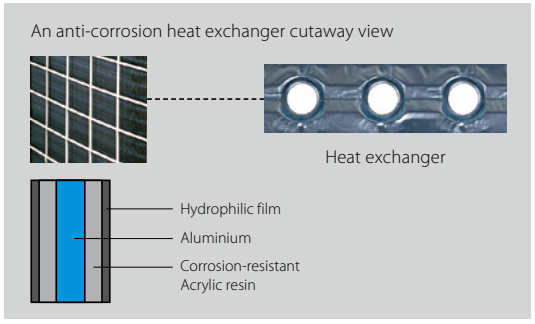
Only brazed connections

All flange and flare connections inside the unit have been replaced by brazing connections to ensure improved refrigerant containment.
Also the connection of the outdoor in the main pipe is brazed.



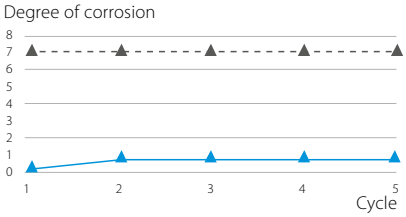
Anti Corrosion Treatment

Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion. The provision of rust proof steel sheet on the underside of the unit gives additional protection.



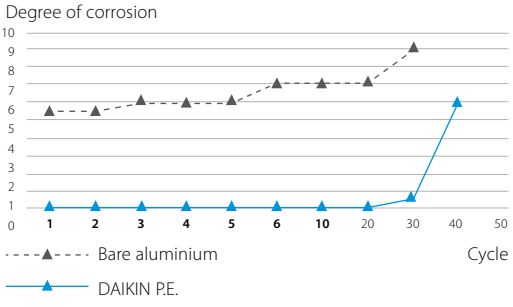
Performed tests:

› **VDA Wechseltest**
› Contents of 1 cycle (7 days):
› 24 hours salt spray test SS DIN 50021
› 96 hours humidity cycle test KFW DIN 50017
› 48 hours room temperature & room humidity testing period: 5 cycles



Kesternich test (SO2)

› contents of 1 cycle (48 hours) according to DIN50018 (0.21)
› testing period: 40 cycles



Comfort guaranteed
at all times

Continuous heating during defrost mode

VRV continues to provide heating even when in defrost mode, providing an answer to any perceived disadvantages of specifying a heat pump as a monovalent heating system.

› Continuous indoor comfort ensured by the heat accumulating element and alternate defrost
› An innovative alternative to traditional heating systems

How does it work?

UNIQUE

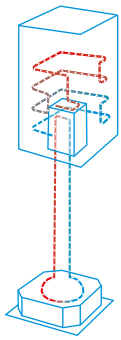
Heat accumulating element

For the VRV IV+ heat pump single unit systems a unique heat-accumulating element is used. This element, based upon phase change material, provides the energy to defrost the outdoor unit.

The outdoor unit coil is defrosted …

… with the energy stored in the heat accumulating element …

… so a comfortable temperature is maintained indoors.



Available on: RYYQ8-20U
Water cooled VRV has no defrost cycles

Alternate defrost

On all our multi unit systems only 1 outdoor coil is defrosted at a time, ensuring continuous comfort during the whole process.

the outdoor unit coil is defrosted …
… one at the time …
… so a comfortable temperature is maintained indoors

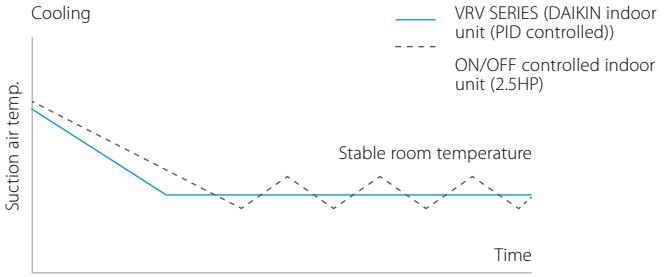
Available on: REYA10-28A, REYQ10-54U, RYYQ16-54U, RXYQQ16-42U and RQCEQ280-848P3

Smart Control brings comfort

Stable room temperature

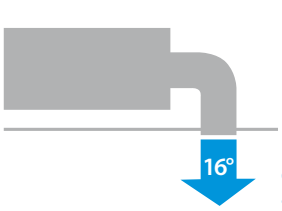
An electronic expansion valve continuously adjusts the refrigerant volume in respond to load variations of the indoor units. The VRV system thus maintains comfortable room temperatures at a virtually constant level, without the temperature variations typical of conventional ON/OFF control systems.

Note: the graph shows the data, measured in a test room assuming actual heating load. The thermostat can control stable room temperature at ± 0.5°C from set point.



No more cold draught

Automatic or manual adjustment of refrigerant temperature leads to higher outblow temperatures which avoid the cold draught coming from the indoor unit.

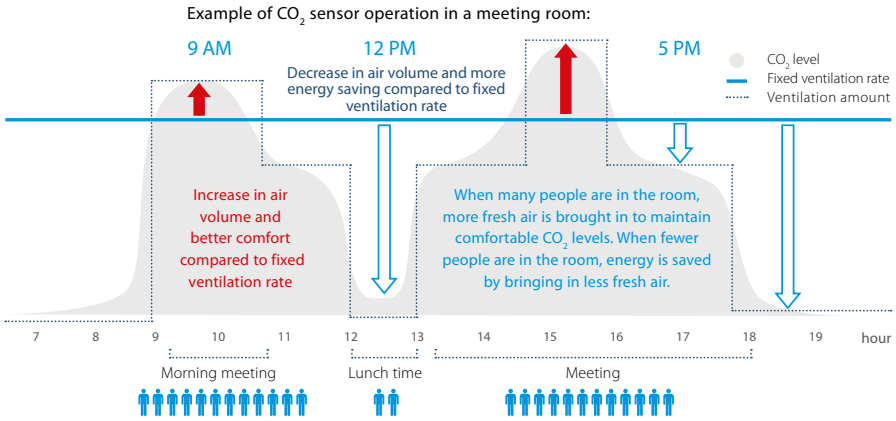


Variable Refrigerant Temperature

Constant and high air discharge temperature

Ensure optimal IAQ using CO_2 sensors

Enough fresh air is needed to create an enjoyable environment, but ventilating constantly is leading to energy waste. Therefore an optional CO_2 sensor regulates the ventilation system to provide the needed fresh air to the room, avoiding over-ventilation and saving energy.



Low operation sound level

Whisper quiet indoor units

Daikin indoor units have very low sound operation levels, **down to 19dB(A),** making them ideal for sound sensitive area's as hotel bedrooms, etc.

19dB(A)

Connectable to RYYQ-U, RXYQ-U, RXYSCQ-TV1, RXYSQ-TV9/TY9, RXYLQ-T, RWEYQ-T9

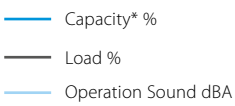
25.5dB(A)

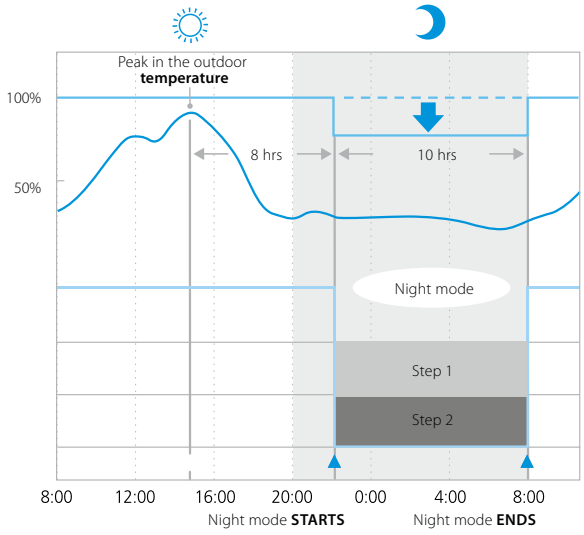
Connectable to all VRV heat pumps

Outdoor unit sound reduction

For areas where there are stringent limitations to sound levels, the outdoor unit sound level can be automatically reduced to meet the requirement.

To manually set set the time for low noise operation you can use the external control adaptor DTA104A61/62/53.





Example for VRV IV heat pump, factory setting.

Sound enclosure for VRV5

EKLN140A

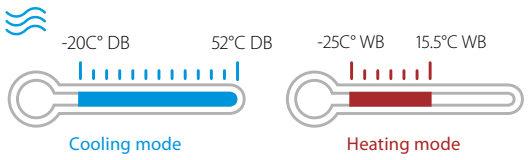
- Sound reduction up to -10 dB(A) on Sound Power values
- Dedicated Daikin option for VRV 5 RXYSA
- Fully optimized and tested in Daikin Factory for guaranteed performance
- Very low capacity and pressure drop thanks to separated air intake and discharge
- Fast and easy installation & servicing

Great design flexibility

Wide operation range

Air cooled

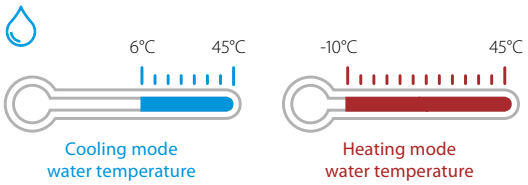
The VRV system can be installed practically anywhere. VRV air cooled outdoor units can cool between -20°C BD and +52°C DB outdoor ambient and can be used as monovalent heating system between -25°C WB and +15.5°C WB.



With the technical cooling function, the operation range in cooling of the VRV IV+ heat recovery system is extended from -5°C to -20°C, making it perfect for integrating server rooms.

Water cooled

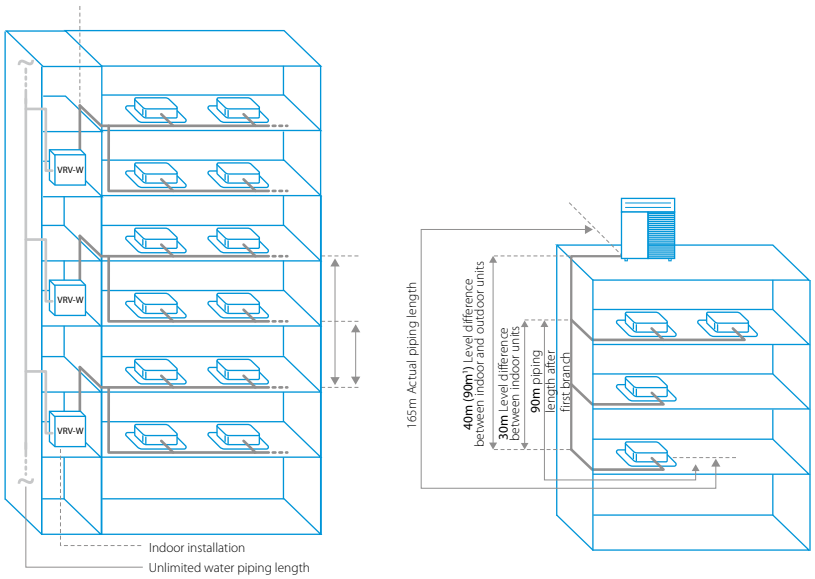
Standard water cooled outdoor units operation between 10°C and 45°C for both heating and cooling. In geothermal mode, the operation range is extended to -10°C* during heating and 6°C during cooling. These units are not influenced by external conditions and function well in extreme climates.



* Ethylene glycol should be added to the water when the water inlet temperature is below 5°C.

Flexible piping design

The long piping lengths, high level differences and small refrigerant piping allows for a design with little limitations and leaving maximum space for lettable space.



Example

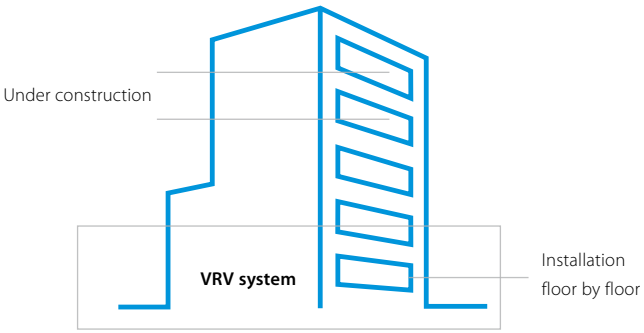
	Air cooled	Water cooled
Total piping length	1,000 m	500 m
Longest length actual (Equivalent)	165 m (190 m)	165 m (190 m)
Longest length after first branch	90 m[1]	40 m (90 m[1])
Level difference between indoor and outdoor units	90 m[1]	50 m (40 m[2])
Level difference between indoor units	30 m	30 m

[1] Contact your local dealer or consult technical literature for more information and restrictions

[2] In case outdoor unit is located below indoor units

Phased installation

Installation of the VRV system can be implemented floor by floor, so that sections of the building can be put into use very quickly, or enabling the air conditioning system to be commissioned and operated in stages, rather than on final completion of the project.



Indoor installation

Air cooled

Standard outdoor unit installed indoors
The VRV optimised fan blade shape increases output and reduces pressure loss. Together with the **high ESP setting (up to 78.4 Pa)**, it makes VRV outdoor units ideal for indoor installation using ducts.

VRV IV i-series heat pump for indoor installation
The ultimate and unique solution from Daikin is to use the VRV IV i-series. This unit is optimised for indoor installation and is the most flexible solution, without the need for a large technical room to put the outdoor unit and it is complete invisible!

Water cooled

› Seamless integration in the surrounding architecture as you cannot see the unit
› Highly suited for sound sensitive areas as there is no external operation sound
› Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation

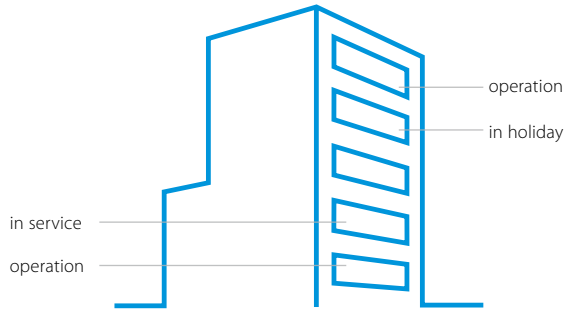
Multiple tenants, one outdoor unit

The multi tenant function ensures that the entire VRV system does not shut down when the main power supply of an indoor is switched off.

This means that the indoor unit's main power supply can be turned off when a part of the building is closed or is being serviced without affecting the rest of the building.

2 solutions according to the needs:

› Service setting, without additional hardware: for service execution within 24 hours
› PCB option: when tenants leave for a longer period (holiday) and the main power supply is shut down



Compact and light

No structural reinforcement necessary

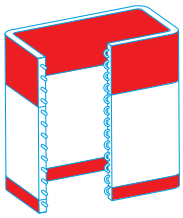
Thanks to the vibration-free and sufficient light construction of the outdoor units, floors do not need to be reinforced, reducing the overall cost of the building.

Up to 29% less space required compared to traditional water-based systems, offering more lettable space

maximum
378 kg
for a 20HP unit

4-sided, 3-row heat exchanger

Thanks to the large surface of the heat exchanger (up to 235 m^2) VRV units are compact, light and highly efficient.



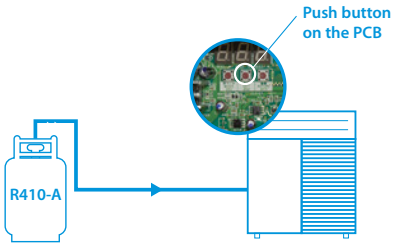
surface up to
235 m^2

Fast installation and commissioning

Easy servicing

Automatic charging & testing

After charging, pushing the test operation button initiates a check on the wiring, shut off valves, sensors and refrigerant volume.



If the temperature drops below 20°C* manual charging is necessary.
* 10°C for heat pump for cold regions
* Available on REYQ-U, RYYQ-U, RXYQ-U, RQYQ-P, RXYQQ-U, RQCEQ-P3

Did you know?

OPTIMAL CHARGE = OPTIMAL EFFICIENCY

Planned installation
64 m refrigerant piping
calculation: **2.2 kg** extra refrigerant required

0.5 kg

Real installation
76 m refrigerant piping
2.7 kg extra refrigerant required in reality

10% undercharged
↓
up to 25% capacity loss
↓
33% more energy use

Easy compliance to F-gas regulation

No leak check requirement

For the majority of VRV 5 S-series no leak check is needed as the total CO_2 eq. of the system is below 5 tonnes (total charge up to 7.4 kgs).

Remote refrigerant containment check

For systems with a total CO_2 eq. above 5 tonnes the refrigerant containment check can be done remotely via the intelligent Touch Manager.

Remotely set the time and start the refrigerant containment check when it is most convenient for you.

Connect to customer site via internet or 3G increasing customer satisfaction as there is no disruption to the air conditioning during business hours.

Check the report once the check has been done.

Available on REYQ-U, RYYQ-U, RXYQ-U. Next to remote checking, the function can also be activated on-site via a push button on the PCB.

When activating the refrigerant containment check, the unit switches into cooling mode and duplicates certain reference conditions based on memory data. The result indicates whether or not refrigerant leakage has occurred.

The refrigerant volume of the complete system is calculated based on the following data:
- Outdoor temperature
- Reference system temperatures
- Reference system pressures
- Refrigerant density
- Types and number of indoor units

7-segment display

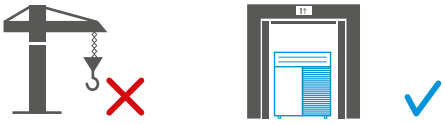
for quick and accurate error diagnosis

Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.

7 segment display and configurator available on: REYA-A, REYQ-U, RYYQ-U, RXYQ-U, RXYQQ-U. Only configurator available on: RXYSA-AV1/AY1, RXYSCQ-TV1, RXYSQ-TV9/TY9/TY1, SB.RKXYQ-T(8).

Compact design

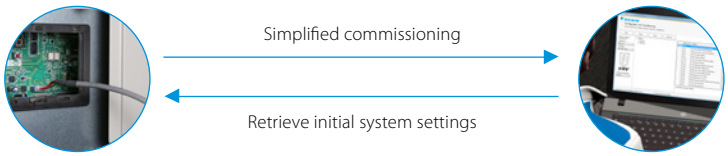
The compact design of the outdoor units is sufficient to allow them to be taken up to the top of a building in a commercial elevator, overcoming site transportation problem, particularly when outdoor units need to be installed on each floor.



VRV Configurator

Software for simplified commissioning, configuration and customisation

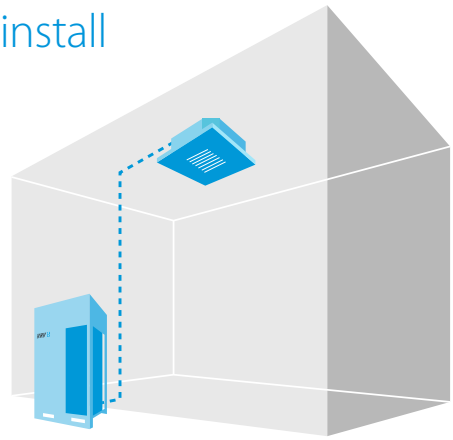
› Graphical interface
› Manage systems over multiple sites in exactly the same way
› Retrieve initial settings



User friendly interface instead of push buttons

Quick and easy to install

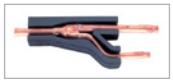
› All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)



Daikin unified REFNET piping

The unified Daikin REFNET piping system is designed for simple installation.

Daikin Europe N.V. advises only to use Daikin REFNET piping system.



REFNET joint

REFNET header

Easy wiring

Simplified wiring

Shared use of wiring between indoor units, outdoor units and centralised remote control
› Easy retrofit of centralised remote control
› Impossible to make incorrect connections thanks to non polarity wiring
› Sheated wire can be used

Cross wiring check

The cross wiring check function warns operatives of connection errors in inter unit wiring and piping.

Auto Address Setting Function

Wiring can be done without the need of manually setting each address.

* auto adress setting fuction is not available for centralized operation

VRV 5

R-32 BLUEVOLUTION

Continuing our path to lower CO_2 equivalent solutions

VRV 5 S-series

VRV 5 Heat Recovery

VRV 5 Heat Pump

Support the decarbonisation of commercial buildings

Market-leading seasonal efficiency makes VRV5 more sustainable over it's entire lifecycle, reducing the indirect CO_2 eq. impact

Specifically built for lower GWP R-32 refrigerant, greatly reducing the reducing the potential direct CO_2 impact with 71% compared to R-410A systems

The perfect partner for BREEAM, LEED and other green building schemes

Ultra-flexible climate control

Known R-410A piping flexibility to tackle any building

Widest range of dedicated R-32 indoor units on the market

Integrates HRV ventilation units

Connectable to all known Daikin smart controls, including Onecta app

5 low sound steps

High ESP fans allowing concealed installation

VRV 5 outdoor unit overview

Capacity class (kW)

Model			Product name		4	5	6	8	10	12	14	16	18	20	22	24	26	28	VRV indoor units	Residential indoor units	Hydrobox	HRV units VAM	HRV units EKVDX	AHU connection	Air curtains	Remarks
Cooling Capacity								22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.4	73.5	78.5								
Heating Capacity								25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0	82.5	87.5								
Air-cooled heat recovery	NEW & UNIQUE VRV 5 heat recovery	› Reduced CO_2 equivalent thanks to the use of lower GWP refrigerant R-32 › Top sustainability over the entire lifecycle › ‚Free' heating through heat recovery › Tackle small room applications thanks to Shîrudo Technology › The perfect personal comfort thanks to simultaneous cooling and heating	REYA-A					●	●	●	●	●	●	●	●	●	●	●	○			○	○	NEW ○	NEW ○	
Air – cooled heat pump	UNIQUE VRV 5 S-series	› Reduced CO_2 equivalent thanks to the use of lower GWP refrigerant R-32 › Top sustainability over the entire lifecycle › Unique low -height single fan range › Tackle small room applications thanks to Shîrudo technology	RXYSA-AV1/AY1	1~	●	●	●												○			○	○	NEW ○	NEW ○	› Standard total system connection ratio limit: 50 ~ 130%
				3~	●	●	●																			

● Single unit, ● Multi combination

Sound enclosure for VRV5 S-series

-10dB(A)!

- Specially designed for VRV 5
- Fully optimized and tested in Daikin Factory
- Outdoor unit sound reduction up to -10 dB(A) on Sound Power values
- Very low capacity and pressure drop
- Fast & easy installation & servicing

Branch selector (BS box) overview

Capacity class

Model		Product name	4	6	8	10	12
Multi port BS box	› Unique range of Branch Selector boxes integrating Shîrudo Technology	BS-A14AV1B	●	●	●	●	●

SHÎRUDO TECHNOLOGY

Shîrudo Technology truly sets VRV 5 apart

- Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
- Factory-integrated refrigerant control measures make the VRV 5 quick and flexible to design without the need for complex and time consuming calculations
- For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration

VRV 5

"A landmark project meeting the highest standards, the Meylan Arteparc sets the bar for designing future-proof buildings that consistently deliver on energy performance and comfort"

Arteparc office complex

Daikin VRV heat pumps contribute to low carbon footprint and is awarded with the HQE excellent label

HQE
THE WAY TO PROGRESS

The new Arteparc commercial complex situated in the Inovallee tech park in Meylan, Grenoble demonstrates how developers and equipment manufacturers are working together to deliver new low-carbon buildings that align with the highest standards of sustainable development.

This large new commercial complex comprises over 25,000m^2 of floor space, spread over six buildings.

The first three have now been completed using Daikin's low carbon VRV heat pumps. The project is distinguished by its high-quality design and construction, built to achieve BBC Effinergie E2C-1 certification and comply with the French RE2020 regulations, which are aimed at reducing both energy consumption and the lifetime carbon impact of new buildings.

Daikin's VRV5 solution was selected by ARTEA to provide comfortable climate control with a low carbon footprint to assist in achieving the HQE excellent certification.

The collaboration between the ARTEA Group, the Ingégroup design office, installer Climacool and Daikin technical management, was essential to the successful outcome of this project. Close cooperation ensured that system performance was optimised to meet the high standards of the ARTEA Group, as well as the building requirements and user experience. The system will be monitored in order to further optimise the energy efficiency of the VRV solution.

Hotel St. Annen

sustainable retrofit

- Retrofit in just 3.5 weeks
- Individual room heating or cooling
- VRV 5's compact size and low noise operation minimise visibility and disturbance in the densely populated residential neighbourhood
- Intuitive touch control for guests with central monitoring for staff to optimise energy efficiency

"The Daikin system completely met our expectations for advanced energy efficiency and quiet technology. In addition, the system allowed individual air-conditioning for the guest bedrooms."

MARCUS VAN RIESEN, HOTEL MANAGER

Zome Central hub with multi use offices

- For the Zome HUB flexibility was key to allow different type of occupation and use of the co-working space
- A sustainable system was essential to align with the brand values
- Zome's city centre location meant the outdoor units could not be higher then 1 meter to remain invisible once installed
- VRV design software ensured the selected equipment complies to the IEC product standard

"The VRV 5 system was a natural choice for Zome: technologically superior, the system delivers higher energy efficiency while offering environmental stability, contributing to a better climate for our planet."

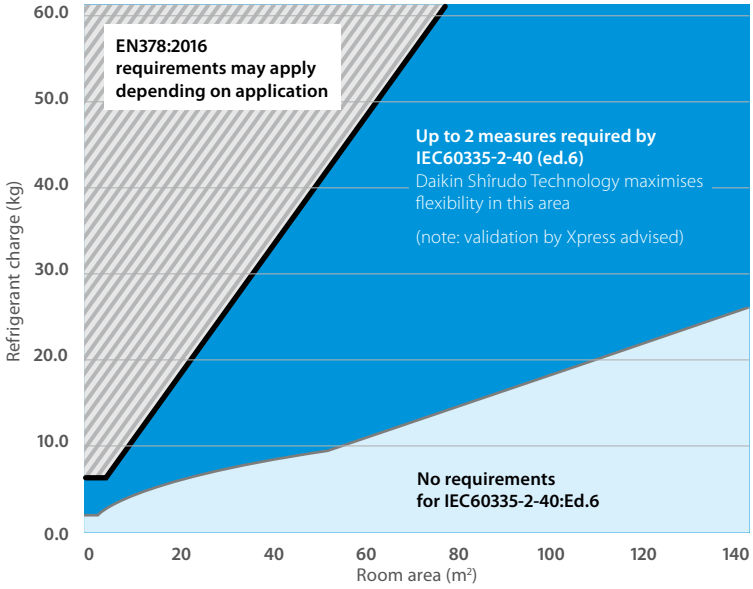
More cases at: https://www.daikin.eu/en_us/about/case-studies.html

Did you know …

different standards regarding safety exist?

Refrigerants can be classified according to 2 safety groups:
› Flammability (1, 2L, 2, 3): covered by the specific heat pump standard **IEC60335-2-40 (Ed. 6)** as it prevails over EN378:2016
› Toxicity (A or B): covered by the generic standard on refrigerants **EN378:2016.**

Shîrudo Technology focuses on offering maximum flexibility within the IEC60335-2-40 (Ed.6) requirements as limitations for flammability of A2L refrigerants are stricter than the ones for toxicity.

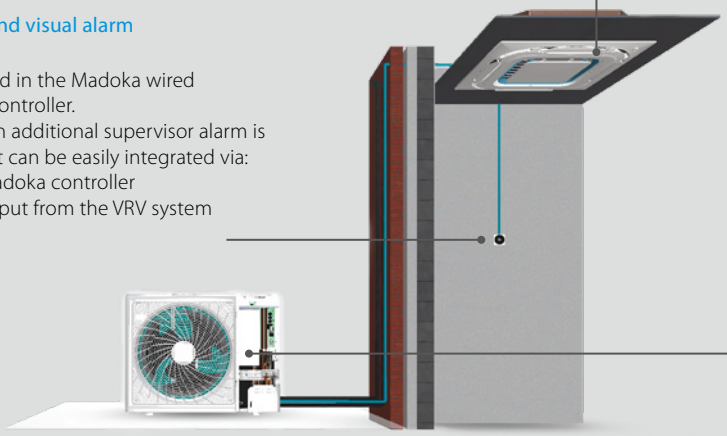


Example for VRV 5 S-series

Integrated sensors to detect refrigerant leak.
Leak detection activates:

1 Audible and visual alarm

› Integrated in the Madoka wired remote controller.
› In case an additional supervisor alarm is needed it can be easily integrated via:
  › The Madoka controller
  › An output from the VRV system



2 Refrigerant recovery and shut-off valves

› Refrigerant is automatically recovered to the outdoor unit.
› After recovery, shut-off valves close and the refrigerant is safely contained.

Peace of mind

SHÎRUDO TECHNOLOGY

With Shîrudo Technology, Daikin ensures compliance to the product standard IEC60335-2-40 (Ed. 6) for indoor units. With factory-integrated refrigerant control measures, these systems are also the quickest and most flexible to design.

There is **no need for complex and time consuming calculations**, even for small room applications. And BSSV boxes come with a ventilated enclosure for quick and simple integration of any potential additional measures – making installation in demanding spaces easier than ever.

For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration.

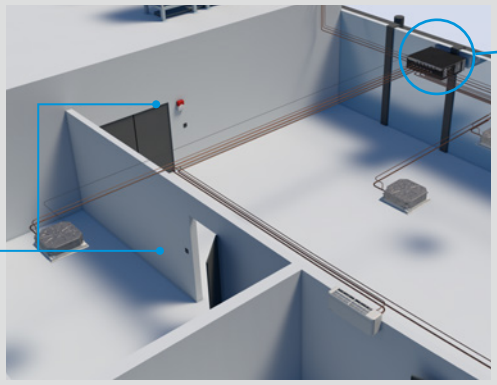
Refrigerant control measures factory-integrated

Shîrudo Technology includes 2 factory measures and sensors built into a VRV 5 system.

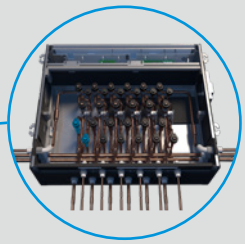
Integrated sensors to detect refrigerant leak.
Leak detection activates:

1 Audible and visual alarm

› Integrated in the Madoka wired remote controller
› In case an additional supervisor alarm is needed it can be easily integrated



Example for VRV 5 Heat Recovery



2 Refrigerant recovery and shut-off valves

› Shut off valves of the affected refrigerant branch are closed, containing the leak
› The rest of the system remains in operation

Compliance taken care of

› No study or calculations needed on where and how to install outdoor or indoor units.
› No need for studies to decide if and what safety measures are required.
› Third party CB certified by a notified body (SGS CEBEC).

Automatic, real time leak detection and refrigerant containment controls

› Fully compliant to product standard (IEC60335-2-40 (Ed.6)), reducing the risk of direct CO_2 eq. impact from a refrigerant leak.
› Real time leak detection sensors, triggering refrigerant containment measures in the unlikely event of a leak.
› No leak check requirement for majority of VRV 5 S-series installations (up to 7.4 kg of refrigerant charge) and reduced intervals of leak check for bigger installations.

(1) Refer to Xpress selection software to ensure compliance to specific product standard.
Field supplied duct and fan may be be required to install the BS box in very small spaces.

Check out the Shîrudo Technology video!

Purpose-built
to support the
decarbonisation of
commercial buildings

VRV 5 Heat Recovery

Greatly reducing the CO_2 footprint of buildings

› Lower GWP R-32 refrigerant
› Market-leading, real life seasonal efficiency
› Highly efficient 3-pipe heat recovery

Maximum design flexibility

› Installation in rooms down to 10 m² without any additional measures thanks to **Shîrudo technology**
› Easy to select thanks to VRV Xpress floorplan support
› Completely redesigned BSSV boxes for faster installation and easier servicing

Market-leading portfolio

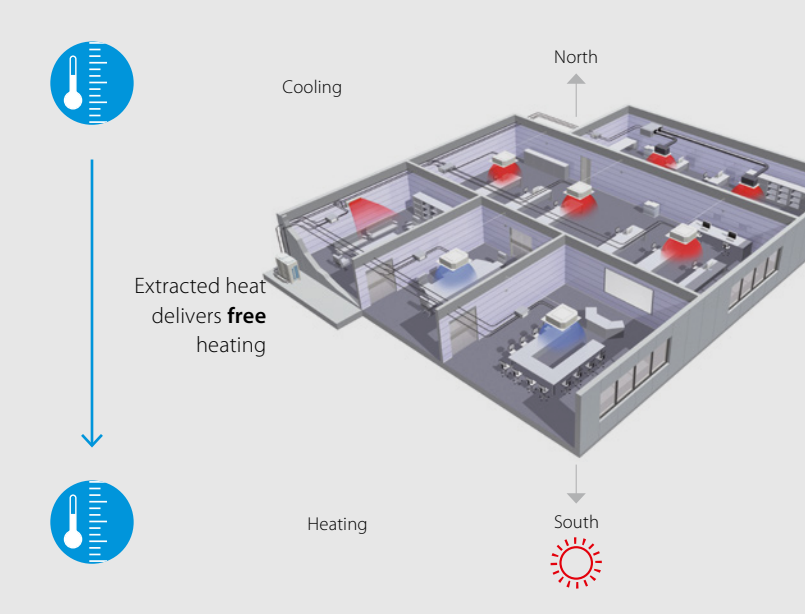
› Widest range of dedicated R-32 VRV outdoor and indoor units in the market!
› Control IAQ with integration of ventilation units

Advantages

of 3-pipe technology

“Free” heat available

An integrated heat recovery system reuses heat from offices and server rooms to warm other areas, minimizing heat waste



Maximum comfort

A VRV heat recovery system allows simultaneous cooling and heating.

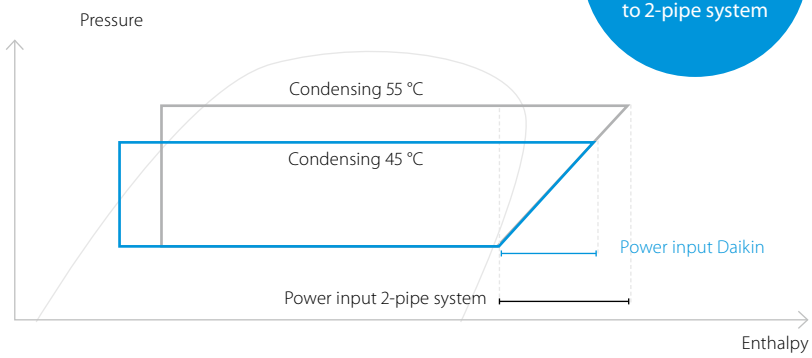
› For hotel guests, this means they can freely choose between cooling or heating to create the perfect environment.
› For offices, it means a perfect working indoor climate for both north and south-facing offices.

More “free” heat

Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.

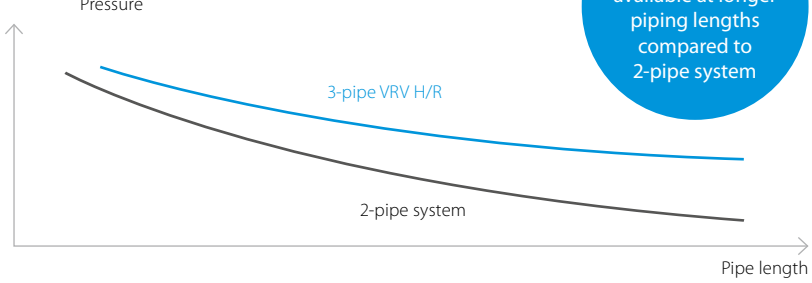
5 to 15 % more efficient in heat recovery mode compared to 2-pipe system



Lower pressure drop means more efficiency

› Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
› Disturbed refrigerant flow in large gas pipe on 2-pipe system results in larger pressure drop

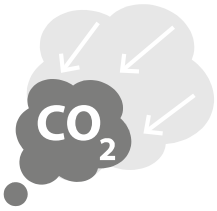
Up to 5 % more cooling capacity available at longer piping lengths compared to 2-pipe system



VRV 5 Heat Recovery

Purpose-built to support the decarbonisation of commercial buildings

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Single component refrigerant, easy to re-use and recycle
- Greatest sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- "Free" heating through efficient 3-pipe heat recovery, transferring heat from areas requiring cooling to areas requiring heating
- Tackle small room applications without any additional measures, thanks to Shîrudo Technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency
- Simultaneous cooling and heating for the perfect personal comfort of guests/tenants
- Like for like R-410A installation flexibility with piping lengths up to 165 meters and a total length of 1,000 meters
- Sound pressure down to 40 dB(A) thanks to 5 low sound steps
- ESP up to 78 Pa to allow ducting
- Wide operation range of up to +46°C in cooling and down to -20°C in heating
- Incorporates VRV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB



Lower CO_2 equivalents

5 low sound steps

More details and final information can be found by scanning or clicking the QR codes.

REYA-A

Outdoor unit				REYA	8A	10A	12A	14A	16A	18A	20A
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
Heating capacity	Prated,h			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4x FXFA50A2VEB	4x FXFA63A2VEB	6x FXFA50A2VEB	1x FXFA50A2VEB + 5x FXFA63A2VEB	4x FXFA63A2VEB + 2x FXFA80A2VEB	3x FXFA50A2VEB + 5x FXFA63A2VEB	2x FXFA50A2VEB + 6x FXFA63A2VEB
ηs,c				%	290.8	282.6	285.3	306.1	281.0	280.6	262.2
ηs,h				%	161.5	170.2	176.4	168.3	167.5	172.5	162.7
SEER					7.35	7.14	7.21	7.73	7.10	7.09	6.63
SCOP					4.11	4.33	4.49	4.28	4.26	4.39	4.14
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	213			296		319	
Sound power level	Cooling	Nom.		dBA	78.3	78.8	82.5	78.7	83.7	83.4	87.9
Sound pressure level	Cooling	Nom.		dBA	56.3	58.0	60.8	58.1	61.4	63.0	67.0
Operation range	Cooling	Min.~Max.		°CDB	-5 ~46						
	Heating	Min.~Max.		°CWB	-20 ~16						
Refrigerant	Type/GWP				R-32/675.0						
	Charge			kg/TCO2Eq	9.00/6.08			10.6/7.16			
Piping connections	Liquid	OD		mm	9.52		12.70				
	Gas	OD		mm	19.1		22.2				28.6
	HP/LP gas	OD		mm	15.90		19.10				22.20
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Completely redesigned BSSV boxes for faster installation and easier servicing

Widest R-32 VRV range in the market

Outdoor unit System				REYA	10A	13A	16A	18A	20A	22A	24A	26A	28A
System	Outdoor unit module 1				REMA5A			REYA8A		REYA10A	REYA8A	REYA12A	
	Outdoor unit module 2				REMA5A	REYA8A		REYA10A	REYA12A		REYA16A	REYA14A	REYA16A
Capacity range				HP	10	13	16	18	20	22	24	26	28
Cooling capacity	Prated,c			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
Heating capacity	Prated,h			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
	Max.	6°CWB		kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5
Recommended combination					4x FXFA63A2VEB	3x FXFA50A2VEB + 3x FXFA63A2VEB	4x FXFA63A2VEB + 2x FXFA80A2VEB	4x FXFA50A2VEB + 4x FXFA63A2VEB	10x FXFA50A2VEB	6x FXFA50A2VEB + 4x FXFA63A2VEB	4x FXFA50A2VEB + 4x FXFA63A2VEB + 2x FXFA80A2VEB	7x FXFA50A2VEB + 5x FXFA63A2VEB	8 x FXFA63A + 8 x FXSA63A + 8 x FXMA63A
ηs,c				%	301.9	296.5	293.0	287.5	287.6	283.6	283.4	296.2	282.8
ηs,h				%	160.6	161.5	170.9	170.5	172.2	173.3	165.2	172.0	171.5
SEER					7.62	7.49	7.40	7.26	7.27	7.17	7.16	7.48	7.15
SCOP					4.09	4.11	4.35	4.34	4.38	4.41	4.20	4.38	4.36
Maximum number of connectable indoor units					64								
Indoor index connection	Min.				125	163	200	225	250	275	300	325	350
	Max.				325	423	520	585	650	715	780	845	910
Piping connections	Liquid	OD		mm	9.52	12.70						15.90	
	Gas	OD		mm	19.1	22.2			28.6				
	HP/LP gas	OD		mm	15.90	19.10			22.20				
	Total piping length	System	Actual	m	500					1,000			
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)			A	40			50		63			

Outdoor unit module				REMA	5A
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765	
Weight	Unit		kg	213	
Fan	External static pressure	Max.	Pa	78	
Sound power level	Cooling	Nom.	dBA	78.3	
Sound pressure level	Cooling	Nom.	dBA	56.3	
Operation range	Cooling	Min.~Max.	°CDB	-5 ~46	
	Heating	Min.~Max.	°CWB	-20 ~16	
Refrigerant	Type/GWP			R-32/675.0	
	Charge		kg/TCO2Eq	9.00/6.08	
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	20	

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases| * EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

NEW BS-A14AV1B

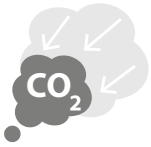
Multi branch selector (BSSV) for VRV 5 Heat Recovery

Specifically developed for lower GWP R-32

› **Reduced CO_2 equivalent** thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge

› Unique range of multi BS boxes allowing **efficient 3-pipe** heat recovery

› No limitation on room size, thanks to **Shîrudo Technology** (1)
The integrated shut-off valves in the BSSV box ensure that in case of a refrigerant leak only the specific branch is closed off.



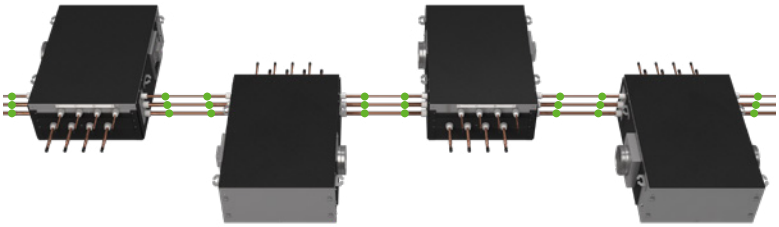
Reduced CO_2 equivalent

Flexibility to take care of every room

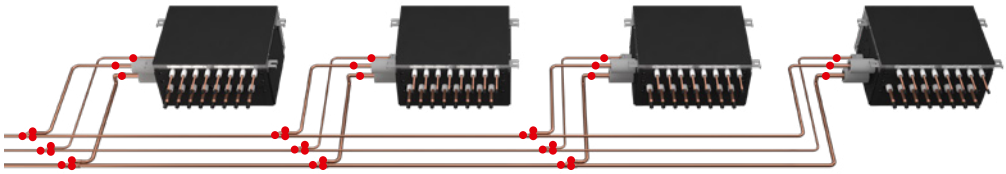
Completely redesigned for faster installation and easier servicing

› Faster installation thanks to **Refrigerant Flow Through** reducing the number of brazing points and joint kits

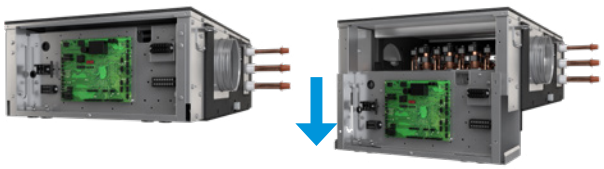
VRV 5: only 24 brazings point and no joint kits



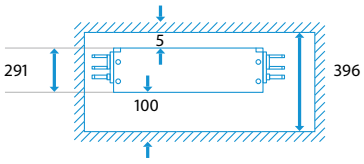
VRV 5: 39 brazing points and 3 joint kits



› Easy servicing in false ceillings thanks to **sliding down PCB**



› Limited ceiling void required as the box can be installed at just 5mm from the ceiling



(1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces

- Unique range of multi BS boxes allowing efficient 3-pipe heat recovery
- NEW No limitation on room size, thanks to Shîrudo Technology (1)
- NEW Faster installation thanks to Refrigerant Flow Through reducing the number of brazing points and joint kits
- NEW Easy servicing in false ceilings thanks to sliding down PCB
- NEW Limited ceiling void required as the box can be installed at just 5mm from the ceiling
- NEW Quick on-site settings, indication of service parameters and easy read out of errors thanks to 7 segment display
- Up to 16kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation
- Faster installation thanks to open port connection
- Allows multi tenant applications
- Connectable to REYA-A heat recovery units

BS6A14AV1B

More details and final information can be found by scanning or clicking the QR codes.

BS-A14AV1B

Branch selector				BS	4A14AV1B	6A14AV1B	8A14AV1B	10A14AV1B	12A14AV1B
Maximum number of connectable indoor units					20	30	40	50	60
Maximum number of connectable indoor units per branch					5				
Number of branches					4	6	8	10	12
Maximum capacity index of connectable indoor units					400	600	750		
Maximum capacity index of connectable indoor units per branch					140 (250 if 2 ports are combined)				
Dimensions	Unit	HeightxWidthxDepth		mm	291x600x845	291x1,000x845		291x1,400x845	
Weight	Unit			kg	40	56	65	83	89
Casing	Material				Galvanised steel plate				
Piping connections	Outdoor unit or Refrigerant Flow Through	Liquid	Type		Brazing connection				
			OD	mm	9.52 (2) / 12.7 (2) / 15.9				
		Gas	Type		Brazing connection				
			OD	mm	15.9 (2) / 19.1(2) / 22.2(2) / 28.6				
		Discharge gas	Type		Brazing connection				
			OD	mm	12.7 (2) / 15.9(2) / 19.1(2) / 22.2				
	Indoor unit	Liquid	Type		Brazing connection				
			OD	mm	6.35(3) / 9.52 (4)				
		Gas	Type		Brazing connection				
			OD	mm	9.52 (5) / 12.7 (6) / 15.9 (4)				
	Drain				VP20 (I.D. 20/O.D. 26)				
BS units connected in Refrigerant Flow Through	Maximum allowed amount of BS units				4				
	Maximum total number of ports of BS units				16				
	Maximum total capacity index of indoor unit				750				
Sound absorbing thermal insulation					Urethane foam, polyethylene foam				
BS box system safety requirements	Dust connection diameter on unit			mm	160.0				
	Dust connection positions				Left/Right				
Power supply	Phase				1~				
	Frequency			Hz	50				
	Voltage			V	220-440				
	Maximum fuse amps (MFA)			A	15				

Contains fluorinated greenhouse gases | (1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces | (2) Accessory pipe required | (3) When connecting indoor units smaller or equal to 80 class (no need to cut the outlet pipe) | (4) When connecting indoor units larger or equal to 100 class (the outlet pipe needs to be cut) | (5) When connecting indoor units smaller or equal to 32 class (no need to cut the outlet pipe) | (6) When connecting indoor units between 40 & 80 class (the outlet pipe needs to be cut)

VRV 5 S-series heat pump

Lower CO_2 equivalent and market-leading flexibility

Control systems

Indoor units
VRV type indoor units

Ventilation
Heat Reclaim ventilation
ALB/VAM/VKM

RXYSA-AV1_AY1

Life is more rewarding with the new VRV 5.

Our new all-round performer covers all of your mini VRV applications in Daikin's most sustainable solution.

› **Maximum flexibility** allowing installation in rooms down to 10 m^2 thanks to Shîrudo technology

› **Top sustainability** over the entire lifecycle thanks to low GWP R-32 refrigerant and market-leading real life seasonal efficiency

› **Ergonomic serviceability** and handling, thanks to wide access area to easily reach components within low-profile single fan casing

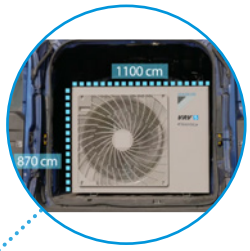
› **Best-in-class design versatility** with five sound pressure levels down to 39 dB(A) and automatic ESP setting up to 45 Pa allowing ductwork

› **Geared for comfort** with intuitive online and voice controls plus a new 10 class indoor unit for small rooms

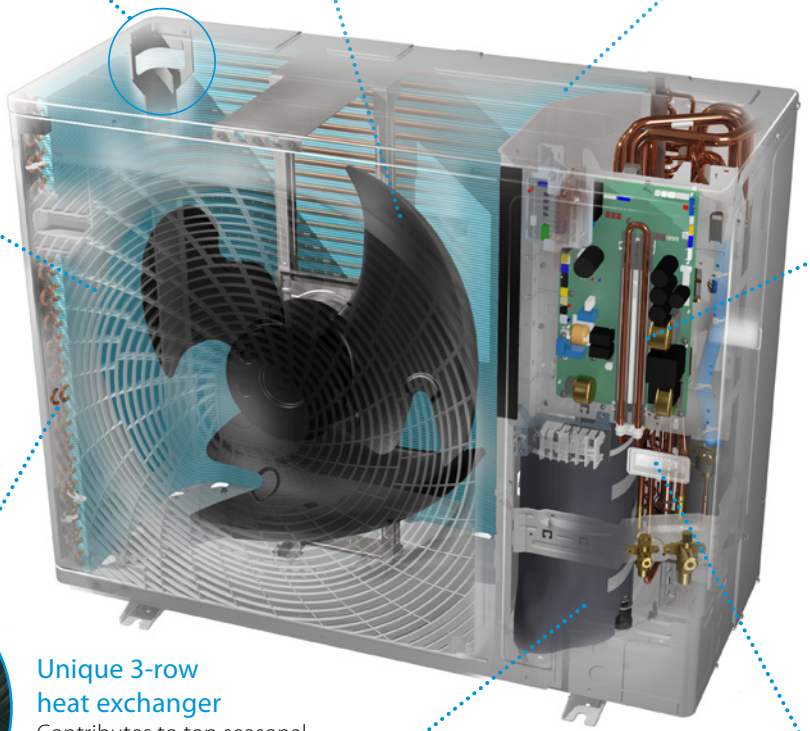
Next generation VRV

New asymmetric fan design
› Two high ESP settings
› Low sound levels

Compact dimensions
Easy to transport thanks to compact size and single-fan design

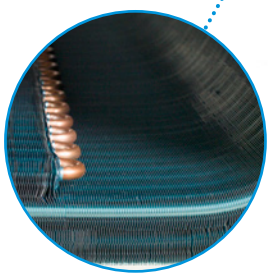


New casing design with 4 handles for easy carrying



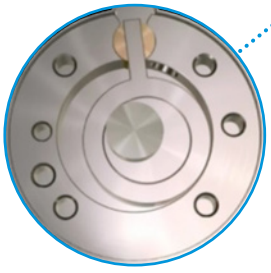
Specially designed grille
› Low pressure drop
› No risk for accidental reach of the fan

Refrigerant cooled PCB
With integrated:
› cool/heat selector input
› 7-segment display for quicker and more precise error and setting reading



Unique 3-row heat exchanger
Contributes to top seasonal efficiency

New stop valves
› Repositioned to allow front or side connection
› Brazed for increased reliability



Unique Daikin swing compressor
› No abrasion possible
› No refrigerant leak possible
› High seasonal efficiencies

Variable Refrigerant Temperature

VRV 5 S-series BLUEVOLUTION

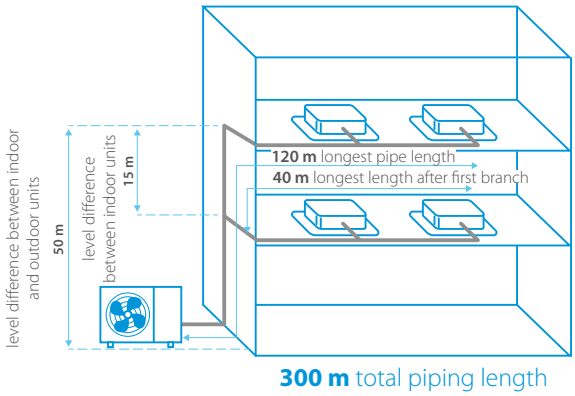
VRV 5 S-series

Lower CO_2 equivalent and market-leading flexibility

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- Low-height single fan range
- Easy to transport thanks to lightweight and compact design
- Wide access area to easily reach all key components
- Tackle small room applications without any additional measures, thanks to Shîrudo technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency

RXYSA-AV1_AY1

Only 869mm high!



300 m total piping length

Reduced CO_2 equivalent

Flexibility to take care of every room

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

RXYSA-AV1

RXYSA-AY1

Outdoor unit				RXYSA	4AV1	5AV1	6AV1	4AY1	5AY1	6AY1
Capacity range				HP	4	5	6	4	5	6
Cooling capacity	Prated,c			kW	12.1	14.0	15.5	12.1	14.0	15.5
Heating capacity	Prated,h			kW	12.1	14.0	15.5	12.1	14.0	15.5
	Max.	6°CWB		kW	14.2	16.0	18.0	14.2	16.0	18.0
Recommended combination					3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB
ηs,c				%	324.5	306.1	301.0	312.5	294.8	289.9
ηs,h				%	200.5	185.7	183.6	193.1	178.8	176.8
SEER					8.2	7.7	7.6	7.9	7.4	7.3
SCOP					5.1	4.7		4.9	4.5	
Maximum number of connectable indoor units					13 (1)	16 (1)	18 (1)	13 (1)	16 (1)	18 (1)
Indoor index connection	Min.				50.0	62.5	70.0	50.0	62.5	70.0
	Nom.				100	125	140	100	125	140
	Max.				130.0	162.5	182.0	130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth		mm	869x1,100x460					
Weight	Unit			kg	102					
Sound power level	Cooling	Nom.		dBA	67.0	68.1	69.0	67.0	68.1	69.0
	Heating	Prated,h		dBA	69.0	70.0	71.0	69.0	70.0	71.0
Sound pressure level	Cooling	Nom.		dBA	49.0	51.0		49.0	51.0	
Operation range	Cooling	Min.~Max.		°CDB	-5 ~46					
	Heating	Min.~Max.		°CWB	-20 ~16					
Refrigerant	Type/GWP				R-32/675.0					
	Charge			kg/TCO2Eq	3.40/2.30					
Piping connections	Liquid	OD		mm	9.52					
	Gas	OD		mm	15.9					
	Total piping length	System	Actual	m	300					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	32			16		

(1)The actual number of units depends on the connection ratio (CR) and the restrictions for the system.

VRV Indoor units

One of the widest ranges on the market, it currently compromises no less than 26 different stylish and elegant models in 116 different variants. All designed to maximise comfort, minimise operating noise and simplify installation and servicing.

VRV 5
indoor units

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UNIQUE	FXUA-A	60

With new Madoka BRC1H52W/S/K!

VRV 5 indoor unit overview

Capacity class (kW)

Type	Model		Product name	10	15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	FXFA-A			●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout	FXZA-A		●	●	●	●	●	●									
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor	FXDA-A	●	●	●	●	●	●	●	●							
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSA-A (UNIQUE FOR R-32)		●	●	●	●	●	●	●		●	●	●	●		
	NEW Concealed ceiling unit with high ESP	ESP up to 270 Pa, ideal for extra large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Large capacity unit: up to 31.5 kW heating capacity	FXMA-A							●	●		●	●	●		●	●
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAA-A		●	●	●	●	●	●	●							
Ceiling suspended	NEW Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem	FXHA-A					●		●	●			●				
	NEW & UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout	FXUA-A							●		●		●				
Cooling capacity (kW)[1]				1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]				1.3	1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

UV Streamer kit

Auto cleaning filter option

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

VRV 5 indoor unit benefit overview

			Ceiling mounted cassette units		Concealed ceiling units			Wall mounted unit	Ceiling suspended units	
			FXFA-A	FXZA-A	FXDA-A	FXSA-A	NEW FXMA-A	FXAA-A	FXHA-A	FXUA-A
We care	Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.	●	●	●	●	●	●	●	●
	Fan only	The unit can be used as fan, blowing air without heating or cooling.	●	●	●	●	●	●	●	●
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.	o		o					
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.	o	o						NEW o
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. fter warming up, air discharge and fan speed are set as desired.	●	●						●
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.	●	●	●	●		●		
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●	●	●	●
Air treatment	UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment	●							
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.	● (2) (Optional high efficiency filter ePM10 60%)	● (2)	● (2)	● (2)	● (2) Optional pre filter and high efficiency filter available (200-250)	● (2)	● (2)	● (2)
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.	●	●	●	●	●	●	●	●
Air flow	Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains.	●	●						
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.	●	●				●	●	●
	Fan speed steps	Allows to select up to the given number of fan speed.	5 + auto	3 + auto	3	3 + auto	3 (50-125) 3 + auto (200-250)	3 + auto	3	3 + auto
	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.	●	●						●
Remote control & timer	Onecta controller (BRP069C51)	Control your indoor climate from any location via smartphone or tablet.	o	o	o	o	o	o	o	o
	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis.	o	o	o	o	o	o	o	o
	Infrared remote control	Starts, stops and regulates the air conditioner from a distance.	o (1)	o (1)	o (1)	o (1)	o (1)	o (1)	o (1)	o (1)
	Wired remote control	Starts, stops and regulates the air conditioner.	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)
	Centralised control	Starts, stops and regulates several air conditioners from one central point.	o	o	o	o	o	o	o	o
Other funtcions	Auto-restart	The unit restarts automatically at the original settings after power failure.	●	●	●	●	●	●	●	●
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.	●	●	●	●	●	●	●	●
	Drain pump kit	Facilitates condensation draining from the indoor unit.	●	●	●	●	●	o	o	●
	Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building.	o (4)	o (4)	o (4)	o (4)	o (4)	o (4)	o (4)	

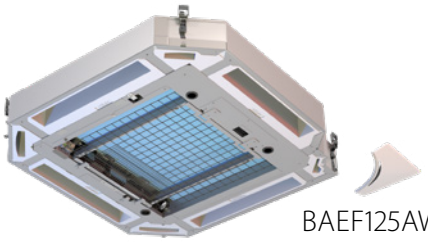
(1) Must be combined with Madoka wired remote controller.
(2) Pre filter
(3) BRC1H52W/S/K is a required option
(4) Only in combination with REYA outdoors

● standard, o optional

Pure air
because we care

Breathe healthy air with the round flow
UV Streamer kit

90% of our time is spent indoors. However indoor air is 2 to 5 times more polluted than outdoor air.



BAEF125AWB

These internal pollution effects on people are manifested in the long run. Tackle them now!

Our UV streamer kit offers you the solution:

› It purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

› Thanks to large air flow rate of the Round flow cassette, clean air can be quickly delivered to every corner of your space

› Can be retrofitted into existing installations

› Can be used with BYCQ140E and BYCQ140EW decoration panels

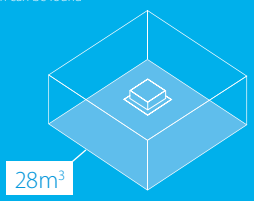
99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek

Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room



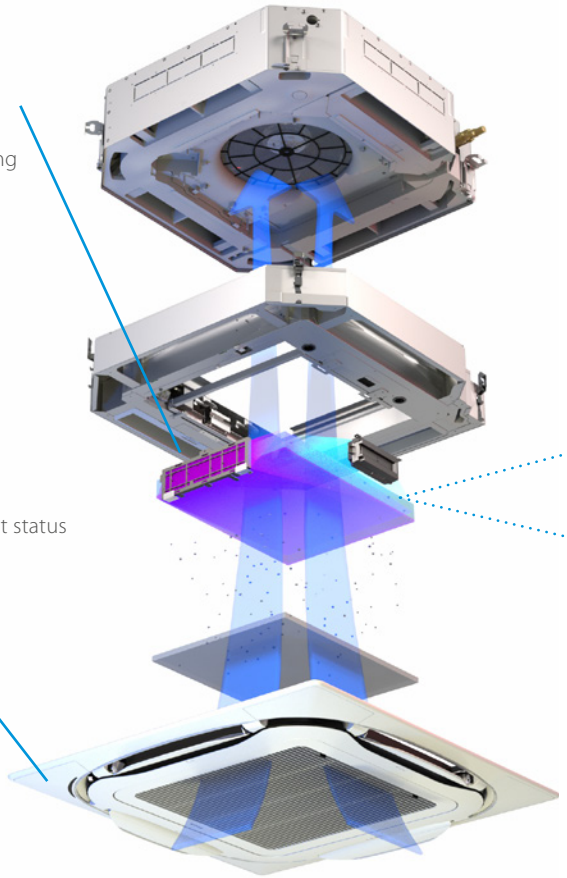
View full test report:

Daikin's unique Catch & Clean approach includes an ePM1 50% filter, UV-C light and Streamer technology

1 Effective capturing of air borne pollutants

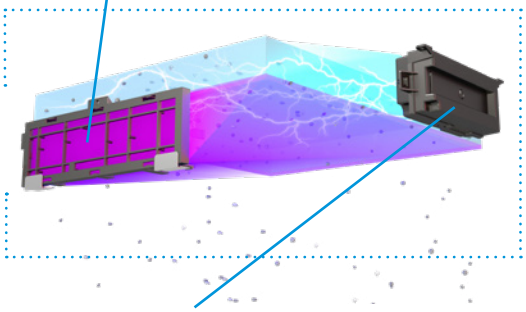
- Highly efficient capturing particulate matter and pollutants thanks to the F7 filter (ISO classification under testing)
- Anti bacterial and viral coating

Indicator light
Indicates operation, malfunction or replacement status



2 Effective cleaning and decomposition of pollutants
Our unique combined UV-C light and Streamer technology ensures both surface and in-depth sanitising of the filter to ensure hygienic air.

UVC LED light with high output wavelength of 265nm which is the most effective for surface cleaning and inactivation of bactaria and viruses.



Streamer technology for deep sanitising of the filter and powerful decomposition of viruses and bacteria trapped inside the filter.

UV Streamer filter specifications

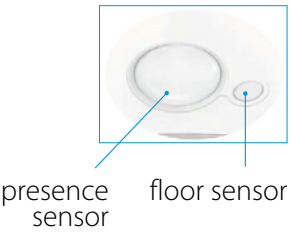
Treatment tools	Test Organisation	Classifications	Test Standard and Method	Report Number	Efficiency	Sample Quantity	Contacting Time (hours)	Test Virus suspension
UV Streamer Kit	Phi-X174 (non enveloped virus)	Virus	Non-standardised Test Method: Microbial Reduction Rate Test	102105182COL-001	99.9%		0.5	$8x10^9$ PFU
Ionpure IPI Filter	Staphylococcus aureus	Bacteria	GB 21551.2-2010	2021FM05648R01	99.98%	$1m^3$	24	
Ionpure IPI Filter	Escherichia coli	Bacteria	GB 21551.2-2010	2021FM05648R01	99.99%	$1m^3$	24	
Ionpure IPI Filter	Aspergillus niger	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Penicillium pinophilum	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Trichoderma viridé	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Chaetomium globosum	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Paecilomyces variotiiv	Mold	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Infectious bronchitis virus	Virus	ISO 18184:2014(E)	2020FM26047R01	99.99%	$1m^3$	2	
Ionpure IPI Filter	SARS-CoV-2	Virus	JIS L 1922	21KB-080395-2(1/5)	99.92%		8	$2.2x10^7$ PFU
Ionpure IPI Filter	H1N1	Virus	ISO 18184:2014(E)	2020FM2434R01	99.94%	$1m^3$	2	

(1) Anti mildew grade 0: no fungal growth was seen visually and with the microscope.

Complete indoor comfort, including pure air

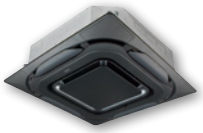
The round flow cassette

› Maximum comfort thanks to **360° air discharge and intelligent sensors**



› **Widest ever choice in panels** to match any interior

Black auto cleaning panel


Black designer panel

Full white standard panel

White designer panel

› **Auto cleaning panel** keeps the filter free of dust for maximum efficiency

› **UV streamer kit**

NEW › Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment

› Highly efficient F7 filter (ISO classification under testing), UVC light and Streamer technology

› Can be **retrofitted** into existing installations

UV STREAMER

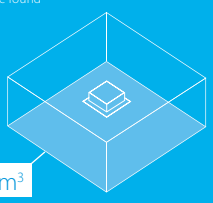
99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek

Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room



intertek
DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.
EFFICACY TEST REPORT

View full test report:

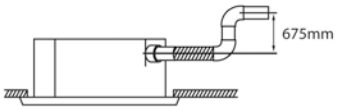
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Optimised design for R-32 refrigerant
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Standard drain pump with 675mm lift increases flexibility and installation speed



FXFA-A

BRC1H52W, BRP069C51

White panel

White auto cleaning panel

Black panel

Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FXFA-A

Indoor Unit				FXFA	20A	25A	32A	40A	50A	63A	80A	100A	125A
Cooling capacity	Total capacity	At high fan speed		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	At high fan speed		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.078	0.103
	Heating	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.078	0.103
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	18			19	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E2W1 - white with grey louvers / BYCQ140E2W1W - full white / BYCQ140E2W1B - black Auto cleaning panels: BYCQ140E2GFW1 - white / BYCQ140E2GFW1B - black Designer panels: BYCQ140E2P - white / BYCQ140E2PB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5								
Fan	Air flow rate - 50Hz	Cooling	At high / medium high / medium / medium low / low fan speed	m^3/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/11.5/10.4	15.1/14.0/12.8/11.8/10.7	16.6/15.0/13.3/12.0/10.7	23.3/21.7/19.3/16.5/13.8	28.8/25.1/21.2/17.5/13.8	33.0/30.2/27.4/24.0/20.6
		Heating	At high / medium high / medium / medium low / low fan speed	m^3/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/11.5/10.4	15.1/14.0/12.8/11.8/10.7	16.6/15.0/13.3/12.0/10.7	23.3/21.7/19.3/16.5/13.8	29.0/25.1/21.2/17.5/13.8	33.0/30.2/27.4/24.0/20.6
Air filter	Type				Resinnet								
Sound power level	Cooling	At high fan speed		dBA	49.0			51.0		53.0	55.0	60.0	61.0
Sound pressure level	Cooling	At high / medium high / medium / medium low / low fan speed		dBA	31.0/30.0/29.0/29.5/28.0			33.0/32.0/31.0/30.0/29.0		35.0/34.0/33.0/32.0/30.0	38.0/36.0/34.0/32.0/30.0	43.0/41.0/37.0/34.0/30.0	45.0/43.0/41.0/39.0/36.0
	Heating	At high / medium high / medium / medium low / low fan speed		dBA	31.0/30.0/29.0/29.5/28.0			33.0/32.0/31.0/30.0/29.0		35.0/34.0/33.0/32.0/30.0	38.0/36.0/34.0/32.0/30.0	43.0/41.0/37.0/34.0/30.0	45.0/43.0/41.0/39.0/36.0
Refrigerant	Type/GWP				R-32/675.0								
Piping connections	Liquid	OD		mm	6.35							9.52	
	Gas	OD		mm	9.52			12.70				15.90	
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	6								
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB								
	Wired remote control				BRC1H52W/S/K								

Contains fluorinated greenhouse gases

Fully Flat Cassette

Design & Genius in one

Why choose fully flat cassette

› Unique design in the market that integrates fully flat into the ceiling

› Advanced technology and top efficiency combined

› Most quiet cassette available on the market

FXZQ-A

Choice between grey or white panel

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA*) or VRV IV heat pump units (FXZQ*).

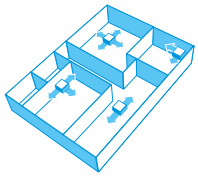
Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

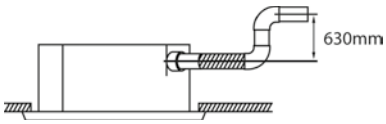
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Optimised design for R-32 refrigerant
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed



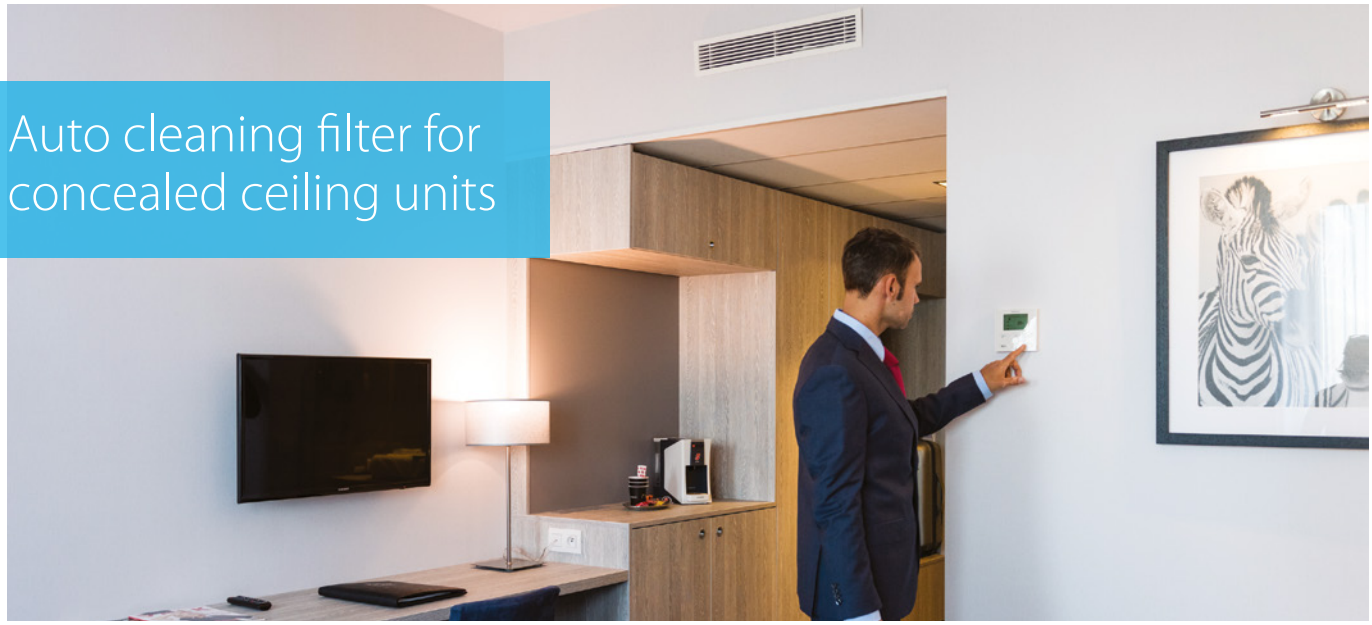
More details and final information can be found by scanning or clicking the QR codes.

FXZA-A

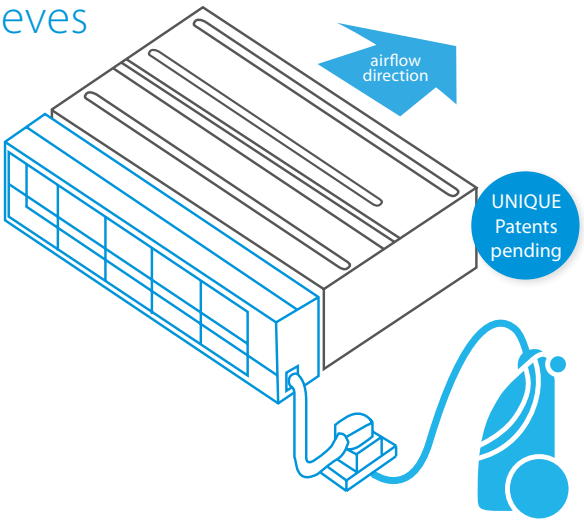
Indoor Unit				FXZA	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
	Heating	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575					
Weight	Unit			kg	15.5			16.5		18.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60C4W1W					
	Colour				White (N9.5)					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60C4W1S					
	Colour				SILVER					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B3W1 + wire harness EKRS23					
	Colour				WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0
		Heating	At high / medium / low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	49		50	51	54	60
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
	Heating	At high / medium / low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Refrigerant	Type/GWP				R-32/675.0					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52				12.70	
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	6					
Control systems	Infrared remote control				BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel) (1)					
Control systems	Wired remote control				BRC1H52W/S/K					

Dimensions do not include control box | (1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

Auto cleaning filter for concealed ceiling units

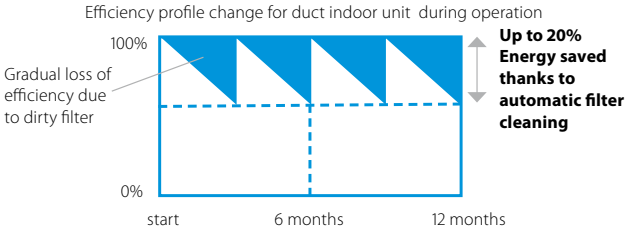


The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs



Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

Superb reliability

› Prevents clogged filters for seamless operation

Unique technology

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette

How does it work?

1. **Scheduled automatic filter cleaning**
2. **Dust collects in a dust box that's integrated into the unit**
3. **The dust can easily be removed with a vacuum cleaner**

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

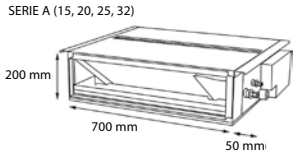
	BAE20A62	BAE20A82	BAE20A102
Height (mm)	210		
Width (mm)	830	1,030	1,230
Depth (mm)	188		

BLUEVOLUTION

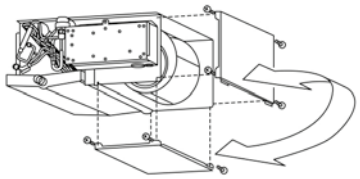
Slim concealed ceiling unit

Slim design for flexible installation

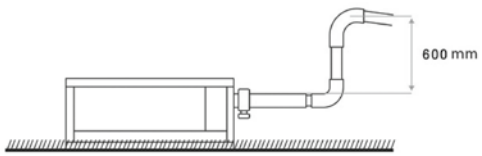
- Optimised design for R-32 refrigerant
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm

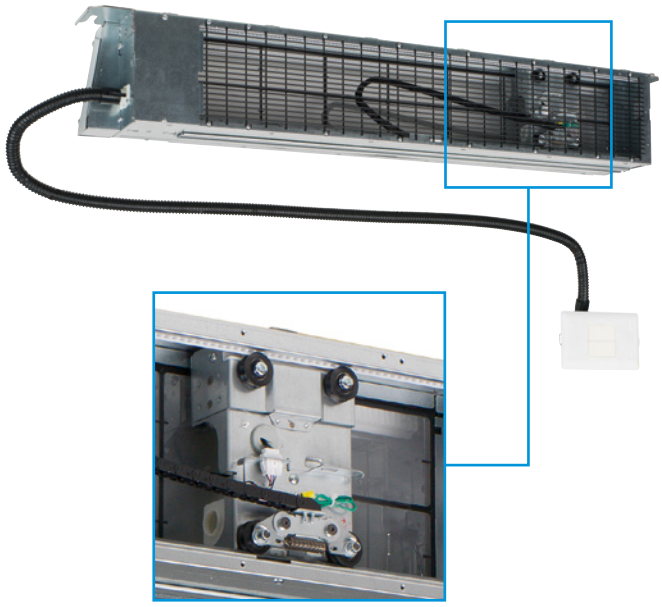


- Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Flexible installation, as the air suction direction can be altered from rear to bottom suction



- Standard drain pump with 600mm lift increases flexibility and installation speed





Auto cleaning filter option

More details and final information can be found by scanning or clicking the QR codes.

FXDA-A

Indoor Unit				FXDA	10A	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.10	1.70	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fan speed		kW	1.30	1.90	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.026	0.035	0.030		0.035	0.038	0.049	0.058
	Heating	At high fan speed		kW	0.026	0.035	0.030		0.035	0.038	0.049	0.058
Required ceiling void >				mm	240							
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620					200x950x620		200x1,150x620
Weight	Unit			kg	22.0		23.0			26.5		30.5
Casing	Material				Galvanised steel							
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		Heating	At high / medium / low fan speed	m^3/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High		Pa	10/30					15/44		
Air filter	Type				Removable / washable							
Sound power level	Cooling	At high fan speed		dBA	48	50	51			52	53	54
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
	Heating	At high / medium / low fan speed		dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
Refrigerant	Type/GWP				R-32/675.0							
Piping connections	Liquid	OD		mm	6.35							
	Gas	OD		mm	9.52					12.70		
	Drain				VP20 (I.D. 20/O.D. 26)							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							
Current - 50Hz	Maximum fuse amps (MFA)			A	6							
Control systems	Infrared remote control				BRC4C65 (1)							
	Wired remote control				BRC1H52W/S/K							

(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

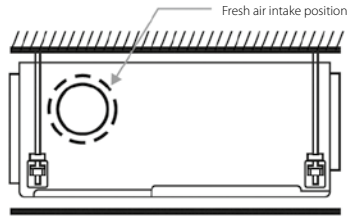
Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Optimised design for R-32 refrigerant
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

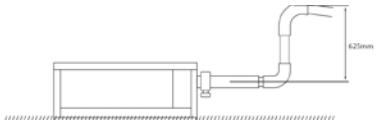
- Quiet operation: down to 25dBA sound pressure level
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Optional fresh air intake
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

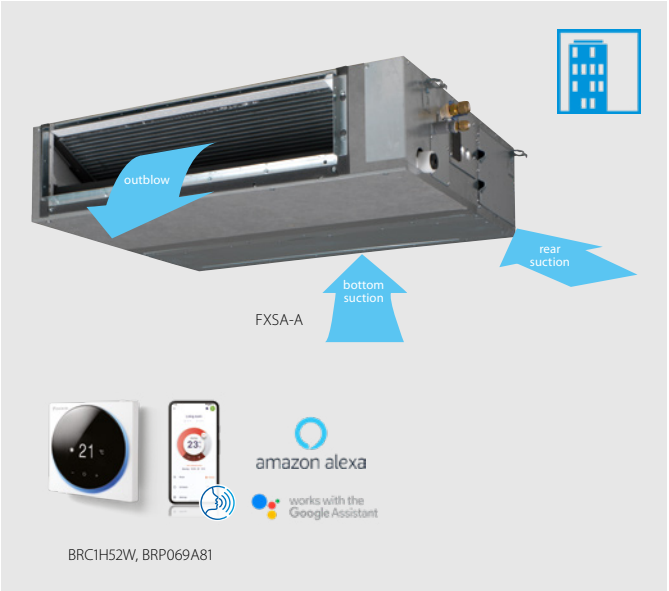
Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

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





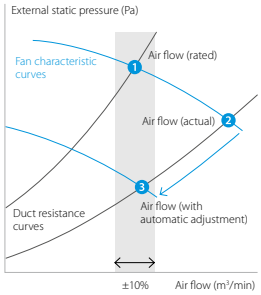
BRC1H52W, BRP069A81

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



More details and final information can be found by scanning or clicking the QR codes.

FXSA-A

Indoor Unit					FXSA	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00	18.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.046			0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
	Heating	At high fan speed		kW	0.046			0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
Dimensions	Unit	HeightxWidthxDepth		mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit			kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material				Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
		Heating	At high / medium / low fan speed	m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	42.5/34.0/28.0
	External static pressure - 50Hz	Factory set / High		Pa	30/150							40/150		50/150	
Air filter	Type				Resin net										
Sound power level	Cooling	At high fan speed		dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	29.5/28.0/25.0	30.0/28.0/25.0		31.0/29.0/26.0	35.0/32.0/29.0		33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
	Heating	At high / medium / low fan speed		dBA	31.5/29.0/26.0	32.0/29.0/26.0		33.0/30.0/27.0	37.0/34.0/29.0		35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWP				R-32/675.0										
Piping connections	Liquid	OD		mm	6.35									9.52	
	Gas	OD		mm	9.52				12.70					15.90	
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)			A	6										
Control systems	Infrared remote control				BRC4C65 / BRC4C66 (1)										
	Wired remote control				BRC1H52W/S/K										

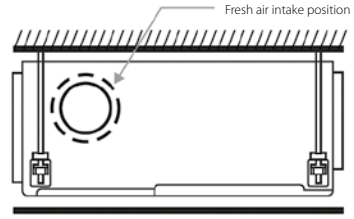
(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

Concealed ceiling unit with high ESP

Ideal for large sized spaces ESP up to 250 Pa

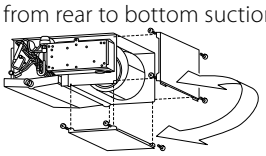
- Optimised design for R-32 refrigerant
- High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)

Fresh air intake opening in casing

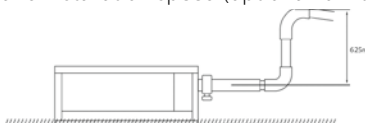


* Brings in up to 10% of fresh air into the room

- Flexible installation, as the air suction direction can be altered from rear to bottom suction (50-125 class)



- Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)



- Large capacity unit: up to 31.5 kW heating capacity

FXMA200-250A

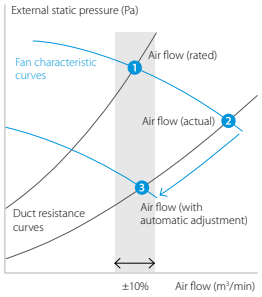
BRC1H52W, BRP069C51

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



More details and final information can be found by scanning or clicking the QR codes.

FXMA-A

Indoor Unit				FXMA	50A	63A	80A	100A	125A	200A	250A
Cooling capacity	Total capacity	At high fan speed		kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
	Nom.			kW			-			22.4	28.0
Heating capacity	Total capacity	At high fan speed		kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
	Nom.			kW			-			25.0	31.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.125	0.140	0.198	0.191	0.254	0.54	0.65
	Heating	At high fan speed		kW	0.125	0.140	0.198	0.191	0.254	0.54	0.65
Required ceiling void >				mm			350			-	
Dimensions	Unit	HeightxWidthxDepth		mm		300x1,000x700		300x1,400x700		470x1,490x1,100	
Weight	Unit			kg		35		46		105	115
Casing	Material						Galvanised steel plate				
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m³/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.0/23.0	36.0/30.0/26.0	62/48/41	74/64/52
		Heating	At high / medium / low fan speed	m³/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.0/23.0	36.0/30.0/26.0	62/48/41	74/64/52
	External static pressure - 50Hz	Factory set / High / Low		Pa			100/200/-			150/250/50	
Air filter	Type						Resin net			-	
Sound power level	Cooling	At high / medium / low fan speed		dBA	61.0/60.0/58.0	64.0/61.0/59.0	67.0/64.0/62.0	65.0/61.0/56.0	70.0/66.0/62.0	75/74/72	76/75/73
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
	Heating	At high / medium / low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
Refrigerant	Type/GWP						R-32/675				
Piping connections	Liquid	OD		mm		6.35		9.52			
	Gas	OD		mm		12.70		15.90		19.1	
	Drain						VP25 (I.D. 25/O.D. 32)			BSP1	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220			1~/50/60/220-240/220-230	
Current - 50Hz	Maximum fuse amps (MFA)			A			6				
Control systems	Infrared remote control						BRC4C65 / BRC4C66			BRC4C65	
	Wired remote control						BRC1H52W/S/K				

Contains fluorinated greenhouse gases

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Optimised design for R-32 refrigerant
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit

More details and final information can be found by scanning or clicking the QR codes.

FXAA-A

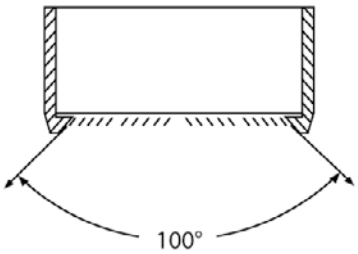
Indoor Unit					FXAA	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW		1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW		1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input – 50Hz	Cooling	At high fan speed		kW		0.017	0.019	0.028	0.030	0.025	0.033	0.050
	Heating	At high fan speed		kW		0.025	0.029	0.034	0.035	0.030	0.039	0.060
Dimensions	Unit	HeightxWidthxDepth		mm		290x795x266				290x1,050x269		
Weight	Unit			kg		12				15		
Fan	Air flow rate – 50Hz	Cooling	At high/medium/ low fan speed	m^3/min		7.1/6.8/6.5	7.9/7.2/6.5	8.3/7.4/6.5	9.4/8.0/6.5	12.2/11.0/9.8	14.2/12.6/10.9	18.2/15.5/12.9
		Heating	At high/medium/ low fan speed	m^3/min		7.8/7.1/6.5	8.6/7.5/6.5	9.0/7.7/6.5	9.9/8.2/6.5	12.2/11.0/9.8	15.2/13.7/12.1	18.7/16.4/14.1
Air filter	Type					Removable / washable						
Sound power level	Cooling	At high fan speed		dBA		51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure level	Cooling	At high/medium/low fan speed		dBA		32.0/30.5/28.5	33.0/31.0/28.5	35.0/32.0/28.5	37.5/33.0/28.5	37.0/35.5/33.5	41.0/38.5/35.5	46.5/42.5/38.5
	Heating	At high/medium/low fan speed		dBA		33.0/31.0/28.5	34.0/31.5/28.5	36.0/32.5/28.5	38.5/33.5/28.5	38.0/36.0/33.5	42.0/39.0/35.5	47.0/43.0/38.5
Refrigerant	Type/GWP					R-32/675.0						
Piping connections	Liquid	OD		mm		6.35						
	Gas	OD		mm		9.52				12.70		
	Drain					VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240						
Current – 50Hz	Maximum fuse amps (MFA)			A		6						
Control systems	Infrared remote control					BRC7EA630 (1)						
	Wired remote control					BRC1H52W/S/K						

(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

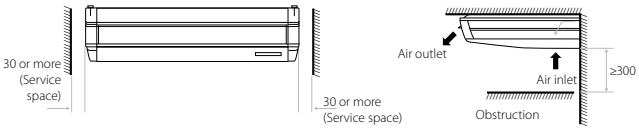
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Optimised design for R-32 refrigerant
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle

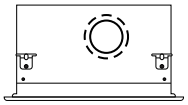


- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.

More details and final information can be found by scanning or clicking the QR codes.

FXHA-A

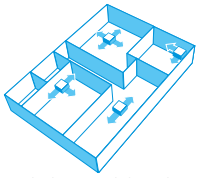
Indoor Unit				FXHA	32A	50A	63A	100A
Cooling capacity	Total capacity	At high fan speed		kW	3.6	5.6	7.1	11.2
	Nom.			kW	3.6	5.6	7.1	11.2
Heating capacity	Total capacity	At high fan speed		kW	4.0	6.3	8.0	12.5
	Nom.			kW	4.0	6.3	8.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.033	0.037	0.051	0.086
	Heating	At high fan speed		kW	0.033	0.037	0.051	0.086
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690		235x1,590x690
Weight	Unit			kg	28	36		43
Casing	Material				Resin, sheet metal			
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
		Heating	At high / medium / low fan speed	m^3/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
Air filter	Type				Resin net			
Sound power level	Cooling	At high / medium / low fan speed		dBA	54.0/52.0/49.0	54.0/52.0/50.0	55.0/53.0/52.0	62.0/55.0/52.0
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	36.0/34.0/31.0	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
	Heating	At high / medium / low fan speed		dBA	36.0/34.0/31.0	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWP				R-32/675			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	OD		mm	9.52	12.7		15.9
	Drain				VP20			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A	6			
Control systems	Infrared remote control				BRC7GA53-9			
	Wired remote control				BRC1H52W/S/K			

Contains fluorinated greenhouse gases

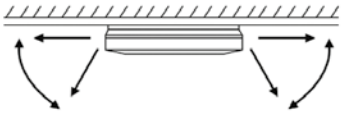
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

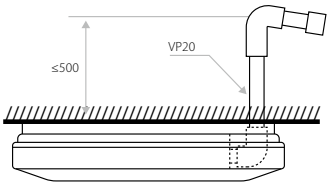
- Optimised design for R-32 refrigerant
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!

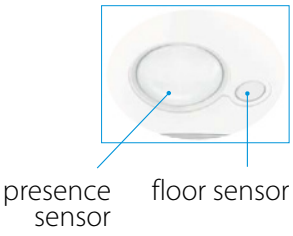


- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60°can be programmed via the remote control



- Standard drain pump with 720mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.

FXUA-A

Indoor Unit				FXUA	50A	71A	100A
Cooling capacity	Total capacity	At high fan speed		kW	5.6	8.0	11.2
	Nom.			kW	5.6	8.0	11.2
Heating capacity	Total capacity	At high fan speed		kW	6.3	9.0	12.5
	Nom.			kW	6.3	9.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.029	0.055	0.117
	Heating	At high fan speed		kW	0.029	0.055	0.117
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950		
Weight	Unit			kg	27		28
Casing	Material				Resin		
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
		Heating	At high / medium / low fan speed	m^3/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
Air filter	Type				Resin net		
Sound power level	Cooling	At high / medium / low fan speed		dBA	55.0/53.0/51.0	58.0/56.0/54.0	65.0/62.0/58.0
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	At high / medium / low fan speed		dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GWP				R-32/675		
Piping connections	Liquid	OD		mm	6.35		9.52
	Gas	OD		mm	12.7		15.9
	Drain				VP20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		
Current - 50Hz	Maximum fuse amps (MFA)			A	6		
Control systems	Infrared remote control				BRC7CB58 / BRC7CB59		
	Wired remote control				BRC1H52W/S/K		

Contains fluorinated greenhouse gases

Supporting a circular economy of refrigerants

LOOP BY DAIKIN

Towards a circular economy of refrigerants

With L∞P by Daikin we want to step away from producing more waste. Instead we will reuse what is already available, in a qualitative way.

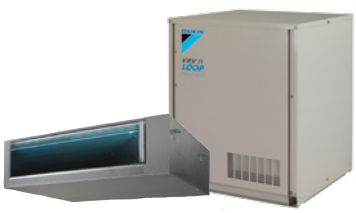
› **Saves over 400,000 kg of virgin refrigerant** being produced every year
› Greatly **reduces the CO_2 footprint of refrigerant production with 72%!**

For units produced and sold in Europe

› Exclusive to Daikin reclaimed gas is now used in our units
› Administratively allocated to VRV and chillers produced and sold in Europe

For more information visit
www.daikin.eu/loop-by-daikin

The most extensive VRV range on the market



VRV i-series

VRV S-series

VRV W-series

Heat recovery, heat pump and replacement series

Recover

We recover your **old refrigerant** for you from any unit and any brand.

Reclaim

The refrigerant is reclaimed in Europe, meaning regenerated in a **high-quality** way, in line with F-gas regulation definition.

Reuse

The reclaimed refrigerant is mixed with virgin refrigerant. The refrigerant's quality is **certified** by an independent laboratory. It meets AHRI 700 certified standards.

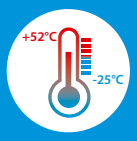
400,000kgs/year

72% lower CO_2 fooprint for production

For every application, a solution

Heat recovery with unique 3-pipe technology

Heat pump models with unique continuous heating during defrost



Dedicated **hot and cold climate** heat pumps offering efficient cooling up to 52°C and heating down to -25°C

Space saving mini VRV solutions, offering the most compact VRV

The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible

Replacement solutions to replace existing systems in **the most cost-effective way**

Water-cooled heat recovery and heat pump units, ideal for high rise buildings using water as heat source

A **complete total** solution integrating a wide range of indoor units, air curtains, hot water **hydroboxes** and **ventilation** units including air handling units

Products overview VRV IV LOOP BY DAIKIN (1) R-410A

	Model		Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30
Air cooled - heat recovery	VRV IV heat recovery	UNIQUE Best efficiency & comfort solution › Fully integrated solution with heat recovery for maximum efficiency › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › "Free" heating and hot water through heat recovery › The perfect personal comfort for guests/tenants via simultaneous cooling and heating › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating › Allows technical cooling › Widest range of BS boxes on the market	REYQ-U VRV IV+				●	●	●		●	●	●	●					
								●		●		●	●	●	●	●	●	●	●
Air cooled - heat pump	VRV IV heat pump with continuous heating	Daikin's optimum solution with top comfort › Continuous heating during defrost › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating	RYYQ-U* VRV IV+				●	●	●		●	●	●	●					
												●	●	●	●	●	●	●	●
	VRV IV heat pump without continuous heating	Daikin's solution for comfort & low energy consumption › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-U* VRV IV+				●	●	●		●	●	●	●					
												●	●	●	●	●	●	●	●
	VRVIV-S series Compact	The most compact VRV › Compact and lightweight single fan design saves space and is easy to install › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSCQ-TV1 VRV IV S-series Compact	●	●	●															
	VRVIV-S series	UNIQUE Space saving solution without compromising on efficiency › Space saving trunk design for flexible installation › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQ-TV9/TY9/TY1 VRV IV S-series TV9	●	●	●															
			TY9/TY1	●	●	●	●	●	●												
	VRV IVheat pump for indoor installation	UNIQUE The invisible VRV › Unique VRV heat pump for indoor installation › Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T(8) VRV IV i-series		●		●													
	VRV IV heat pump, optimised for cold climates	Where heating is priority without compromising on efficiency › Suitable for single source heating › Extended operation range down to -25°C in heating › Stable heating capacity without any capacity loss down to -15°C › Very economical solution as a smaller outdoor unit model can be used compared to the standard series	RXYLQ-T VRV IV C+series					●	●		●	●	●	●	●	●	●	●	●
Replacement	heat recovery	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely	RQCEQ-P3 VRVIII-Q					●		●		●	●	●	●	●	●	●	●
	heat pump	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQQ-U VRV IV Q+series		●		●	●	●		●	●	●	●					
												●	●	●	●	●	●	●	●
Water cooled	Water cooled VRV IV	Ideal for high rise buildings, using water as heat source › Reduced CO_2 emissions thanks to the use of geothermal energy as a renewable energy source › No need for an external heating or cooling source when used in geothermal mode › Compact & lightweight design can be stacked for maximum space saving › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Variable Water Flow control option increases flexibility and control › Mixed connection of HT hydroboxes and VRV indoor units › Either connect VRV of stylish indoor units (Daikin Emura, Stylish,...) › 2 analogue input signals allowing external control	RWEYQ-T9(2) VRV IV W+series				●	●	●		●								
												●	●	●	●	●	●	●	●

(1) LOOP by Daikin is applicable for VRV units produced and sold in Europe (EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland). RXYSCQ-TV1, RXYSQ8-10-12TY1 and RQCEQ-P3 are not part of the LOOP by Daikin programme.
(2) Range not Eurovent certified.
(3) Multi combinations are not in scope of the Eurovent certificaton programme

● Single unit
● Multi combination

Capacity (HP)												Description / Combination	**VRV** indoor units	Residential indoor units	**LT Hydrobox** HXY-A	**HT Hydrobox** HXHD-A	HRV units VAM-, VKM-	**AHU connection** EKEXV- + EKEQMCBA	**AHU connection** EKEXV- + EKEQFCBA	**Air curtains** CYV-DK-	Remarks
32	34	36	38	40	42	44	46	48	50	52	54										
												VRV IV⁺ Heat Recovery REYQ	O		O	O	O	O		O	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								
												with LT/HT Hydroboxes	✓		✓	✓	✓				› Max 32 indoor units, even on 16HP and larger systems › Total system connection ratio with HT hydroboxes up to 200% possible
												HRV units VAM-, VKM-	✓		✓	✓	✓	✓		✓	› Dedicated systems (with only ventilation units) not allowed – a mix with standard VRV indoor units is always necessary
●	●	●	●	●	●	●	●	●	●	●	●	AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												VRV IV⁺ Heat Pump (RYYQ/RXYQ)	O	O	O		O	O	O	O	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								› 200% total system connection ratio possible under special circumstances
												with residential indoor units	✓	✓			✓				› Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T) › Max 32 indoor units, even on 16HP, 18HP and 20HP systems › Connection ratio: 80 ~ 130%
●	●	●	●	●	●	●	●	●	●	●	●	with LT Hydroboxes	✓		✓		✓				› Max 32 indoor units, even on 16HP and larger systems › Contact Daikin in case of multi-module systems (>20HP)
												HRV units VAM-, VKM-	✓	✓	✓		✓	✓		✓	
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												AHU connection EKEXV + EKEQFCBA							✓		
●	●	●	●	●	●	●	●	●	●	●	●	Biddle air curtain CYV-DK-	✓				✓	✓		✓	
												VRV IV-S RXYSQ-/RXYSCQ-	O	O			O	O		O	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units only	✓				✓	✓		✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
												VRV IV i series SB.RKXYQ	✓				✓	✓		✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-C⁺ series RXYLQ	O	O	O		O	O	O	O	› Standard total system connection ratio limit: 70 ~ 130%
												with VRV indoor units only	✓				✓			✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
●	●	●	●	●	●							with LT hydroboxes	✓		✓		✓				› Max. 32 indoor units, contact Daikin in case of multi-module systems (> 14HP)
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio is 70~110%
												AHU connection EKEXV + EKEQFCBA	✓						✓		› With AHU only connection ration is 90~110%
												VRV III-Q⁺ series Replacement H/R RQCEQ	✓				✓				› Standard total system connection ratio limit: 50 ~ 130%
●	●	●	●	●	●							**VRV IV-Q Replacement H/P** RXYQQ	✓				✓	✓		✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-W⁺ series Water-cooled VRV RWEYQ	O	O		O	O	O	O	O	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓			✓	✓	✓	✓	✓	
												with split indoor units	✓	✓			✓				› Only single-module systems (RWEYQ8-14T9) › Max 32 indoor units › Connection ratio: 80 ~ 130% › only in heat pump version
●	●	●	●	●	●							with HT hydrobox	✓			✓					
												AHU connection	✓					✓			› Total system connection ratio with AHU + X indoor is 50 ~ 110% › Total system connection ration with AHU only is 90~ 110%

O ... connection of indoor unit possible, but not neccessarily simultaneously with other allowed indoor units
✓ ... connection of indoor unit possible even simultaneously with other checked units in the same row
× ... connection of indoor not possible on this outdoor unit system

Perial Asset Management

L∞P by Daikin is assisting clients in creating their own circular economy of refrigerants

Perial Asset Management (Perial AM) manages a diverse real estate portfolio mainly located in France and increasingly in Europe. The company is committed to reducing energy and water consumption as part of a continuous improvement process.

The arrival of new tenants at an office building in Boulogne-Billancourt spurred Perial Asset Management's decision to carry out renovation work to meet Perial AM's CSR objectives.

Constructed in the 1990s, the refurbished building extends over a surface area of 4,200 m^2 comprising the ground floor and seven stories, including offices and creating a 1,800 m^2 ERP area.
Working with Perial Asset Management (Perial AM), Daikin installed new VRV units with reclaimed refrigerant at their office building, while recycling the R-410A refrigerant from the old units to use it as a field charge for the new system.

Daikin is the only manufacturer in the market able to offer customers a holistic approach to reusing their refrigerant in new projects via its L∞P by Daikin program.

Las Arenas historic hotel, opts for sustainable upgrade

- Choosing a sustainable replacement solution was on top of the agenda
- Separate temperature zones enable every room to be controlled individually, adjusting the comfort conditions to suit the individual or activity
- 88 outdoor units were replaced in a record six months
- A true circular economy example:
  - Reuse of copper piping and indoor units
  - Reuse of regenerated refrigerant

L1 complex Multifunctional building with BREEAM certification

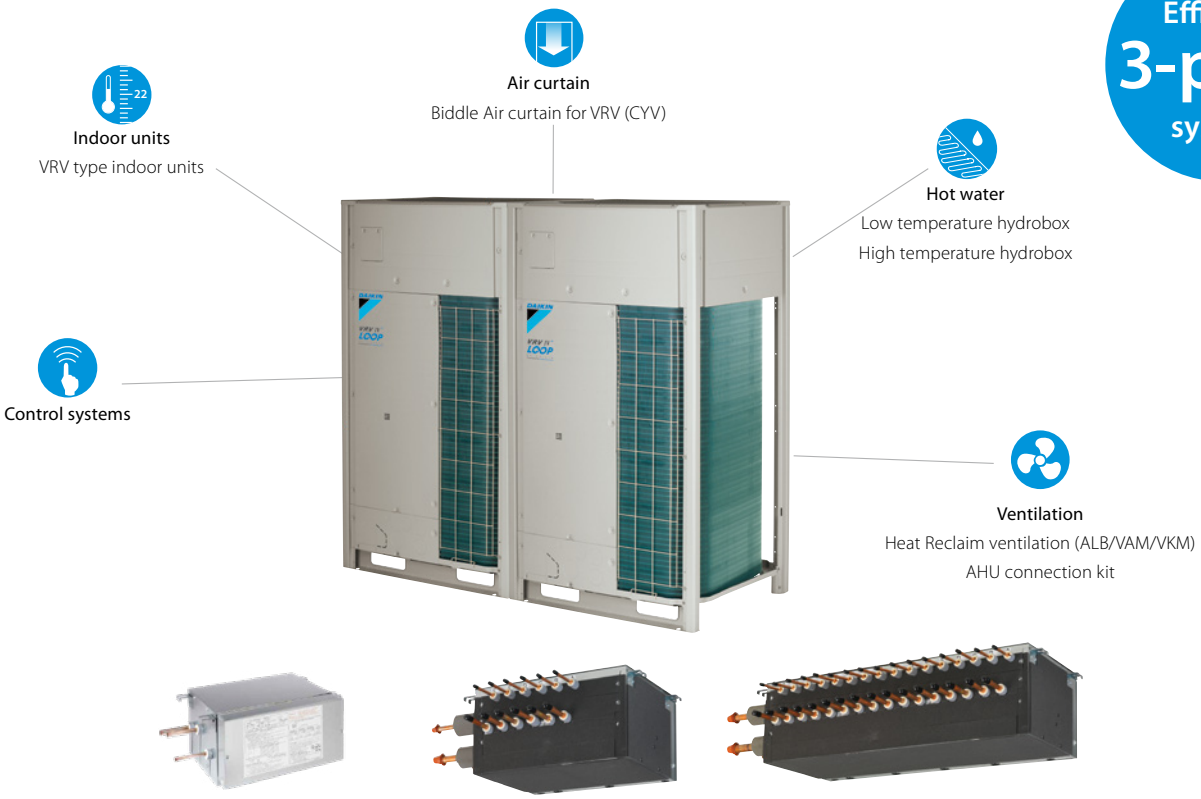
- A total solution, including VRV heat pumps, multiple scroll chillers and Air Handling Units (AHUs), centrally managed through Daikin's Intelligent Touch Manager mini BMS
- Daikin's Accredited Professionals (AP's) collaborated with the project team to maximise the building's BREEAM rating
- Daikin heat pumps can contribute in 6 out of 10 BREEAM categories, adding up to 30 credits

More cases at: https://www.daikin.eu/en_us/about/case-studies.html

VRV IV+ heat recovery

Best efficiency and comfort solution

Efficient 3-pipe system



Widest range of BS boxes for the fastest installation

LOOP BY DAIKIN

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

Continuous heating

The new standard in heating comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

- 7 segment display
- Automatic refrigerant charge
- Refrigerant containment check
- Night quiet mode
- Low noise function
- Connectable to LT hydrobox for hot water
- Connectable to HT hydrobox for hot water
- Full inverter compressors
- Gas cooled PCB
- 4 side heat exchanger
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

VRV IV
BS boxes

Maximum design flexibility and installation speed

› Quickly and flexibly design your system with a unique range of single and multi BS boxes.
› A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
› Free combination of single and multi BS boxes

Single port

› Unique to the market
› Compact and light to install
› No drain piping needed
› Ideal for remote rooms
› Technical cooling function
› Connect up to 250 class unit (28 kW)
› Allows multi-tenant applications

BS1Q 10, 16, 25 A

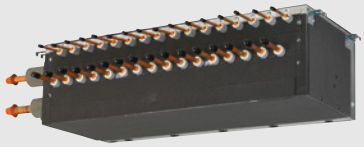
Multi port: 4 – 6 – 8 – 10 – 12 – 16

› Up to 55% smaller and 41% lighter than previous range
› Faster installation thanks to a reduced number of brazing points and wiring
› All indoor units connectable to one BS box
› Fewer inspection ports needed
› Up to 16 kW capacity available per port
› Connect up to 250 class unit (28kW) by combining 2 ports
› No limit on unused ports, permitting phased installation
› Allows multi-tenant applications

BS 4 Q14 AV1

BS 6, 8 Q14 AV1

BS 10, 12 Q14 AV1

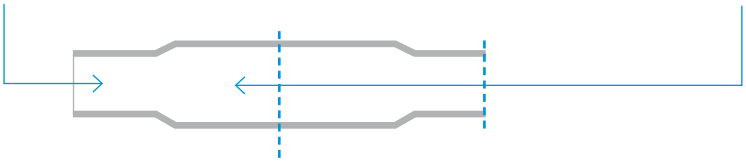


BS 16 Q14 AV1

Faster installation thanks to open connection

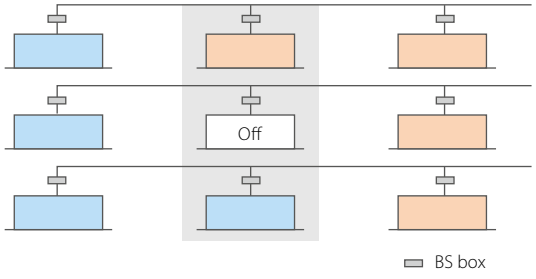
› No need to cut the pipe before brazing – for indoor units smaller or equal to 5.6 kW (50 class)

› Cut and braze the pipe – for indoor units bigger or equal to 7.1 kW (63 class)



Maximum comfort at all times

With the VRV BS box, any indoor unit not being used to switch between heating and cooling maintains the constant desired temperature. This is because our heat recovery system does not need to equalise pressure over the entire system after a change-over.



VRV IV+ heat recovery

Best efficiency & comfort solution

- Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- Possibility to extend the operation range in cooling down to -20°C for technical cooling operation such as server rooms
- Contains all standard VRV features

LOOP BY DAIKIN

For units made and sold in Europe*

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

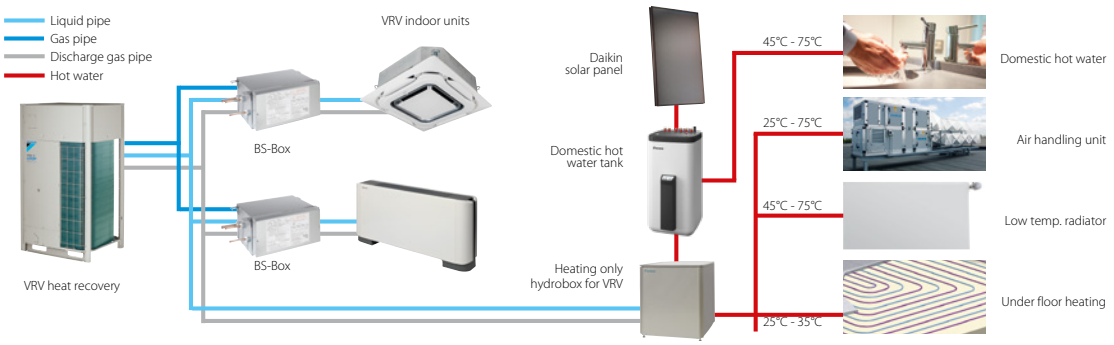
Outdoor unit				REYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c				%	286.1	264.8	257.0	255.8	243.1	250.6	246.7
ηs,h				%	165.1	169.7	183.8	168.3	167.5	172.5	162.7
SEER					7.2	6.7	6.5		6.2	6.3	6.2
SCOP					4.2	4.3	4.7	4.3		4.4	4.1
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				-						
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	230			314		317	
Sound power level	Cooling	Nom.		dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h		dBA	79.6	80.9	83.5	83.9	86.9	85.3	89.8
Sound pressure level	Cooling	Nom.		dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0 ~43.0						
	Heating	Min.~Max.		°CWB	-20.0 ~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	9.7/20.2	9.8/20.5	9.9/20.7	11.8/24.6			
Piping connections	Liquid	OD		mm	9.52		12.7			15.9	
	Gas	OD		mm	19.1	22.2	28.6				
	HP/LP gas	OD		mm	15.9	19.1		22.2			28.6
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit system			REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U
System	Outdoor unit module 1			REMQ5U			REYQ8U		REYQ10U	REYQ8U		REYQ12U		REYQ16U
	Outdoor unit module 2			REMQ5U	REYQ8U		REYQ10U	REYQ12U		REYQ16U	REYQ14U	REYQ16U	REYQ18U	REYQ16U
Capacity range			HP	10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Prated,c		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Prated,h		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
	Max.	6°CWB	kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
Recommended combination				4x FXFQ63AVEB	3x FXFQ50AVEB + 3x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB	10x FXFQ50AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB
ηs,c		%		275.1	301.3	288.6	272.9	266.0	260.4	257.7	257.5	251.9	266.8	243.1
ηs,h		%		158.8	160.6	168.2	167.9	175.7	178.5	167.6	175.5	174.8	179.4	169.1
SEER				7.0	7.6	7.3	6.9	6.7	6.6	6.5		6.4	6.7	6.2
SCOP				4.0	4.1	4.3		4.5		4.3	4.5	4.4	4.6	4.3
Maximum number of connectable indoor units				64 (1)										
Indoor index connection	Min.			125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0
	Nom.			-										
	Max.			325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0	975.0	1,040.0
Piping connections	Liquid	OD	mm	9.52	12.7		15.9				19.1			
	Gas	OD	mm	22.2	28.6					34.9				
	HP/LP gas	OD	mm	19.1		22.2		28.6						
	Total piping length	System	Actual m	500				1,000						
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)		A	40		50		63				80		

REYQ10,13,16,18,20,22U

More details and final information can be found by scanning or clicking the QR codes.

REYQ-U



Outdoor unit system			REYQ	34U	36U	38U	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1			REYQ16U		REYQ8U	REYQ10U		REYQ12U	REYQ14U	REYQ16U			REYQ18U
	Outdoor unit module 2			REYQ18U	REYQ20U	REYQ12U		REYQ16U					REYQ18U	
	Outdoor unit module 3			-		REYQ18U		REYQ16U				REYQ18U		
Capacity range			HP	34	36	38	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	95.4	101.0	106.4	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
	Max.	6°CWB	kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended combination				3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x FXFQ63AVEB	9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB	1x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	12x FXFQ63AVEB + 6x FXFQ80AVEB	3x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 14x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 15x FXFQ63AVEB
ηs,c			%	259.2	255.3	269.2	259.6	250.2	249.3	246.8	243.1	254.4	265.7	275.2
ηs,h			%	172.0	166.3	176.0	176.1	167.8	171.9	168.8	168.5	170.3	171.7	173.3
SEER				6.6	6.5	6.8	6.6	6.3		6.2		6.4	6.7	7.0
SCOP				4.4	4.2	4.5		4.3	4.4	4.3			4.4	
Maximum number of connectable indoor units				64 (1)										
Indoor index connection	Min.			425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.			-										
	Max.			1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm	19.1										
	Gas	OD	mm	34.9	41.3									
	HP/LP gas	OD	mm	28.6		34.9								
	Total piping length	System Actual	m	1,000										
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)		A	80		100					125			

Outdoor unit module			REMQ	5U
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765
Weight	Unit		kg	230
Fan	External static pressure	Max.	Pa	78
Sound power level	Cooling	Nom.	dBA	78.0
Sound pressure level	Cooling	Nom.	dBA	57.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0
	Heating	Min.~Max.	°CWB	-20.0 ~15.5
Refrigerant	Type/GWP			R-410A/2,087.5
	Charge		kg/TCO2Eq	9.7/20.2
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20

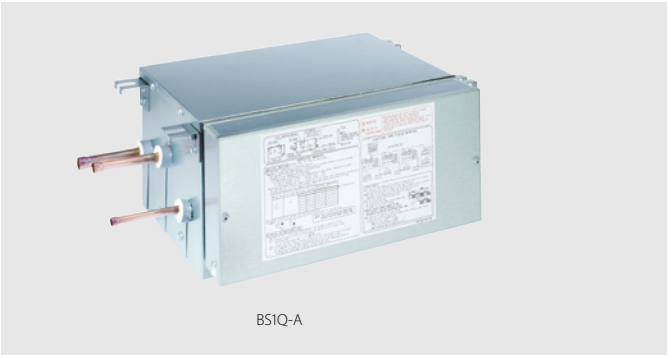
(1)Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%)
Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

Individual and multi branch selector box installation

BS1Q-A

Individual branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Compact & light to install
- Ideal for remote rooms as no drain piping is needed
- Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- Connect up to 250 class unit (28kW)
- **UNIQUE** Faster installation thanks to open port connection
- Allows multi tenant applications
- Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T8 heat recovery units



BS1Q-A

More details and final information can be found by scanning or clicking the QR codes.

BS1Q-A

Indoor Unit				BS1Q	1Q10A	1Q16A	1Q25A
Power input	Cooling	Nom.		kW	0.005		
	Heating	Nom.		kW	0.005		
Maximum number of connectable indoor units					6	8	
Maximum capacity index of connectable indoor units					15 < x ≤ 100	100<x≤160	160<x≤250
Dimensions	Unit	HeightxWidthxDepth		mm	207x388x326		
Weight	Unit			kg	12		15
Casing	Material				Galvanised steel plate		
Piping connections	Outdoor unit	Liquid	OD	mm	9.52		
		Gas	OD	mm	15.9		22.2
		Discharge gas	OD	mm	12.7		19.1
	Indoor unit	Liquid	OD	mm	9.52		
		Gas	OD	mm	15.9		22.2
Sound absorbing thermal insulation					Foamed polyurethane Flame-resistant needle felt		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
	Maximum fuse amps (MFA)			A	15		

Contains fluorinated greenhouse gases

BS-Q14AV1B

Multi branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes
- Up to 70% smaller and 66% lighter than previous series
- Faster installation thanks to a reduced number of brazing points and wiring
- All indoor units connectable to one BS box
- Less inspection ports needed compared to installing single BS boxes
- Up to 16kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation
- **UNIQUE** Faster installation thanks to open port connection
- **UNIQUE** Refrigerant filters for high reliability
- Allows multi tenant applications
- Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T8 heat recovery units

BS10Q14AV1B

More details and final information can be found by scanning or clicking the QR codes.

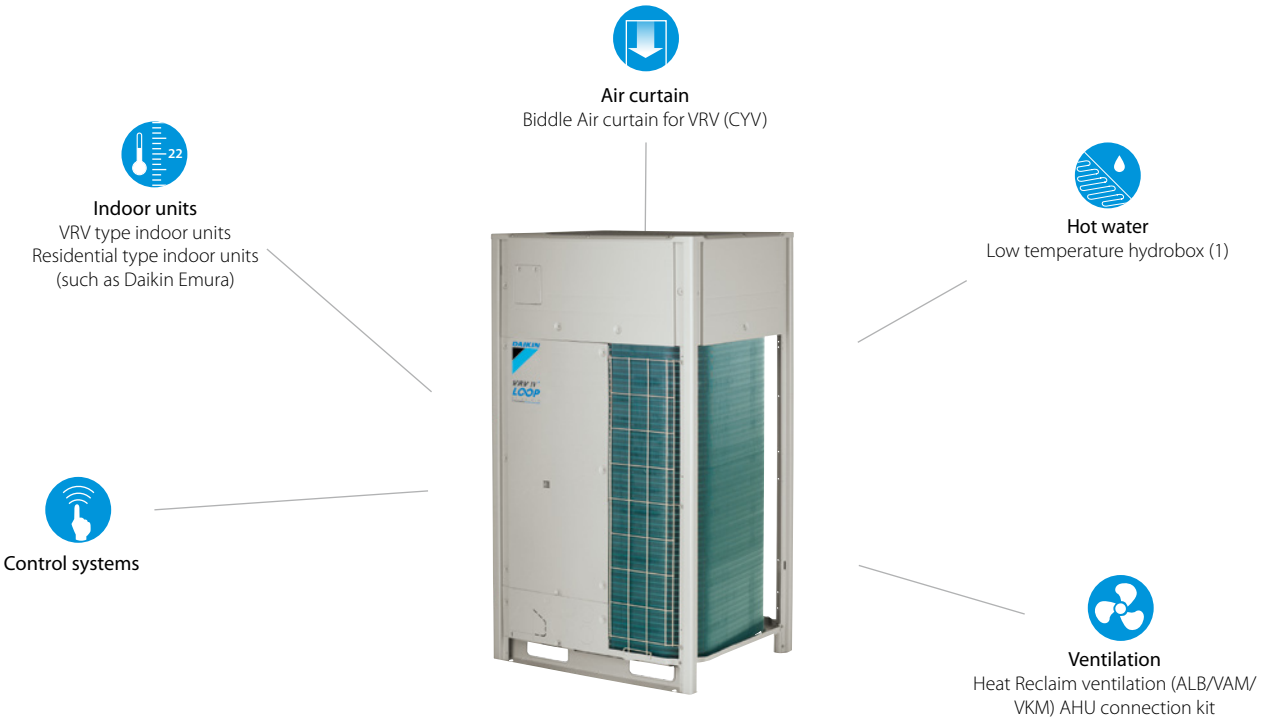
BS-Q14AV1B

Indoor Unit				BS	4Q14AV1B	6Q14AV1B	8Q14AV1B	10Q14AV1B	12Q14AV1B	16Q14AV1B
Maximum number of connectable indoor units					20	30	40	50	60	64
Maximum capacity index of connectable indoor units					400	600	750			
Dimensions	Unit	HeightxWidthxDepth		mm	298x370x430	298x580x430		298x820x430		298x1,060x430
Weight	Unit			kg	17.0	24.0	26.0	35.0	38.0	50.0
Casing	Material				Galvanised steel plate					
Piping connections	Outdoor unit	Liquid	OD	mm	9.52	12.7	12.7/15.9	15.9	15.9/19.1	19.1
		Gas	OD	mm	22.2/19.1	28.6/22.2	28.6	28.6/34.9		34.9
		Discharge gas	OD	mm	19.1/15.9	19.1/22.2	19.1/22.2/28.6	28.6		
	Indoor unit	Liquid	OD	mm	6.35/9.52					
		Gas	OD	mm	12.7/15.9					
Sound absorbing thermal insulation					Urethane foam, polyethylene foam					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
	Maximum fuse amps (MFA)			A	15					

Contains fluorinated greenhouse gases

VRV IV+ heat pump

Daikin's optimum solution with top comfort



LOOP BY DAIKIN

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

Continuous heating

The new standard in heating comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

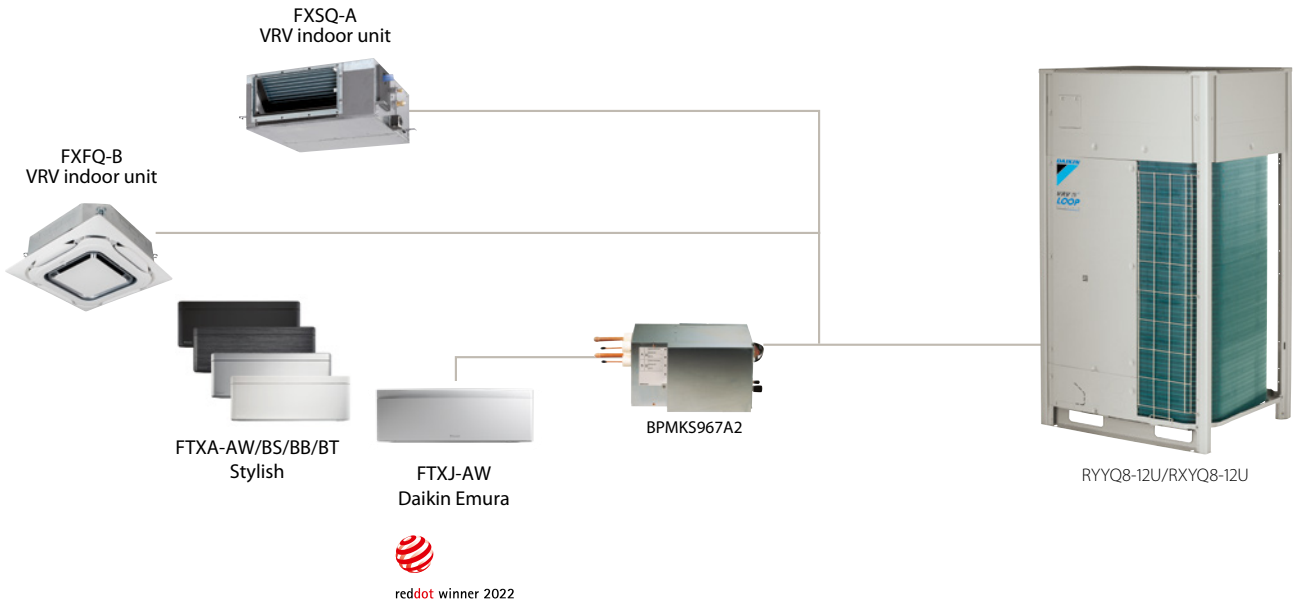
- 7 segment display
- Automatic refrigerant charge
- Refrigerant containment check
- Night quiet mode
- Low noise function
- Connectable to stylish indoor units (Only for single modules)
- Connectable to LT hydrobox (1)
- Full inverter compressors
- Gas cooled PCB
- 4 side heat exchanger
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

(1) Special order unit needed to connect LT hydroboxes with multi outdoor unit systems
For detailed explanation of these functions refer to vrv iv technologies tab

Mix of
RA units & VRV units

Wide range of indoor units

Freely combine VRV indoor units with stylish indoor units (Daikin Emura, ...)



Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	●	●	●		●		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT	●	●	●	●	●		
Perfera wall mounted	FTXM-R	●	●	●	●	●	●	●
Perfera floor standing NEW	FVXM-A9	●	●	●		●		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

VRV IV

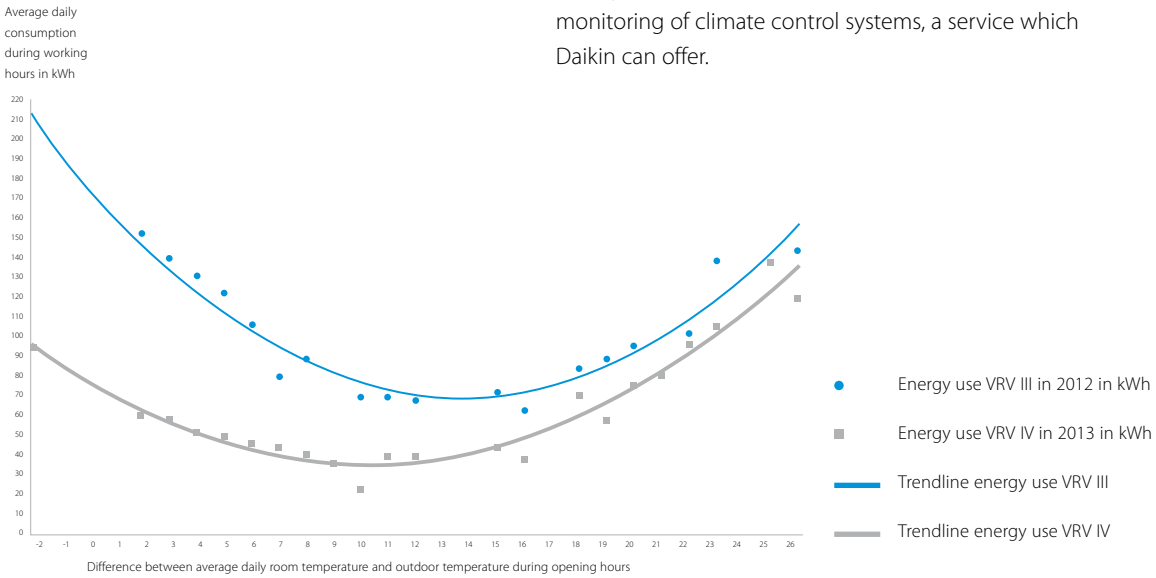
proven in practice: 40% more efficient

A field trial at a German fashion chain store demonstrated how the innovative features of VRV IV have improved energy efficiency dramatically over previous models.

Results: up to 60% less energy consumed

The results of the trial showed that the new VRV IV system consumed much less energy, particularly when cooling, compared with the VRV III system – in some cases up to 60% less. When heating, savings were an average of 20%.

The Unterhaching trial demonstrates how VRV IV heat pump technology uses a renewable energy source – air - to provide a complete and environmentally sustainable solution for heating, cooling, and ventilation in commercial environments. The trial also shows that businesses can only identify and control energy wastage through careful and intelligent monitoring of climate control systems, a service which Daikin can offer.



	VRV III 20HP (2 modules)	VRV IV 18HP (1 module)
Period	March 2012 - February 2013	March 2013 - February 2014
Avg (kWh/Month)	2.797	1.502
Total (KWh)	33.562	18.023
Total (€)	6.041	3.244
Yearly (operation cost/m² (€/m²)	9.9	5.3
	46% savings = € 2.797	

Measured data

Fashion store Unterhaching (Germany)

› Floor space: 607m²
› Energy cost: 0.18 €/kWh
› System taken into account for consumption:
- VRV IV heat pump with continuous heating
- Round flow cassettes (without auto cleaning panel)
- VAM for ventilation (2x VAM2000)
- Biddle Air curtain.

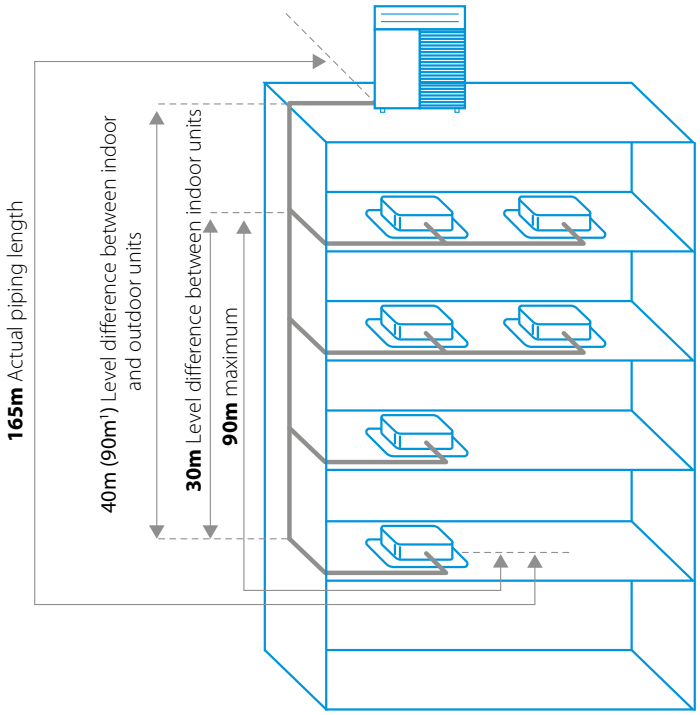
Free combination of outdoor units

Freely combine outdoor units to optimise for small footprint, continuous heating, highest efficiency or any other combination

Flexible piping design

Total piping length	1,000m
Longest length actual (Equivalent)	165m (190m)
Longest length after first branch	90m[1]
Level difference between indoor and outdoor units	90m[1]
Level difference between indoor units	30m

1 Contact your local dealer for more information and restrictions
2 in case outdoor unit is located below indoor units



VRV IV+ heat pump

Daikin's optimum solution with top comfort

- By choosing a LOOP by Daikin product you support the reuse of refrigerant, for more information visit www.daikin.eu/loop-by-daikin
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Available as heating only by irreversible field setting
- Contains all standard VRV features

LOOP BY DAIKIN

For units made and sold in Europe**

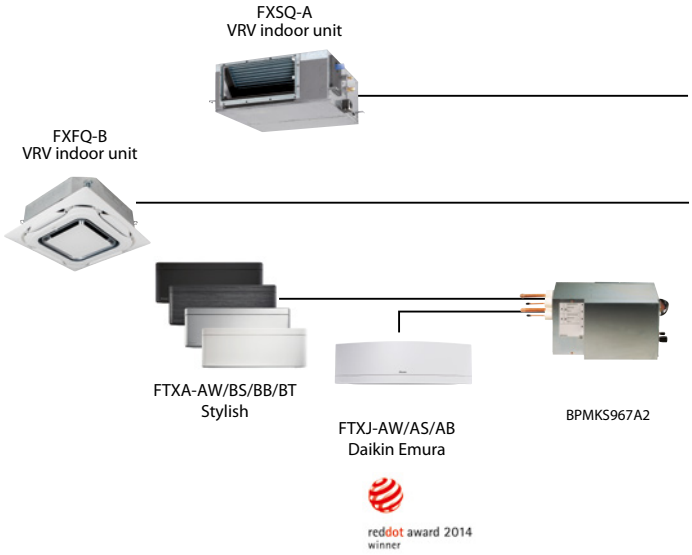
ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit			RYYQ/RXYQ	8U*	10U*	12U*	14U*	16U*	18U*	20U*
Capacity range			HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c		kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h		kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB	kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination				4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c			%	302.4	267.6	247.8	250.7	236.5	238.3	233.7
ηs,h			%	167.9	168.2	161.4	155.4	157.8	163.1	156.6
SEER				7.6	6.8	6.3		6.0		5.9
SCOP				4.3		4.1	4.0		4.2	4.0
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Max.			260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	RYYQ: 252 / RXYQ: 201			RYYQ: 319 / RXYQ: 281		RYYQ: 378 / RXYQ: 314	
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h	dBA	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.	dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0						
	Heating	Min.~Max.	°CWB	-20.0 ~15.5						
Refrigerant	Type/GWP			R-410A/2,087.5						
	Charge		kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD	mm	9.52		12.7			15.9	
	Gas	OD	mm	19.1	22.2	28.6				
	Total piping length	System Actual	m	1,000						
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		40		50

Outdoor unit system		RYYQ/RXYQ	22U*	24U*	26U*	28U*	30U*	32U*	34U*	36U*	38U*
System	Outdoor unit module 1		10	8	12			16			8
	Outdoor unit module 2		12	16	14	16	18	16	18	20	10
	Outdoor unit module 3		-								20
Capacity range		HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Prated,c	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4
Heating capacity	Prated,h	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	106.4
	Max. 6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended combination			6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB	3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x FXFQ63AVEB
ηs,c		%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4
ηs,h		%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5
SEER			6.9	6.8	6.7	6.5		6.4		6.3	6.9
SCOP			4.4	4.3	4.2		4.3	4.2		4.1	4.3
Maximum number of connectable indoor units			64 (1)								
Indoor index connection	Min.		275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0
	Nom.		-								
	Max.		715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0
Piping connections	Liquid	OD mm	15.9		19.1						
	Gas	OD mm	28.6	34.9						41.3	
	Total piping length	System Actual m	1,000								
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)	A	63				80				100



RYYQ8-12U

Connectable stylish indoor units

			20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit		FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit		FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted		FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	NEW	FVXM-A9	•	•	•		•		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

RYYQ-U RXYQ-U

Outdoor unit system			RYYQ/RXYQ	40U*	42U*	44U*	46U*	48U*	50U*	52U*	54U*
System	Outdoor unit module 1			10		12	14		16		18
	Outdoor unit module 2			12		16				18	
	Outdoor unit module 3			18		16			18		
Capacity range			HP	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
	Max.	6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended combination				9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB	1x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	12x FXFQ63AVEB + 6x FXFQ80AVEB	3x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 14x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 15x FXFQ63AVEB
ηs,c			%	263.5	261.2	255.9	254.9	251.7	252.8	253.7	254.1
ηs,h			%	170.0	165.5	164.5	162.0	162.8	165.2	167.2	169.4
SEER				6.7	6.6	6.5			6.4		
SCOP				4.3	4.2		4.1		4.2	4.3	
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Max.			1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm	19.1							
	Gas	OD	mm	41.3							
	Total piping length	System Actual	m	1,000							
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)		A	100				125			

Outdoor unit module			RYMQ	8U*	10U*	12U*	14U*	16U*	18U*	20U*
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	198			275		308	
Fan	External static pressure	Max.	Pa	78						
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h	dBA	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.	dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0						
	Heating	Min.~Max.	°CWB	-20.0 ~15.5						
Refrigerant	Type/GWP			R-410A/2,087.5						
	Charge		kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		40		50

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | Contains fluorinated greenhouse gases

* Units sourced from different factories. Depending on your region your model name might be different.

** EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV IV S-series heat pump

The most compact VRV

Most compact unit on the market 823mm high & 94kg

Control systems

Indoor units
VRV type indoor units
Residential type indoor units (such as Daikin Emura)

Air curtain
Biddle Air curtain for VRV (CYV)

Ventilation
Heat Reclaim ventilation
ALB/VAM/VKM AHU connection kit

RXYSCQ4,5,6TV1

RXYSQ4,5,6TV9/TY9

RXYSQ8, 10, 12TY1

LOOP BY DAIKIN

for RXYSQ4,5,6TV9/TY9 units

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

- Refrigerant containment check
- Night quiet mode
- Low noise function
- Connectable to stylish indoor units
- Full inverter compressors
- Refrigerant cooled PCB (not available on RXYSQ4,5,6,8 TY9/TY1)
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

For detailed explanation of these functions refer to vrv iv technologies tab

Widest range of front blow units on the market

Compact:
Easy for a two person crew to move and install.

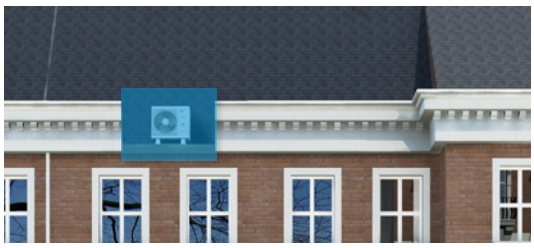
Lowest height on the market

Ideal for roof installations

› The low height mini VRV can be hidden in many places where a twin fan unit cannot due to its height.

Ideal to install below a window on a Balcony

› Daikin VRV IV S-series compact can be installed discretely on a balcony thanks to it's compact dimensions, offering you air conditioning while being almost unnoticeable.

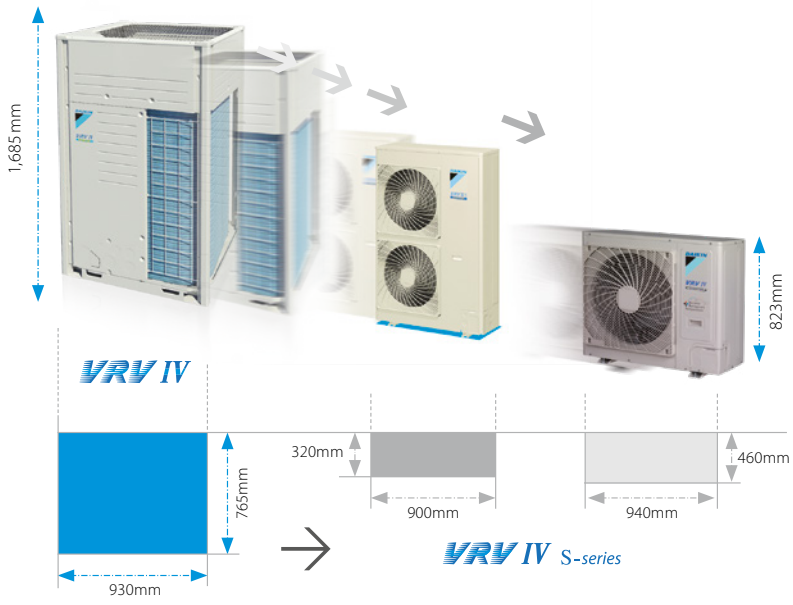


Unnoticeable for parapet installation

Low height make the unit invisible from inside and unnoticeable from the outside

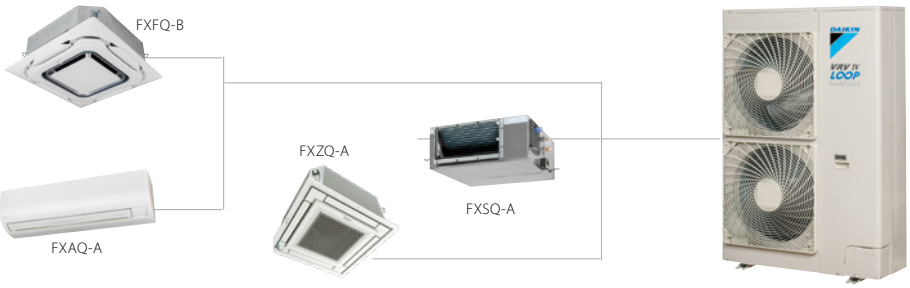
Space saving design

The VRV S-series is slimmer and more compact, resulting in significant savings in installation space.

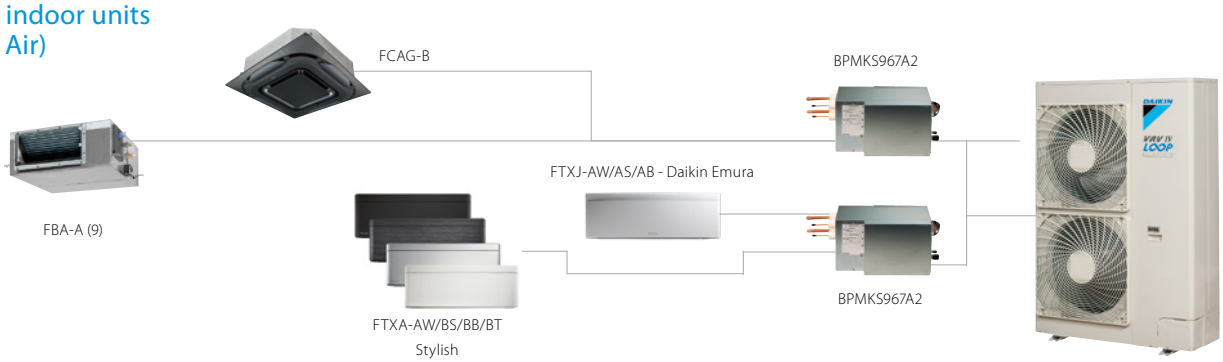


Wide range of indoor units

Connect VRV units…



… or stylish indoor units (RA and Sky Air)



Connectable stylish indoor units

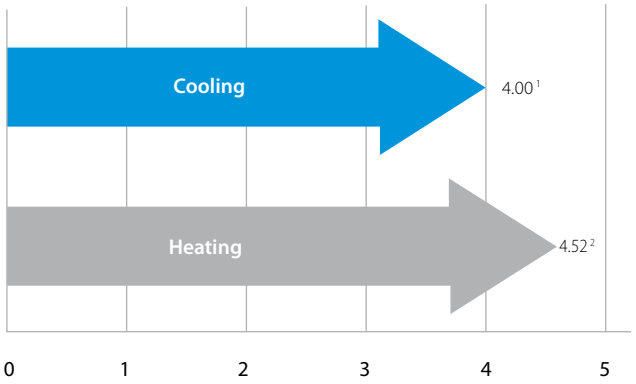
		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		●	●	●		●		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT		●	●	●	●	●		
Perfera wall mounted	FTXM-R	●	●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	●
Perfera floor standing	FVXM-A9		●	●	●		●		
Concealed floors tanding unit	FNA-A9			●	●		●	●	

High COP values

A major feature of VRV IV S-series is its exceptional energy efficiency. The system achieves high COPs during both cooling and heating operation by the use of refined components and functions.

[1] Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°C, equivalent refrigerant piping: 5m, level difference: 0m.

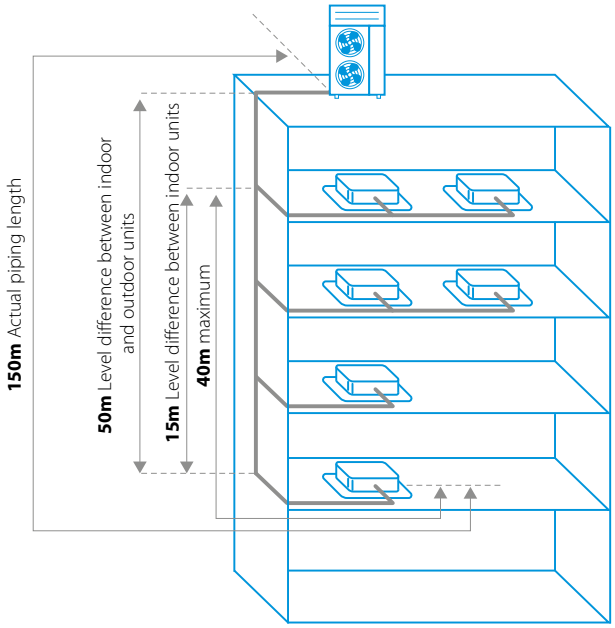
[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m



Flexible piping design

	VRV indoors connected	Stylish indoors connected
Total piping length	300m	140m
Longest length actual	120m (4-8HP)/ 150m (10-12HP)	
Minimum length between outdoor unit and first branch	-	5m
Minimum piping length between BP and indoor unit	-	2m
Maximum piping length between BP and indoor unit	-	15m
Longest length after first branch	40m	40m
Level difference between indoor and outdoor units	50m (40m[1])	30m
Level difference between indoor units	15m	15m

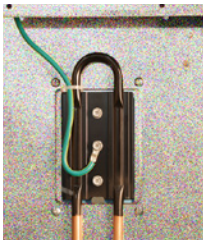
[1] Outdoor unit in lowest position



VRV IV S-series
technologies

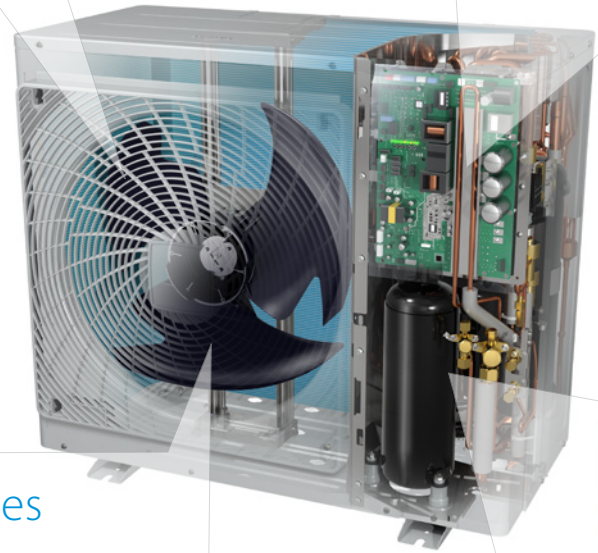
Super aero grille

The spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.

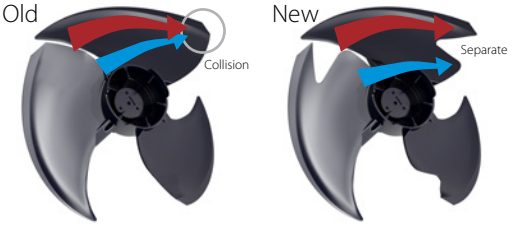


Refrigerant-cooled PCB

› Reliable cooling because it is not influenced by ambient air temperature
› Smaller switchbox for smoother air flow through the heat exchanger increasing heat exchange efficiency with 5%

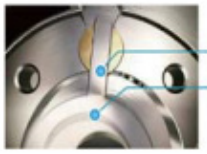


Improved fan blades



Air streams collide and generate loss

Air streams are smoothed around V-cut and reduces air flow loss

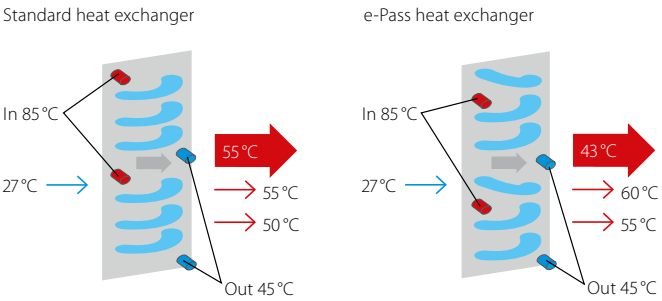


Compressor

Swing type **> no oil separator**
Vane & rotor are unified resulting in:
› Reduced noise level
› Longer compressor life
› Higher efficiency thanks to the absence of internal refrigerant leakage between high and low pressure side

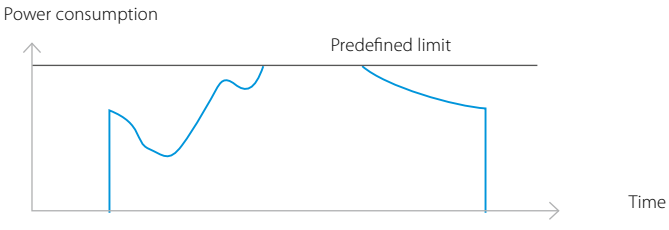
E-Pass heat exchanger

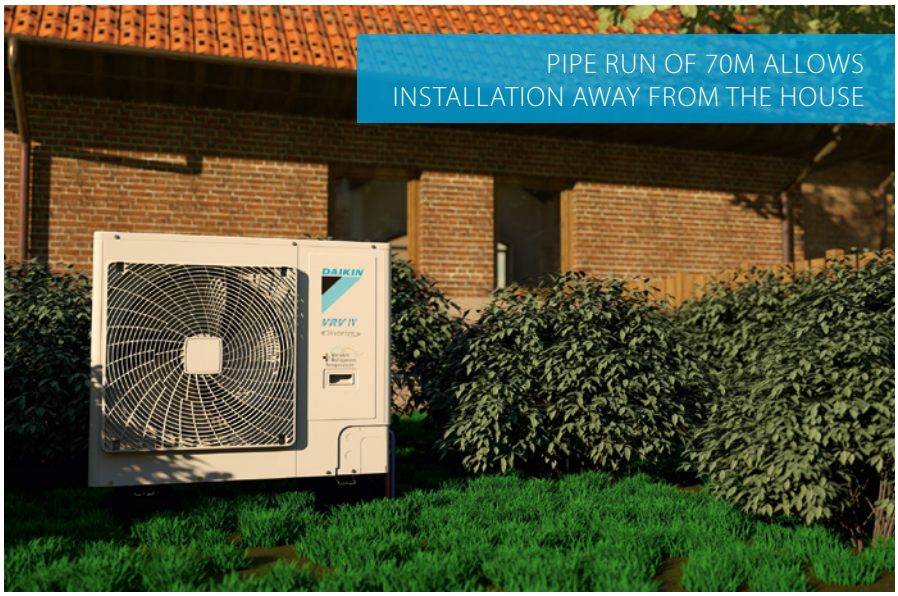
Optimising the heat exchanger's path layout prevents heat being transferred from the overheated gas section to the sub-cooled liquid section which is a more efficient way to use the heat exchanger.



I-demand function

Limit maximum power consumption.
The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.




PIPE RUN OF 70M ALLOWS
INSTALLATION AWAY FROM THE HOUSE

LARGE VILLA APPLICATION

PARAPET INSTALLATION

OFFICE ROOFTOP INSTALLATION

VRV IV S-series compact heat pump

The most compact VRV

- Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Perfera...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Night quiet mode reduces sound pressure with up to 8dBa
- Contains all standard VRV features

RXYSCQ-TV1

Only 823mm high!

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		●	●	●		●		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT		●	●	●	●	●		
Perfera wall mounted	FTXM-R	●	●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	●
Perfera floor standing	FVXM-A9		●	●	●		●		
Concealed floors tanding unit	FNA-A9			●	●		●	●	

More details and final information can be found by scanning or clicking the QR codes.

RXYSCQ-TV1

Outdoor unit			RXYSCQ	4TV1	5TV1	6TV1
Capacity range			HP	4	5	6
Cooling capacity	Prated,c		kW	12.1	14.0	15.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5
	Max.	6°CWB	kW	14.2	16.0	18.0
Recommended combination				3x FXSQ25A2VEB + 1x FXSQ32A2VEB	4x FXSQ32A2VEB	2x FXSQ32A2VEB + 2x FXSQ40A2VEB
ηs,c			%	322.8	303.4	281.3
ηs,h			%	182.3	185.1	186.0
SEER				8.1	7.7	7.1
SCOP				4.6	4.7	
Maximum number of connectable indoor units				64 (1)		
Indoor index connection	Min.			50.0	62.5	70.0
	Max.			130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth	mm	823x940x460		
Weight	Unit		kg	89		
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0
	Heating	Prated,h	dBA	69.0	70.0	71.0
Sound pressure level	Cooling	Nom.	dBA	51.0	52.0	53.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~46.0		
	Heating	Min.~Max.	°CWB	-20.0 ~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	3.7/7.7		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Total piping length	System Actual	m	300		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A	32		

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%). | Contains fluorinated greenhouse gases

VRV IV S-series heat pump

Space saving solution without compromising on efficiency

- By choosing this product with LOOP by Daikin you support the reuse of refrigerant
- Space saving trunk design for flexible installation
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Perfera...
- Wide range of units (4 to 12HP) suitable for projects up to 200m² with space limitations
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features

RXYSQ4-6TV9_TY9

LOOP BY DAIKIN

For units made and sold in Europe*

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		●	●	●		●		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT		●	●	●	●	●		
Perfera wall mounted	FTXM-R	●	●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	●
Perfera floor standing	FVXM-A9		●	●	●		●		
Concealed floors tanding unit	FNA-A9			●	●		●	●	

More details and final information can be found by scanning or clicking the QR codes.

RXYSQ-TV9 RXYSQ-TY9 RXYSQ-TY1

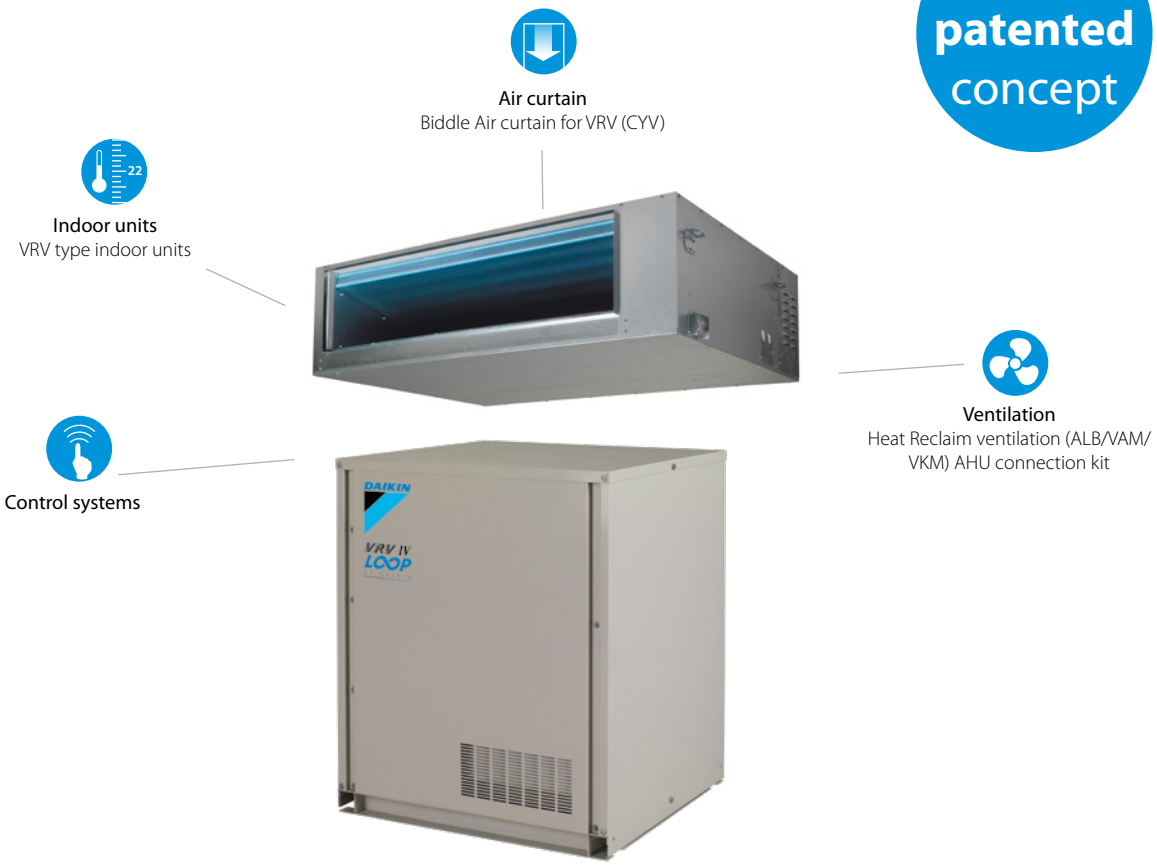
Outdoor unit			RXYSQ	4TV9	5TV9	6TV9	4TY9	5TY9	6TY9	8TY1	10TY1	12TY1
Capacity range			HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
Recommended combination				3x FXSQ25A2VEB + 1x FXSQ32A2VEB	4x FXSQ32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	3x FXSQ25A2VEB + 1x FXSQ32A2VEB	4x FXSQ32A2VEB	2x FXSQ32A2VEB + 2x FXSQ40A2VEB	4x FXMQ50P7VEB	4x FXMQ63P7VEB	6x FXMQ50P7VEB
ηs,c			%	278.9	270.1	278.0	269.2	260.5	268.3	247.3	247.4	256.5
ηs,h			%	171.6	182.9	192.8	154.4	164.5	174.1	165.8	162.4	169.6
SEER				7.0	6.8	7.0	6.8	6.6	6.8	6.3		6.5
SCOP				4.4	4.6	4.9	3.9	4.2	4.4	4.2	4.1	4.3
Maximum number of connectable indoor units				64 (1)								
Indoor index connection	Min.			50.0	62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0
	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320						1,430x940x320	1,615x940x460	
Weight	Unit		kg	104						144	175	180
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
	Heating	Prated,h	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
Sound pressure level	Cooling	Nom.	dBA	50.0	51.0		50.0	51.0		55.0		57.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~46.0						-5.0 ~52.0		
	Heating	Min.~Max.	°CWB	-20.0 ~15.5								
Refrigerant	Type/GWP			R-410A/2,087.5								
	Charge		kg/TCO2Eq	3.6/7.5						5.5/11.5	7.0/14.6	8.0/16.7
Piping connections	Liquid	OD	mm	9.52								12.7
	Gas	OD	mm	15.9		19.1	15.9		19.1		22.2	25.4
	Total piping length	System Actual	m	300								
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240			3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	32			16			25		32

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%). | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV IV i-series heat pump

for indoor installation

unique **patented** concept



LOOP BY DAIKIN

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

VRV configurator

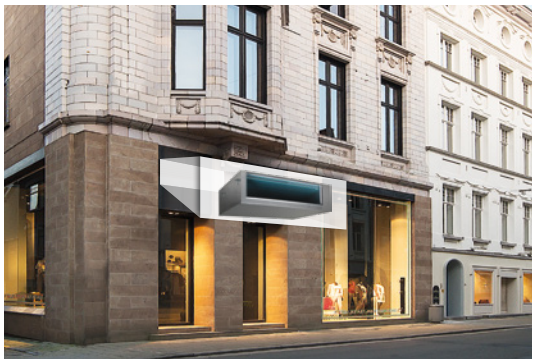
Software for simplified commissioning, configuration and customisation

- Night quiet mode
- Full inverter compressors
- Low noise function
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

For detailed explanation of these functions refer to VRV iv technologies tab

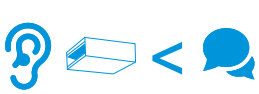
Invisible

› Consider a wider range of properties because outdoor installation is not a factor
› Open for business sooner because getting building permits is simplified
› Seamless integration into the surroundings as only the grille is visible
› No need for a roof installation or back alley installation

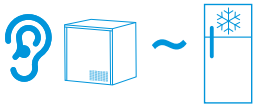


Quiet

› Highly suited to densely populated areas such as city centres thanks to their low operating sound
› Dedicated modes reduce sound further to comply with inner-city noise regulations



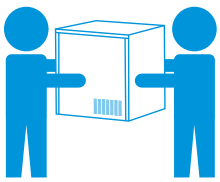
Heat exchanger sound not louder than a normal conversation



Compressor sound not louder than a refrigerator

Lightweight parts

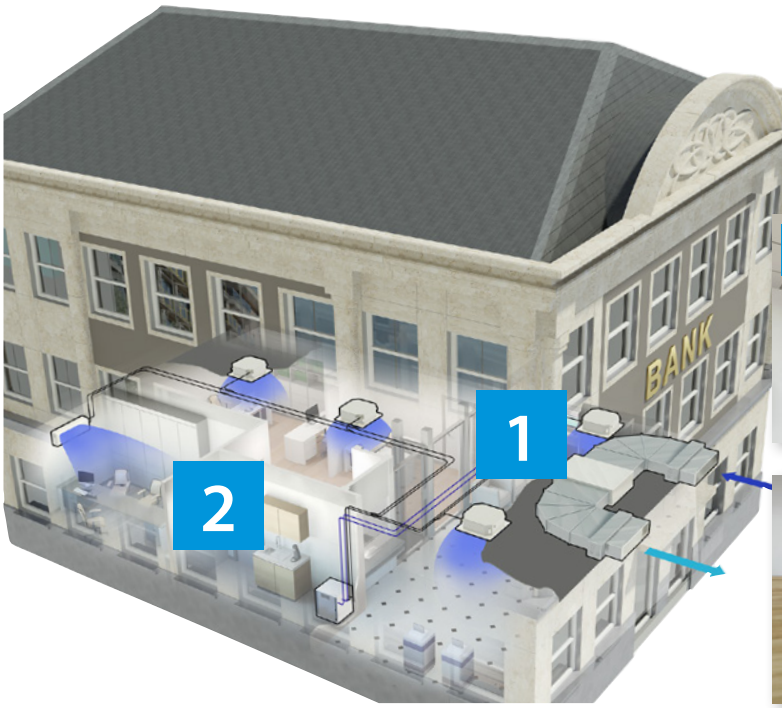
› can be installed by two people

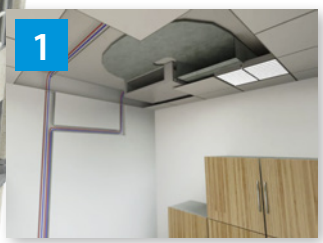


Unique split outdoor unit for indoor installation

Compact and easy to hide, the compressor can be installed at floor level, in a back office, storage room, technical area or in a kitchen, while the heat exchanger can be installed in a false ceiling space. This means that the air conditioning system is completely invisible and does not take up expensive commercial floor space.

Unrivalled flexibility thanks to the fact that the outdoor unit is split into two parts

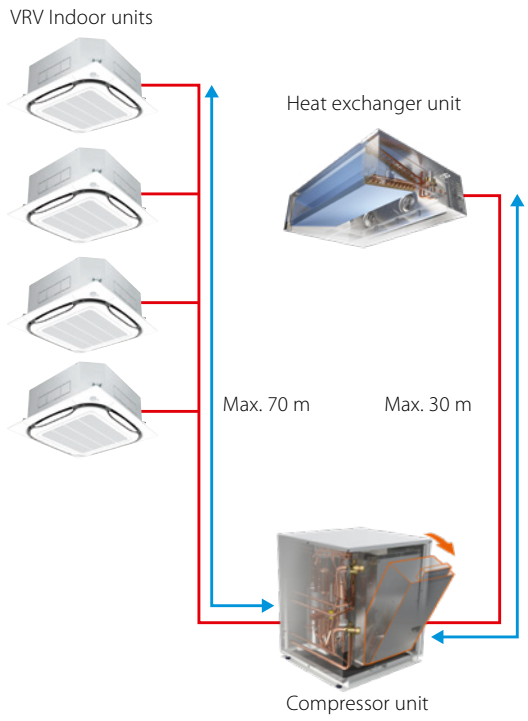




1. The heat exchanger can be installed in a false ceiling space.

2. The compressor is compact and easy to hide, this element can be installed at floor level, in a back office, storage room, technical area or in a kitchen.

This means that the air conditioning system is completely invisible and does not take up expensive commercial floor space.



Max. total piping length: 140m (5HP) / 300m (8HP)

Invisible air suction and air discharge

The problem solver

for many installation issues

Example 1

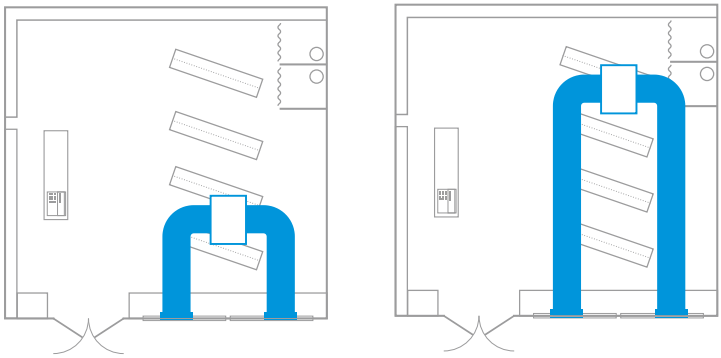
High flexibilty

The other way around: install the modules where if fits your customer, not where it is the best fit for the outdoor unit

If there is no flat roof or backgarden available for installation of the outdoor unit, VRV IV i-series offers the solution.

The suction and exhaust can be installed at the façade or at the rear of the building as the inverter fans allows ESP to be adjusted to the length of the ductwork.

The compressor module can be installed up to 30 m from the heat exchanger unit in a storage room, ...



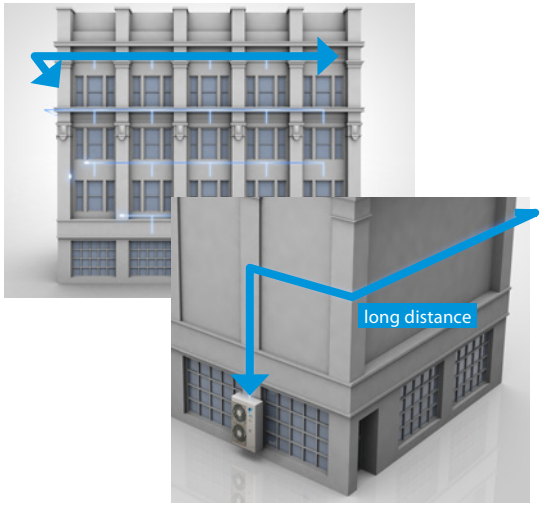
Flexible installation thanks to inverter fans

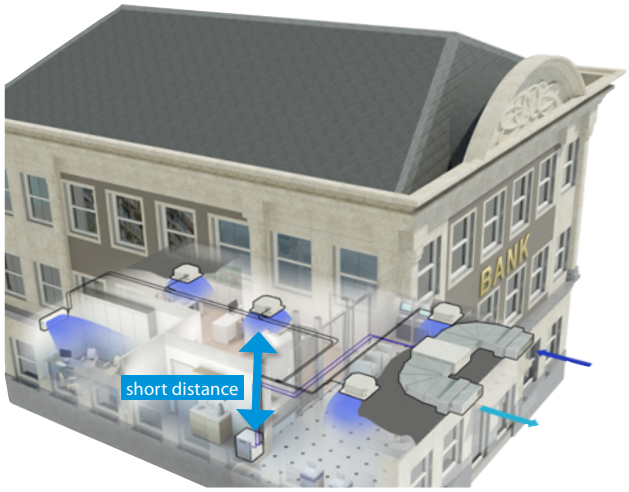
Example 2

Shorter pipe runs to the indoor units reduces installation costs compared to rooftop or back alley installation

Back alley or rooftop needs very long piping lengths
› Long installation time
› Additional cost
› Capacity loss

VRV IV i-series can be installed close to the indoor units
› Quicker installation
› Lower cost
› No capacity loss



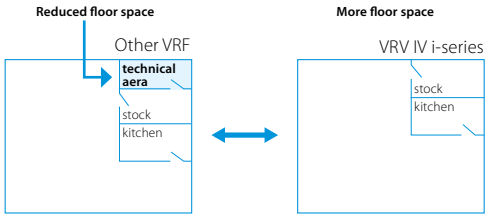


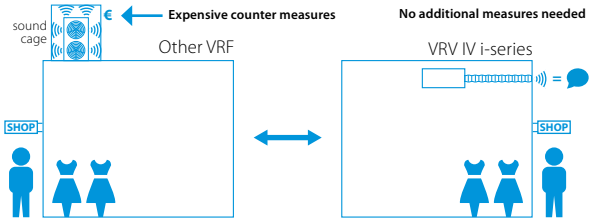
Example 3

No need for bulky and expensive sound countermeasures

To comply with city regulation countermeasures are needed for standard units
› Expensive sound cages might be needed to reduce sound (standard outdoor unit sound = 50~60 dBA)
› Inside installation using expensive floor space

With VRV IV i-series you easily comply with city regulation without additional measures
› Operation sound 47 dBA for 5HP model (flexible to install in corridor, shop area, …) or lower with attenuator
› No floor space is used as units can be installed in false ceiling, against the wall, …





Patented V-shape heat exchanger

for best surface to volume ratio

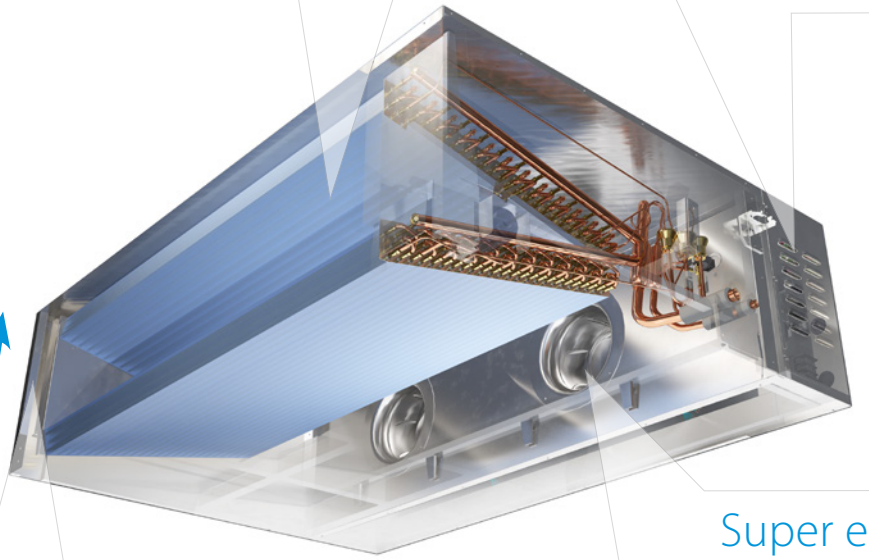
8 patents

Optimised air flow and temperature distribution

› Best performance for defrost (tested in high humidity down to -20°C).

Patented perforated and insulated partition plate

› Reduces conductivity and prevents cold bridges

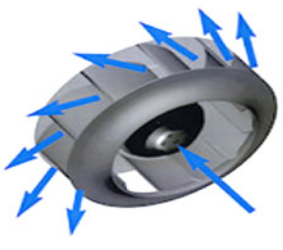


Only 400mm high

› Fits easily in any false ceiling

Super efficient centrifugal fans

› Over 50% efficiency increase compared to sirocco fan
› Patented backward- curved blade technology
› More pressure increase



Standard delivered filter

› with the unit to prevent dirt from entering the heat exchanger

Compressor unit with rotating switchbox

Flexible and easy to install

Flexibility by back and top refrigerant connection possibility

Rotating switchbox

› For easy access to all compressor parts

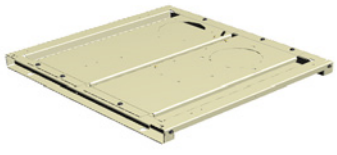
Only **77 kg** (5HP)

Tube-in-tube subcool heat exchanger

› This patented heat exchanger increases the capacity of the system by ensuring optimal state of refrigerant in the heat exchanger module. This in turn increases overall efficiency.

No drain connection needed

› Thanks to natural evaporation
› Minimized cold surface to reduce dew formation
› Fast and easy installation



Non welded bottom casing

› Avoids any corrosion risk

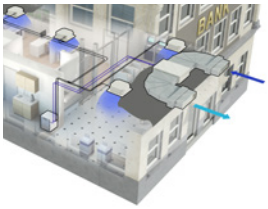
Small footprint

› Maximizes useable floor space (600 x 554 mm for 5HP)
› Can easily be mounted in a storage room, back office, …

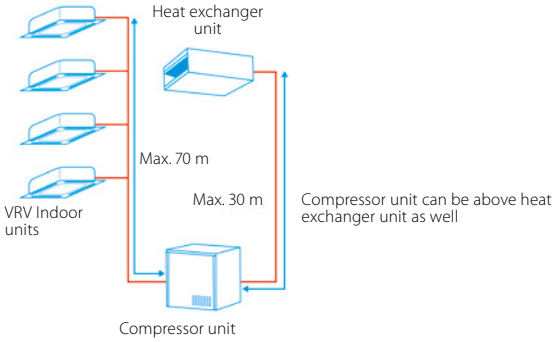
VRV IV heat pump for indoor installation

The invisible VRV

› Unique VRV heat pump for indoor installation



› Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor



› Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible
› Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors
› Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains

SB.RKXYQ5T8

› Lightweight units (max. 105kg) can be installed by two people
› Unique V-shape heat exchanger results in compact dimensions (h/e unit only 400mm high) allowing false ceiling installation, while ensuring top efficiency
› Super efficient centrifugal fans (over 50% efficiency increase compared to sirocco fan)
› Small footprint compressor unit (760 x 554 mm) maximizing useable floor space
› Connectable to all VRV control systems

LOOP BY DAIKIN
For units made and sold in Europe*

ErP 2021 COMPLIANT
Already fully compliant to LOT 21 - Tier 2
Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

SB.RKXYQ-T SB.RKXYQ-T8

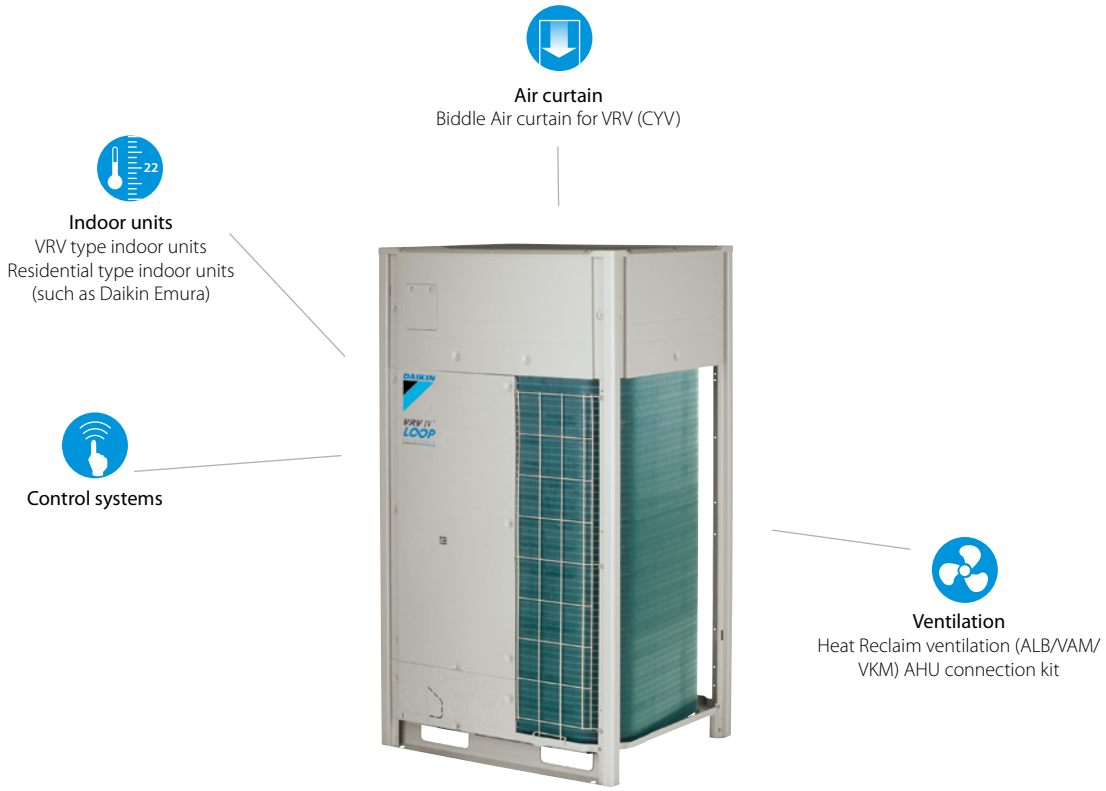
Outdoor unit system				**SB.RKXYQ**	**5T8**	**8T**
System	Heat exchanger unit				RDXYQ5T8	RDXYQ8T
	Compressor unit				RKXYQ5T8	RKXYQ8T
Capacity range				HP	5	8
Cooling capacity	Prated,c			kW	14.0	22.4
Heating capacity	Prated,h			kW	10.4	12.9
	Max.	6°CWB		kW	16.0	25.0
Recommended combination					4x FXSQ32A2VEB	4x FXMQ50P7VEB
ηs,c				%	200.1	191.1
ηs,h				%	149.3	140.9
SEER					5.1	4.9
SCOP					3.8	3.6
Maximum number of connectable indoor units					10 (1)	17 (1)
Indoor index connection	Min.				62.5	100.0
	Max.				162.5	260.0
Piping connections	Between Compressor module (CM) and heat exchanger module (HM)	Liquid	OD	mm	12.7	
		Gas	OD	mm	19.1	22.2
	Between Compressor module (CM) and indoor units (IU)	Liquid	OD	mm	9.52	
		Gas	OD	mm	15.9	19.1
	Total piping length	System	Actual	m	140	300

					Heat exchanger module - RDXYQ		**Compressor module - RKXYQ**	
Outdoor unit module					**5T8**	**8T**	**5T8**	**8T**
Dimensions	Unit	HeightxWidthxDepth		mm	397x1,456x1,044		701x600x554	701x760x554
Weight	Unit			kg	95	103	79	105
Sound power level	Cooling	Nom.		dBA	77.0	81.0	60.0	64.0
Sound pressure level	Cooling	Nom.		dBA	47.0	54.0	47.0	48.0
Refrigerant	Type/GWP				R-410A/-		R-410A/2,087.5	
	Charge			kg/TCO2Eq	-/-		2.00/4.20	4.00/8.35
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	10		16	20

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤ 130%).

VRV IV C+ series

Where heating is priority without compromising on efficiency



LOOP BY DAIKIN

- 7 segment display
- Automatic refrigerant charge
- Refrigerant containment check
- Night quiet mode
- Low noise function
- Connectable to stylish indoor units (Only for single modules)
- Full inverter compressors
- Gas cooled PCB
- 4 side heat exchanger
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

VRV IV+ heat pump, optimised for cold climates

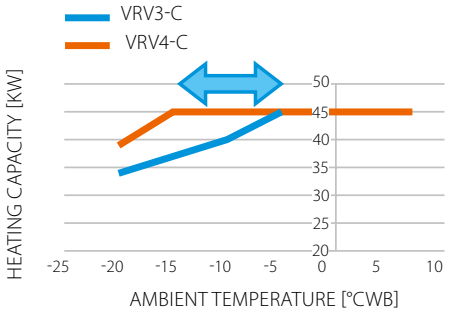
RXYLQ-T

Variable Refrigerant Temperature

Where heating is priority without compromising on efficiency

High heating capacity at low ambient temperatures

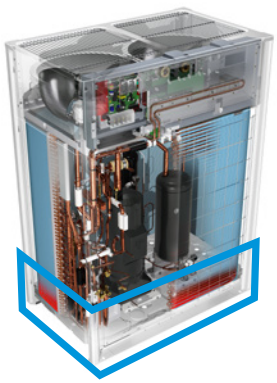
› Stable heating capacity available down to -15°C WB!



High partial load efficiency

› New vapour injection scroll compressor optimised for low load
- UNIQUE back-pressure control: Pressure port increases pressure below the scroll in low load operation, preventing refrigerant leak and increasing efficiency
- UNIQUE Injection structure with check valve: Prevents volume backflow during low load operation typically occuring with standard vapour injection compressors

› Variable Refrigerant Temperature adjusts refrigerant temperature to match the load



High reliability down to -25°C WB

› Hot gas bypass prevents ice buildup at the bottom of the heat exchanger

Already fully compliant
to LOT 21 - Tier 2

High seasonal efficiency

› **Measured with indoor units for real applications!**
› ALL information for indoor units used available on our eco-design website:
Already fully compliant https://energylabel.daikin.eu/eu/en_US/lot21.html

The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ☑ VRV configurator

Total solution

Daikin Emura
Wall mounted unit

Fully flat cassette

Biddle air curtain

Air handling unit for ventilation

Low temperature hydrobox

VRV IV heat pump, optimised for heating

Where heating is priority without compromising on efficiency

- By choosing this product with LOOP by Daikin you support the reuse of refrigerant
- Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- Stable heating capacity down to -15°C, thanks to vapour injection compressor
- Extended operation range down to -25°C in heating
- High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- Shorter defrost and heat up time, compared to standard VRV heat pump
- Very economical solution as a smaller outdoor unit model can be used compared to the standard series
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- Less installation time and smaller footprint compared to previous model thanks to removal of function unit

LOOP BY DAIKIN

For units made and sold in Europe*

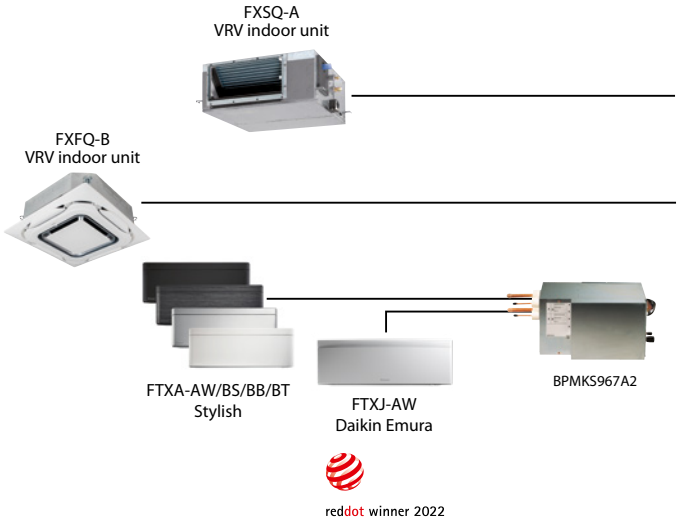
ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit			**RXYLQ**	**10T**	**12T**	**14T**
Capacity range			HP	10	12	14
Cooling capacity	Prated,c		kW	28.0	33.5	40.0
Heating capacity	Prated,h		kW	31.5	37.5	45.0
	Max.	6°CWB	kW	31.5	37.5	45.0
Recommended combination				4x FXMQ63P7VEB	6x FXMQ50P7VEB	1x FXMQ50P7VEB + 5x FXMQ63P7VEB
ηs,c			%	251.4	274.4	270.1
ηs,h			%	144.3	137.6	137.1
SEER				6.4	6.9	6.8
SCOP				3.7	3.5	
Maximum number of connectable indoor units				64 (1)		
Indoor index connection	Min.			175	210	245
	Nom.			250	300	350
	Max.			325	390	455
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x1,240x765		
Weight	Unit		kg	302		
Sound power level	Cooling	Nom.	dBA	77.0	81.0	
Sound pressure level	Cooling	Nom.	dBA	56.0	59.0	
Operation range	Cooling	Min.~Max.	°CDB	-5 ~43		
	Heating	Min.~Max.	°CWB	-25 ~16		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	11.8/24.6		
Piping connections	Liquid	OD	mm	9.52	12.7	
	Gas	OD	mm	22.2	28.6	
	Total piping length	System Actual	m	500		
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	25	32	

Outdoor unit system			**RXYLQ**	**16T**	**18T**	**20T**	**22T**	**24T**	**26T**	**28T**
System	Outdoor unit module 1			RXMLQ8T		RXYLQ10T		RXYLQ12T		RXYLQ14T
	Outdoor unit module 2			RXMLQ8T		RXYLQ10T	RXYLQ12T		RXYLQ14T	
Capacity range			HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c		kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h		kW	50.0	56.5	63.0	69.0	75.0	82.5	90.0
	Max.	6°CWB	kW	50.0	56.5	63.0	69.0	75.0	82.5	90.0
Recommended combination				4x FXMQ63P7VEB + 2x FXMQ80P7VEB	3x FXMQ50P7VEB + 5x FXMQ63P7VEB	2x FXMQ50P7VEB + 6x FXMQ63P7VEB	6x FXMQ50P7VEB + 4x FXMQ63P7VEB	4x FXMQ50P7VEB + 4x FXMQ63P7VEB + 2x FXMQ80P7VEB	7x FXMQ50P7VEB + 5x FXMQ63P7VEB	6x FXMQ50P7VEB + 4x FXMQ63P7VEB + 2x FXMQ80P7VEB
ηs,c			%	261.8	255.7	251.4	263.0	274.4	270.8	270.1
ηs,h			%	138.0	140.5	144.3	140.3	137.6	137.1	
SEER				6.6	6.5	6.4	6.6	6.9	6.8	
SCOP				3.5	3.6	3.7	3.6	3.5		
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			280	315	350	385	420	455	490
	Nom.			400	450	500	550	600	650	700
	Max.			520	585	650	715	780	845	910
Piping connections	Liquid	OD	mm	12.7	15.9				19.1	
	Gas	OD	mm	28.6				34.9		
	Total piping length	System Actual	m	500						
Current - 50Hz	Maximum fuse amps (MFA)		A	40	45	50	60			



RXYLQ16-28T

Connectable stylish indoor units

			20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit		FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit		FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted		FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	NEW	FVXM-A9	•	•	•		•		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

RXYLQ-T

Outdoor unit system			RXYLQ	30T	32T	34T	36T	38T	40T	42T
System	Outdoor unit module 1			RXYLQ10T			RXYLQ12T			RXYLQ14T
	Outdoor unit module 2			RXYLQ10T		RXYLQ12T			RXYLQ14T	
	Outdoor unit module 3			RXYLQ10T	RXYLQ12T			RXYLQ14T		
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Prated,h		kW	94.5	101	107	113	120	128	135
	Max.	6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Recommended combination				9x FXMQ50P7VEB + 5x FXMQ63P7VEB	8x FXMQ63P7VEB + 4x FXMQ80P7VEB	3x FXMQ50P7VEB + 9x FXMQ63P7VEB + 2x FXMQ80P7VEB	2x FXMQ50P7VEB + 10x FXMQ63P7VEB + 2x FXMQ80P7VEB	6x FXMQ50P7VEB + 10x FXMQ63P7VEB	9x FXMQ50P7VEB + 9x FXMQ63P7VEB	12x FXMQ63P7VEB + 4x FXMQ80P7VEB
ηs,c			%	251.4	259.1	266.8	274.4	271.6	270.3	270.1
ηs,h			%	144.3	141.6	139.2	137.6	137.1		
SEER				6.4	6.6	6.7	6.9		6.8	
SCOP				3.7	3.6		3.5			
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			525	560	595	630	665	700	735
	Nom.			750	800	850	900	950	1,000	1,050
	Max.			975	1,040	1,105	1,170	1,235	1,300	1,365
Piping connections	Liquid	OD	mm	19.1						
	Gas	OD	mm	34.9			41.3			
	Total piping length	System Actual	m	500						
Current - 50Hz	Maximum fuse amps (MFA)		A	80				90		

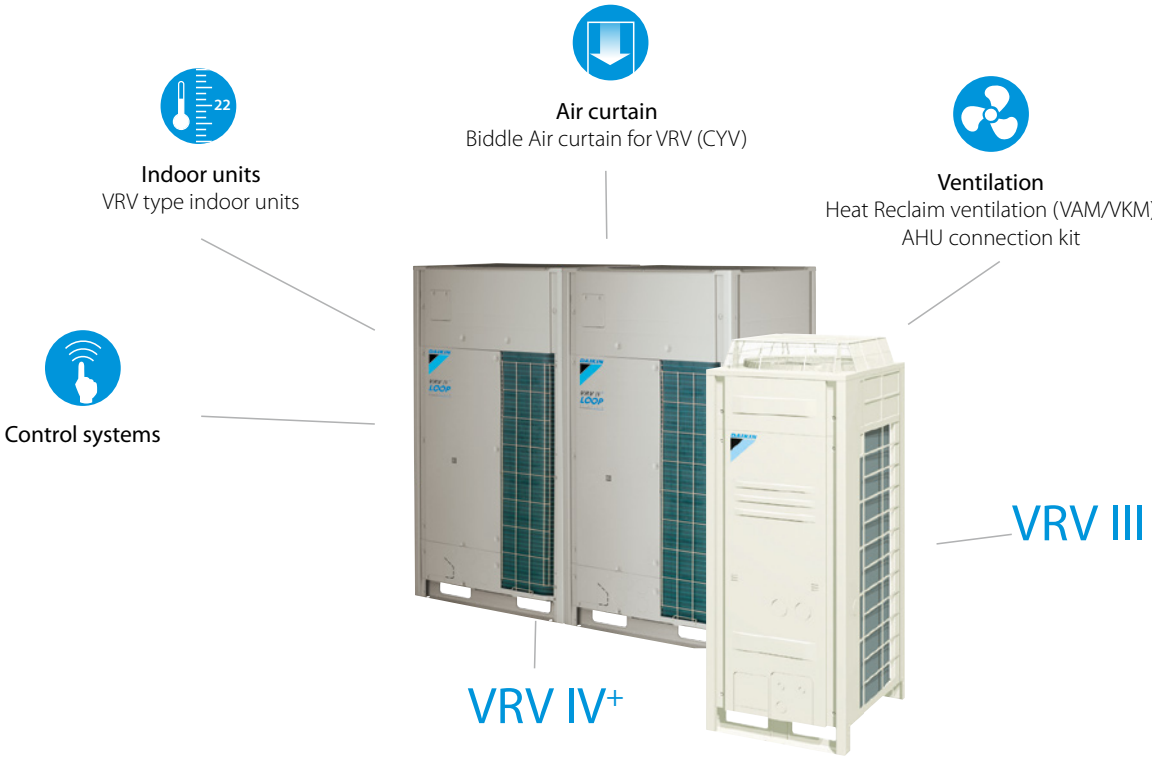
Outdoor unit module			RXMLQ	8T
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x1,240x765
Weight	Unit		kg	302
Fan	External static pressure	Max.	Pa	78
Sound power level	Cooling	Nom.	dBA	75.0
Sound pressure level	Cooling	Nom.	dBA	55.0
Operation range	Cooling	Min.~Max.	°CDB	-5 ~43
	Heating	Min.~Max.	°CWB	-25 ~16
Refrigerant	Type/GWP			R-410A/2,087.5
	Charge		kg/TCO2Eq	11.8/24.6
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (70% <= CR <= 130%) | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

The Post, 5-star hotel, VRV IV

Replacement VRV

Quick & quality replacement for R-22 and R-407C systems



LOOP BY DAIKIN

VRV IV Q+ series

Heat pump

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

For more information on these features refer to the VRV IV technologies tab

- 7 segment display
- Automatic refrigerant charge
- Night quiet mode
- Low noise function
- Full inverter compressors
- Gas cooled PCB
- 4 side heat exchanger
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

VRV III-Q

Heat pump & Heat recovery

- Automatic refrigerant charge
- Night quiet mode
- Low noise function
- Full inverter compressors
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

Replacement technology

The quick and quality way of upgrading R-22, R-407C and R-410A systems

These benefits will convince your customer:

Drastically improve your efficiency, comfort and reliability

No disturbance of daily operations

› Reuse of existing pipework results in fast installation
› Plan phases to avoid loss of business
› Replace any VRF system

Lower installation costs

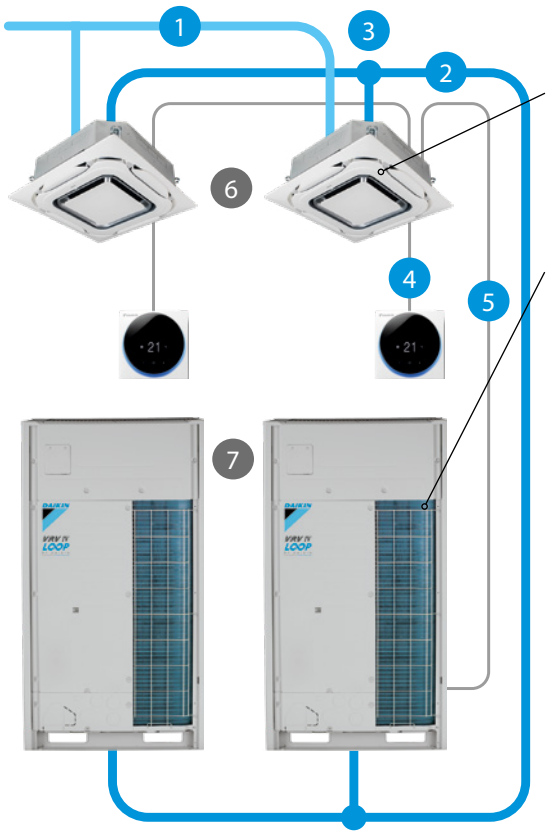
› Shorter installation time
› Use of existing piping and wiring
› Reuse of materials

Lower investment and reduced running costs

› CAPEX: Lower initial investment
› OPEX: Lower energy consumption and maintenance costs
› Keep your business running seamlessly

Higher property value

› Higher property value
› Improved facilities
  • Subsidies
  • Certifications (BREEAM, LEED and WELL)

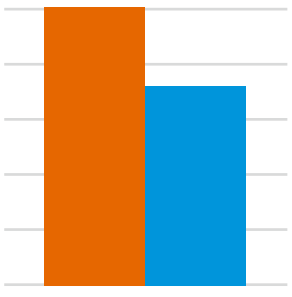


The Daikin upgrade solution:

Replace indoor units (optional)

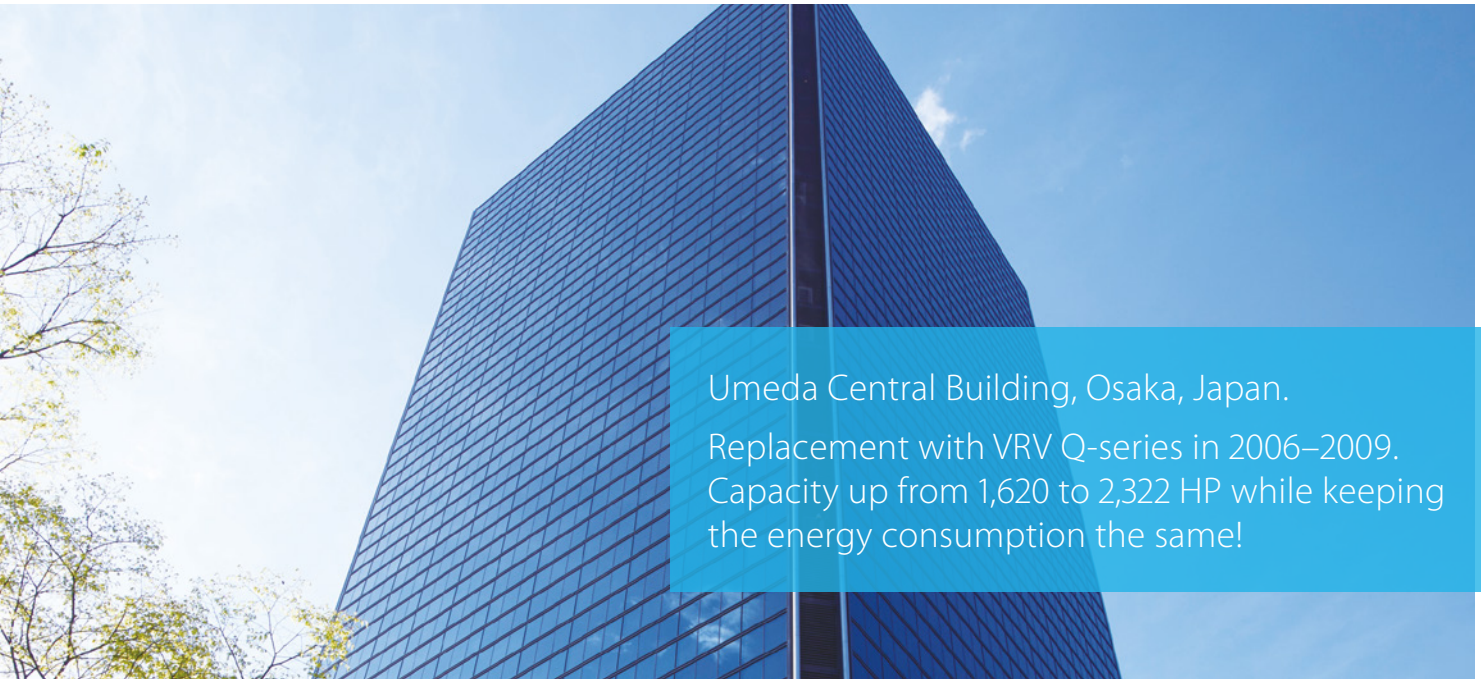
› Depending on model type and condition the indoor units can be kept.

Replace outdoor units



∨ 31 %
(VRV II) (VRV IV)

31 % less energy used



Umeda Central Building, Osaka, Japan.

Replacement with VRV Q-series in 2006–2009. Capacity up from 1,620 to 2,322 HP while keeping the energy consumption the same!

VRV-Q benefits to increase your profit:

Optimise your business

Watch our online seminar on replacement VRV now!

Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN > DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three

A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody wins.

	VRV-Q, keeping indoor units	**VRV-Q**, replacing indoor units	Completely new installation with standard VRV
Remove outdoor unit	21 %	21 %	21 %
Install new outdoor unit	14 %	14 %	14 %
Clean cooling circuit and leak test	14 %	14 %	14 %
Remove indoor units	–	8 %	8 %
Remove refrigerant pipes and other tasks	–	–	8 %
Install new refrigerant pipes	–	–	14 %
Install new indoor units and other tasks	–	21 %	21 %
Total installation time	49 %	78 %	100 %

Technology insight – Pipe cleaning and automatic refrigerant charging

Pipe cleaning and automatic refrigerant charging ensures a trouble-free operation.

Thanks to the pipe cleaning, possible contamination in the pipes is collected ensuring a trouble-free operation as with a completely new system.

The automatic charging ensures the correct amount of refrigerant is charged, so knowledge of the exact piping layout is not needed!

One touch convenience:
- Measure and charge refrigerant
- Test operation

Replacement VRV, heat recovery

Quick & quality replacement for R-22 and R-407C systems

- Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- Efficiency gains of more than 40% can be realized, thanks to technological developments in heat pump technology and the more efficient R-410A refrigerant
- Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- Possibility to add indoor units and increase capacity without changing the refrigerant piping
- Possibility to spread the various stages of replacement thanks to the modular design of the VRV system
- Accurate temperature control, fresh air provision, air handling units and Biddle air curtains all integrated in a single system requiring only one single point of contact (RXYQQ-U only)
- Incorporates VRV IV standards & technologies: Variable Refrigerant
- Temperature and full inverter compressors (RXYQQ-U only)
- Free combination of outdoor units to meet installation space or efficiency requirements (RXYQQ-U only)

RQCEQ712-848P3

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

RQCEQ-P3

Outdoor unit system			RQCEQ	280P3	460P3	500P3	540P3	712P3	744P3	816P3
System	Outdoor unit module 1			RQEQ140P3			RQEQ180P3	RQEQ140P3		RQEQ180P3
	Outdoor unit module 2			RQEQ140P3		RQEQ180P3				RQEQ212P3
	Outdoor unit module 3			-	RQEQ180P3				RQEQ212P3	
	Outdoor unit module 4			-				RQEQ212P3		
Capacity range			HP	10	16	18	20	24	26	28
Cooling capacity	Prated,c		kW	28.0	46.0	50.0	54.0	70.0	72.0	78.0
Heating capacity	Prated,h		kW	32.0	52.0	56.0	60.0	78.4	80.8	87.2
Recommended combination				4x FXMQ63P7VEB	4x FXMQ63P7VEB + 2x FXMQ80P7VEB	4x FXSQ32A2VEB + 8x FXSQ40A2VEB	12x FXSQ40A2VEB	4x FXSQ32A2VEB + 9x FXSQ40A2VEB + 3x FXSQ50A2VEB	4x FXSQ32A2VEB + 6x FXSQ40A2VEB + 6x FXSQ50A2VEB	7x FXSQ40A2VEB + 9x FXSQ50A2VEB
ηs,c			%	200	191	201	198	194		204
ηs,h			%	159	161	150	148	153	155	
Maximum number of connectable indoor units				21	34	39	43	52	56	60
Indoor index connection	Min.			140	230	250	270	356	372	408
	Nom.			280	500		540	712	744	816
	Max.			364	598	650	702	926	967.0	1,061
Piping connections	Liquid	OD	mm	9.52	12.7	15.9			19.1	
	Gas	OD	mm	22.2	28.6				34.9	
	Total piping length	System Actual	m	300						
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400						
Current - 50Hz	Maximum fuse amps (MFA)		A	30	50	60		80		90

Outdoor unit module			RQEQ-P3	140P3	180P3	212P3
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765		
Weight	Unit		kg	175		179
Fan	Air flow rate	Cooling Nom.	m^3/min	95	110	
	Type			Propeller fan		
Sound power level	Cooling	Nom.	dBA	79	83	87
	Heating	According to ENER LOT21	dBA	79	84	
Sound pressure level	Cooling	Nom.	dBA	-		
Operation range	Cooling	Min.~Max.	°CDB	-5 ~43		
	Heating	Min.~Max.	°CWB	-20 ~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	10.3/21.5	10.6/22.1	11.2/23.4
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	22.5

Contains fluorinated greenhouse gases

VRV IV Q+ series

Replacement VRV, heat pump

LOOP BY DAIKIN

For units made and sold in Europe*

RXYQQ8-12U

More details and final information can be found by scanning or clicking the QR codes.

RQYQ-P

RXYQQ-U

Outdoor unit			RXYQQ/RQYQ-P	140P	8U	10U	12U	14U	16U	18U	20U
Capacity range			HP	5	8	10	12	14	16	18	20
Cooling capacity	Prated,c		kW	14.0	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h		kW	16.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB	kW	-	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination				4x FXSQ32A2VEB	4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c			%	194	302.4	267.6	247.8	250.7	236.5	238.3	233.7
ηs,h			%	137	167.9	168.2	161.4	155.4	157.8	163.1	156.6
SEER				-	7.6	6.8	6.3		6.0		5.9
SCOP				-	4.3		4.1	4.0		4.2	4.0
Maximum number of connectable indoor units				10	64 (1)						
Indoor index connection	Min.			62.5	100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.			125	-						
	Max.			162.5	260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	175	198			275		308	
Fan	Air flow rate	Cooling Nom.	m³/min	95	-						
Sound power level	Cooling	Nom.	dBA	79	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated, h	dBA	79	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.	dBA	-	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5~43	-5.0~43.0						
	Heating	Min.~Max.	°CWB	-20~15.5	-20.0~15.5						
Refrigerant	Type/GWP			R-410A/2,087.5							
	Charge		kg/TCO2Eq	11.1/23.2	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD	mm	9.52				12.7		15.9	
	Gas	OD	mm	15.9	19.1	22.2		28.6			
	Total piping length	System Actual	m	300	300						
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	25	32		40		50

Outdoor unit system		RXYQQ	22U	24U	26U	28U	30U	32U	34U	36U	38U	40U	42U
System	Outdoor unit module 1		RXYQQ10U	RXYQQ8U	RXYQQ12U			RXYQQ16U			RXYQQ8U	RXYQQ10U	
	Outdoor unit module 2		RXYQQ12U	RXYQQ16U	RXYQQ14U	RXYQQ16U	RXYQQ18U	RXYQQ16U	RXYQQ18U	RXYQQ20U	RXYQQ10U	RXYQQ12U	RXYQQ16U
	Outdoor unit module 3		-								RXYQQ20U	RXYQQ18U	RXYQQ16U
Capacity range		HP	22	24	26	28	30	32	34	36	38	40	42
Cooling capacity	Prated,c	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	111.9	118.0	118.0
Heating capacity	Prated,h	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	111.9	118.0	62.4
	Max. 6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	125.5	131.5	131.5
Recommended combination			6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB	3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x FXFQ63AVEB	9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB
ηs,c		%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4	263.5	261.2
ηs,h		%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5	170.0	165.5
SEER			6.9	6.8	6.7	6.5		6.4		6.3	6.9	6.7	6.6
SCOP			4.4	4.3	4.2		4.3	4.2		4.1	4.3	4.3	4.2
Maximum number of connectable indoor units			64 (1)										
Indoor index connection	Min.		275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Max.		715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0	1,300.0	1,365.0
Piping connections	Liquid	OD mm	15.9		19.1								
	Gas	OD mm	28.6	34.9						41.3			
	Total piping length	System Actual m	300										
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)	A	63				80			100			

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | Contains fluorinated greenhouse gases

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

Water cooled VRV IV W+ series

Ideal for high rise buildings, using water as heat source

Unified range for **heat pump & heat recovery** and **standard & geothermal series**

Indoor units
VRV type indoor units OR
Residential type indoor units
(such as Daikin Emura, ...)

Control systems

Air curtain
Biddle Air curtain for VRV (CYV)

Ventilation
Heat Reclaim ventilation (ALB/VAM/
VKM) AHU connection kit

Widest range of BS boxes for the fastest installation

LOOP BY DAIKIN

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

For more information on these features refer to the VRV IV technologies tab

- 7 segment display
- Full inverter compressors
- Connectable to stylish indoor units
- Connectable to LT hydrobox
- Connectable to HT hydrobox
- Reluctance brushless DC compressor
- Sine wave DC inverter
- Manual demand function

Water-to-air heat pump

Welcome a new range of features

More flexibility

› Mixed connection of HT hydroboxes and VRV indoor units
› Connects to stylish indoor units such as Daikin Emura, Nexura, ... (no mixed connection with other indoors possible)
› Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
› Extended piping length up 165m (actual)
› Extended indoor unit height difference to 30m

Most compact casing in the market!

8 to 14 HP | 16 to 28 HP | 30 to 42 HP

More capacity

› Up to 72% increased capacity (!) per model thanks to new compressor and larger heat exchanger

Unique zero heat dissipation principle

› No need for ventilation or cooing in the technical room
› Control heat dissipation to achive maximum efficiency: set target technical room temperature and unit regulates actual heat dissipation

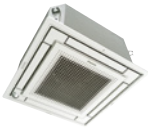
Easier commissioning & customisation

› 7 segment display
› 2 analogue input signals allowing external control of
- ON-OFF (e.g. compressor)
- Operation mode (cooling / heating)
- Limit of capacity
- Error signal

Total solution

Daikin Emura
wall mounted unit

FTXA-AW/BS/BB/BT
Stylish



Fully flat cassette

intelligent Manager

Biddle air curtain

Air handling unit for ventilation

Low temperature hydrobox

High temperature hydrobox

With all existing standard functions

Variable Refrigerant Temperature

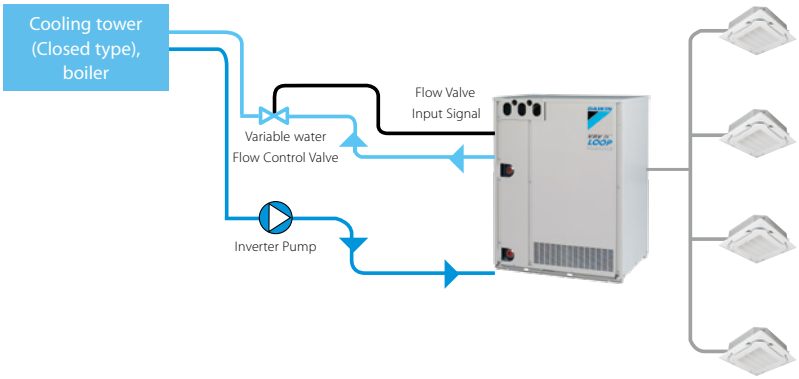
VRV IV W+ series

Indoor installation makes unit invisible from the outside

- Seamless integration in the surrounding architecture as you cannot see the unit
- Highly suited for sound sensitive areas as there is no external operation sound
- Very flexible indoor installation as there is no heat dissipation
- Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation

Variable water flow control

- The variable water flow control option reduces excessive energy use by the circulation pump.
- By controlling a variable water valve, the water flow is reduced when possible, saving energy.
- Via 0~10 volt



Lower refrigerant concentration levels

Water-cooled VRV systems typically have less refrigerant per system making it ideal to comply with the EN378 legislation limiting the amount of refrigerant in hospitals and hotels.

The refrigerant levels remain limited thanks to:

- limited distance between outdoor and indoor unit
- modularity: enabling small systems per floor instead of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

Maximum design flexibility and installation speed

- Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- Free combination of single and multi BS boxes

Single port

BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16

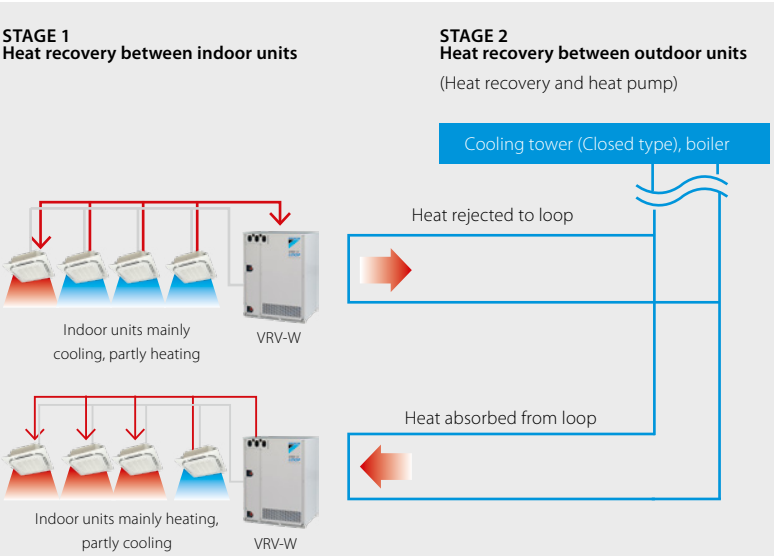
BS 4 Q14 A

BS 6, 8 Q14 A

BS 10, 12 Q14 A

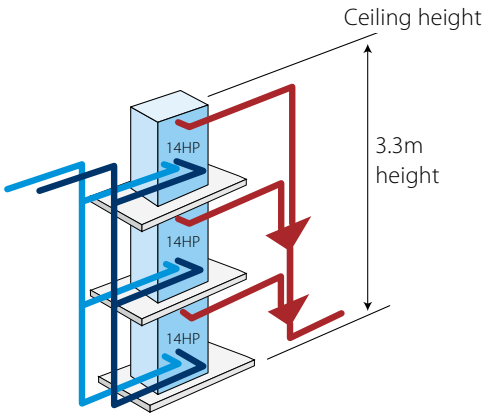
BS 16 Q14 A

2-stage heat recovery



Stacked configuration

Water piping
Refrigerant piping



Crystal Tower

BREEAM Design Phase: Excellent rating

BREEAM®
Design phase: excellent

A great and well-known example of a Daikin Total Solution leading to high energy-efficient HVAC consumption

› A combination of VRV, Sky Air and Applied systems ensuring all offices and common areas are fully air conditioned.

› Water-cooled VRV as the main contributor to total HVAC energy efficiency due to its two-stage heat recovery system.

› Flexibility: individual thermal control and comfort with VRV on each floor and space.

› Problem-free connection between Daikin units and the LonWorks BMS system ensures the building's total energy consumption is properly monitored and controlled.

Location

48 Lancu de Hunedoara Boulevard
Bucharest Romania

Building details

Built-up area: 24,728 m^2
Total usable area: 20,020 m^2
Floors: 4 basements, 15 floors, technical floor
Building height: 72 m
Office space per level: approx. 1,000 m^2

Daikin systems installed

› 67 x VRV water-cooled units
› 2 x VRV outdoor heat pump units
› 289 VRV indoor units (265 ducts, 24 x cassettes)
› 5 x Sky Air with Roundflow Cassettes
› 4 x air-cooled water chillers
› 11 x DMS504B51 (LonWorks gateway)

Awards

› Green Building of the Year 2012 (ROGBC)
› Environmental Social & Sustainability award (ESSA)

Innovations

for maximum flexibility and ease of installation

Horizontal or vertical piping connection

Highly improved efficiency thanks to enlarged heat exchanger

Easy access to components

Easy front plate removal

step 1

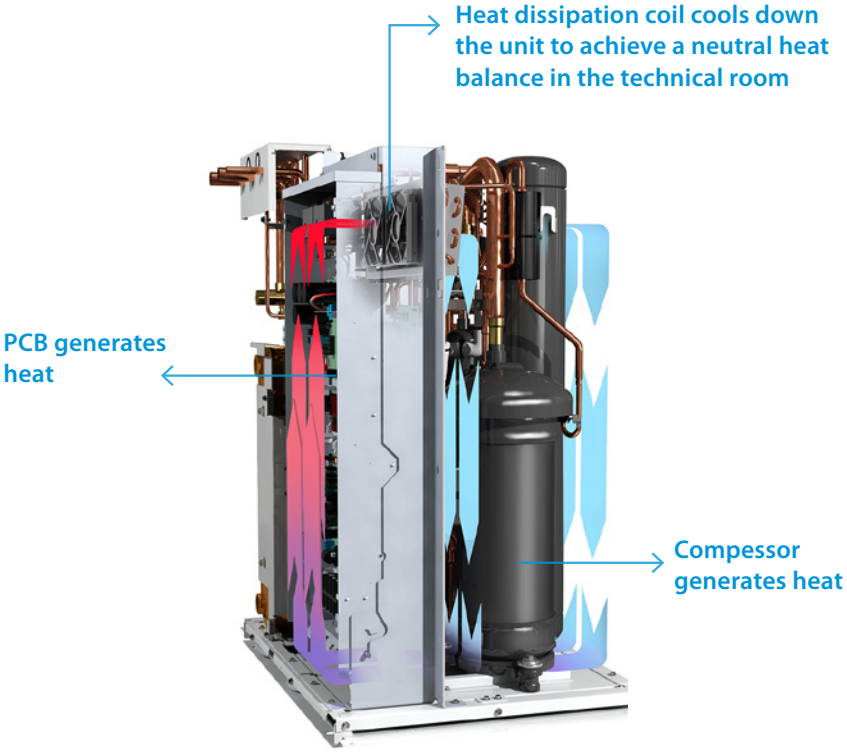
step 2

Rotating switchbox

Zero heat dissipation principle

› No need for ventilation or cooling of the technical room

› Enhancing installation flexibility and reliability of parts



Minimal technical room space required.

VRV IV technology

Variable Refrigerant Temperature

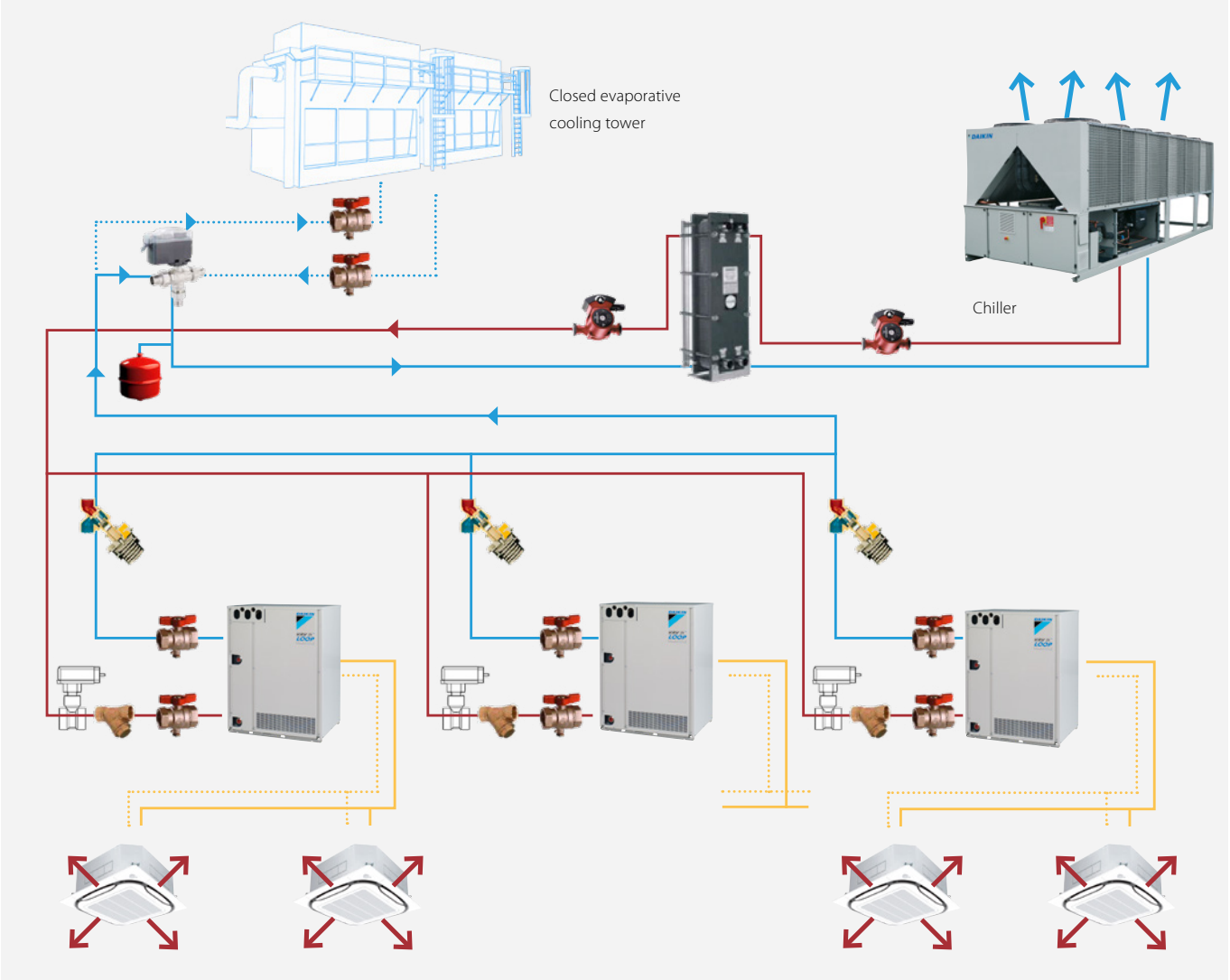
› VRV configurator

› 7 segment display

Application

example

Closed evaporative cooling tower used for cooling, Chiller used for heating



Expansion tank

Circulator Pump

Flow valve
or flow control valve

Stop valve

Cooling mode
Heating mode
Refrigerant flow

Strainer

Heat exchanger

Flow switch

Three way valve

Benefits of this setup

› Chiller is only used when cooling tower capacity is not enough and/or when cooling and heating load of VRV is unbalanced → very energy efficient installation
› In case the chiller is operating, a renewable heat source (air) is used, contributing to BREEAM score.
› It is possible to downsize the cooling tower, making the installation more compact

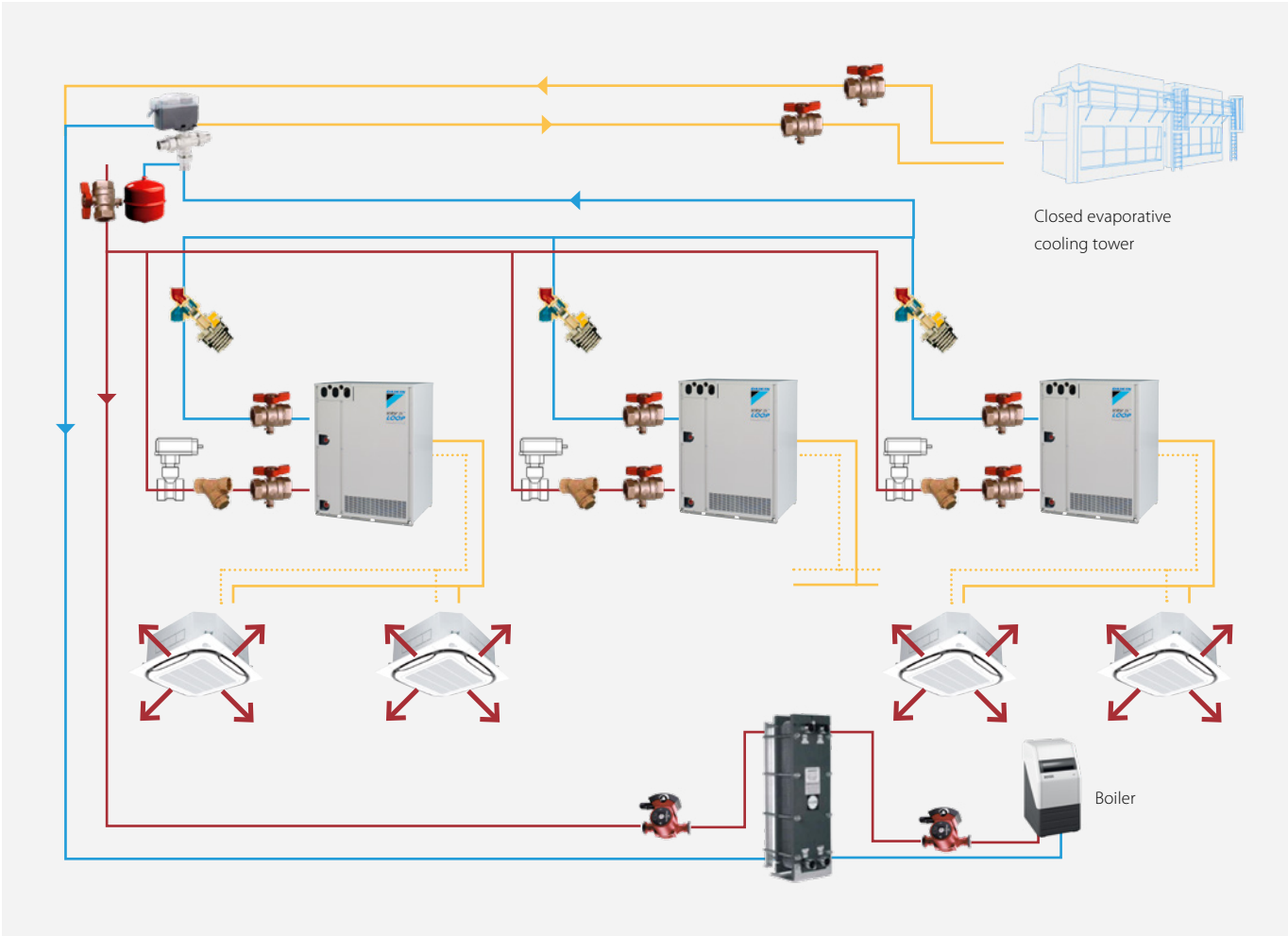
When to use?

› When there is anyway a chiller used for other purposes in the building
› When space for outdoor installation is limited
› Efficiency / green building certification schemes oriented projects

Application

example

Dry cooler used for cooling, boiler used for heating



Expansion tank

Circulator Pump

Flow valve or flow control valve

Stop valve

Strainer

Heat exchanger

Flow switch

Three way valve

Cooling mode
Heating mode
Refrigerant flow

Benefits of this setup

› Simple, cost efficient. Good option to use VRV technology in high-rise building
› Does not make any special demand to the building/project/ installation location
› Provides high efficiency as for hotel application it is usual to have simultaneous cooling and heating load.
› Heat recovery process in the water loop often allows the water temperature to stay within acceptable range even without using drycooler and boiler.

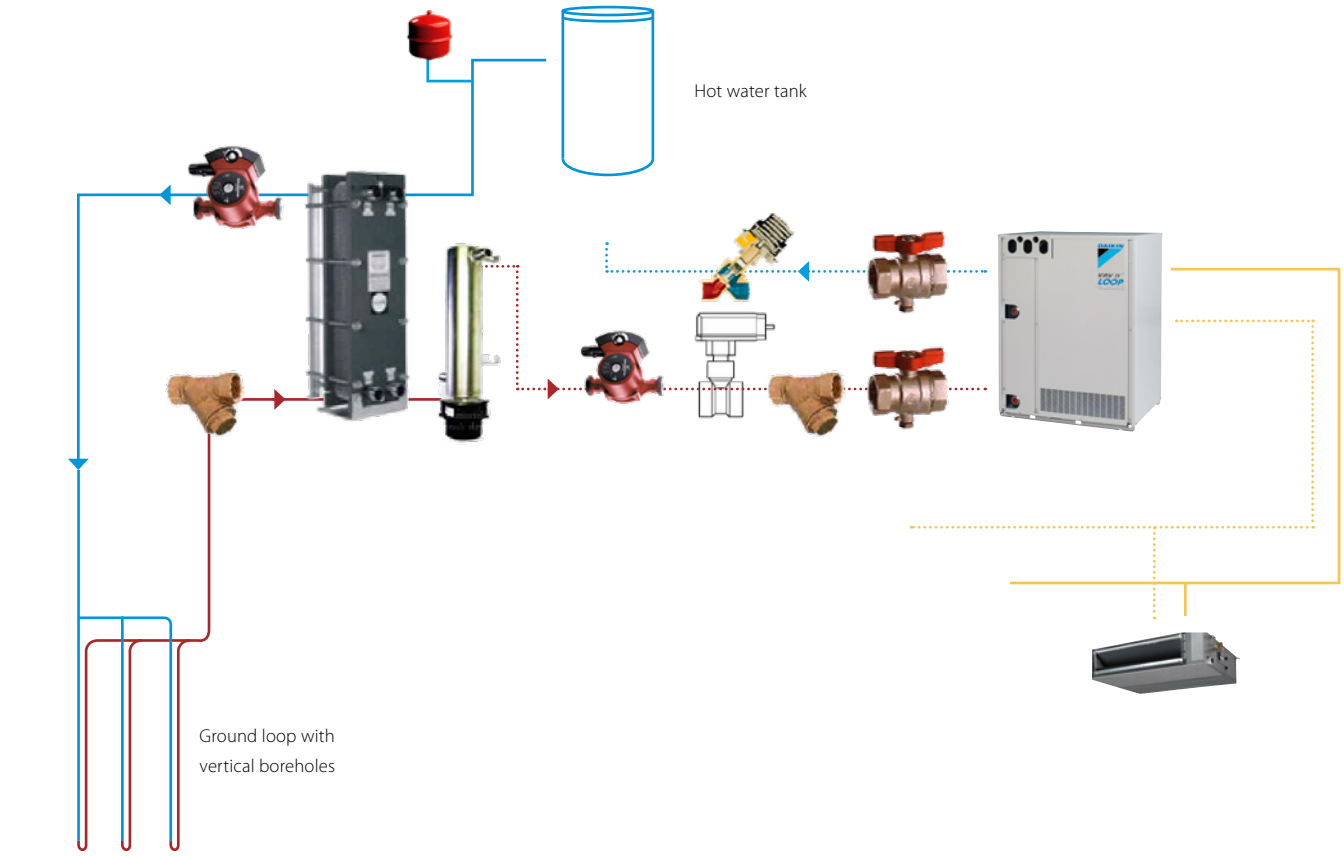
When to use?

› For high-rise buildings or other places where VRV Water Cooled is preferable because of installation conditions

Application

example

Geothermal operation



Expansion tank
Liquid heater
Strainer
Circulator Pump
Buffer tank
Heat exchanger
Flow valve
or flow control valve
Flow switch
Stop valve
Three way valve
Cooling mode
Heating mode
Refrigerant flow

Benefits of this setup

› Very energy efficient
› Ground loop can be in service for a very long time, so future equipment upgrades/replacements are easy
› Vertical boreholes provide more stable water temperature (= Constant high efficiency) and do not occupy a lot of ground space.

When to use?

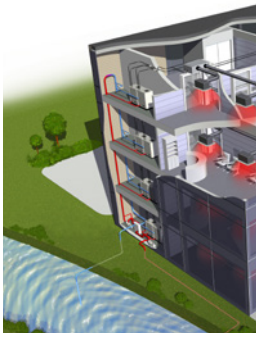
› When the soil is suitable for geothermal loops and there is availability of geothermal installation expertise locally
› For the projects with high requirements to energy efficiency, green building certification oriented

Ground loop

Examples

Open system

Uses water from a well or surface water (river, lake). The water is pumped back to a second well or surface water



Conditions:
› At 20 m depth water has a constant temperature of 10°C through the year
› Surface water cools down to 5°C during winter

✓ Can be the most economical type of geothermal system

✓ Constant ground water temperature has positive impact on heat pump efficiency

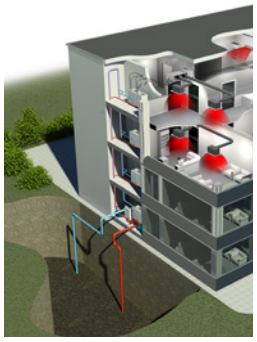
× Risk to damage system components because of water quality → a secondary loop might be required to protect the heat exchanger

× Water should be tested for acidity, mineral content, organic content and corosiveness:

× In many areas open systems are prohibited due to environmental concerns

Closed system

Uses water pipes that are buried in the ground and exchange heat with the ground



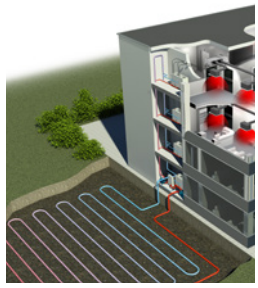
Vertical system conditions
› Typical depth: 30-140 m. Below 15 m, the temperature of the ground is constant around 10°C

✓ Less surface space required

✓ Very constant ground temperature

× Expensive due to drilling cost

For smaller applications also horizontal loops can be used



Horizontal loop system
› Typical trench depth: 1 – 2 m. The ground temperature varies, but always above 5°C (Exception: in cold areas)
› Slinky loop: the plastic geothermal loop pipe is coiled in overlapped circles and flattened (Installed where there is not enough space for closed horizontal)

✓ Installation is easier and less expensive than vertical closed loops.

× Mainly for small applications as the property land should be large enough

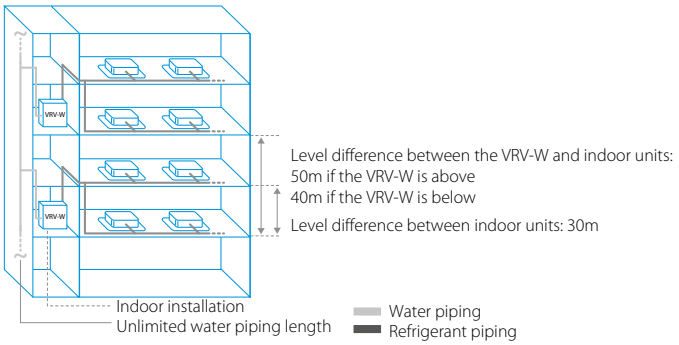
× You cannot plant trees or build constructions over the land containing the loop.

× Glycol is needed to prevent freezing of the water.

VRV IV water cooled+ series

Ideal for high rise buildings, using water as heat source

- Environmental conscious solution: reduced CO_2 emmisions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with EN378
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexiblity
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors
- Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0.5m² floorspace
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Unified model for heat pump and heat recovery version and geothermal and standard operation
- Variable Water Flow control option increases flexibility and control
- 2 analogue input signals allowing external control of ON-OFF, operation mode, error signal, …
- Contains all standard VRV features



ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

LOOP BY DAIKIN

For units made and sold in Europe*

Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted	FTXM-R	•	•	•	•	•	•	•
Perfera floor standing NEW	FVXM-A9	•	•	•		•		

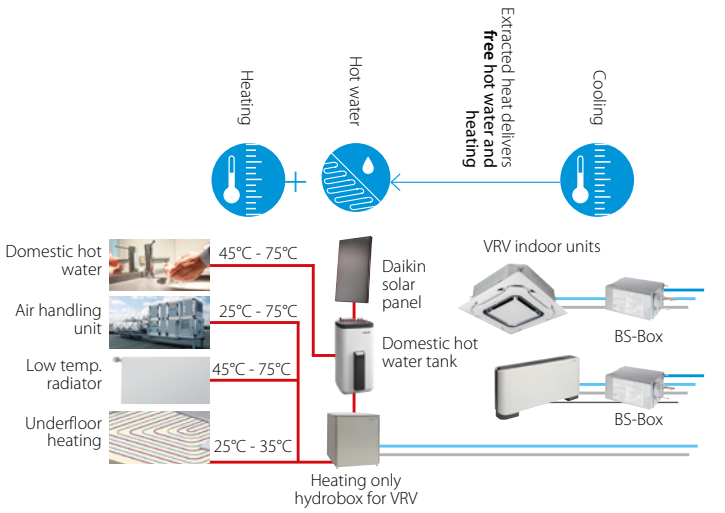
BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

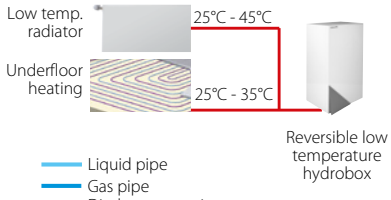
RWEYQ-T9

Outdoor unit					RWEYQ	8T9	10T9	12T9	14T9
Capacity range					HP	8	10	12	14
Cooling capacity	Prated,c				kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h				kW	25.0	31.5	37.5	45.0
	Max.	6°CWB			kW	25.0	31.5	37.5	45.0
Recommended combination						4x FXMQ50P7VEB	4x FXMQ63P7VEB	6x FXMQ50P7VEB	1x FXMQ50P7VEB + 5x FXMQ63P7VEB
ηs,c					%	326.8	307.8	359.0	330.7
ηs,h					%	524.3	465.9	436.0	397.1
SEER						8.4	7.9	9.2	8.5
SCOP						13.3	11.8	11.1	10.1
Maximum number of connectable indoor units						64 (1)			
Indoor index connection	Min.					100.0	125.0	150.0	175.0
	Max.					300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWidthxDepth			mm	980x767x560			
Weight	Unit				kg	195		197	
Sound power level	Cooling	Nom.			dBA	65.0	71.0	72.0	74.0
Sound pressure level	Cooling	Nom.			dBA	48.0	50.0	56.0	58.0
Operation range	Inlet water temperature	Cooling	Min.~Max.		°CDB	10 ~45			
		Heating	Min.~Max.		°CWB	10 ~45			
	Temperature around casing	Max.			°CDB	40			
	Humidity around casing	Cooling~ Heating	Max.		%	80 ~80			
Refrigerant	Type/GWP					R-410A/2,087.5			
	Charge				kg/TCO2Eq	7.9/16.5		9.6/20.0	
Piping connections	Liquid	OD			mm	9.52		12.7	
	Gas	OD			mm	19.1	22.2	28.6	
	HP/LP gas	OD			mm	15.9/19.1	19.1/22.2	19.1/28.6	22.2/28.6
	Drain	Size				14mm OD/ 10mm ID			
	Water	Inlet/Outlet	Size			ISO 228-G1 1/4 B/ISO 228-G1 1/4 B			
	Total piping length	System	Actual		m	500			
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)				A	20		25	

Stage 1 heat recovery between indoor units

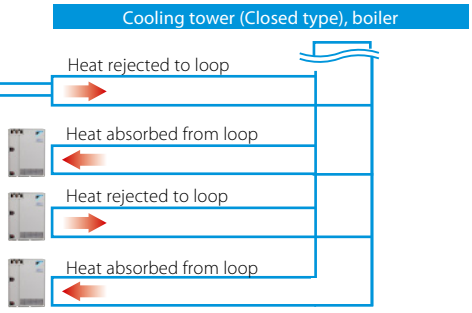


or



Liquid pipe
Gas pipe
Discharge gas pipe
Hot water

Stage 2 heat recovery between outdoor units



* Above system configuration are for illustration purpose only.

Outdoor unit system		RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9
System	Outdoor unit module 1		RWEYQ8T		RWEYQ10T		RWEYQ12T		RWEYQ14T
	Outdoor unit module 2		RWEYQ8T	RWEYQ10T		RWEYQ12T		RWEYQ14T	
Capacity range		HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c	kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
	Max. 6°CWB	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
Recommended combination			4x FXMQ63P7VEB + 2x FXMQ80P7VEB	4x FXMQ50P7VEB + 4x FXMQ63P7VEB	8x FXMQ63P7VEB	6x FXMQ50P7VEB + 4x FXMQ63P7VEB	12x FXMQ50P7VEB	7x FXMQ50P7VEB + 5x FXMQ63P7VEB	2x FXMQ50P7VEB + 10x FXMQ63P7VEB
ηs,c		%	307.6	308.7	298.1	311.3	342.6	322.5	306.1
ηs,h		%	459.2	491.1	466.8	447.9	434.5	406.9	387.9
SEER			7.9		7.7	8.0	8.8	8.3	7.9
SCOP			11.7	12.5	11.9	11.4	11.1	10.4	9.9
Maximum number of connectable indoor units			64 (1)						
Indoor index connection	Min.		200.0	225.0	250.0	275.0	300.0	325.0	350.0
	Max.		600.0	675.0	750.0	825.0	900.0	975.0	1,050.0
Piping connections	Liquid OD	mm	12.7	15.9				19.1	
	Gas OD	mm	28.6				34.9		
	HP/LP gas OD	mm	22.2/28.6		28.6/28.6		28.6/34.9		
	Total piping length System Actual	m	500						
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)	A	32		35	40		50	

Outdoor unit system		RWEYQ	30T9	32T9	34T9	36T9	38T9	40T9	42T9
System	Outdoor unit module 1		RWEYQ10T			RWEYQ12T			RWEYQ14T
	Outdoor unit module 2		RWEYQ10T		RWEYQ12T		RWEYQ14T		
	Outdoor unit module 3		RWEYQ10T	RWEYQ12T			RWEYQ14T		
Capacity range		HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c	kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Prated,h	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
	Max. 6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Recommended combination			12x FXMQ63P7VEB	6x FXMQ50P7VEB + 8x FXMQ63P7VEB	12x FXMQ50P7VEB + 4x FXMQ63P7VEB	18x FXMQ50P7VEB	13x FXMQ50P7VEB + 5x FXMQ63P7VEB	8x FXMQ50P7VEB + 10x FXMQ63P7VEB	3x FXMQ50P7VEB + 15x FXMQ63P7VEB
ηs,c		%	308.3	318.2	342.5	352.3	338.8	341.4	332.9
ηs,h		%	467.2	456.1	447.0	438.5	419.4	404.4	391.2
SEER			7.9	8.2	8.8	9.0	8.7		8.5
SCOP			11.9	11.6	11.4	11.2	10.7	10.3	10.0
Maximum number of connectable indoor units			64 (1)						
Indoor index connection	Min.		375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Max.		1,125.0	1,200.0	1,275.0	1,350.0	1,425.0	1,500.0	1,575.0
Piping connections	Liquid OD	mm	19.1						
	Gas OD	mm	34.9			41.3			
	HP/LP gas OD	mm	28.6/34.9			28.6/41.3	41.3/34.9		
	Total piping length System Actual	m	500						
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)	A	50	63				80	

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%). | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV Indoor units

One of the widest ranges on the market, it currently compromises no less than 26 different stylish and elegant models in 116 different variants. All designed to maximise comfort, minimise operating noise and simplify installation and servicing.

VRV IV
indoor units

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Concealed ceiling unit with high esp

Round flow cassette

Slim concealed ceiling unit

Concealed floor standing unit

Hot water production

Fully flat cassette

Products overview VRV IV

Capacity class (kW)

Type	Model		Product name		15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	FXFQ-B			●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout	FXZQ-A		●	●	●	●	●	●								
	2-way blow ceiling mounted cassette	Thin, lightweight design installs easily in narrow ceiling spaces › Depth of all units is 620mm, ideal for narrow ceiling spaces › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor › The flaps close entirely when the unit is not operating › Optimum comfort with automatic air flow adjustment to the required load	FXCQ-A			●	●	●	●	●	●		●		●			
	Ceiling mounted corner cassette	1-way blow unit for corner installation › Compact dimensions enable installation in narrow ceiling voids › Flexible installation thanks to different air discharge options	FXKQ-MA				●	●	●		●							
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor	FXDQ-A3		●	●	●	●	●	●	●		Auto cleaning filter option				Multi zoning option	
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSQ-A		●	●	●	●	●	●	●		●	●	●	●	Multi zoning option	
	Concealed ceiling unit with high ESP	ESP up to 200, ideal for large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Reduced energy consumption thanks to DC fan motor › Flexible installation as the air suction direction can be altered from rear to bottom suction	FXMQ-P7							●	●		●	●	●			
	NEW Concealed ceiling unit with high ESP	ESP up to 250, ideal for extra large sized spaces › Only grilles are visible › Large capacity unit: up to 31.5 kW heating capacity	FXMQ-A														●	●
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAQ-A		●	●	●	●	●	●	●							
Ceiling suspended	Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem › Reduced energy consumption thanks to DC fan motor	FXHQ-A					●			●			●				
	UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor	FXUQ-A									●			●				
Floor standing	Floor standing unit	For perimeter zone air conditioning › Can be installed in front of glass walls or free standing as both the front and the back are finished › Ideal for installation beneath a window › Requires very little installation space › Wall mounted installation facilitates cleaning beneath the unit	FXLQ-P			●	●	●	●	●	●							
	Concealed floor standing unit	Ideal for installation in offices, hotels and residential applications › Discretely concealed in the wall, leaving only the suction and discharge grilles visible › Can even be installed underneath a window › Requires very little installation space as the depth is only 200mm › High ESP allows flexible installation	FXNQ-A			●	●	●	●	●	●							
Cooling capacity (kW)[1]					1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]					1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

Products overview Stylish indoor units

Depending on the application, Split and Sky Air indoor units can be connected to our VRV IV and VRV IV S-series outdoor units. Refer to the **outdoor unit portfolio** for combination restrictions.

Type	Model	Product name	Capacity class (kW) 15	20	25	35	42	50	60	71	Connectable outdoor unit RYYQ-U	RXYQ-U	RXYSCQ-TV1[3] RXYSQ-TV9[3] RXYSQ-TY9/TY1[3]	RWEYQ-T9[4]	RXYLQ-T
Ceiling mounted cassette	Round flow cassette (incl. auto-cleaning function[1])	FCAG-B				●		●	●	UV Streamer kit			✓		
	Fully flat cassette	FFA-A9			●	●		●	●				✓		
Concealed ceiling	Slim concealed ceiling unit	FDXM-F9			●	●		●	●	Auto cleaning filter option			✓		
	Concealed ceiling unit with inverter-driven fan	FBA-A(9)				●		●	●	●			✓		
Wall mounted	Daikin Emura Wall mounted unit (reddot award 2014 winner)	FTXJ-AW/ AS/AB		●	●	●		●			✓	✓	✓	✓	✓
	Stylish Wall mounted unit	FTXA-AW/ BS/BB/BT		●	●	●	●	●			✓	✓	✓	✓	✓
	Perfera Wall mounted unit	CTXM-R/ FTXM-R	● RXYS(C)Q only	●	●	●	●	●	●	●	✓	✓	✓	✓	✓
Ceiling suspended	Ceiling suspended unit	FHA-A(9)				●		●	●	●			✓		
Floor standing	Perfera Floor standing unit	FVXM-A9		●	●	●		●			✓	✓	✓	✓	✓
	Concealed floor standing unit	FNA-A9			●	●		●	●				✓		

[1] Decoration panel BYCQ140DG9 or BYCQ140DGF9 + BRC1E* or BRC1H* needed

[2] To connect stylish indoor units a BPMKS unit is needed

[3] A mix of RA indoor units and VRV indoor units is not allowed.

[4] Only in heat pump operation

Hydrobox range

Capacity class (kW)

Type	Product name	Model	80	125	200	Leaving water temperature range
Low temperature hydrobox	HXY-A8	For high efficiency space heating and cooling › Ideal for hot or cold water in underfloor, air handling units, low temperature radiators … › Hot/cold water from 5° to 45°C › Large operation range (down to -20°C and up to 43°C) › Fully integrated water-side components save time on system design › Space saving contemporary wall hung design	●	●		5 °C - 45 °C
High temperature hydrobox	HXHD-A8	For efficient hot water production and space heating › Ideal for hot water in bathrooms, sinks and for underfloor heating, radiators, air handling units, … › Hot water from 25 to 80°C › "Free" heating and hot water through heat recovery › Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler › Possibility to connect thermal solar collectors		●	●	25 °C - 80 °C

Benefits overview VRV IV

We care		Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy
		Fan only	The unit can be used as fan, blowing air without heating or cooling
		Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance
		Presence & floor sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor
Comfort		Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired
		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood
		Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature
Air treatment		UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment
		Air filter	Removes airborne dust particles to ensure a steady supply of clean air
Humidity control		Dry programme	Allows humidity levels to be reduced without variations in room temperature
Air flow		Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains
		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room
		Fan speed steps	Allows to select up to the given number of fan speed
		Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well
		Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis
		Infrared remote control	Starts, stops and regulates the air conditioner from a distance
		Wired remote control	Starts, stops and regulates the air conditioner
		Centralised control	Starts, stops and regulates several air conditioners from one central point
		Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other functions		Auto-restart	The unit restarts automatically at the original settings after power failure
		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies
		Drain pump kit	Facilitates condensation draining from the indoor unit
		Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building

Ceiling mounted cassette units				Concealed ceiling units				Wall mounted unit	Ceiling suspended units		Floor standing units	
FXFQ-B	**FXZQ-A**	**FXCQ-A**	**FXKQ-MA**	**FXDQ-A3**	**FXSQ-A**	**FXMQ-P7**	**FXMQ-A**	**FXAQ-A**	**FXHQ-A**	**FXUQ-A**	**FXNQ-A**	**FXLQ-P**
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
○												
○	○									○		
●	●		●							●		
●	●	●		●	●			●				
●	●	●	●	●	●	●	●	●	●	●	●	●
○												
● (2) (Optional high efficiency filter ePM10 60%)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1) Optional pre filter and high efficiency filter available	● (1)	● (1)	● (1)	● (1)	● (1)
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●									
●	●	●	●					●	●	●		
5 + auto	3 + auto	3 + auto	2	3	3 + auto	3	3 + auto	2	3	3 + auto	2	3
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● standard, ○ optional

(1) Pre filter

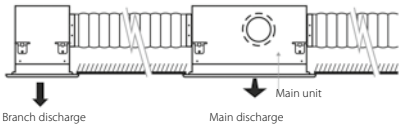
Round flow cassette

360° air discharge for optimum efficiency and comfort

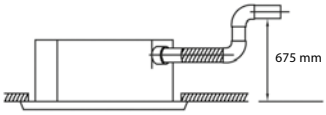
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



- Standard drain pump with 675mm lift increases flexibility and installation speed



White panel | White auto cleaning panel | Black panel | Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FXFQ-B

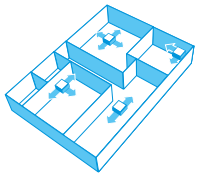
Indoor Unit				FXFQ	20B	25B	32B	40B	50B	63B	80B	100B	125B
Cooling capacity	Total capacity	At high fan speed		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	At high fan speed		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.071	0.103
	Heating	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.071	0.103
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	18			19	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5								
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	12.8/10.7/8.9			14.8/12.6/10.4	15.1/12.9/10.7	16.6/13.4/10.7	23.3/19.2/13.5	27.8/20.4/13.0	31.6/26.0/19.8
		Heating	At high / medium / low fan speed	m^3/min	12.8/10.7/8.9			14.8/12.6/10.4	15.1/12.9/10.7	16.6/13.4/10.7	22.5/18.5/13.0	27.8/20.4/13.0	30.3/24.9/18.9
Air filter	Type				Resin net								
Sound power level	Cooling	At high fan speed		dBA	49.0			51.0		53.0	55.0	60.0	61.0
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	31.0/29.0/28.0			33.0/31.0/29.0		35.0/33.0/30.0	38.0/34.0/30.0	43.0/37.0/30.0	45.0/41.0/36.0
	Heating	At high / medium / low fan speed		dBA	31.0/29.0/28.0			33.0/31.0/29.0		35.0/33.0/30.0	38.0/34.0/30.0	43.0/37.0/30.0	45.0/41.0/36.0
Refrigerant	Type/GWP				R-410A/2,087.5								
Piping connections	Liquid	OD		mm	6.35					9.52			
	Gas	OD		mm	12.7					15.9			
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	16								
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB								
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52								

Contains fluorinated greenhouse gases

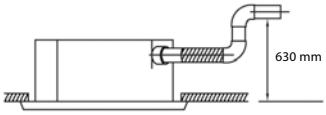
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed



FXZQ-A

BRC1H52W, BRC7F530W-S

More details and final information can be found by scanning or clicking the QR codes.

FXZQ-A

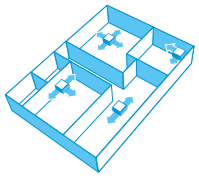
Indoor Unit				FXZQ	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
	Heating	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575					
Weight	Unit			kg	15.5			16.5		18.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60C2W1W					
	Colour				White (N9.5)					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60C2W1S					
	Colour				SILVER					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B2W1					
	Colour				White (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Decoration panel 4	Model				BYFQ60B3W1					
	Colour				WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	8.5/7.00/6.5	8.7/7.50/6.5	9.0/8.00/6.5	10.0/8.50/7.0	11.5/9.50/8.0	14.5/12.5/10.0
		Heating	At high / medium / low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.5/12.5/10.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	49		50	51	54	60
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
	Heating	At high / medium / low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					
Control systems	Infrared remote control				BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)					
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

Contains fluorinated greenhouse gases

2-way blow ceiling mounted cassette

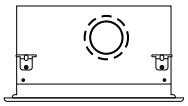
Thin, lightweight design installs easily in narrow corridors

› Depth of all units is 620mm, ideal for narrow spaces
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!



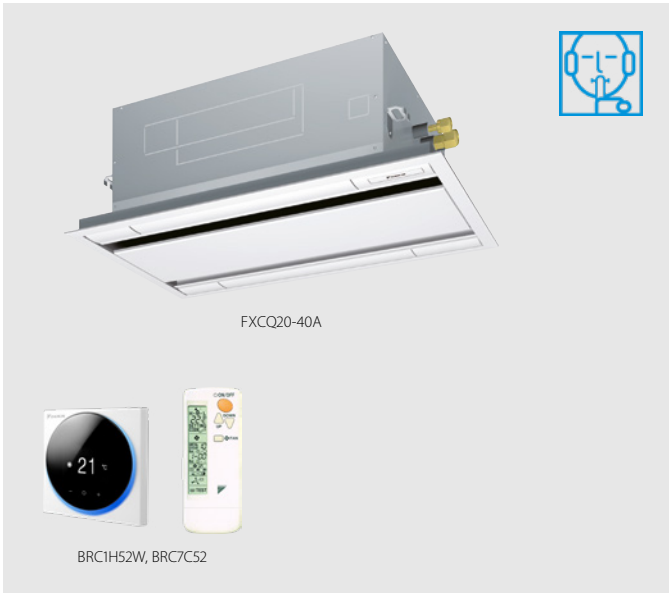
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

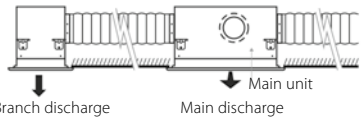
› Optimum comfort guaranteed with automatic air flow adjustment to the required load
› Maintenance operations can be performed by removing the front panel



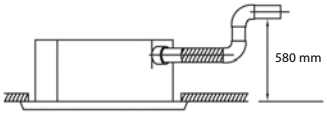
FXCQ20-40A

BRC1H52W, BRC7C52

› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



› Standard drain pump with 580mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FXCQ-A

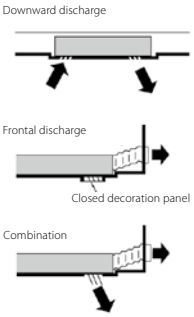
Indoor Unit				FXCQ	20A	25A	32A	40A	50A	63A	80A	125A
Cooling capacity	Total capacity	At high fan speed		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity	Total capacity	At high fan speed		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.031	0.039		0.041	0.059	0.063	0.090	0.149
	Heating	At high fan speed		kW	0.028	0.035		0.037	0.056	0.060	0.086	0.146
Dimensions	Unit	HeightxWidthxDepth		mm	305x775x620				305x990x620		305x1,445x620	
Weight	Unit			kg	19				22	25	33	38
Casing	Material				Galvanised steel plate							
Decoration panel	Model				BYBCQ40HW1				BYBCQ63HW1		BYBCQ125HW1	
	Colour				Fresh white (6.5Y 9.5/0.5)							
	Dimensions	HeightxWidthxDepth		mm	55x1,070x700				55x1,285x700		55x1,740x700	
	Weight			kg	10				11		13	
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	10.5/9/7.5	11.5/9.5/8		12/10.5/8.5	15/13/10.5	16/14/11.5	26/22.5/18.5	32/27.5/22.5
Air filter	Type				Resin net with mold resistance							
Sound power level	Cooling	At high fan speed / At medium fan speed / At low fan speed		dBA	48/46/44	50/47/45	50/48/46	52/49/47	53/51/47	55/53/48	58/54/49	62/58/54
Sound pressure level	Cooling	At high fan speed / At medium fan speed / At low fan speed		dBA	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
	Heating	At high fan speed / At medium fan speed / At low fan speed		dBA	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
Refrigerant	Type/GWP				R-410A/2,087.5							
Piping connections	Liquid	OD		mm	6.35					9.52		
	Gas	OD		mm	12.7					15.9		
	Drain				VP25 (O.D. 32 / I.D. 25)							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)			A	16							
Control systems	Infrared remote control				BRC7C52							
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							

Contains fluorinated greenhouse gases

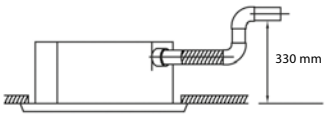
Ceiling mounted corner cassette

1-way blow unit for corner installation

- Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both



- Maintenance operations can be performed by removing the front panel
- Standard drain pump with 330mm lift increases flexibility and installation speed



FXKQ-MA

BRC1H52W, BRC4C61

More details and final information can be found by scanning or clicking the QR codes.

FXKQ-MA

Indoor Unit				FXKQ	25MA	32MA	40MA	63MA
Cooling capacity	Total capacity	At high fan speed		kW	2.8	3.6	4.5	7.10
Heating capacity	Total capacity	At high fan speed		kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.066		0.076	0.105
	Heating	At high fan speed		kW	0.046		0.056	0.085
Dimensions	Unit	HeightxWidthxDepth		mm	215x1,110x710			215x1,310x710
Weight	Unit			kg	31			34
Casing	Material				Galvanised steel plate			
Decoration panel	Model				BYK45FJW1			BYK71FJW1
	Colour				White			
	Dimensions	HeightxWidthxDepth		mm	70x1,240x800			70x1,440x800
	Weight			kg	8.5			9.5
Fan	Air flow rate - 50Hz	Cooling	At high fan speed/ At low fan speed	m^3/min	11/9		13/10	18/15
Air filter	Type				Resin net with mold resistance			
Sound power level	Cooling	At high fan speed/ At low fan speed		dBA	54/49		56/50	58/53
Sound pressure level	Cooling	At high fan speed/ At low fan speed		dBA	38.0/33.0		40.0/34.0	42.0/37.0
Refrigerant	Type/GWP				R-410A/2,087.5			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	OD		mm	12.7			15.9
	Drain				VP25 (O.D. 32 / I.D. 25)			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A	15			
Control systems	Infrared remote control				BRC4C61			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			

Contains fluorinated greenhouse gases

Multi zoning kit

for concealed ceiling units

Easy selection via our NEW software!

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Benefits

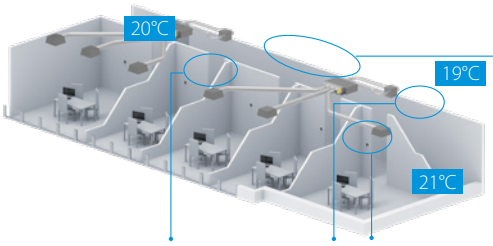
Increased comfort

› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation

How does it work?



Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Bluezero - Airzone Main Thermostat
› Color graphic interface for controlling zones

AZCE6BLUEZEROCB (Wired)

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones

AZCE6THINKRB (Wireless)

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	VRV IV+ FXSQ-A 15	20	25	32	40	50	63	80	100	125	140
Standard plenum	2	AZE(Z/R)6DAIST07XS2	300 x 930 x 454	200																						•	•	•	•						
		AZE(Z/R)6DAIST07S2							•	•																			•	•					
	3	AZE(Z/R)6DAIST07XS3																								•	•	•	•						
		AZE(Z/R)6DAIST07S3							•	•																			•	•					
	4	AZE(Z/R)6DAIST07S4	300 x 1,140 x 454						•	•																			•	•					
		AZE(Z/R)6DAIST07M4									•	•				•															•	•			
	5	AZE(Z/R)6DAIST07M5	300 x 1,425 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L5											•	•	•		•	•															•	•	
	6	AZE(Z/R)6DAIST07M6	300 x 1,638 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L6											•	•	•		•	•															•	•	
	7	AZE(Z/R)6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL7																																	•
	8	AZE(Z/R)6DAIST07L8											•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL8																																	•
Medium plenum	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIBS07S2							•	•																			•	•					
	3	AZEZ6DAIBS07XS3																								•	•	•	•						
		AZEZ6DAIBS07S3							•	•																			•	•					
		AZEZ6DAIBS07M3									•	•				•															•	•			
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																			•	•					
		AZEZ6DAIBS07M4									•	•				•															•	•			
		AZEZ6DAIBS07L4											•	•	•		•	•															•	•	
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																			•	•					
		AZEZ6DAIBS07M5									•	•				•															•	•			
		AZEZ6DAIBS07L5											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL5																																	•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•															•	•			
		AZEZ6DAIBS07L6											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL6																																	•
Slim plenum	2	AZE(Z/R)6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZE(Z/R)6DAISL01S3			•	•													•	•	•	•													
	4	AZE(Z/R)6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZE(Z/R)6DAISL01L5	210 x 1,140 x 444				•	•																	•										

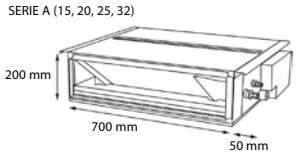
(1) Z models are reversible; R models are heating only
(2) Medium Ceiling Void reversible units can be blocked to heating only via AZX6MCS module

For more information on options refer to page 190

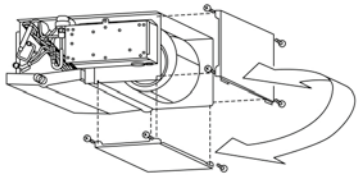
Slim concealed ceiling unit

Slim design for flexible installation

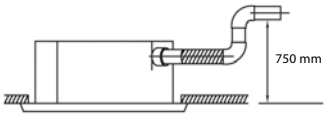
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm

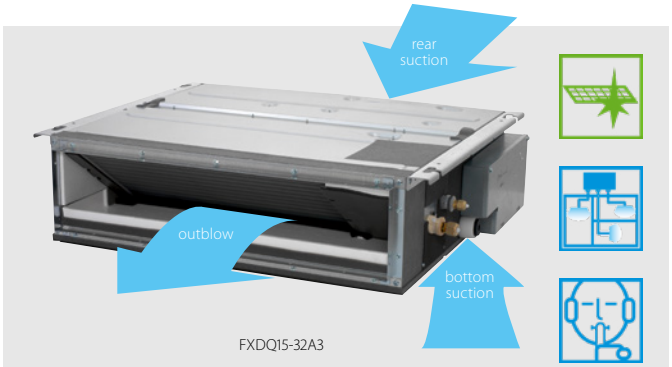


› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Flexible installation, as the air suction direction can be altered from rear to bottom suction



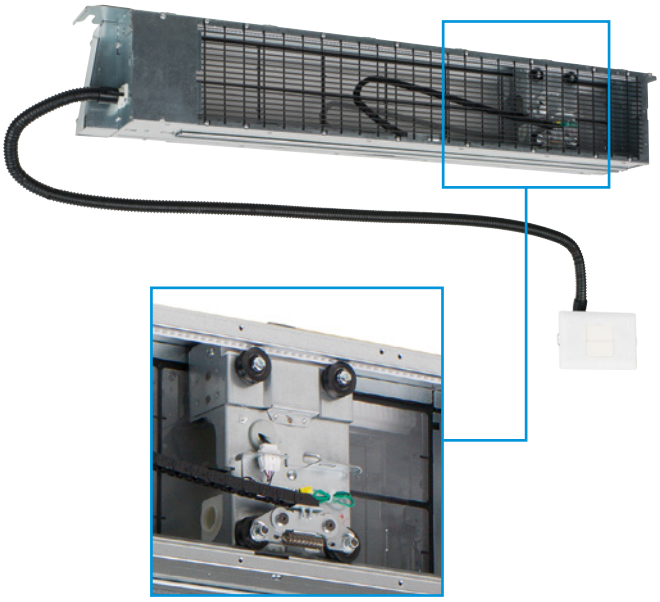
› Standard drain pump with 600mm lift increases flexibility and installation speed





FXDQ15-32A3

BRC1H52W, BRC4C65



Auto cleaning filter option

More details and final information can be found by scanning or clicking the QR codes.

FXDQ-A3

Indoor Unit				FXDQ	15A3	20A3	25A3	32A3	40A3	50A3	63A3
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW		0.036		0.041	0.042	0.053	0.062
	Heating	At high fan speed		kW		0.036		0.041	0.042	0.053	0.062
Required ceiling void >				mm			240				
Dimensions	Unit	HeightxWidthxDepth		mm		200x750x620			200x950x620		200x1,150x620
Weight	Unit			kg		22			26		29
Casing	Material						Galvanised steel				
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	7.5/7.0/6.4	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High		Pa		10/30.0			15/44.0		
Air filter	Type						Removable / washable				
Sound power level	Cooling	At high fan speed		dBA	50	51			52	53	54
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
Refrigerant	Type/GWP						R-410A/2,087.5				
Piping connections	Liquid	OD		mm			6.35				9.52
	Gas	OD		mm			12.7				15.9
	Drain						VP20 (I.D. 20/O.D. 26)				
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220				
Current - 50Hz	Maximum fuse amps (MFA)			A			16				
Control systems	Infrared remote control						BRC4C65 / BRC4C66				
	Wired remote control						BRC1D528 / BRC1E51				

Contains fluorinated greenhouse gases

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

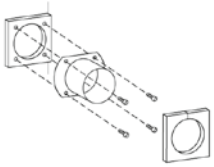
› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

› 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
› Reduced energy consumption thanks to specially developed DC fan motor and drain pump
› Optional fresh air intake

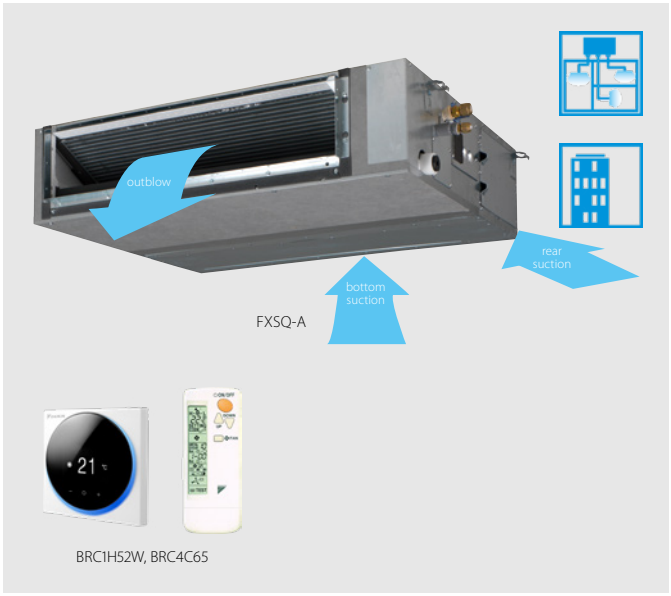
Fresh air intake opening in casing

* Brings in up to 10% of fresh air into the room

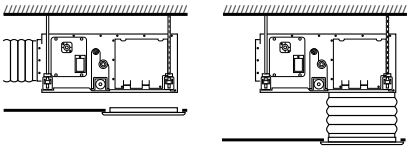
Optional fresh air intake kit



* Allow larger quantities of fresh air to be brought in



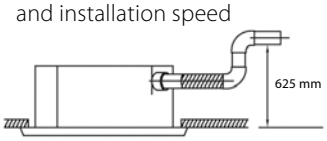
› Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



For free use into a false ceiling

For connecting onto a suction canvas (not supplied by Daikin)

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

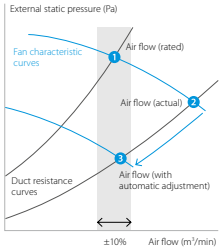


Automatic Airflow Adjustment function

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



More details and final information can be found by scanning or clicking the QR codes.

FXSQ-A

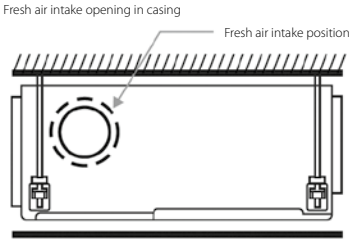
Indoor Unit				FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.041			0.045	0.087	0.089	0.101	0.135	0.173	0.237	0.247
	Heating	At high fan speed		kW	0.041			0.045	0.087	0.089	0.101	0.135	0.173	0.237	0.247
Dimensions	Unit	HeightxWidthxDepth		mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit			kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material				Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	8.7/7.50/6.5	9.0/7.50/6.5		9.5/8.00/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
		Heating	At high / medium / low fan speed	m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
	External static pressure - 50Hz	Factory set / High		Pa	30/150							40/150		50/150	
Air filter	Type				Resin net										
Sound power level	Cooling	At high fan speed		dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	29.5/28.0/25.0	30.0/28.0/25.0		26.0/29.0/26.0	35.0/32.0/29.0		33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
	Heating	At high / medium / low fan speed		dBA	31.5/29.0/26.0	32.0/29.0/26.0		33.0/30.0/27.0	37.0/34.0/29.0		35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWP				R-410A/2,087.5										
Piping connections	Liquid	OD		mm	6.35						9.52				
	Gas	OD		mm	12.7						15.9				
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)			A	16										
Control systems	Infrared remote control				BRC4C65										
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										

Contains fluorinated greenhouse gases

Concealed ceiling unit with high ESP

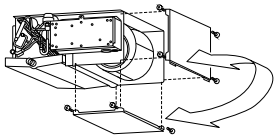
Ideal for large sized spaces: ESP up to 250 Pa

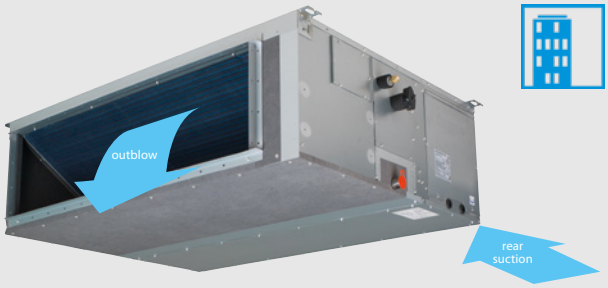
- High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)



* Brings in up to 10% of fresh air into the room

- Flexible installation, as the air suction direction can be altered from rear to bottom suction

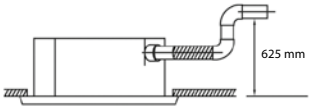




FXMQ200-250A

BRC1H52W, BRC4C65

- Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)



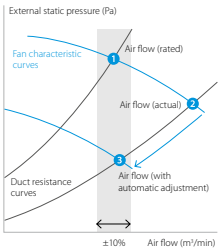
- Large capacity unit: up to 31.5 kW heating capacity

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



More details and final information can be found by scanning or clicking the QR codes. FXMQ-P7 FXMQ-A

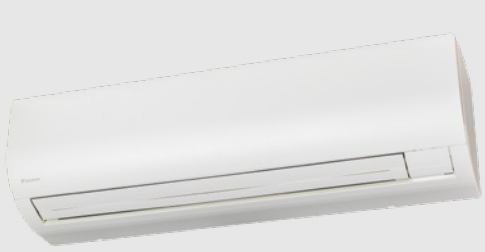
Indoor Unit				FXMQ	50P7	63P7	80P7	100P7	125P7	200A	250A
Cooling capacity	Total capacity	At high fan speed		kW			-			22.4	28.0
	Nom.			kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Heating capacity	Total capacity	At high fan speed		kW			-			25.0	31.5
	Nom.			kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.110	0.120	0.171	0.176	0.241	0.54	0.65
	Heating	At high fan speed		kW	0.098	0.108	0.159	0.164	0.229	0.54	0.65
Required ceiling void >				mm			350			-	
Dimensions	Unit	HeightxWidthxDepth		mm		300x1,000x700		300x1,400x700		470x1,490x1,100	
Weight	Unit			kg		35		46		105	115
Fan	Air flow rate - 50Hz	Cooling	At high/medium/low fan speed	m^3/min	18.0/16.5/15.0	19.5/17.8/16.0	25.0/22.5/20.0	32.0/27.5/23.0	39.0/33.5/28.0	62/48/41	74/64/52
		Heating	At high/medium/low fan speed	m^3/min	18.0/16.5/15.0	19.5/17.8/16.0	25.0/22.5/20.0	32.0/27.5/23.0	39.0/33.5/28.0	62/48/41	74/64/52
	External static pressure - 50Hz	Factory set / High		Pa			100/200			150/250	
Air filter	Type						Resin net			-	
Sound power level	Cooling	At high/medium/low fan speed		dBA	61.0/-/-	64.0/-/-	67.0/-/-	65.0/-/-	70.0/-/-	75/74/72	76/75/73
	Heating	At high/medium/low fan speed					-			75/74/72	76/75/73
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
	Heating	At high/medium/low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
Refrigerant	Type/GWP						R-410A/-			R-410A/2,087.5	
Piping connections	Liquid	OD		mm	6.35		9.52				
	Gas	OD		mm	12.7		15.9			19.1	22.2
	Drain						VP25 (I.D. 25/O.D. 32)			BSP1	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220 +/-10%			1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A			6				
Control systems	Infrared remote control						BRC4C65				
	Wired remote control						BRC1H52W/S/K/BRC1E53A/BRC1E53B/BRC1E53C/BRC1D52				

Contains fluorinated greenhouse gases

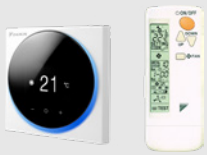
Wall mounted unit

For rooms with no false ceilings nor free floor space

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit



FXAQ-A



BRC1H52W, BRC7EA628

More details and final information can be found by scanning or clicking the QR codes.

FXAQ-A

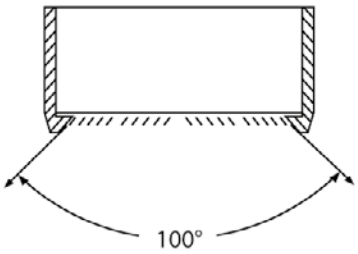
Indoor Unit				FXAQ	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.02		0.03		0.02	0.03	0.05
	Heating	At high fan speed		kW	0.03			0.04	0.02	0.04	0.06
Dimensions	Unit	HeightxWidthxDepth		mm	290x795x266				290x1,050x269		
Weight	Unit			kg	12				15		
Fan	Air flow rate - 50Hz	Cooling	At high fan speed/ At low fan speed	m^3/min	8.4/7.0	9.1/7.0	9.4/7.0	9.8/7.0	12.2/9.7	14.4/11.5	18.3/13.5
Air filter	Type				Washable resin net						
Sound power level	Cooling	At high fan speed		dBA	51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure level	Cooling	At high fan speed/ At low fan speed		dBA	32.0/28.5	33.0/28.5	35.0/28.5	37.5/28.5	37.0/33.5	41.0/35.5	46.5/38.5
	Heating	At high fan speed/ At low fan speed		dBA	33.0/28.5	34.0/28.5	36.0/28.5	38.5/28.5	38.0/33.5	42.0/35.5	47.0/38.5
Refrigerant	Type/GWP				R-410A/2,087.5						
Piping connections	Liquid	OD		mm	6.35						9.52
	Gas	OD		mm	12.7						15.9
	Drain				VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16						
Control systems	Infrared remote control				BRC7EA628 / BRC7EA629						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						

Contains fluorinated greenhouse gases

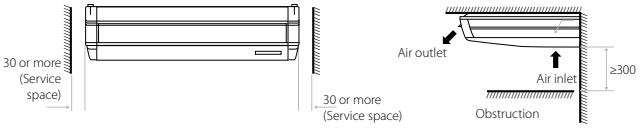
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle

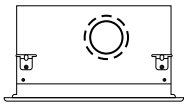


› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Two optional intelligent sensors improve energy efficiency and comfort
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

FXHQ63A

BRC1H52W, BRC7GA53-9

More details and final information can be found by scanning or clicking the QR codes.

FXHQ-A

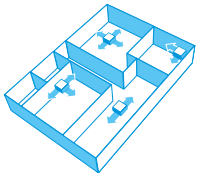
Indoor Unit				FXHQ	32A	63A	100A
Cooling capacity	Total capacity	At high fan speed		kW	3.6	7.1	11.2
Heating capacity	Total capacity	At high fan speed		kW	4.0	8.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.107	0.111	0.237
	Heating	At high fan speed		kW	0.107	0.111	0.237
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit			kg	24	33	39
Casing	Material				Resin		
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
		Heating	At high / medium / low fan speed	m^3/min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
Air filter	Type				Resin net with mold resistance		
Sound power level	Cooling	At high / medium / low fan speed		dBA	54/52/49	55/53/52	62/55/52
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
	Heating	At high / medium / low fan speed		dBA	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWP				R-410A/2,087.5		
Piping connections	Liquid	OD		mm	6.35	9.52	
	Gas	OD		mm	12.7	15.9	
	Drain				VP20 (I.D. 20/O.D. 26)		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		
Current - 50Hz	Maximum fuse amps (MFA)			A	16		
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		

Contains fluorinated greenhouse gases

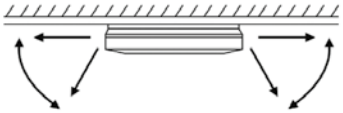
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

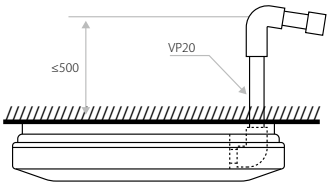
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!

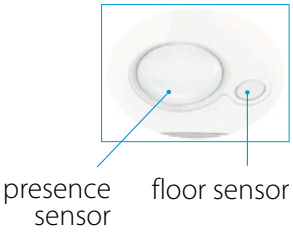


- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60° can be programmed via the remote control



- Standard drain pump with 720mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.

FXUQ-A

Indoor Unit				FXUQ	71A	100A
Cooling capacity	Total capacity	At high fan speed		kW	8.0	11.2
Heating capacity	Total capacity	At high fan speed		kW	9.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.090	0.200
	Heating	At high fan speed		kW	0.073	0.179
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950	
Weight	Unit			kg	26	27
Casing	Material				Resin	
Fan	Air flow rate - 50Hz	Cooling	At high/medium/low fan speed	m^3/min	22.5/19.5/16.0	31.0/26.0/21.0
		Heating	At high/medium/low fan speed	m^3/min	22.5/19.5/16.0	31.0/26.0/21.0
Air filter	Type				Resin net with mold resistance	
Sound power level	Cooling	At high/medium/low fan speed		dBA	58/56/54	65/62/58
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	At high/medium/low fan speed		dBA	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GWP				R-410A/2,087.5	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	15.9	
	Drain				I.D. 20/O.D. 26	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	
Control systems	Infrared remote control				BRC7C58	
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52	

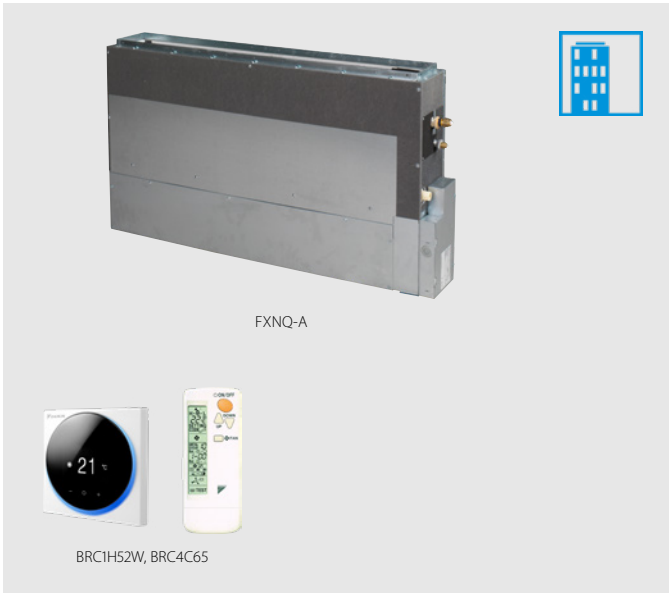
Contains fluorinated greenhouse gases

Concealed floor standing unit

Designed to be concealed in walls

› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Requires very little installation space as the depth is only 200mm

› Its low height (620 mm) enables the unit to fit perfectly beneath a window
› High ESP allows flexible installation



FXNQ-A

BRC1H52W, BRC4C65

More details and final information can be found by scanning or clicking the QR codes.

FXNQ-A

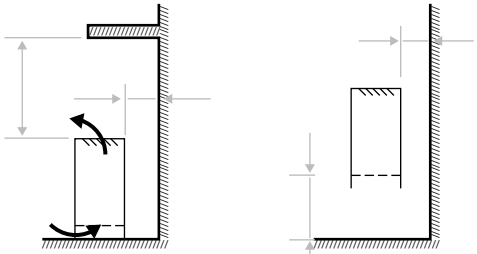
Indoor Unit					FXNQ	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed			kW	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fan speed			kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fan speed			kW	0.071			0.078	0.099	0.110
	Heating	At high fan speed			kW	0.068			0.075	0.096	0.107
Dimensions	Unit	HeightxWidthxDepth			mm	620/720x790x200			620/720x990x200		620/720x1,190x200
Weight	Unit				kg	23.5			27.5		32.0
Casing	Material					Galvanised steel plate					
Fan	Air flow rate - 50Hz	Cooling	At high/medium/low fan speed		m^3/min	8.0/7.20/6.4			10.5/9.50/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		Heating	At high/medium/low fan speed		m^3/min	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High			Pa	10/41.0		10/42.0	15/52.0	15/59.0	15/55.0
Air filter	Type					Resin net					
Sound power level	Cooling	At high fan speed			dBA	51			52	53	54
Sound pressure level	Cooling	At high/medium/low fan speed			dBA	30.0/28.5/27.0			32.0/30.0/28.0	33.0/31.0/29.0	35.0/33.0/32.0
	Heating	At high/medium/low fan speed			dBA	30.0/28.5/27.0			32.0/30.0/28.0	33.0/31.0/29.0	35.0/33.0/32.0
Refrigerant	Type/GWP					R-410A/2,087.5					
Piping connections	Liquid	OD			mm	6.35					9.52
	Gas	OD			mm	12.7					15.9
	Drain					VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)				A	16					
Control systems	Infrared remote control					BRC4C65					
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

Contains fluorinated greenhouse gases

Floor standing unit

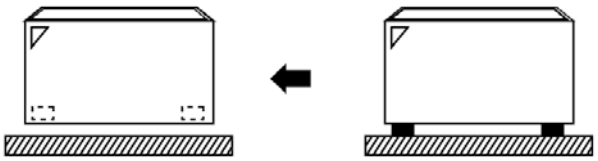
For perimeter zone air conditioning

- Unit can be installed as free standing model by use of optional back plate
- Its low height enables the unit to fit perfectly beneath a window
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7012) blends easily with any interior
- Requires very little installation space



Floor standing Wall mounted

- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate



- Wired remote control can easily be integrated in the unit

FXLQ20-25P

BRC1H52W, BRC4C65

More details and final information can be found by scanning or clicking the QR codes.

FXLQ-P

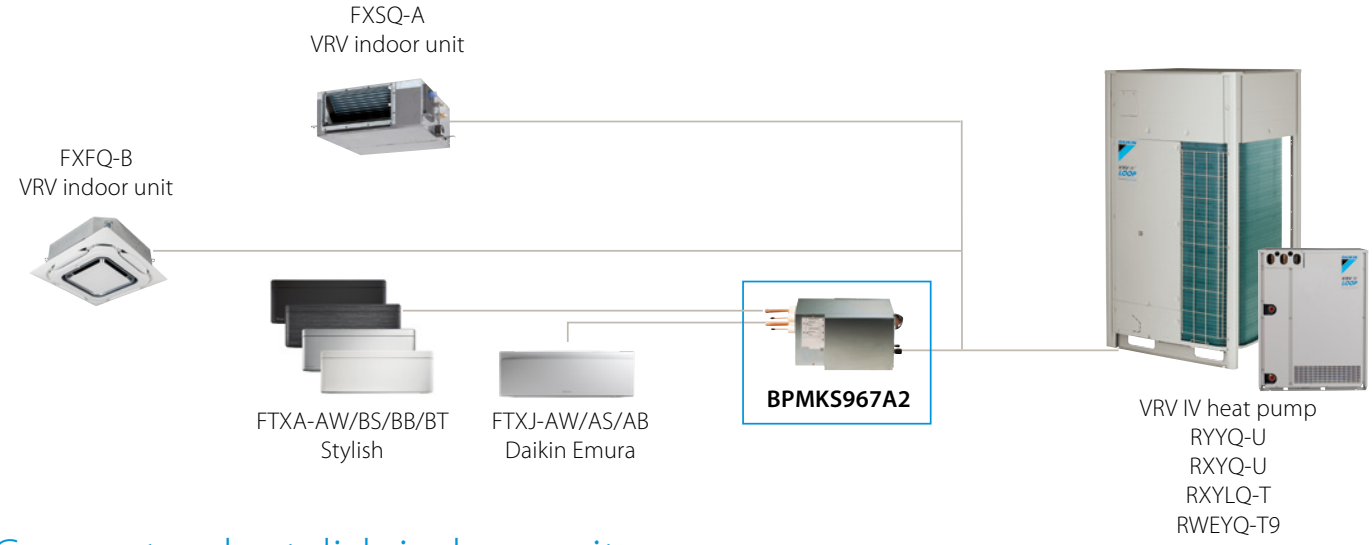
Indoor Unit				FXLQ	20P	25P	32P	40P	50P	63P
Cooling capacity	Total capacity	At high fan speed		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.05		0.09		0.11	
	Heating	At high fan speed		kW	0.05		0.09		0.11	
Dimensions	Unit	HeightxWidthxDepth		mm	600x1,000x232		600x1,140x232		600x1,420x232	
Weight	Unit			kg	27		32		38	
Fan	Air flow rate - 50Hz	Cooling	At high fan speed/ At low fan speed	m^3/min	7/6.0		8/6.0	11/8.5	14/11.0	16/12.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	54			57	58	59
Sound pressure level	Cooling	At high fan speed/ At low fan speed		dBA	35/32			38/33	39/34	40/35
	Heating	At high fan speed/ At low fan speed		dBA	35/32			38/33	39/34	40/35
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					15.9
	Drain				O.D. 21 (Vinyl chloride)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	15					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

Contains fluorinated greenhouse gases

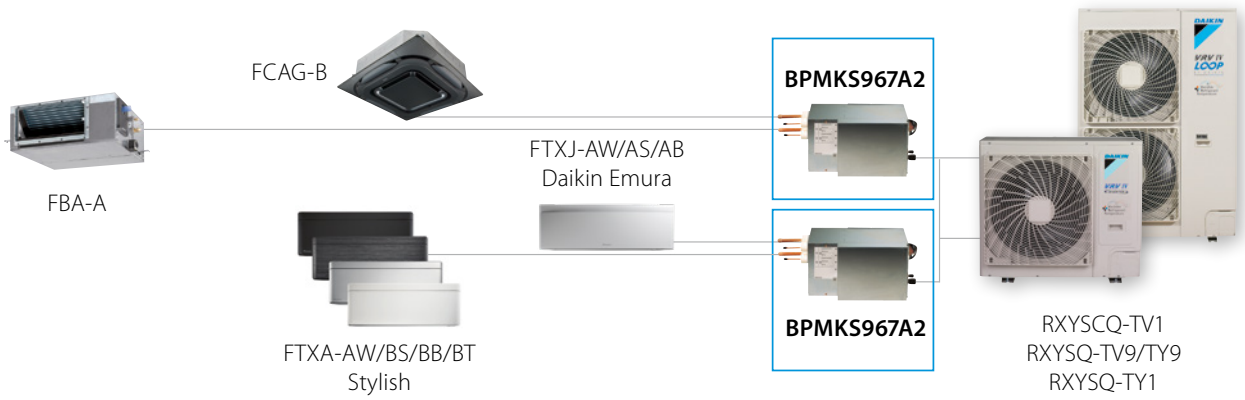
VRV heat pump combined with stylish indoor units

Combine VRV indoor units with stylish indoor units

on a VRV IV heat pump



Connect only stylish indoor units to VRV IV S-series or VRV IV W-series outdoor units



* Special order unit, contact your local sales representative for more information

BPMKS967A

Branch provider

To connect Split and Sky Air indoor units to VRV outdoor units

BPMKS967A2

Branch provider			BPMKS967A2	FBPMKS967A2
Connectable indoor units			1~2	1~3
Max. indoor unit connectable capacity				
Max. connectable combination				
Dimensions	Height x Width x Depth	mm	180x294x350	
Weight		kg		

Wall mounted unit

Design that speaks for itself

- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white, silver and black
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc.
- Onecta app: control your indoor from any location with an app, via your local network or internet
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!

More details and final information can be found by scanning or clicking the QR codes.

FTXJ-AW FTXJ-AS FTXJ-AB RXJ-A

Indoor unit				FTXJ	20AW/S/B	25AW/S/B	35AW/S/B	42AW/S/B	50AW/S/B
Dimensions	Unit	HeightxWidthxDepth		mm	305x900x212				
Weight	Unit			kg	12				
Air filter	Type				Removable / washable				
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6/6.0/8.4/11.0	4.6/6.0/8.6/11.4	4.6/6.0/8.6/11.8	4.6/7.2/9.5/13	5.2/7.6/10.4/13.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.6/6.4/8.7/11.1	4.6/6.4/9.0/11.3	4.6/6.4/9.0/11.7	5.2/7.7/10.5/14.4	5.7/8.2/11.1/15.0
Sound power level	Cooling			dBA	57	57	60	60	60
	Heating			dBA	-	-	-	-	-
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39	19/25/40	19/25/41	21/29/45	24/31/46
	Heating	Silent operation/Low/High		dBA	19/25/39	19/25/40	19/25/41	21/29/45	24/33/46
Control systems	Infrared remote control				ARC488A1W/S/K				

* +2 dBA in Multi combination

stylish

Wall mounted unit

Most compact design wall mounted unit

- A compact and functional design suitable for all interiors in a white, black, silver and blackwood coloured elegant finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- STANDARD INCLUDED Onecta app: control your indoor from any location with an app, via your local network or internet
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.

GOOD DESIGN

DESIGN AWARD 2018

reddot award 2018 winner

More details and final information can be found by scanning or clicking the QR codes.

FTXA-AW FTXA-BS FTXA-BT FTXA-BB

Indoor unit				FTXA	CTXA15 AW/BS/BT/BB	20AW/BS/BT/BB	25AW/BS/BT/BB	35AW/BS/BT/BB	42AW/BS/BT/BB	50AW/BS/BT/BB
Dimensions	Unit	HeightxWidthxDepth		mm	295x798x189					
Weight	Unit			kg	12					
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/ High	m^3/min	4.6/6.1/8.2/11.0	4.6/6.1/8/11.0	4.6/6.1/9/11.5	4.6/6.1/9/11.9	4.6/7.2/10/13.1	5.2/7.6/10/13.5
		Heating	Silent operation/ Low/Medium/ High	m^3/min	4.5/6.4/8.7/10.9		4.5/6.4/9.0/11.1	4.5/6.4/9.0/11.5	5.2/7.7/10.5/14.6	5.7/8.2/11.1/15.1
Sound power level	Cooling			dBA	57			60		
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39		19/25/40	19/25/41	21/29/45	24/31/46
	Heating	Silent operation/Low/High		dBA	19/25/39		19/25/40	19/25/41	21/29/45	24/31/46 24/33/46
Control systems	Infrared remote control				ARC466A58					
	Wired remote control				BRC073					

perfera

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Quiet operation: down to 19dBA sound pressure level
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (larger capacity area)

More details and final information can be found by scanning or clicking the QR codes.

CTXM-R FTXM-R

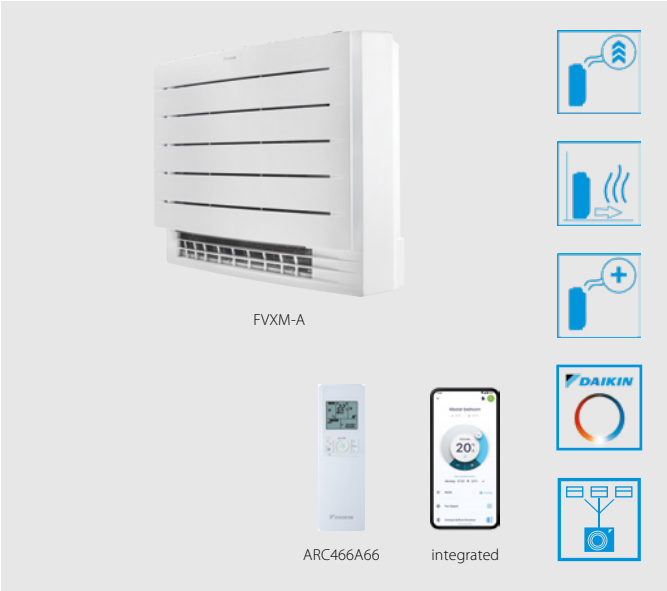
Indoor unit				FTXM	CTXM15R	20R	25R	35R	42R	50R	60R	71R
Dimensions	Unit	HeightxWidthxDepth		mm	295x778x272						299x998x292	
Weight	Unit			kg	10.0						14.5	
Air filter	Type				Removable/washable							
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/5.7/7.5/10.5		4.1/5.7/7.6/10.5	4.2/6.0/7.8/11.3	4.3/6.5/9.0/11.9	8.3/11.4/14/15.8	9.1/11.8/14/16.7	10.0/12.2/15/16.9
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.1/6.2/8.2/9.3		4.9/6.3/8.0/9.8	4.9/6.5/8.5/9.8	4.9/6.5/9.7/12.4	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5	11.6/12.7/15.8/17.7
Sound power level	Cooling			dBA	57			58	60	58.0	60.0	
	Heating			dBA	54				60	58.0	59.0	61.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/41			19/29/45	21/30/45	27.0/36.0/44.0	30.0/37.0/46.0	32.0/38.0/47.0
	Heating	Silent operation/Low/High		dBA	20/26/39		20/27/39	20/28/39	21/29/45	31.0/34.0/43.0	33.0/36.0/45.0	34.0/37.0/46.0
Control systems	Infrared remote control				ARC466A67							

perfera

Floor standing unit

Design floor standing unit for optimal heating comfort thanks to unique heating features

- Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- Excellent contemporary design
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- The floor warming function optimises convection by distributing hot air from the bottom of the unit
- The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- Dual air discharge flow for better air distribution
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Onecta app: control your indoor from any location with an app, via your local network or internet.



- Quiet operation: down to 19dBA sound pressure level
- Combinable with 2 and 3 port multi outdoor units (except 2-3MXM68)

More details and final information can be found by scanning or clicking the QR codes.

CVXM-A

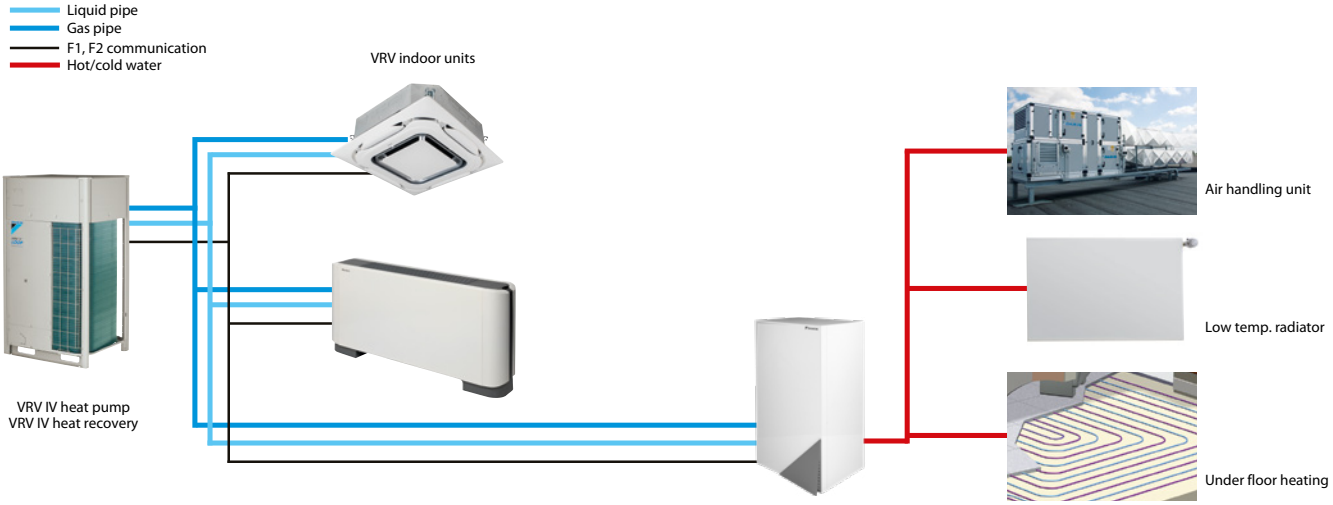
FVXM-A

Indoor unit				FVXM	CVXM20A	25A	35A	50A
Dimensions	Unit	HeightxWidthxDepth		mm	600x750x238			
Weight	Unit			kg	17			
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/4.9/7/8.7		4.1/4.9/7/9.2	5.4/6.6/9/11.6
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.1/5.6/7.2/9.2		4.1/5.6/7.2/9.8	5.9/8.4/10.0/12.8
Sound power level	Cooling			dBA	52.0		53.0	61.0
	Heating			dBA	52.0		53.0	62.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	22.0/25.0/38.0	20.0/25.0/38.0	20.0/25.0/39.0	27.0/31.0/44.0
	Heating	Silent operation/Low/High		dBA	21.0/25.0/38.0	19.0/25.0/38.0	19.0/25.0/39.0	29.0/35.0/46.0
Control systems	Infrared remote control				ARC466A66			

Low temperature hydrobox for VRV

For high efficiency space heating and cooling

- Air to water connection to VRV for applications such as underfloor, air handling units, low temperature radiators, …
- Leaving water temperature range from 5°C to 45°C without electric heater
- Super wide operating range for hot/cold water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Space saving contemporary wall mounted design
- No gas connection or oil tank needed
- Connectable to VRV IV heat pump and heat recovery



More details and final information can be found by scanning or clicking the QR codes.

HXY-A8

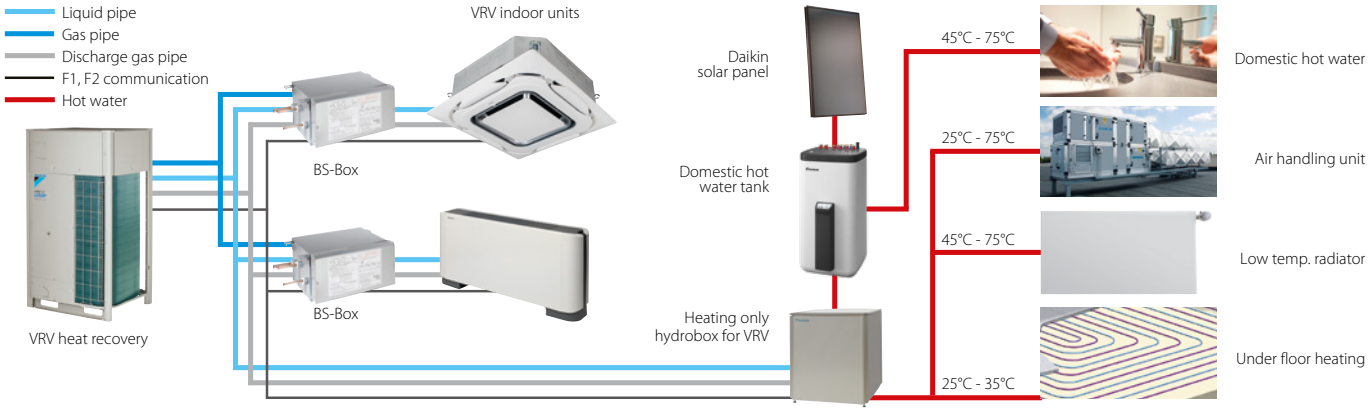
Indoor Unit			HXY	080A8	125A8
Cooling capacity	Nom.		kW	8.0 (1)	12.5 (1)
Heating capacity	Nom.		kW	9.00 (2)	14.00 (2)
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344	
Weight	Unit		kg	44.0	
Operation range	Heating	Ambient Min.~Max.	°C	-20 ~24	
		Water side Min.~Max.	°C	25 ~45	
	Cooling	Ambient Min.~Max.	°CDB	10 ~43	
		Water side Min.~Max.	°C	5 ~20	
Refrigerant	Type			R-410A	
	GWP			2,087.5	
Sound pressure level	Nom.		dBA	31	
Refrigerant circuit	Gas side diameter		mm	15.9	
	Liquid side diameter		mm	9.5	
Water circuit	Piping connections diameter		inch	G 1"1/4 (female)	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240	
Current	Recommended fuses		A	6~16	

(1)Tamb 35°C - LWE 18°C (DT=5°C) | (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | Contains fluorinated greenhouse gases

High temperature hydrobox for VRV

For efficient hot water production and space heating

- Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- Leaving water temperature range from 25 to 80°C without electric heater
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- Possibility to connect thermal solar collectors to the domestic hot water tank
- Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Various control possibilities with weather dependant set point or thermostat control
- The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- No gas connection or oil tank needed
- Connectable to VRV IV heat recovery



More details and final information can be found by scanning or clicking the QR codes.

HXHD-A8

Indoor Unit				HXHD	125A8	200A8
Heating capacity	Nom.			kW	14.0	22.4
Casing	Colour				Metallic grey	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	705x600x695	
Weight	Unit			kg	92.0	147
Operation range	Heating	Ambient	Min.~Max.	°C	-20.0 ~20 (3) / 20	
		Water side	Min.~Max.	°C	25 ~80.0	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20.0 ~43.0	
		Water side	Min.~Max.	°C	45 ~75	
Refrigerant	Type / GWP				R-134a / 1,430	
	Charge			kg	2.00	2.60
Sound power level	Nom.			dBA	55.0 (1)	60.0 (1)
Sound pressure level	Nom.			dBA	42.0 (1) / 43.0 (2)	46.0 (1) / 46.0 (2)
	Night quiet mode	Level 1		dBA	38 (1)	45 (1)
Water circuit	Piping connections diameter			inch	G 1" (female)	
	Heating water system	Water volume	Max. ~ Min.	l	200 ~ 20	400 ~ 20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415
Current	Recommended fuses			A	20	16

(1)Sound levels are measured at: EW 55°C; LW 65°C | (2)Sound levels are measured at: EW 70°C; LW 80°C | (3)Field setting | Contains fluorinated greenhouse gases

Daikin Altherma ST Thermal store

Plastic domestic **hot water tank with solar support**

› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
› Available in 300 and 500 liters

More details and final information can be found by scanning or clicking the QR codes.

EKHWP-B EKHWP-PB

Accessory				EKHWP	300B	500B	300PB	500PB	54419B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	Width	mm		595	790	595	790	
		Depth	mm		615	790	615	790	
		Height	mm		1,646	1,658	1,646	1,658	
Weight	Unit	Empty	kg		53	76	56	82	71
Tank	Water volume		L		294	477	294	477	
	Material				Polypropylene				
	Maximum water temperature		°C		85				
	Insulation	Heat loss	kWh/24h		1.50	1.70	1.50	1.70	
	Energy efficiency class				B				
	Standing heat loss		W		64	72	64	72	
	Storage volume		L		290	393	290	393	
Heat exchanger	Domestic hot water	Quantity			1				
		Tube material			Stainless steel (DIN 1.4404)				
		Face area	m^2		5.60	5.80	5.60	5.90	5.80
		Internal coil volume	L		27.80	28.90	27.80	29	28.90
		Operating pressure	bar		10				
	Charging	Quantity			1				
		Tube material			Stainless steel (DIN 1.4404)				
		Face area	m^2		2.66	3.70	2.66	3.70	1.95
		Internal coil volume	L		12.90	18.10	12.90	18.10	10
		Operating pressure	bar		6				3
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)	
		Face area	m^2		-	0.76	-	0.76	
		Internal coil volume	L		-	3.90	-	3.90	
		Operating pressure	bar		-	3	-	3	

EKSV-P/EKSH-P

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal solar collector for domestic hot water production
- Vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles
- Can be used for drain-back and pressurised applications

EKSV21P

More details and final information can be found by scanning or clicking the QR codes. EKSV-P EKSH-P

Accessory				EKSV21P	EKSV26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2,000x1,006x85	2,000x1,300x85	1,300x2,000x85
Weight	Unit		kg	33	42	
Volume			L	1.30	1.70	2.10
Surface	Outer		m^2	2.01	2.60	
	Aperture		m^2	1,800	2,360	
	Absorber		m^2	1.80	2.36	
Coating				Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber				Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing				Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min. ~ Max.		°	15 ~ 80		
Operating pressure	Max.		bar	6		
Stand still temperature	Max.		°C	192		
Thermal performance	Collector efficiency (ηcol)		%	53		
	Zero loss collector efficiency η0		%	0.71		
	Heat loss coefficient a1		$W/m^2.K$	4,300		
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.006		
	Thermal capacity		kJ/K	4.90	6.50	

EKSRPS4A/EKSRDS2A

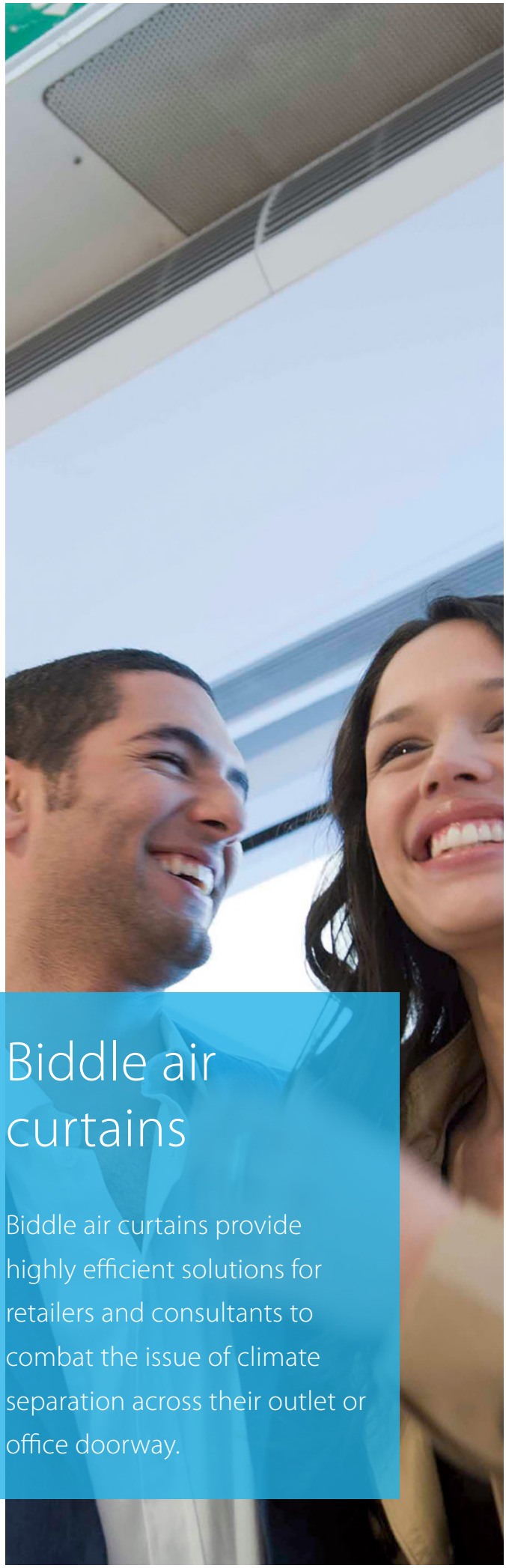
Pump station

- Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
- Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank

EKSRPS4A

More details and final information can be found by scanning or clicking the QR codes. EKSRPS4A EKSRDS2A

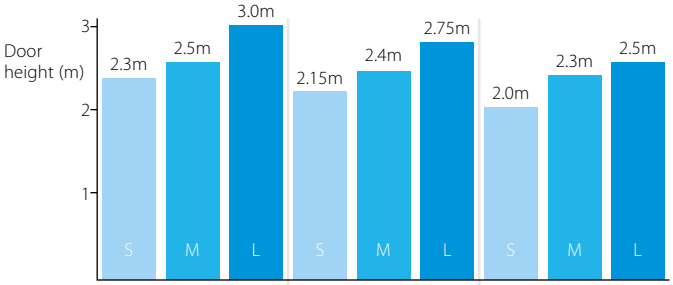
Accessory				EKSRPS4A	EKSRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm	815x142x230	410x314x154
Weight	Unit		kg	6.40	6
Operation range	Ambient temperature	Min. ~ Max.	°C	5 ~ 40	- ~ 40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage		Hz/V	1 ~/50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	37.3	23
	Annual auxiliary electricity consumption Qaux		kWh	92.1	89
	Solstandby		W	2.00	5.00



Biddle air curtains

Biddle air curtains provide highly efficient solutions for retailers and consultants to combat the issue of climate separation across their outlet or office doorway.

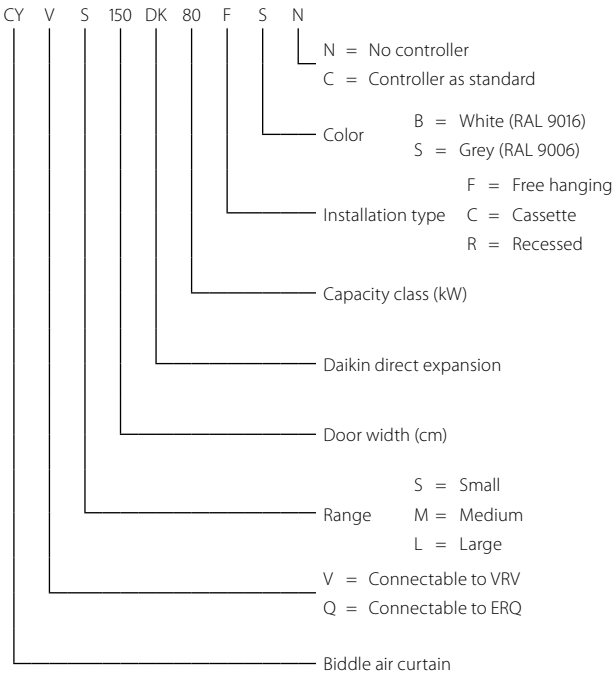
Biddle air curtain portfolio



Installation condition	Favourable	Normal	Unfavourable
	ex: covered shopping mall or revolving door entrance	ex: little direct wind, no opposite open doors, building with ground floor only	ex: location at a corner or square, multiple floors and / or open stairwell

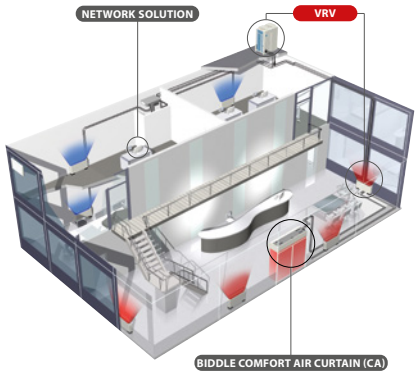
Type	Product name	Features	
Biddle standard air curtain free hanging	CYV S/M/L-DK-F	- CYQ - Biddle air curtain for connection to ERQ - Connectable to ERQ heat pump - Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible - Free-hanging model (F): easy wall mounted installation - Recessed model (R): neatly conceiled in the ceiling - A payback period of less than 1.5 years compared to installing an electric air curtain - Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required	
Biddle standard air curtain cassette	CYV S/M/L-DK-C		
Biddle standard air curtain recessed	CYV S/M/L-DK-R		

Biddle air curtain nomenclature



Biddle air curtain for VRV and Conveni-pack

- Connectable to VRV heat recovery, heat pump and Conveni-pack
- VRV is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity



New R-32 range coming in 2023

VRV 5

More details and final information can be found by scanning or clicking the QR codes.

CYV

				Small				Medium			
				CYVS100DK80 *BC/*SC	CYVS150DK80 *BC/*SC	CYVS200DK100 *BC/*SC	CYVS250DK140 *BC/*SC	CYVM100DK80 *BC/*SC	CYVM150DK80 *BC/*SC	CYVM200DK100 *BC/*SC	CYVM250DK140 *BC/*SC
Heating capacity	Speed 3		kW	7.40	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	19	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006							
Dimensions	Unit	Height F/C/R	mm	270/270/270							
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561							
Required ceiling void >			mm	420							
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	56	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,164	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5							
Piping connections	Liquid/OD/Gas/OD		mm	9.52/15.9			9.52/19.1	9.52/15.9			9.52/19.1
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)							
Power supply	Voltage		V	230							

				Large			
				CYVL100DK125*BC/*SC	CYVL150DK200*BC/*SC	CYVL200DK250*BC/*SC	CYVL250DK250*BC/*SC
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/15.9	9.52/19.1	9.52/22.2	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway

Daikin offers the widest range in DX ventilation in the market.
With a variety of ventilation solutions from small heat recovery ventilation to large scale air handling units we help provide a fresh, healthy and comfortable environment in offices, hotels, stores and other commercial environments.

Commercial
Ventilation & Air Purification

Why choose Daikin ventilation 156

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Daikin air handling units with DX connection 170

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Advantages 178

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Want to know more about ventilation systems and how Indoor Air Quality can be secured by ventilation? Follow our online webinar!

For latest data, please consult my.daikin.eu

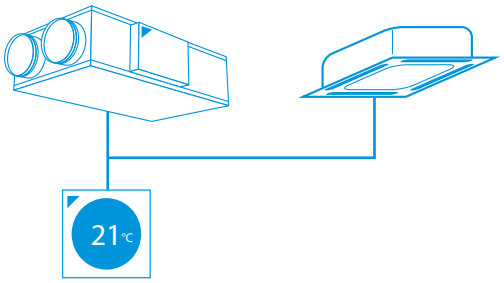
5 reasons why Daikin's ventilation range is unique in the market

1 Market leading controls & connectivity

› Interlock of ventilation and air conditioning system
  - Control ERV/HRV and air conditioning from the same controller
  - Aligns the operation mode between the systems to save energy

› Easy integration in the total solution
  - Online control and monitoring via the Daikin Cloud Service
  - Full portfolio integration in the intelligent Touch Manager, Daikin's cost-effective mini BMS

› User-friendly controller with premium design
  - Intuitive touch button control



Madoka

DESIGN AWARD 2018

reddot award 2018 winner

2 Unique installation benefits

› Integrates seamlessly in the Daikin total solution, ensuring a single point of contact
› Total fresh air solution with Daikin supplying the VAM/Modular L Smart, Modular Top (smart) and the electrical heater
› Daikin AHU and condensing unit connect Plug & Play thanks to same pipe diameters, factory mounted controls, expansion valves, etc.

3 High energy efficiency

› Energy recovery of up to 92%, reducing running costs
› Free nighttime cooling using fresh outside air
› Inverter driven centrifugal fans
› ErP compliant

Up to 92% energy recovery

4 Best comfort

› Wide range of units to control fresh air and humidity
› Wide range of optional filters to suit the application available up to ePM_1 80% (F9)
› Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

5 Top reliability

› Most extensive testing before new units leave the factory
› Widest support network and after sales service
› All spare parts available in Europe

ErP 2021 COMPLIANT

Did you know?

CO_2 levels and ventilation rates all have significant, independent impacts on cognitive function:

COGNITIVE FUNCTION SCORES …

+ 61% IN GREEN BUILDING CONDITIONS

+ 101% IN ENHANCED GREEN BUILDING CONDITIONS

Widest range of DX integrated ventilation on the market

Daikin offers a variety of solutions from small energy recovery ventilation to large-scale air handling units for the provision of fresh air ventilation to homes, or commercial premises.

Ventilation solutions

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:

› **Unique portfolio** within DX manufacturers
› High-quality solutions complying with the **highest Daikin quality standards**
› **Seamless integration** of all products to provide the best indoor climate
› All Daikin products connected to a single controller for **complete control** of the HVAC system.

Energy Recovery Ventilation

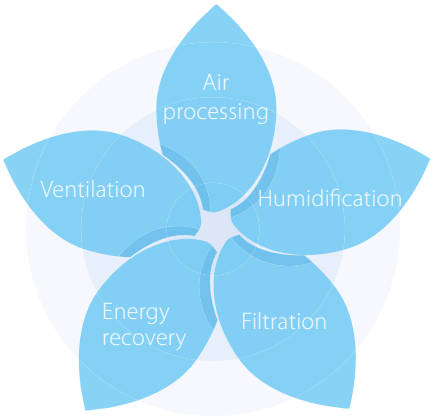
Our energy recovery units **recover sensible energy** (Modular L Pro / Modular L Smart / Modular Top / Modular Smart) or **total (sensible + latent) energy** (VAM/EKVDX/VKM-GBM), substantially reducing the load on the air conditioning system up to 40%.

Ventilation with DX connection - Control over fresh air temperature

Daikin offers a range of inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are 4 control possibilities when **combining AHU and Daikin outdoor units** hence offering all the required flexibility for any installation. Indoor units can be combined to the same outdoor unit to reduce the installation costs. For **false-ceiling installations** where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.

Indoor Environment Quality Components

› **Ventilation:** Ensures the provision of fresh and clean air
› **Energy recovery:** Delivers energy savings by transferring heat and moisture between airflows thus helping to bring supply air to the required indoor conditions for temperature and humidity
› **Air processing:** Delivers the required conditioned air to optimize the energy efficiency of indoor HVAC equipment
› **Humidification:** Ensures the desired moisture level in the conditioned space
› **Filtration:** Ensures clean and healthy air by filtering out pollen, dust, odors and other contaminants that are harmful to our health



150 | 500 | 1,000 | 2,000 | 2,500 | 3,000 | 3,500 | 4,000 | 15,000 | 25,000 | 140,000 [m³/h]

Decentralised systems

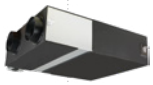
NEW

- Low power consumption and low Specific Fan Power
- Superior IAQ level: up to three stage filtration on supply side
- Plug&Play control solution, for a quick and easy start-up
- Starting from 550 mm width, for an air flow up to 1,100 m³/h
- DX coil integration for a unique Daikin fresh air package

D-AHU MODULAR T (SMART)

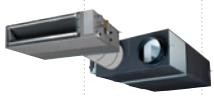
- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options
- Smart version connects Plug & Play to Sky Air / VRV systems

D-AHU MODULAR L (SMART)



- Compact size
- High energy efficient paper recovering sensible and latent heat
- EC fan motors
- Filter clogging alarm based on pressure

VAM-FC9 / VAM-J

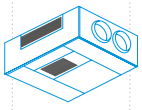


- DX coil for post-treatment of fresh air
- Split up concept increases application flexibility
- Integrates both in R-32 and R-410A VRV systems

VAM + DX COIL

- With DX coil for post-treated fresh air
- Increased comfort
- Humidifier option

VKM-GBM



- Does not require any ductwork
- Ceiling mounted installation
- Quick installation

NEW **PLUG&PLAY UNIT**

Centralised systems

- High efficiency aluminium plate heat exchanger
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

D-AHU MODULAR P

- Rotary heat exchanger (sorption and sensible technology)
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

D-AHU MODULAR R

- Fully customizable
- Plug & play
- 4 types of control
- With DX or water coil option

D-AHU Professional

Modular T Smart

Top connected Air Handling Unit

Highlights

- Duct connections are located at the top, reducing the unit's footprint
- Low power consumption and low SFP (Specific Fan Power) for a very efficient unit operation
- Superior IAQ level: up to three stage filtration on supply side (more than the 90% of PM1 is removed from outdoor air)
- Plug&Play control solution, for a quick and easy start-up
- Very compact unit, starting from 550 mm width, for an air flow up to 1,100 m³/h
- DX coil integration for a unique Daikin fresh air package available for connection to VRV or ERQ

ATB-S

IAQ matters

An excellent IAQ improves people's performance and well-being, and decreases risk factors for various diseases. Modular T satisfies the ventilation and filtration needs of the indoor environment, guaranteeing an outstanding level of IAQ.

The future of ventilation

The Modular T, with its unique features, represents the latest product developed by Daikin for fresh air treatment and not only. Thanks to its optimized design, it can be easily transported and installed into new projects or existing buildings.

More details and final information can be found by scanning or clicking the QR codes.

ATB

Technical details

MODULAR T Pro & Smart	Size (1)	03	04	05	06	07
Airflow	m³/h	800	1,650	2,300	2,700	3,900
HE Thermal efficiency (2)	%	89.3	88.3	85.1	85.5	90.8
External static pressure	Pa	100				
Current	A	1.70	3.39	4.61	5.17	7.87
Power input	kW	0.39	0.78	1.06	1.19	1.81
SFPv (2)	kW/m³/s	1.47	1.5	1.49	1.41	1.5
Electrical supply	Phase (ph)	1				
	Frequency (Hz)	50/60				
	Voltage (V)	220/240 Vac				
Main unit Dimensions	Width (mm)	550	790			890
	Height (3) (mm)	1,600		1,900	1,850	2,050
	Length (mm)	1,580	1,650	2,170 (4)	2,620 (5)	2,950 (5)
Circular duct flange	Diameter (mm)	255	315	355	400	500
Unit sound power level	dBA	57	52	55		58
Unit sound pressure level (6)	dBA	50	45	48		51
Weight unit	Kg	200	250	400	500	620

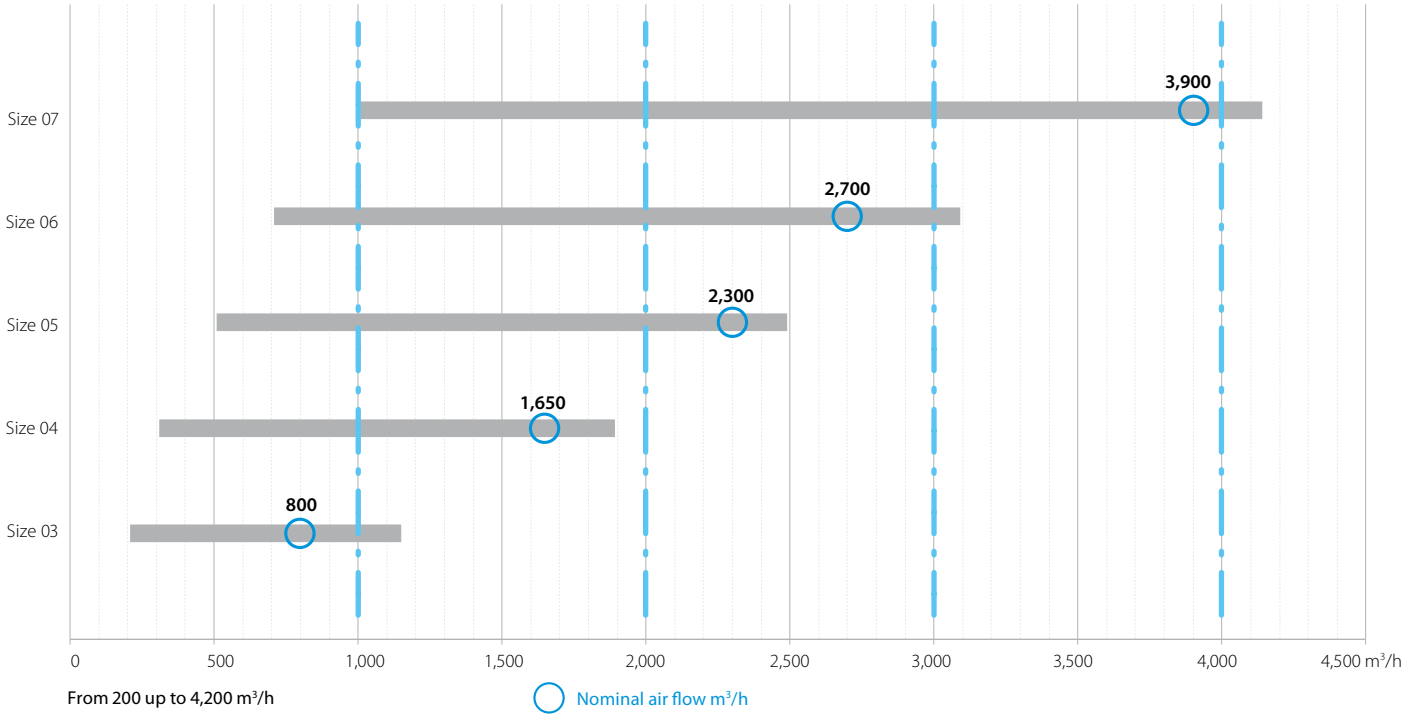
(1) All size available in Smart or Pro version and right or left handing | (2) Outdoor condition: -5°C, 90% Indoor condition: 25°C, 50% | (3) Including feet and duct connections | (4) Size 05 is provided in two sections | (5) Size 06 and 07 are provided in three sections | (6) Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB

Air flow range

Modular T is available in 5 sizes covering a wide range of applications such as hotels, offices, schools, gyms and light commercial buildings.

Sectioning

To ensure an easy and quick installation Modular T size 05 will be provided in two sections, while size 06 and 07 in three sections to pass smoothly through standard doors[1].



1. Please refer to technical data table at page 6 for more details

Modular L Smart

Premium efficiency heat recovery unit

Highlights

- Connects Plug&Play into the Sky Air and VRV control network
- Easy installation and commissioning
- Internal pre-filter stage (up to ePM_1 50% (F7) + ePM_1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,400m³/h
- Exceeding ErP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

EC centrifugal fan

- Maximum ESP available 600 Pa (depending on model sizes and airflow)
- Inverter driven with IE4 premium efficiency motor
- High-efficient blade profiling
- Reduced energy consumption
- Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

- Premium quality counter flow plate heat exchanger
- Up to 91% of the thermal energy recovered
- High grade aluminum allowing optimum corrosion protection

Right drain connection (ALB-RBS)

Left drain connection (ALB-LBS)

More details and final information can be found by scanning or clicking the QR codes.

ALB-LBS

ALB-RBS

Technical details

D-AHU Modular L Smart			ALB02*BS	ALB03*BS	ALB04*BS	ALB05*BS	ALB06*BS	ALB07*BS
Airflow		m³/h	300	600	1,200	1,600	2,300	3,000
Heat exchanger thermal efficiency (1)		%	86		87			86
External static pressure	Nom.	Pa	100					
Current	Nom.	A	0.61	1.35	2.26	2.83	4.39	6.22
Power input	Nom.	kW	0.14	0.31	0.52	0.65	1.01	1.43
SFPv (2)		kW/m³/s	1.25	1.52	1.3	1.35	1.35	1.51
Electrical supply	Phase	ph	1					
	Frequency	Hz	50/60					
	Voltage	V	220/240 Vac					
Main unit dimensions	Width	mm	920	1,100	1,600		2,000	
	Height	mm	280	350	415		500	
	Length	mm	1,660	1,800	2,000			
Rectangular duct flange	Width	mm	250	400	500		700	
	Height	mm	150	200	300		400	
Weight unit		kg	125	180	270	280	355	360

(1) Winter design condition: Outdoor: -5°C, 90% Indoor: 22°C, 50% | (2) SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

Electrical heater for Modular L Smart

- Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
- Increase comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy

More details and final information can be found by scanning or clicking the QR codes.

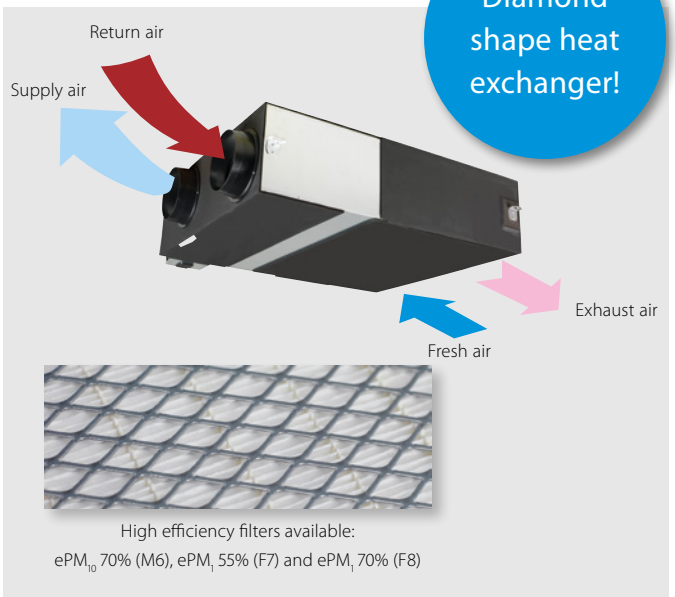
ALD-HEFB

Electrical heater for Modular L Smart (ALD)	02HEFB	03HEFB	05HEFB	07HEFB
Capacity kW	1.5	3	7.5	15
Connectable Modular L Smart size	02	03	04, 05	06, 07
Supply voltage	230V,1ph		400V,3ph	
Output current (maximum) (A)	6.6	13.1	10.9	21.7
Temperature sensor	15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C
Temperature control range	- 20 °C to 10 °C			
Control fuse	Mini Circuit Breaker 6 A			
LED indicators	Yellow = Airflow fault Red = Heat ON			
Mounting holes	Depends on duct size			
Maximum ambient adjacent to terminal box	30°C (during operation)			
Auto high temperature cutout	75°C Pre-set			
Manual reset high temperature cutout	120°C Pre-set			
Width (mm)	470	620	720	920
Depth (mm)	370	370	370	370
Height (mm)	193	243	343	443

Energy recovery ventilation

Ventilation with heat recovery as standard

- Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor (J-series)
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters
- VAM-J8 series are connectable to EKVDX DX coil for air processing
- Possibility of CO_2 concentration when combining VAM-J8 with optional BRYMA CO_2 sensor and Madoka remote controller (with or without EKVDX)



ErP 2021 COMPLIANT

More details and final information can be found by scanning or clicking the QR codes.

VAM-FC9 VAM-J8

Ventilation				VAM/VAM	150FC9	250FC9	350J8	500J8	650J8	800J8	1000J8	1500J8	2000J8
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.097/0.070/0.039	0.164/0.113/0.054	0.247/0.173/0.081	0.303/0.212/0.103	0.416/0.307/0.137	0.548/0.384/0.191	0.833/0.614/0.273
	Bypass mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.085/0.061/0.031	0.148/0.100/0.045	0.195/0.131/0.059	0.289/0.194/0.086	0.417/0.300/0.119	0.525/0.350/0.156	0.835/0.600/0.239
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	77.0(1)/72.0(2)/78.3(1)/72.3(2)/82.8(1)/73.2(2)	74.9(1)/69.5(2)/76.0(1)/70.0(2)/80.1(1)/72.0(2)	85.1/86.7/90.1	80.0/82.5/87.6	84.3/86.4/90.5	82.5/84.2/87.7	79.6/81.8/86.1	83.2/84.8/88.1	79.6/81.8/86.1
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	60.3(1)/61.9(1)/67.3(1)	60.3(1)/61.2(1)/64.5(1)	65.2/67.9/74.6	59.2/61.8/69.5	59.2/63.8/73.1	67.7/70.7/76.8	62.6/66.4/74.0	68.9/71.8/77.5	62.6/66.4/74.0
	Heating	Ultra high/High/Low		%	66.6(1)/67.9(1)/72.4(1)	66.6(1)/67.4(1)/70.7(1)	75.5/77.6/82.0	69.0/72.2/78.7	73.1/76.3/82.7	72.8/75.3/80.2	68.6/71.7/77.9	73.8/76.1/80.8	68.6/71.7/77.9
Operation mode					Heat exchange mode, bypass mode, fresh-up mode								
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange								
Heat exchange element					Specially processed non-flammable paper								
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x1,113x886		368x1,354x920	368x1,354x1,172		731x1,354x1,172	
Weight	Unit			kg	24.0		46.5		61.5	79.0		157	
Casing	Material				Galvanised steel plate								
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low	m^3/h	150/140/105	250/230/155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
		Bypass mode	Ultra high/High/Low	m^3/h	150/140/105	250/230/155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
	External static pressure - 50Hz	Ultra high/High/Low		Pa	90/87/40	70/63/25	90 (1)/70.0/50.0 (1)						
Air filter	Type				Multidirectional fibrous fleeces		Multidirectional fibrous fleeces (G3)						
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	27.0/26.0/20.5	28.0/26.0/21.0	34.5 (1)/32.0 (1)/29.0 (1)	37.5 (1)/35.0 (1)/30.5 (1)	39.0 (1)/36.0 (1)/31.0 (1)	39.0 (1)/36.0 (1)/30.5 (1)	42.0 (1)/38.5 (1)/32.5 (1)	42.0 (1)/39.0 (1)/33.5 (1)	45.0 (1)/41.5 (1)/36.0 (1)
	Bypass mode	Ultra high/High/Low		dBA	27.0/26.5/20.5	28.0/27.0/21.0	34.5 (1)/32.0 (1)/28.0 (1)	38.0 (1)/35.0 (1)/29.5 (1)	38.0 (1)/34.5 (1)/30.5 (1)	40.0 (1)/36.5 (1)/30.5 (1)	42.5 (1)/40.0 (1)/32.5 (1)	42.0 (1)/39.0 (1)/32.5 (1)	45.0 (1)/41.0 (1)/35.0 (1)
Operation range	Around unit			°CDB	-		0°C~40°CDB, 80% RH or less						
Connection duct diameter				mm	100	150	200		250			2x250	
Power supply	Phase/Frequency/Voltage			Hz/V	1~; 50/60; 220-240/220								
Current	Maximum fuse amps (MFA)			A	15.0		16.0						
Specific energy consumption (SEC)	Cold climate			kWh/(m^2.a)	-56.0 (5)	-60.5 (5)	-						
	Average climate			kWh/(m^2.a)	-22.1 (5)	-27.0 (5)	-						
	Warm climate			kWh/(m^2.a)	-0.100 (5)	-5.30 (5)	-						
SEC class					D / See note 5	B / See note 5	-						
Maximum flow rate at 100 Pa ESP	Flow rate			m^3/h	130	207	-						
	Electric power input			W	129	160	-						
Sound power level (Lwa)				dB	40	43	51	54	58		61	62	65
Annual electricity consumption				kWh/a	18.9 (5)	13.6 (5)	-						
Annual heating saved	Cold climate			kWh/a	41.0 (5)	40.6 (5)	-						
	Average climate			kWh/a	80.2 (5)	79.4 (5)	-						
	Warm climate			kWh/a	18.5 (5)	18.4 (5)	-						

(1)Measured according to JIS B 8628 | (2)Measured at reference flow rate according to EN13141-7 | (5) At reference flow rate in accordance with commission regulation (EU) No 1254/2014

Electrical heater for VAM

- Total solution for fresh air with Daikin supply of both VAM and electrical heaters
- Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Flexible setting with adjustable setpoint
- Increased safety with 2 cut-outs: manual & automatic

More details and final information can be found by scanning or clicking the QR codes.

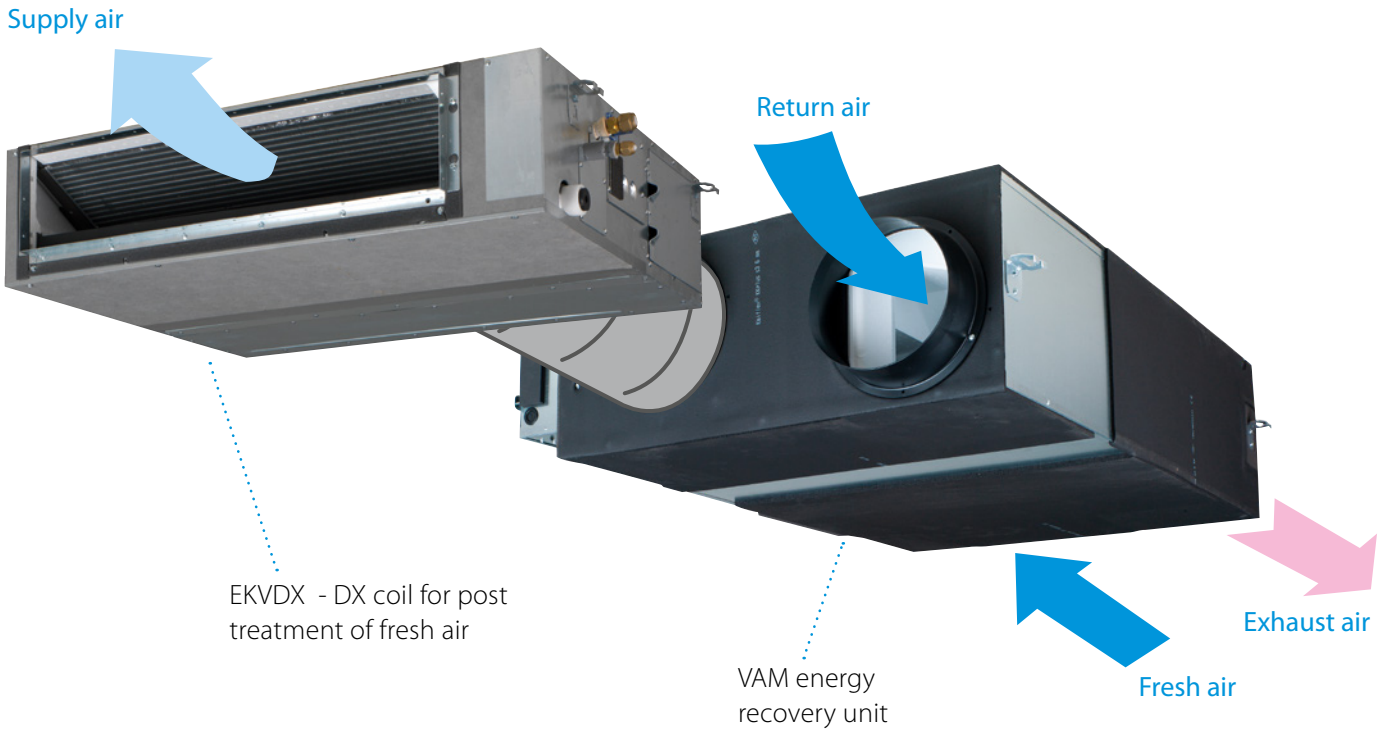
GSIEKA

		GSIEKA	10009	15018	20024	25030	35530[1]
Capacity		kW	0.9	1.8	2.4	3.0	3.0
Duct diameter		mm	100	150	200	250	355
Connectable VAM			VAM150FC9	VAM250FC9	VAM350,500J8	VAM650J8, VAM800J8, VAM1000J8	VAM1500J8, VAM2000J8

			GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA25030	GSIEKA35530
Dimensions	Height	mm	171	221	271	321	426
	Depth	mm	100	150	200	250	355
	Width	mm	370	370	370	370	373
Minimum air velocity / airflow		m/s	1.5				
		m^3/h	45	100	170	265	535
Power supply			1~230 VAC/50Hz				
Nominal current		A	4.1	8.2	10.9	13.1	13.1
Heating power		kW	0.9	1.8	2.4	3.0	3.0
Connection duct diameter		mm	100	150	200	250	355
Operation range	Min.	°C	-40°C				
	Max.	°C	40°C				
	Rel. Humidity	%	90%				
Temperature sensor			10 kΩ at +25°C / TJ-K10K				
Temperature sensor range			- 30°C to 105°C				
Temperature set point range			- 10°C to 50°C				
LED indicators	LED 1	flashing every 5 seconds	heater is starting up				
		flashing every second	air flow detected, heating allowed				
		OFF	no power supply or no flow				
		ON	problem with duct temperature sensor, set point potentiometer or PTC airflow sensor				
	LED 2	OFF	heater is not operation				
		ON	heater is operating				
Ambient temperature adjacent to controller			0°C to +50°C				
Auto high temperature cut-out			50°C				
Manual reset high temperature cut-out			100°C				

EKVDX-A

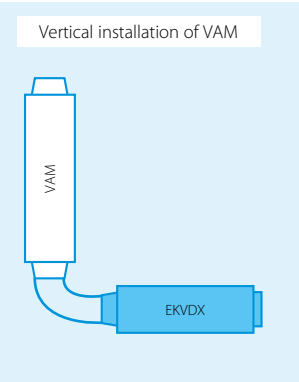
DX coil for post treatment of fresh air

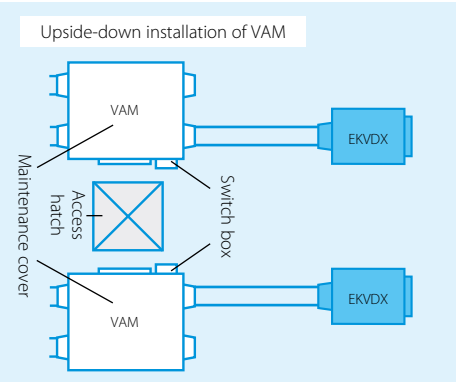


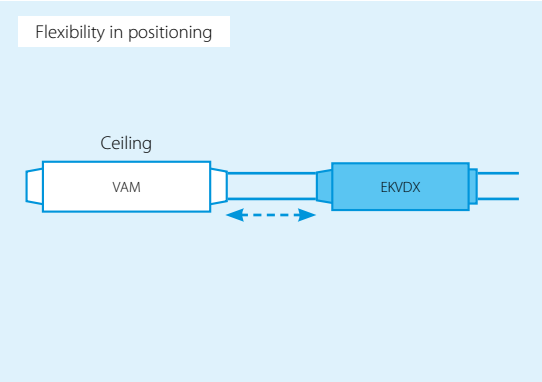
› Creates a high quality indoor environment by pre conditioning of incoming fresh air

› Maximum installation flexibility thanks to separate DX coil

• Different installation possibilities to suit the application







› Fresh air flows from 500 up to 2,000 m^3/h

› High ESP up to 150 Pa

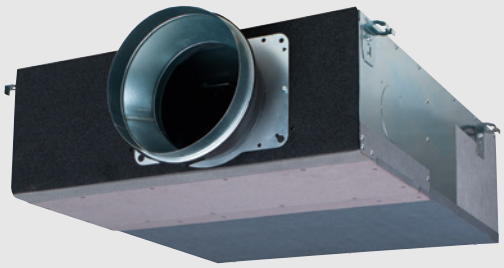
› Can be integrated in both R-32/R-410A VRV systems

› Replaces VKM-GB range, delivering increased capacity range and reduced sound levels

DX coil for air processing

Post heating or cooling of fresh air to lower the load on the air conditioning system

- Creates a high quality indoor environment by pre conditioning of incoming fresh air
- Maximum installation flexibility thanks to separate DX coil
- Wide range of units covering fresh air flows of 500 up to 2,000 m^3/h
- High ESP up to 150 Pa
- Can be integrated in both R-32/R-410A VRV systems



EKVDX50A

More details and final information can be found by scanning or clicking the QR codes.

EKVDX-A

					EKVDX32A	EKVDX50A	EKVDX80A	EKVDX100A
Power input - 50Hz	Cooling	Nom.		kW	0.035	0.035	0.035	0.035
	Heating	Nom.		kW	0.035	0.035	0.035	0.035
Casing	Material				Galvanised steel plate			
Insulation material					Opcell and anti-sweat material			
Dimensions	Unit	Height		mm	250			
		Width		mm	550	700	1,000	1,400
		Depth		mm	809			
Weight	Unit			kg	19	23.4	30.1	37.7
Operation range	Around unit			°CDB	10°C~40°CDB, 80% RH or less			
	On coil temperature	Cooling	Max.	°CDB	35			
		Heating	Min.	°CDB	11			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	12.7			
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm			
Refrigerant	Type				R410A/R32			
	GWP				2,087.5/675			
Heat exchange system					Direct expansion			
Power supply	Phase				single phase			
	Frequency			Hz	50/60			
	Voltage			V	220-240/220			

					EKVDX32A + VAM500J8	EKVDX50A + VAM650J8	EKVDX50A + VAM800J8	EKVDX80A + VAM1000J8	EKVDX100A + VAM1500J8	EKVDX100A + VAM2000J8
Cooling capacity	Total (VAM+DX coil)		At ultra high fan speed	kW	5.1	7.1	8.6	9.3	15.4	18.4
	DX coil		At ultra high fan speed	kW	3.4	4.8	5.5	5.7	9.5	11.2
			At high fan speed	kW	2.7	4.1	4.4	4.5	8.8	9.2
Heating capacity	Total (VAM+DX coil)		At ultra high fan speed	kW	6.7	8.5	11	11.9	18.7	22.9
	DX coil		At ultra high fan speed	kW	4.2	5.1	6.9	7	10.8	13
			At high fan speed	kW	3.6	4.6	5.8	6.3	9.6	11.7
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high	m^3/h	500	650	800	1,000	1,500	2,000
			High	m^3/h	425	550	680	850	1,275	1,700
		Bypass mode	Ultra high	m^3/h	500	650	800	1,000	1,500	2,000
			High	m^3/h	425	550	680	850	1,275	1,700
	External static pressure - 50Hz	Maximum		Pa	81.9	73.0	133.7	106.0	153.6	92.1
		Ultra high		Pa	51.9	43.0	23.7	26.0	43.6	12.1
		High		Pa	39.0	33.9	19.4	21.4	35.1	11.9
Sound pressure level - 50Hz	Cooling		Ultra high	dBA	32	34	35.5	40.5	38.5	43.5
			High	dBA	30.5	32	34	38	37	40
	Heating		Ultra high	dBA	32.5	34.5	36	40.5	39	44
			High	dBA	31.5	32	34	38.5	37	40.5
Current	Maximum fuse amps (MFA)			A	6	6	6	6	16	16

The heat reclaim ventilation unit and the EKVDX indoor unit MUST share the same electrical safety devices and power supply

Energy recovery ventilation, humidification and air processing

Post heating or cooling of fresh air for lower load on the air conditioning system

- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Creates a high quality indoor environment by pre conditioning of incoming fresh air
- Humidification of the fresh air results in comfortable indoor humidity level, even during heating
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Low energy consumption thanks to DC fan motor
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- Can operate in over- and under pressure

VKM80-100GBM

More details and final information can be found by scanning or clicking the QR codes.

VKM-GBM

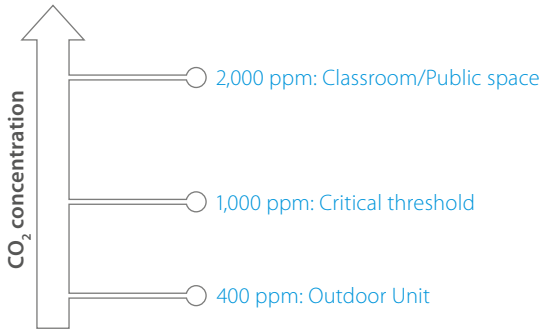
Ventilation				VKM-GBM	50GBM	80GBM	100GBM
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/0.170	0.330/0.280/0.192	0.410/0.365/0.230
	Bypass mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/0.170	0.330/0.280/0.192	0.410/0.365/0.230
Fresh air conditioning load	Cooling			kW	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0
	Heating			kW	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	76/76/77.5	78/78/79	74/74/76.5
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	64/64/67	66/66/68	62/62/66
	Heating	Ultra high/High/Low		%	67/67/69	71/71/73	65/65/69
Operation mode					Heat exchange mode / Bypass mode / Fresh-up mode		
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange		
Heat exchange element					Specially processed non-flammable paper		
Humidifier	System				Natural evaporating type		
Dimensions	Unit	HeightxWidthxDepth		mm	387x1,764x832	387x1,764x1,214	
Weight	Unit			kg	100	119	123
Casing	Material				Galvanised steel plate		
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820
	Bypass mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820
Fan-External static pressure - 50Hz	Ultra high/High/Low			Pa	200/150/120	205/155/105	110/70/60
Air filter	Type				Multidirectional fibrous fleeces		
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	38/36/34	40/37.5/35.5	40/38/35.5
	Bypass mode	Ultra high/High/Low		dBA	39/36/34.5	41/38/36	41/39/35.5
Operation range	Around unit			°CDB	0°C~40°CDB, 80% RH or less		
	Supply air			°CDB	-15°C~40°CDB, 80% RH or less		
	Return air			°CDB	0°C~40°CDB, 80% RH or less		
	On coil temperature	Cooling/Max./Heating/Min.		°CDB	-15/43		
Refrigerant	Control				Electronic expansion valve		
	Type				R-410A		
	GWP				2,087.5		
Connection duct diameter				mm	200	250	
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	12.7		
	Water supply			mm	6.35		
	Drain				PT3/4 external thread		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current	Maximum fuse amps (MFA)			A	15		

Plug & Play
Heat Recovery Ventilation Unit

Available from
Summer 2023

For Schools and light commercial applications with an immediate need for fresh air

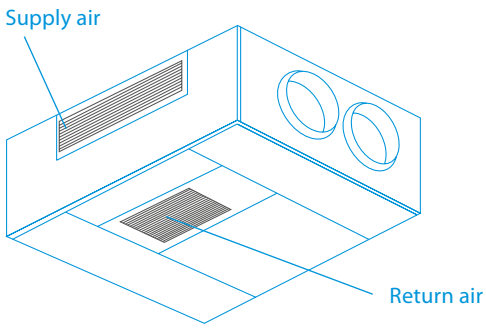
In a public space without ventilation the CO_2 concentrations will quickly rise above 2,000ppm, while a safe and comfortable treshhold is around 1,000ppm. Staying regularly in a space above this treshold leads to fatigue and lower concentration, and can result in long-term health consequences ranging from mild allergies to serious respiratory illnesses.



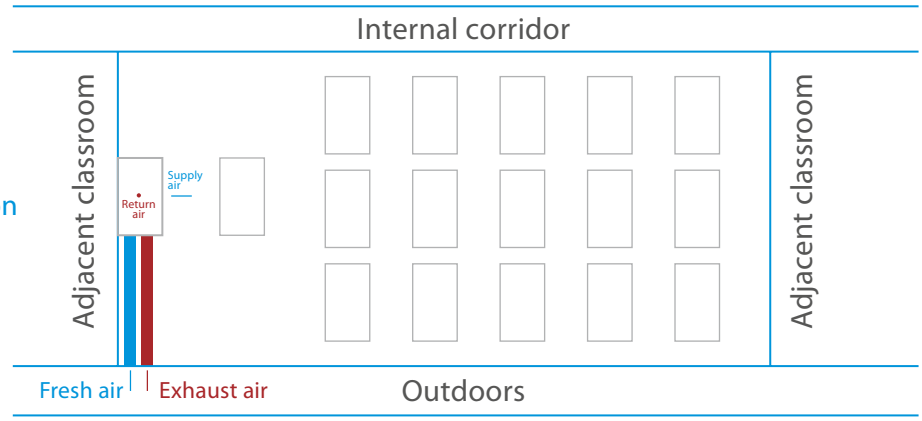
The Plug & Play Heat Recovery Ventliation Unit solves your fresh air needs without the need for renovation

- Quick installation gives your building fast access to fresh air
- Unit does not require any ductwork for supply or return air keeping interior works to a minimum
- Premium quality counter flow plate heat exchanger recovering indoor thermal energy
- Ceiling mounted installation
  - Does not require space on the floor
  - Unit is out of reach of persons or children
- Air flow range up to 930m³/h covering the typical need of a class room
- Double skin insulated panel for a maximum sound insulation
- Left and right version for maximum flexibility
- Free cooling allows to cool down the room at night
- Optional CO_2 sensor and electrical heater

Left connection unit



Typical layout with right connection



Daikin's
air handling units solutions

You will find your match

Why choose Daikin air handling units with a DX connection?

Simplifying business

The unique total solution approach by Daikin helps businesses to propose better cross-pillar solutions, to increase their success ratio by providing unmatchable product combinations to the end-user and to simplify the life of installers by supplying high-quality products coming from the same manufacturer. Contrary to other manufacturers, Daikin does not use OEM products in its AHU with DX offer. Many competitors are either offering OEM DX outdoor units or OEM AHU which create additional problems when warranties or faults arise. **Having a single interface for your business makes Daikin the right choice.**

One-stop shop

Daikin is the only global manufacturer in the market **capable of offering a true Plug & Play solution** where Daikin AHUs manufactured by Daikin Applied Europe and certified by Eurovent, offer off-the-shelf compatibility with Daikin's unique VRV outdoor unit range for the best performance in the market. This unique integration of cross-pillar products under the same umbrella, gives the customer both peace-of-mind and added value when promoting a total solution approach.

Complete range of possibilities

Thanks to the **most complete offer in the market**, Daikin has the solution for all types of commercial applications requiring fresh air. Daikin provides ventilation solutions based on AHU from 2,500 m^3/h up to 140,000 m^3/h either with natural heat recovery or more advanced ventilation solutions where a VRV outdoor unit can be connected to the Daikin AHU for ultimate climate control. The harmonized control, between the VRV outdoor unit and the AHU, offer outstanding reliable operation of the system when connected to an iTM.

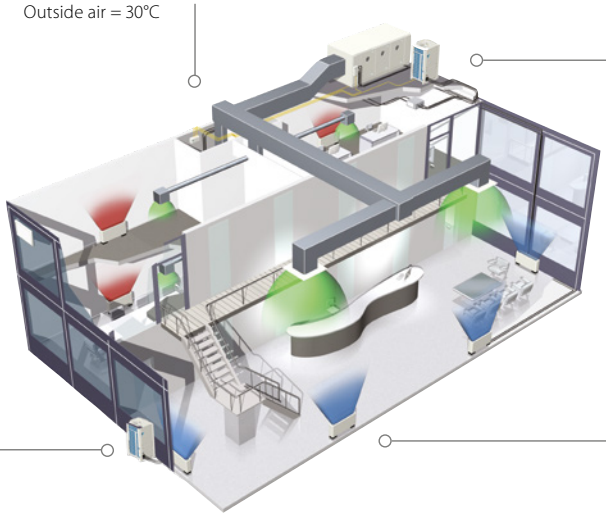
Advantages

- Unique manufacturer offering a complete range
- Plug & Play solution
- Direct iTM compatibility

Why use VRV and ERQ condensing units for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a high efficiency heat pump system lower the carbon footprint of the building.



Fast response to changing loads resulting in high comfort levels

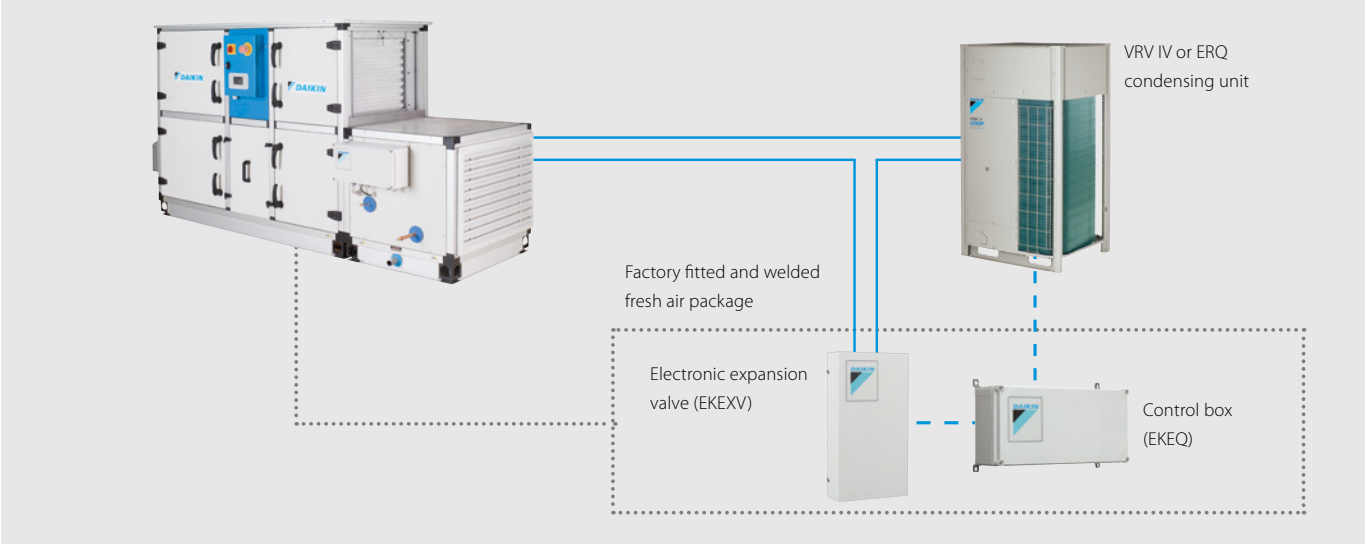
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.

Easy Design and Installation

The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc. are required. This also reduces both the total system investment and running cost.

Daikin Fresh air package

› Plug & Play connection between VRV/ERQ and the entire D-AHU modular range.
› Factory fitted and welded DX coil control and expansion valve kits.



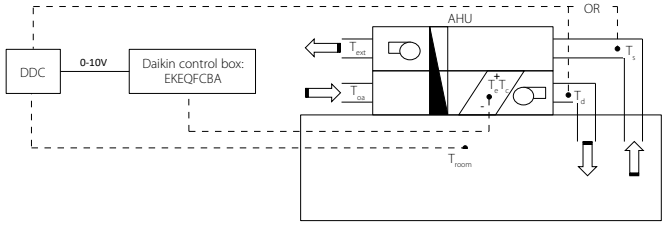
In order to maximise installation flexibility, 4 types of control systems are offered

W control: Off the shelf control of air temperature (discharge temperature, suction temperature, room temperature) via any DDC controller, easy to setup
X control: Precise control of air temperature (discharge temperature, suction temperature, room temperature) requiring a preprogrammed DDC controller (for special applications)

Z control: Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
Y control: Control of refrigerant (Te/Tc) temperature via Daikin control (no DDC controller needed)

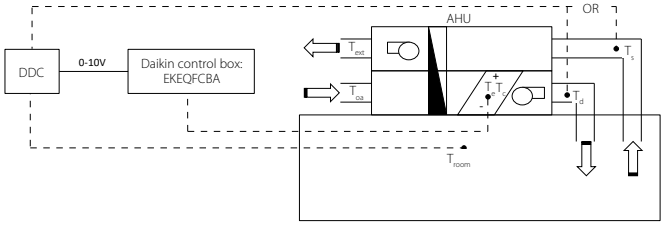
1. W control (T_d/T_s/T_{room} control):

Air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a proportional 0-10V signal which is transferred to the Daikin control box (EKEQFCBA). This voltage modulates the capacity requirements of the outdoor unit.



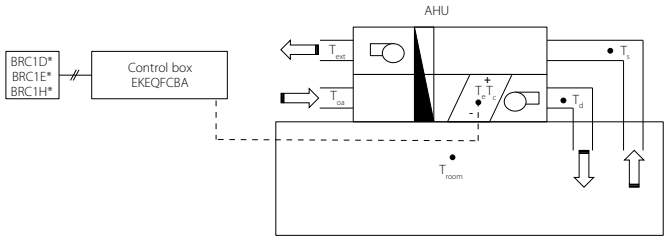
2. X control (T_d/T_s/T_{room} control):

Precise air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.



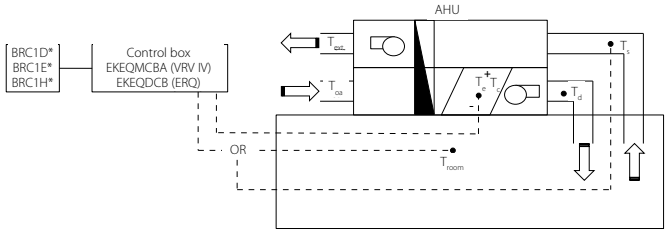
3. Y control (T_e/T_c control):

By fixed evaporating / condensing temperature
A fixed target evaporating or condensing temperature can be set by the customer. In this case, room temperature is only indirectly controlled. A Daikin wired remote control (BRC1* - optional) have to be connected for initial set-up but not required for operation.



4. Z control T_d / T_{room} control):

Control your AHU just like a VRV indoor unit (100% recirculation air application)
Allows the possibility to control the AHU just like a VRV indoor unit. Meaning temperature control will be focused on return air temperature from the room into the AHU. Requires BRC1* for operation. The only control that allows the combination of other indoor units to the AHU at the same time.



T_d = Discharge (supply) air temperature
T_s = Suction (return) air temperature
T_{oa} = Outdoor air temperature
T_{room} = Room air temperature
T_{ext} = Extraction air temperature
T_e = Evaporating temperature
T_c = Condensing temperature

	Option kit	Features
Possibility W	EKEQFCBA	Off-the-shelf DDC controller that requires no pre-configuration
Possibility X		Pre-configured DDC controller required
Possibility Y		Using fixed evaporating temperature, no set point can be set using remote control
Possibility Z	EKEQDCB EKFQMCBA*	Using Daikin infrared remote control BRC1* Temperature control using air suction temperature or room temperature (via remote sensor)

* EKEQMCB (for 'multi' application)

VRV IV+ in mix application with VRV indoor units and Modular R AHU

VRV - for larger capacities (from 8 to 54HP)

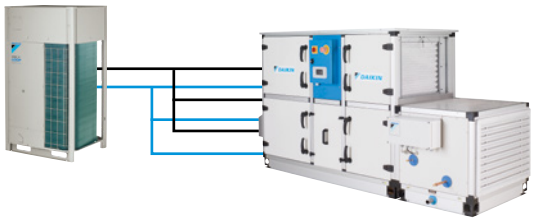
An advanced solution for both pair and multi application

› Inverter controlled units
› Heat pump
› Heat recovery only for mix application with indoor units without hydrobox. For 100% recirculation AHUs only used as a VRV indoor unit.
› R-410A
› Control of room temperature via Daikin control
› Large range of expansion valve kits available
› BRC1H* is used to set the set point temperature (connected to the EKEQMCBA).
› Connectable to all VRV heat recovery and heat pump systems (VRV H/R and VRV-i only connectable with Z control)

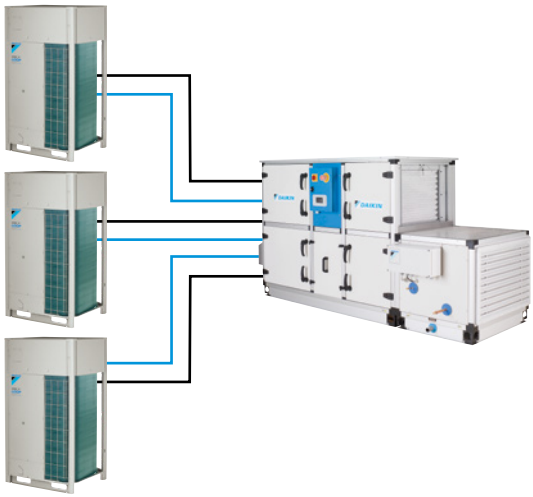
Pair application

One ERQ or VRV IV **heat pump** (system) connected to **one AHU** through **one** refrigerant **circuit**
› with W, X, Y and Z control
› not allowed for VRV H/R

One VRV IV **heat pump** (system) connected to the **interlaced coil** of one AHU through **several** refrigerant **circuits**
› with W, X and Y control
› not allowed for VRV H/R and VRV-i

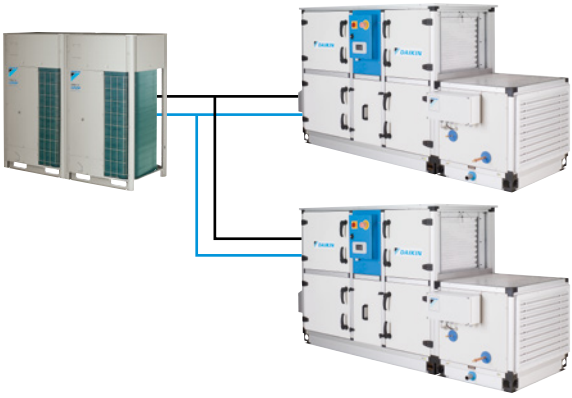


Several ERQ or VRV IV **heat pumps** connected to the **interlaced coil** of one AHU through **several** refrigerant **circuits**
› with W, X and Y control
› not allowed for VRV H/R and VRV-i



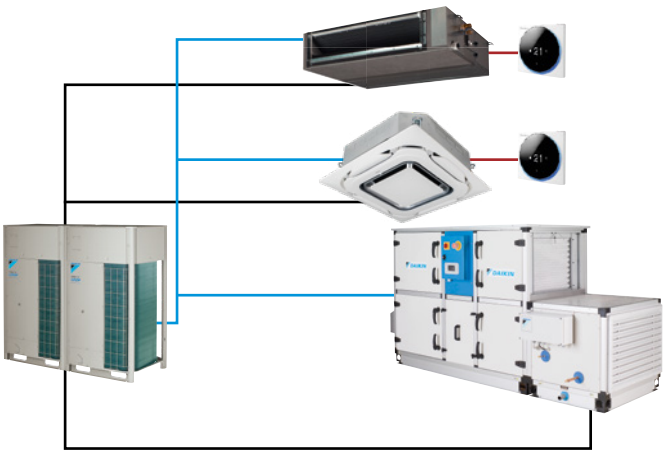
Multi application

One VRV IV **heat pump** connected to **several AHUs**
› with Z control
› not allowed for VRV H/R
› no interlaced coil possible



Mix application

VRV indoor units and AHU(s) mixed in the same VRV IV heat pump or heat recovery system
› with Z control
› no interlaced coil possible
› hydrobox not possible



Refrigerant piping
F1-F2
P1-P2

For more information on the limitations applying on all the above application types, please refer to the relevant databooks of EKEXV and EKEQ with guidelines and other information on the selection process.

ERQ - for smaller capacities (from 100 to 250 class)

A basic fresh air solution for pair application

› Inverter controlled units
› Heat pump
› R-410A
› Wide range of expansion valve kits available
› Perfect for the Daikin Modular air handling unit

The "Daikin Fresh Air Package" provides a complete Plug & Play Solution including AHU, ERQ or VRV Condensing Unit and all unit control (EKEQ, EKEX, DDC controller) factory mounted and configured. The easiest solution with only one point of contact.

ERQ-AW1

More details and final information can be found by scanning or clicking the QR codes.

ERQ-AV1 ERQ-AW1

Ventilation			ERQ	100AV1	125AV1	140AV1
Capacity range			HP	4	5	6
Cooling capacity	Nom.		kW	11.2	14.0	15.5
Heating capacity	Nom.		kW	12.5	16.0	18.0
Power input	Cooling	Nom.	kW	2.81	3.51	4.53
	Heating	Nom.	kW	2.74	3.86	4.57
EER				3.99		3.42
COP				4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320		
Weight	Unit		kg	120		
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	106		
	Heating	Nom.	m^3/min	102	105	
Sound power level	Cooling	Nom.	dBA	66	67	69
Sound pressure level	Cooling	Nom.	dBA	50	51	53
	Heating	Nom.	dBA	52	53	55
Operation range	Cooling	Min./Max.	°CDB	-5/46		
	Heating	Min./Max.	°CWB	-20/15.5		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	4.0		
			TCO_2eq	8.4		
	GWP			2,087.5		
	Control			Expansion valve (electronic type)		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Drain	OD	mm	26x3		
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)		A	32.0		

Ventilation			ERQ	125AW1	200AW1	250AW1
Capacity range			HP	5	8	10
Cooling capacity	Nom.		kW	14.0	22.4	28.0
Heating capacity	Nom.		kW	16.0	25.0	31.5
Power input	Cooling	Nom.	kW	3.52	5.22	7.42
	Heating	Nom.	kW	4.00	5.56	7.70
EER				3.98	4.29	3.77
COP				4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765	1,680x930x765	
Weight	Unit		kg	159	187	240
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	95	171	185
	Heating	Nom.	m^3/min	95	171	185
Sound power level	Nom.		dBA	72	78	
Sound pressure level	Nom.		dBA	54	57	58
Operation range	Cooling	Min./Max.	°CDB	-5/43		
	Heating	Min./Max.	°CWB	-20/15		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	6.2	7.7	8.4
			TCO_2eq	12.9	16.1	17.5
	GWP			2,087.5		
	Control			Electronic expansion valve		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)		A	16	25	

Integration of ERQ and VRV in third party air handling units

a wide range of expansion valve kits and control boxes

Combination table

		Control box			Expansion valve kit										Mixed connection with VRV indoor units
		EKEQDCB	EKEQFCBA	EKEQMCBA	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500	
		Z control	W,X,Y control	Z control	-	-	-	-	-	-	-	-	-	-	
1-phase	ERQ100	P (1)	P	-	-	P	P	P	P	-	-	-	-	-	Not possible
	ERQ125	P (1)	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ140	P (1)	P	-	-	-	P	P	P	P	-	-	-	-	
3-phase	ERQ125	P (1)	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ200	P (1)	P	-	-	-	-	P	P	P	P	P	-	-	
	ERQ250	P (1)	P	-	-	-	-	-	P	P	P	P	-	-	
VRV IV H/P (RYYQ, RXYQ, RXYSQ, RXYTQ, RXYLQ, RWEYQ)		-	P	P (1) / n2 (1)											Possible (not mandatory)
VRV IV i-series		-	-												
VRV IV H/R		-	-	n1											Mandatory (no hydrobox)

- P (pair application) - One or more outdoor units connected to an (interlaced) coil of one AHU. To determine exact configuration please refer to the engineering data book.
- n1 (only mix application) - Combination of (multiple) AHU(s) and VRV DX indoor(s) is mandatory. To determine the exact configuration please refer to the engineering data book.
- n2 (mix or multi application) - Combination of (multiple) AHU(s) with (mix application) or without (multi application) VRV DX indoor(s). To determine the exact configuration please refer to the engineering data book.
- Control box EKEQFA can be connected to some types of VRV IV outdoor units (with a maximum of 3 boxes per unit). Do not combine EKEQFA control boxes with VRV DX indoor units, RA indoor units or hydroboxes

(1) No interlaced coil possible with Z control

Capacity table

Cooling

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.0	5.6	6.2	1.33	1.65
63	6.3	7.1	7.8	1.66	2.08
80	7.9	9.0	9.9	2.09	2.64
100	10.0	11.2	12.3	2.65	3.30
125	12.4	14.0	15.4	3.31	4.12
140	15.5	16.0	17.6	4.13	4.62
200	17.7	22.4	24.6	4.63	6.60
250	24.7	28.0	30.8	6.61	8.25
400	35.4	45.0	49.5	9.26	13.2
500	49.6	56.0	61.6	13.2	16.5

Saturated evaporating temperature: 6°C
Air temperature: 27°C DB / 19°C WB

Heating

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.6	6.3	7.0	1.33	1.65
63	7.1	8.0	8.8	1.66	2.08
80	8.9	10.0	11.1	2.09	2.64
100	11.2	12.5	13.8	2.65	3.30
125	13.9	16.0	17.3	3.31	4.12
140	17.4	18.0	19.8	4.13	4.62
200	19.9	25.0	27.7	4.63	6.60
250	27.8	31.5	34.7	6.61	8.25
400	39.8	50.0	55.0	9.26	13.2
500	55.1	63.0	69.3	13.2	16.5

Saturated condensing temperature: 46°C
Air temperature: 20°C DB

EKEXV - Expansion valve kit for air handling applications

Ventilation			EKEXV	50	63	80	100	125	140	200	250	400	500
Dimensions	Unit		mm	401x215x78									
Weight	Unit		kg	2.9									
Sound pressure level	Nom.		dBA	45									
Operation range	On coil temperature	Heating Min.	°CDB	10 (1)									
		Cooling Max.	°CDB	35 (2)									
Refrigerant	Type / GWP			R-410A / 2,087.5									
Piping connections	Liquid	OD	mm	6.35	9.52							12.7	15.9

(1) The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information. (2) 45% Relative humidity.

EKEQ - Control box for air handling applications

Ventilation		EKEQ	FCBA	DCB	MCBA
Application			Pair	Pair	Pair/Multi/Mix
Outdoor unit			ERQ / VRV	ERQ	VRV
Dimensions	Unit	mm	132x400x200		
Weight	Unit	kg	3.9	3.6	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230		

The combination of EKEQFCBA and ERQ is in pair application. The EKEQFCBA can be connected to some type of VRV IV outdoor units with a maximum of 3 control boxes. The combination with DX indoor units, hydroboxes, RA outdoor units, ... is not allowed. Refer to the combination table drawing of the outdoor unit for details.

For more information refer to the **EKEXV** or **EKEQ** databooks

New generation of expansion valve kits and control boxes

Available from
Autumn
2023

Integrating third party Air Handling Units in the VRV 5 total solution (EKEXVA* / EKEA*)

VRV 5
BLUEVOLUTION

Refrigerant piping
F1-F2
P1-P2

- Unified EXV range connectable to both VRV 5 R-32 and VRV IV / ERQ R-410A units
- 3 new EXV capacities: 300, 350 and 450, allowing maximum flexibility
- Unified control box, offering all existing W,X,Y,Z controls + new advanced Z control
- Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
- Extension of operation range of EKEA: Outside installation possible down to -25°C
- Lower connection ratio limit for pair application

SHÎRUDO TECHNOLOGY

Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

› For areas where additional, extra high, filtration performance is needed.
› Airflow rate up to 2,000 m^3/h
› HEPA H14 filter in accordance with EN1822
› Pre-filter options up to ISO Coarse 70%
› Insulated double-wall construction provides whisper-quiet operation down to 35 dB(A)
› Easy installation, operation, and maintenance in a totally self-contained system
› For commercial areas up to 200m^2

Applications

Schools and Universities

Commercial Buildings

Healthcare

Hospitality

Shops and Shopping malls

Models

Model	BR00000554	BR00000749	BR00000676	BR00000751
Plug type	EU	UK	EU	UK
HEPA Filter (H14)	✓		✓	
LCD Screen			✓	
Activ. Carbon (Gas phase) pre-filter			✓	

Providing high-efficiency 2-stage filtration

Standard prefilter

All units are delivered with a prefilter, increasing filter life and protecting the installed HEPA filter

RedPleat - 4531002424
› Delivered with BR00000554/749
› ISO 16890: ISO coarse 70%
› Available with Antimicrobial treated media (RedPleat ULTRA)

RedPleat Carb - 4139002424
› Delivered with BR00000676/751
› ISO 16890: ISO coarse 65%
› Effectively removes offensive odors

Main filter

The HEPA filter features eFRM filtration media which combines ultra-high efficiency and particulate loading to remove 99.99% of dust, pollen, mold, bacteria, viruses, and any airborne particle with a size of 0.3 microns or greater.

AstroCel III - 1493299990

› H14 filtration efficiency according EN 1822
› V-shaped filter configuration, combined with microglass media, delivers higher flow and the lowest possible pressure drop vs traditional box style HEPA filters
› Compatible with Discrete Particle Counter (DPC) and photometric test methods as access and instrumentation allow

Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

- Airflow rate up to 2,000 m^3/h
- HEPA H14 filter in accordance with EN1822
- Optional touch sensitive LCD Display (BR00000676/751)
- Insulated double-wall construction provides whisper-quiet operation
- Activated carbon filter
- Sliding tray design provides easy access and servicing of filters
- Designed with internal variable fan speed (electronically commutated) to meet specific application requirements
- Suitable for in-room use or sheltered outdoor installation
- CE-compliance, VDI 6022 guided design

BR00000678/752

More details and final information can be found by scanning or clicking the QR codes.

BR00000554 BR00000676

Ventilation				BR00000554	BR00000749	BR00000676	BR00000751
Features	Plug type			EU	UK	EU	UK
	HEPA Filter (H14)			✓		✓	
	LCD Screen					✓	
	Activ. Carbon (Gas phase) pre-filter					✓	
Design air flow rate			m^3/h	2,000			
Application				Floor standing type			
Casing	Colour			Painted galvanized steel finish			
Dimensions	Unit	HxWxD	mm	1,628x720x770			
Weight	Unit		kg	150 (depending on version)			
Pre-filter	Dust collecting method			Prefilter RedPleat, ISO Coarse 70%		Prefilter RedPleat Carb, ISO Coarse 65% gas phase filter	
HEPA filter	Bacteria filtering method			Astrocel III HEPA H14			
Air purifying operation	Power input	High fan speed	kW	0.379			
Sound pressure level	Air purifying operation	High fan speed	dBA	55.9			
Fan Motor				Stepless adjustable			
Safety devices	Item			Safety switch (operation stops when the back door is open)			
Standard Accessories	Prefilter			1			
	HEPA filter			1			
	Quick Start and Maintenance Guide			1			
	Installation and Operation Manual			1 (download)			
Power cord			m	3			
Power supply	Phase			1~			
	Frequency		Hz	50/60			
	Voltage		V	230			
Running current	Air purifying operation	High fan speed	A	1.73			

Connect with Daikin

If you are a user or installer it is important you can **interact with our systems** in the easiest way, from **anywhere you are**. For any user our interfaces create **peace of mind** that their system is running in the best possible way.

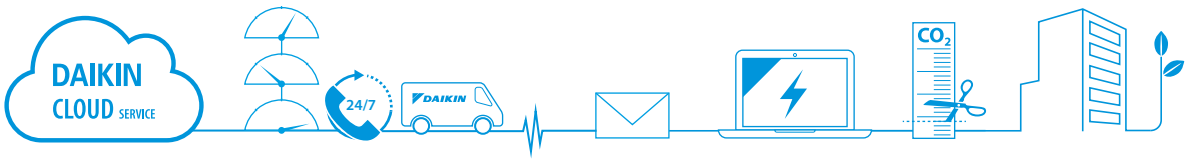
White Silver Black

Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

- For home owners it means **app and voice control** of their home comfort.
- For hotel owners it means easy and stylish **personal control for guests**, with an integration in hotel booking software for central control
- For technical managers it means **cloud access** to all sites, with the possibility to benchmark, optimize performance
- For installers it means **easy transfer of settings during commissioning**, remote retrieval of errors and preventive alerts to save time on maintenance or interventions

Our controls enable you to **connect with your customer**, save time, improve your comfort intelligently and reduce energy bills.

Remote monitoring



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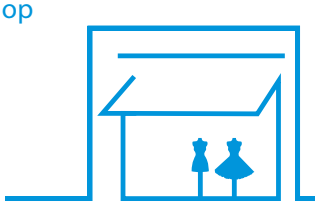
Control solutions summary

Daikin offers various control solution adapted to the requirements of even the most demanding commercial application.

› Basic control solutions for those customers with few requirements and limited budget
› Integrating control solutions for those customers that would like to integrate Daikin units into their existing BMS system
› Advanced control solutions for those customers that expect Daikin to deliver a mini BMS solution, including advance energy management

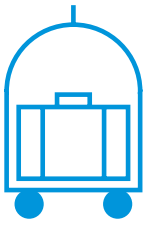
Shop



	Unit control			Integrating control			Advanced control	
	BRP069*	BRC1H52W/S/K	RTD-20	RTD-Net	KLIC DI V2	EKMBDXA	DCC601A51	DCM601B51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff	●	●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integration into smart home systems	● (7)							
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption	● (4)	● (4)					● (2)	●
Advanced energy management							● (2)	● (6)
Allows free cooling								●
Voice control	● (6)							
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) Only for BRP069C51, connection to Google Assistant and Amazon Alexa; (7) only for BRP069C51, contact your local sales representative for an overview of available services.

Hotel



	Unit control	Integrating control		Advanced control	
	BRC1H52W/S/K	RTD-HO	KLIC DI V2	DCM010A51	DCM601B51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

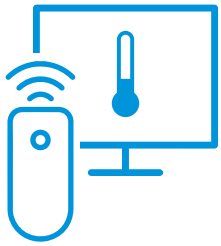
(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via BRP7A51 adapter (3) requires KNX compatible controller

Office

	Unit control	Integrating control			Advanced control	
			LonWorks Interface	BACnet Interface	intelligent Controller	intelligent Manager
	BRC1H52W/S/K	EKMBDXB	DMS504B51	DMS502A51	DCC601A51	DCM601B51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 out-doors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office staff	●				● (4)	● through Web Remote management
Limit control possibilities for office staff	●	●	●	●	●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP						●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	● (3)					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
PPD software to distribute used kWh/indoor unit				● (6)		● (7)
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) extension (DAM411B51) needed to have up to 256 indoor unit(s) (groups), 40 outdoors (3) Not available on all indoor units (4) Via Daikin cloud service (5) Through own IT set-up (not Daikin cloud sever) (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) via DAM412B51 option (7) via DCM002A51 option

Infrastructure cooling



	Unit	Integrating	Advanced
			intelligent Manager
	BRC1H52W/S/K	RTD-10	DCM601B51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●
Back-up operation	●	●	●
Duty rotation	●	●	●
Limit control possibilities in the technical cooling room	●	●	●
If room temperature above max., then show alarm & start standby unit.		●	●
If an error occurs, an alarm will be shown.	●	●	●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●	Via WAGO I/O

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Infrastructure cooling functions only compatible with indoor units connected to RZQG*/RZAG* outdoor units. (3) See option list of indoor unit

Onecta App

Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone.

onecta

NEW

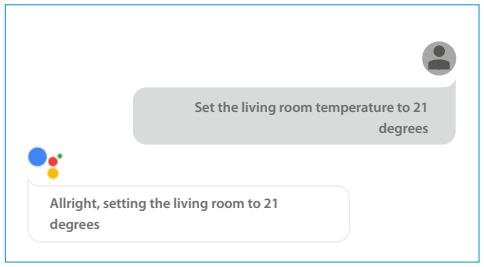
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

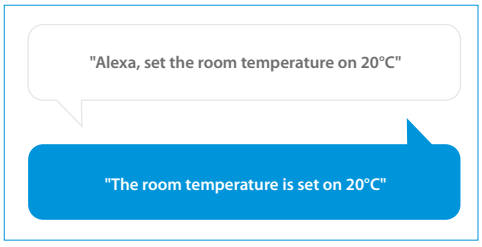
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

works with the Google Assistant

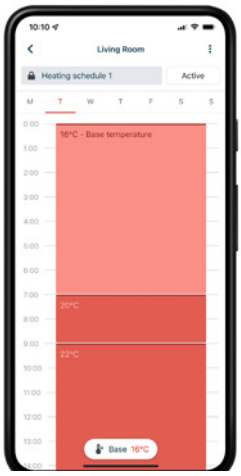
amazon alexa



Example of using the voice control via Google Assistant



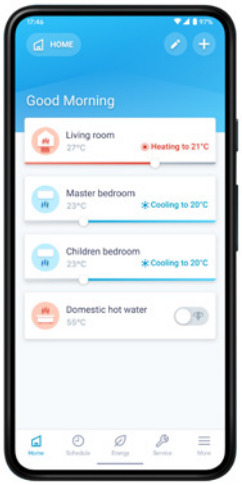
Example of using the voice control via Amazon Alexa



Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- ☑ Schedule room temperature and operation mode
- ☑ Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☑ Change room and domestic hot water temperature
- ☑ Turn on powerful mode to boost hot water production

Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☑ Check the status of the heating system
- ☑ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.
The app functionality is only available if both the Daikin system and the app have a reliable internet connection.

Available on the App Store | GET IT ON Google Play

Scan the QR code to download the app now

Onecta connectable units

BRP069C51 *

VRV 5 indoor units

- › FXFA-A
- › FXZA-A
- › FXDA-A
- › FXSA-A
- › FXAA-A
- › FXMA-A
- › FXHA-A
- › FXUA-A

* Must be combined with BRC1H52W/S/K

Madoka wired remote controller

Madoka

The beauty of simplicity.

Silver
RAL 9006 (metallic)
BRC1H52S

Black
RAL 9005 (matte)
BRC1H52K

White
RAL9003 (glossy)
BRC1H52W

User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- Three display options: standard, detailed and **new symbolic view**
- Three colours to match any interior
- Compact, measures only 85 x 85 mm
- Advanced settings **copy function** and commissioning via smartphone

NEW › CO_2 concentration visualisation

reddot award 2018
winner

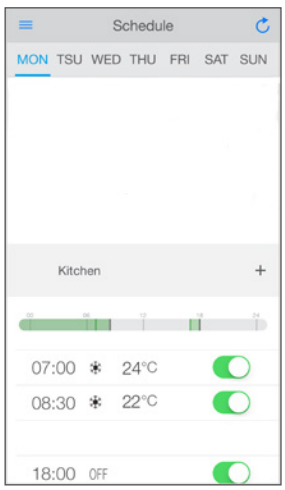
DESIGN AWARD 2018

Madoka Assistant

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.
- ☑ Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- ☑ Easy and quick commissioning
- ☑ Featuring Bluetooth® low energy technology

Easy setting of schedules

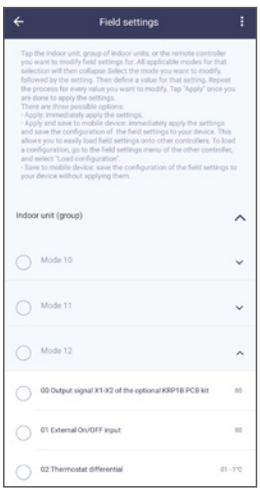


Advanced user settings

NEW

Bluetooth strength indication

Field settings



BRC1H52W / BRC1H52S / BRC1H52K

Madoka wired remote controller for Sky Air and VRV

BRC1H52W
Symbollic view

BRC1H52S
Standard view

BRC1H52K
CO_2 visualisation

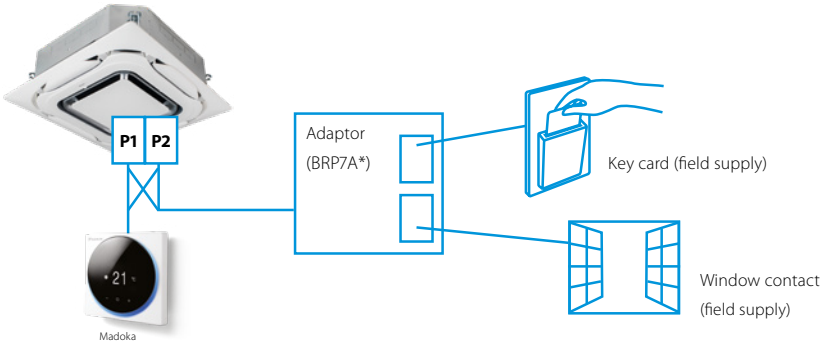
A complete redesigned controller focussed to enhance user experience

› Sleek and elegant design
› Intuitive touch-button control
› Three display options: standard, detailed and **new symbolic view**
› Direct access to basic functions
(on/off, set point, mode, target values, fan speed, louvres, filter icon & reset, error & code)
› Three colours to match any interior
› Compact, measures only 85 x 85 mm
› Real time clock with auto update to daylight saving time

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:
Save on energy by setting the low temperature limit in cooling mode and the high temperature limit in heating mode (1)
› Setback function
› Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat Cassettes)
› Automatic temperature reset
› Auto off timer

Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year.

Other functions

› NEW Three user access levels: Basic user, Advanced and Installer to match user requirements and prevent improper use.
› Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
› NEW Mark frequently used menu's as favourites for direct access
› Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season)
› Menu settings can be individually locked or restricted
› The outdoor unit can be set to quiet mode and power consumption limit control by schedule (3)
› Real-time clock that updates automatically for daylight saving

DUTY ROTATION

Cost-effective solution for infrastructure cooling applications

› Only in combination with RZAG* / RZQG*
› Duty rotation

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime. Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.

› Back-up operation: if one unit fails, the other unit will start automatically

(1) Also available in auto cooling/heating changeover mode
(2) For Sky Air FBA, FCAG and FCAHG pair combinations only
(3) Only available on RZAG*, RZASG*, RZQG*, RZQSG*

BRC1E53A

User friendly remote control for Sky Air and VRV

Graphical display of indicative electricity consumption (Function available in combination with FBA-A, FCAG and FCAHG)

A series of energy saving functions that can be individually selected

- Demand control (1)
- Temperature range limit
- Setback function
- Presence & floor sensor connection (available on round flow and fully flat cassette)
- kWh indication (2)
- Set temperature auto reset
- Off timer

Cost-effective solution for infrastructure cooling applications
> Only in combination with RZAG* / RZQG*

Other functions

- Up to 3 independent schedules
- Possibility to individually restrict menu functions
- Choice of display between symbol or text
- Real time clock with auto update to daylight saving time
- Built-in backup power for clock (up to 48 hours). Settings are always kept in case of power loss.
- Supports multiple languages: BRC1E53A: English, German, French, Dutch, Spanish, Italian, Portuguese

(1) Only available on RZAG*, RZASG*, RZQG*, RZQSG* I (2) For Sky Air FBA, FCAG and FCAHG pair combinations only

BRC1D52

Wired remote control for Sky Air and VRV

BRC1D52

- Schedule timer: Five day actions can be set
- Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- Immediate display of fault location and condition
- Reduction of maintenance time and costs

ARC4*/BRC4*/BRC7*

Infrared remote control

ARC466A1

BRC4*/BRC7*

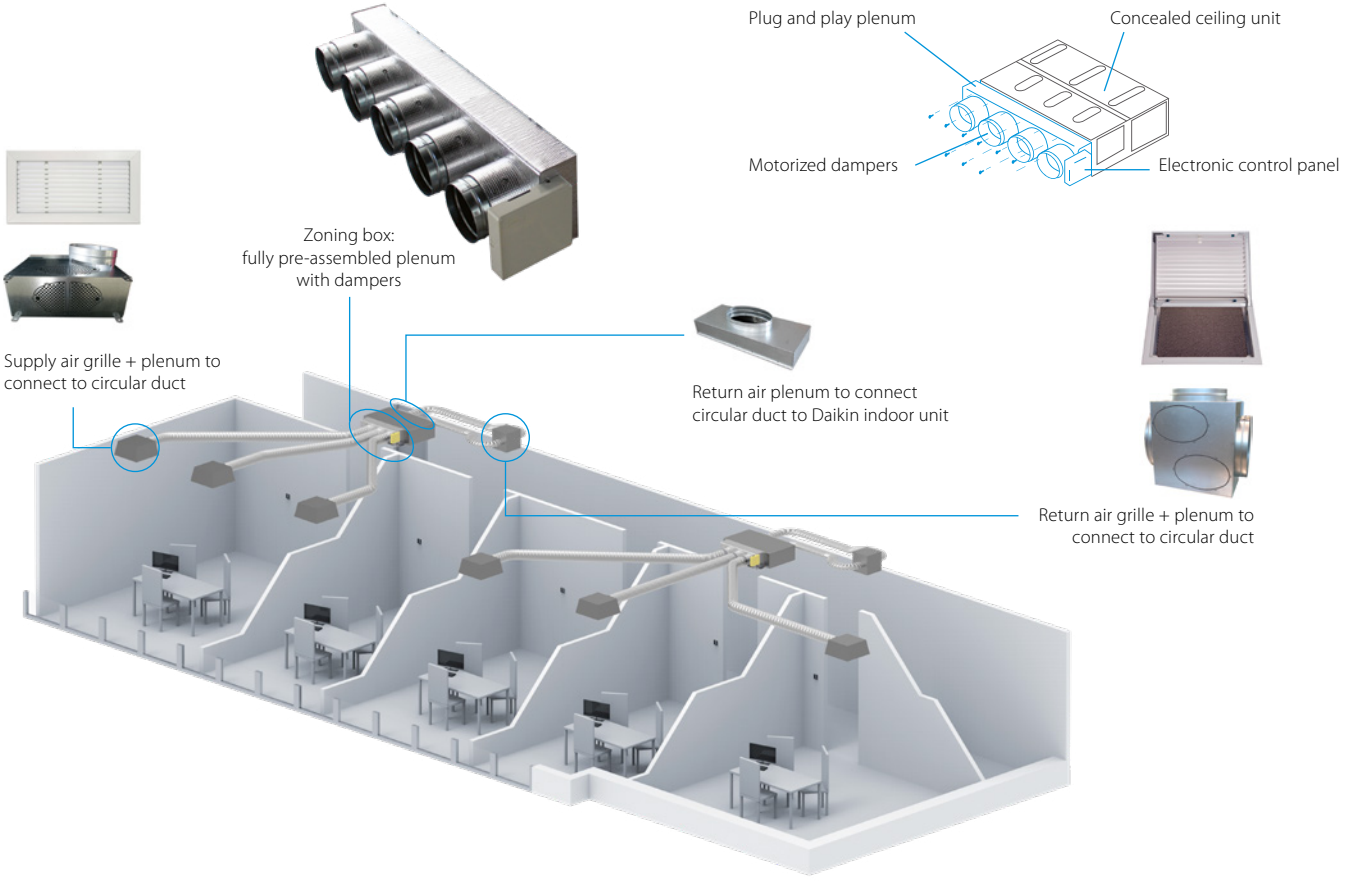
Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Multi-zone controller

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones connected to one indoor unit via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Easy selection via our NEW software!



Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	VRV IV+ FXSQ-A 15	20	25	32	40	50	63	80	100	125	140
Standard plenum	2	AZE(Z/R)6DAIST07XS2	300 x 930 x 454	200																						•	•	•	•						
		AZE(Z/R)6DAIST07S2							•	•																			•	•					
	3	AZE(Z/R)6DAIST07XS3																								•	•	•	•						
		AZE(Z/R)6DAIST07S3							•	•																			•	•					
	4	AZE(Z/R)6DAIST07S4	300 x 1,140 x 454						•	•																			•	•					
		AZE(Z/R)6DAIST07M4									•	•				•															•	•			
	5	AZE(Z/R)6DAIST07M5	300 x 1,425 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L5											•	•	•		•	•															•	•	
	6	AZE(Z/R)6DAIST07M6	300 x 1,638 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L6											•	•	•		•	•															•	•	
	7	AZE(Z/R)6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL7																																	•
	8	AZE(Z/R)6DAIST07L8											•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL8																																	•
Medium plenum	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIBS07S2							•	•																			•	•					
	3	AZEZ6DAIBS07XS3																								•	•	•	•						
		AZEZ6DAIBS07S3							•	•																			•	•					
		AZEZ6DAIBS07M3									•	•				•															•	•			
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																			•	•					
		AZEZ6DAIBS07M4									•	•				•															•	•			
		AZEZ6DAIBS07L4											•	•	•		•	•															•	•	
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																			•	•					
		AZEZ6DAIBS07M5									•	•				•															•	•			
		AZEZ6DAIBS07L5											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL5																																	•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•															•	•			
		AZEZ6DAIBS07L6											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL6																																	•
Slim plenum	2	AZE(Z/R)6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZE(Z/R)6DAISL01S3			•	•													•	•	•	•													
	4	AZE(Z/R)6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZE(Z/R)6DAISL01L5	210 x 1,140 x 444				•	•																	•										

(1) Z models are reversible; R models are heating only
(2) Medium Ceiling Void reversible units can be blocked to heating only via AZX6MCS module

Controls

3 controller versions are available to choose from: Colour, touch or simplified

AZCE6BLUEZEROCB (Wired)

Bluezero - main thermostat
› Intuitive graphical, colour touch screen for controlling multiple zones

AZCE6THINKRB (Wireless)

Think - zone thermostat
› Graphic touch button with low-energy e-ink screen for controlling single zones

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Lite - zone thermostat
› Simplified thermostat with touch buttons for temperature control

› Optional bus cable (2 x 0.5 mm² | 2 x 0.22 mm²), 15 m length: AZX6CABLEBUS15, 100m length: AZX6CABLEBUS100

AZX6WSPHUB

AZX6WSC5GER

Webserver for remote control
› Cloud based remote control of multizoning kit(s)
› Configuration and control of zones (temperature, operation mode, ...)
› Access via webportal, or Android/IOS application
› Supports Ethernet and WIFI
› AZX6WSPHUB:
  › For installation on DIN rail
  › 32 zoning boxes can be controlled
› AZX6WSC5GER:
  › For installation in the unit
  › Controls one zoning box

AZX6WSPBAC

AZX6KNXGTWAY

BACnet or KNX gateway
› Allows ON/OFF control of each zone
› Control of temperature for each zone
› Status indication of operation mode
› One gateway needed per system

Grilles and plenums

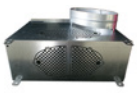
Supply air grilles and plenums

RDHV040015BKX

Wall type supply grille
› With horizontal and vertical adjustable flaps

RLQV040015BKX

Ceiling type supply grille
› With horizontal flaps angled at 15°
› Vertical flaps can be adjusted manually


PREJ0400150T

Plenum for supply grille
› To connect circular ducts to discharge grille
› Insulated, galvanised steel
› Diameter 250mm

Return air grilles and plenums

RRFR050050BTX

Return air grille with integrated filter
› Filters particles from the air

BR500

Plenum for return grille
› To connect 1 up to 4 circular ducts to the return air grille
› Diameter 250mm

AZCEZDAPR07*

Plenum for return air
› To connect 1 up to 4 circular ducts to the Daikin concealed ceiling units
› Diameter 250mm
› Different sizes (XS, S, M, L, XL) to fit the indoor unit

DCC601A51

intelligent Tablet Controller

Advanced centralised controller with Cloud connection

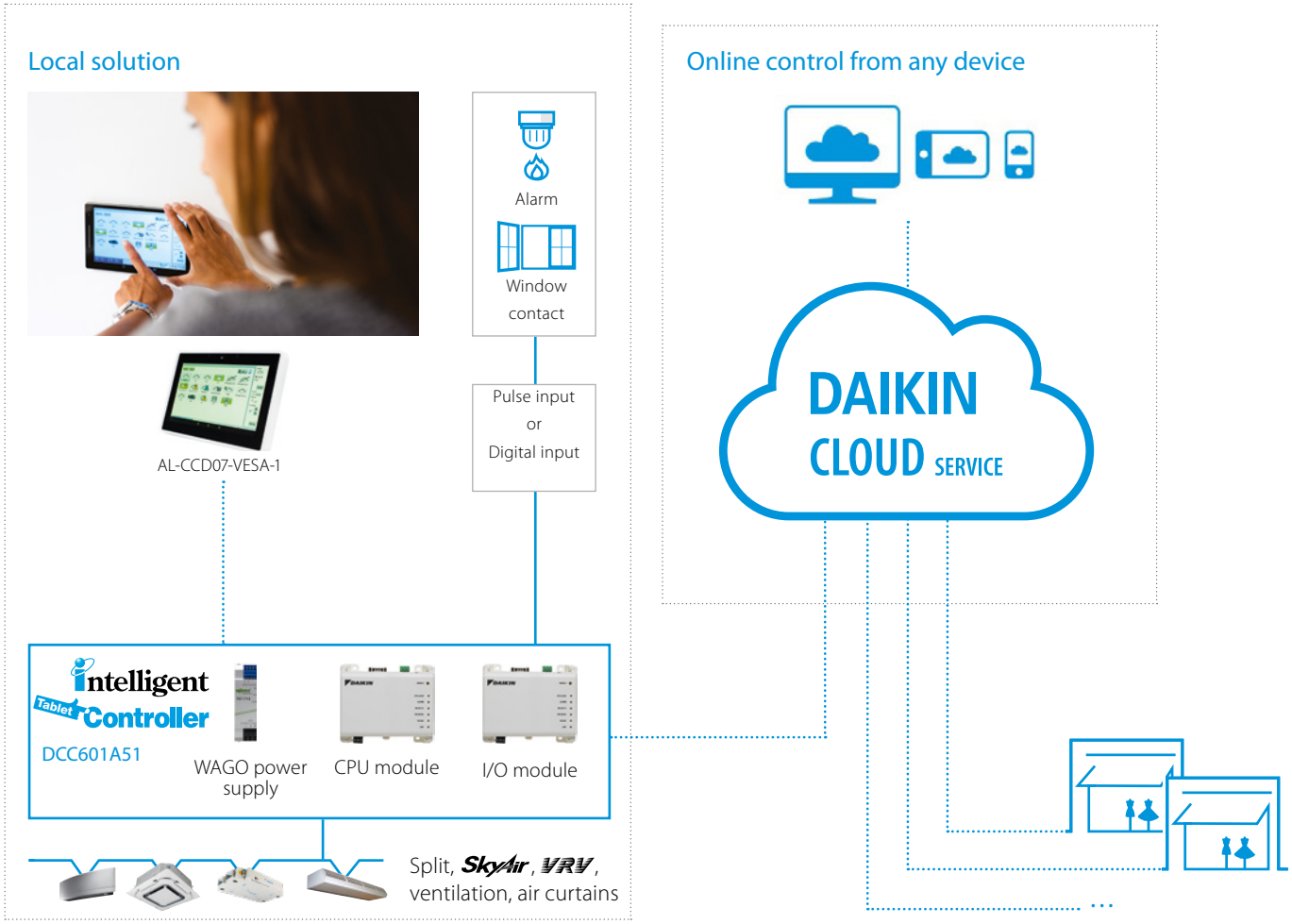
- Intuitive and user-friendly interface
- Flexible concept for stand alone and multi site applications
- Total solution thanks to integration of 3rd party equipment
- Monitor & control your small commercial building, no matter where you are

2 solutions:

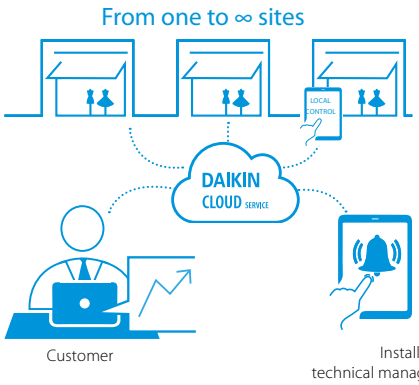
Local solution
› Offline centralised control
› Stylish optional screen fits any interior

Cloud solution
› Flexible online control from any device (Laptop, tablet...)
› Monitor & control one or multiple sites
› Benchmark the energy consumption of different installations (1)
› Energy consumption follow-up to comply with local regulations

System layout



(1) For VRV and Sky Air R-32 ranges the consumption data is integrated; for other (HVAC) systems, field supplied kWh meters will be required

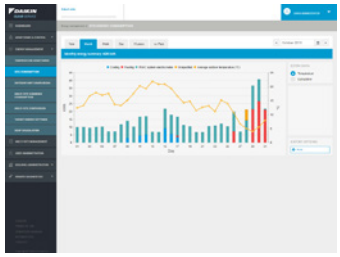


Total solution

› Total solution thanks to a large integration of Daikin products and 3rd party equipment
› Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
› Simply control your entire building centrally
› Increased customer shopping experience by better management of your shop comfort level

Daikin Cloud Services

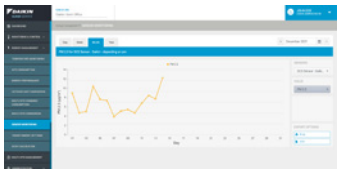
› Control your building no matter where you are
› Monitor and control multiple sites
› Installer or technical manager can remotely login to the cloud for first trouble-shooting
› Benchmark the energy consumption of different installations (1)
› Manage & track your energy use



Energy management and consumption follow up

User friendly touch control

› Stylish Daikin supplied optional screen for local control fits any interior
› Intuitive and user-friendly interface
› Full solution with simple control
› Easy commissioning

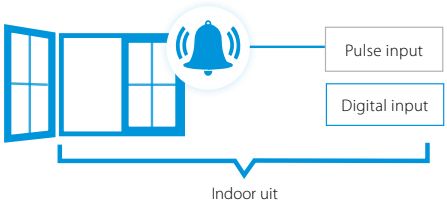


NEW
IAQ Visualisation (Indoor Air Quality monitoring)

Flexible

› Pulse/digital inputs for 3rd party equipment such as kWh meters, emergency input, window contact, …
› Modular concept allows your cloud to grow with your business
› Control up to 32 indoor units per controller and 320 units per site
NEW › Integrates the supervisor alarm for R-32 VRV 5 systems

(1) only available in combination with certain indoor units



Functions overview

		Local solution	Cloud solution
Languages		Depends on local device	EN, DE, FR, NL, ES, IT, EL, PT, RU, TR, DA, SV, NO, FI, CS, HR, HU, PL, RO, SL, BG, SK
System layout	N° of connectable indoor units	32	32
	Multiple sites control		●
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature, …)	●	●
	Remote control prohibition	●	●
	All devices ON/OFF	●	●
	Zone control		●
	Group control	●	●
	Weekly schedule	●	●
	Yearly schedule		●
	Interlock control	●	●
	Set point limitation		●
	Visualisation of energy use per operation mode		●
Connectable to	DX split, Sky Air, VRV	●	●
	Modular L Smart, VAM, VKM ventilation	●	●
	Air curtains	●	●

For available Daikin Cloud Service options refer to the option list

intelligent touch Manager

Mini BMS

with full integration across all product pillars

DCM601B51

intelligent touch Manager

- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment

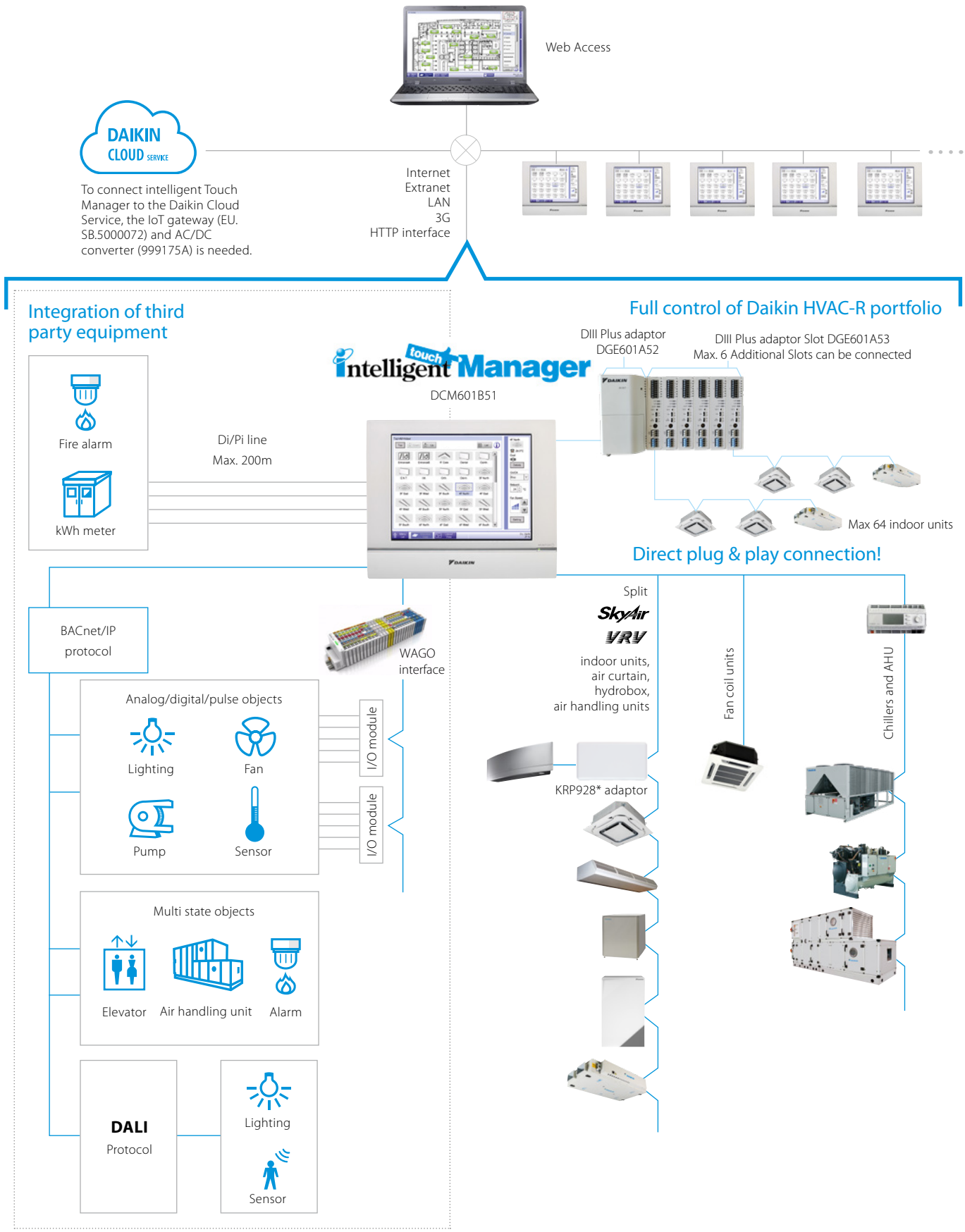
Download the WAGO selection tool from my.daikin.eu

› Easy selection of WAGO materials
› Material list creation
› Time saving
  - Includes wiring schemes
  - Contains commissioning/preset data for iTM

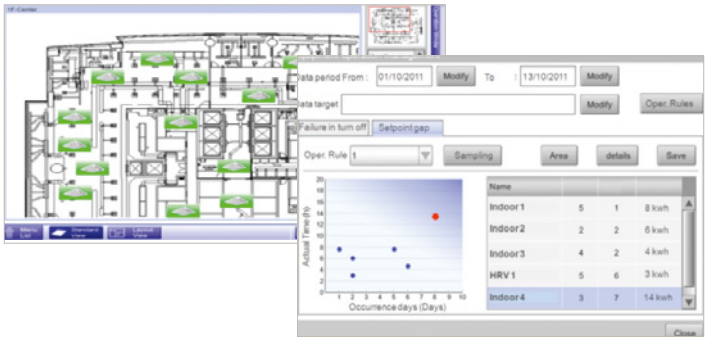
Check on YouTube

https://www.youtube.com/DaikinEurope

System overview



touch intelligent Manager



User friendliness

› Intuitive user interface
› Visual lay out view and direct access to indoor unit main functions
› All functions direct accessible via touch screen or via web interface
› Simplified electrical wiring, only one power supply & one connection wiring required

Smart energy management

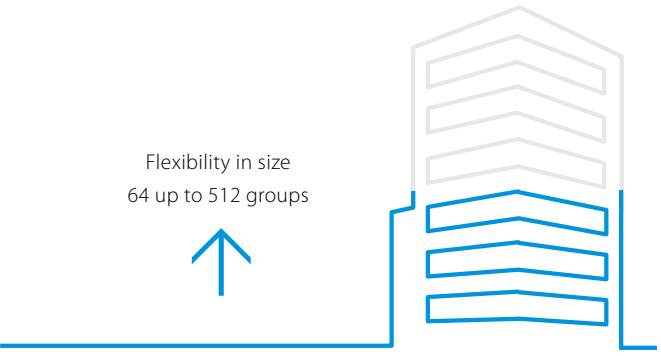
› Monitoring if energy use is according to plan
› Helps to detect origins of energy waste
› Powerful schedules guarantee correct operation throughout the year
› Save energy by interlocking A/C operation with other equipment such as heating
› Peak Power Cut off Control: Activating this feature in schedule function allows users to operate the outdoor unit in 4 settings i.e. 100%,70%, 40% and 0%

Flexibility

› Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
› BACnet protocol for 3rd party products integration
› I/O for integration of equipment such as lights, pumps… on WAGO modules
› Modular concept for small to large applications
› Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

Easy servicing and commissioning

› Remote refrigerant containment check reducing on site visit
› Simplified troubleshooting
› Save time on commissioning thanks to the pre-commissioning tool
› Auto registration of indoor units



Plug & play

Split

SkyAir

VRV

Fan coils

Chillers and AHU

HRV ventilation

BACnet/IP protocol

DALI Protocol

Lighting
Sensor

Lighting
Air handling unit
Pump
Elevator
Fan
Alarm
Sensor

WAGO I/O

Lighting
Fan
Pump
Sensor

Functions overview

Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

Management
- Web access via html 5
- Power Proportional Distribution (option)
- Operational history (malfunctions, …)
- Smart energy management
  - monitor if energy use is according to plan
  - detect origins of energy waste
- Setback function
- Sliding temperature

WAGO Interface
- Modular integration of 3rd party equipment
- Large variety of input and outputs available. For more details refer to the options list

Open http interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

System layout
- Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

Control
- Individual control (512 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit
- Schedule function to activate quiet operation mode on outdoor unit

DALI integration
- Control and monitor the lights
- Easier facility management: receive error signal when light or light controller has a malfunction
- Flexible approach and less wiring needed, compared to classic light scheme
- Easier to make groups and control scenes
- Connection between intelligent Touch Manager and DALI through WAGO BACnet / IP interface

Connectable to
- DX Split, Sky Air, VRV
- HRV
- Chillers (via MT3-EKCMBACIP controller)
- Daikin AHU (via MT3-EKCMBACIP controller)
- Fan coils
- LT and HT hydroboxes
- Biddle Air curtains
- WAGO I/O
- BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)

Centralised remote controller

Centralised control of the Sky Air and VRV system can be achieved via 2 user friendly compact remote controllers. These controls may be used independently or in combination with:
1 group = several (up to 16) indoor units in combination
1 zone = several groups in combination.
A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).

DCS302C51

Centralised remote control

Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- group control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)
- air flow direction and air flow rate of HRV can be controlled
- expanded timer function

DCS301B51

Unified ON/OFF control

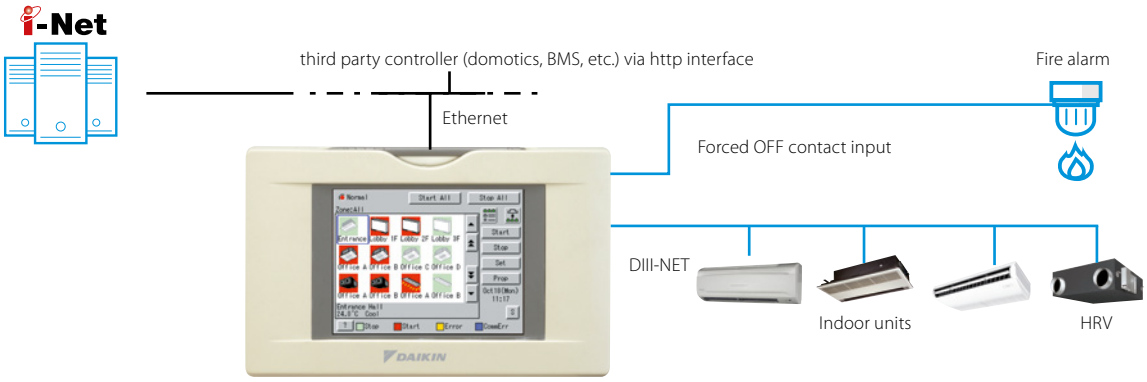
Providing simultaneous and individual control of 16 groups of indoor units.

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

DCS601C51

intelligent touch Controller

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout
- Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

Control
- Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- Set back shedule
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation

Monitoring
- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Indication filter replacement

Cost performance
- Free cooling function
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Open interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

Connectable to
- VRV
- HRV
- Sky Air
- Split (via interface adapter)

RTD

Modbus Interface

RTD-RA

› Modbus interface for monitoring and control of residential indoor units

RTD-NET

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
- Modbus
- Voltage (0-10V)
- Resistance

› Duty/standby function for server rooms

RTD-20

› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on running costs via
- pre/post and trade mode
- set point limitation
- overall shut down
- PIR sensor for adaptive deadband

RTD-HO

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

RTD-W

› Modbus interface for monitoring and control of Daikin Altherma Flex Type, VRV HT hydrobox and small inverter chiller

DCOM-LT/MB

› Modbus interface of Daikin Altherma air-to-water heat pumps, hybrid heat pumps and ground source heat pumps

DCOM/LT-IO

› Voltage & resistance control in addition to Modbus

Overview functions

Main functions			RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
Dimensions	H x W x D	mm	80 x 80 x 37.5	100 x100 x 22			
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
0 - 10 V control					✓	✓	
Resistance control					✓	✓	
IT application			✓		✓		
Heating interlock					✓	✓	
Output signal (on/defrost, error)					✓	✓****	✓
Retail application						✓	
Partitioned room control						✓	
Air curtain				✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
Fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				

Monitoring functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
Fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
N° of units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average/Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M

Main functions			RTD-W
Dimensions	H x W x D	mm	100x100x22
On/off prohibition			✓
Modbus RS485			✓
Dry contact control			✓
Output signal (operation error)			✓
Space heating / cooling operation			✓
Domestic hot water control			✓
Smart Grid control			

Control functions	RTD-W
On/Off Space heating/cooling	M,C
Set point leaving water temperature (heating / cooling)	M,V
Room temperature setpoint	M
Operation mode	M
Domestic Hot water ON	
Domestic Hot Water reheat	M,C
Domestic Hot Water reheat setpoint	
Domestic Hot Water storage	M
Domestic Hot Water Booster setpoint	
Quiet mode	M,C
Weather dependent setpoint enable	M
Weather dependent curve shift	M
Fault/pump info relay choice	
Control source prohibition	M

Smart grid mode control	
Prohibit Space heating/cooling	
Prohibit DHW	
Prohibit Electric heaters	
Prohibit All operation	
PV available for storage	
Powerful boost	

Monitoring functions	
• On/Off Space heating/cooling	• M,C
• Set point leaving water temperature (H/C)	• M
• Room temperature setpoint	• M
• Operation mode	• M
• Domestic Hot Water reheat	• M
• Domestic Hot Water storage	• M
• Number of units in the group	• M
• Average leaving water temperature	• M
• Remocon room temperature	• M
• Fault	• M,C
• Fault code	• M
• Circulation pump operation	• M
• Flow rate	
• Solar pump operation	
• Compressor status	• M
• Desinfection operation	• M
• Setback operation	• M
• Defrost/ start up	• M
• Hot start	
• Booster Heater operation	
• 3-Way valve status	
• Pump running hours accumulated	• M
• Compressor running hours accumulated	
• Actual leaving water temperature	• M
• Actual return water temperature	• M
• Actual DHW tank temperature (*)	• M
• Actual refrigerant temperature	
• Actual outdoor temperature	• M

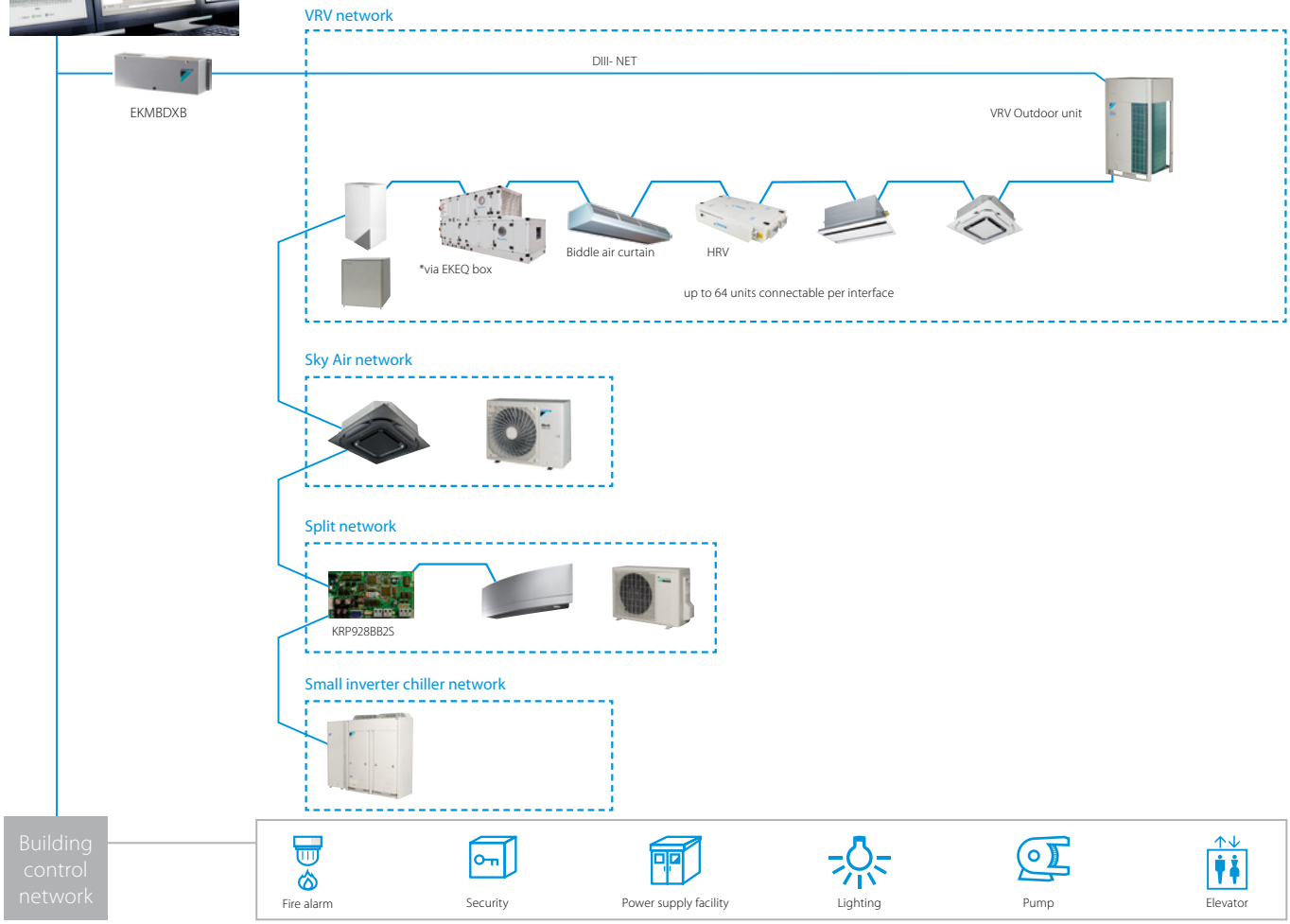
M : Modbus / R: Resistance / V: Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

EKMBDXB

DIII-net Modbus interface

Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

› Communication via Modbus RS485 protocol
› Detailed monitoring and control of the VRV total solution
› Easy and fast installation via DIII-net protocol
› As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor units systems).



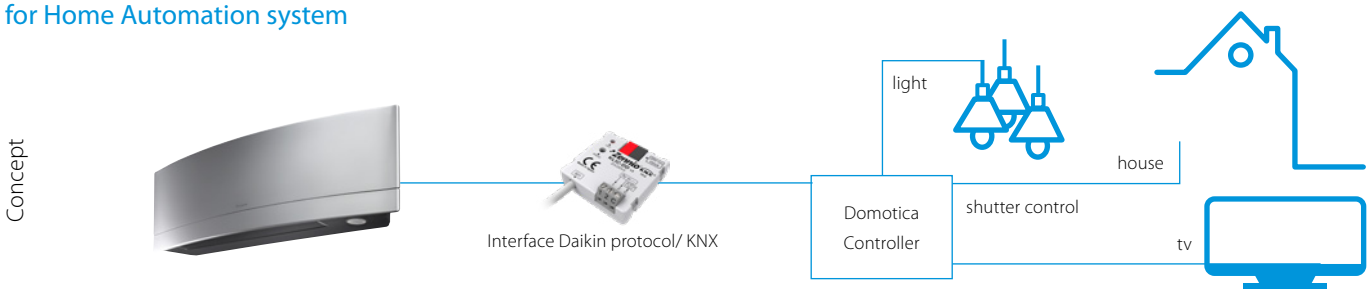
			EKMBDXB7V1
Maximum number of connectable indoor units			64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9,600 bps or 19,200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

KLIC-DDV3
KLIC-DI_V2

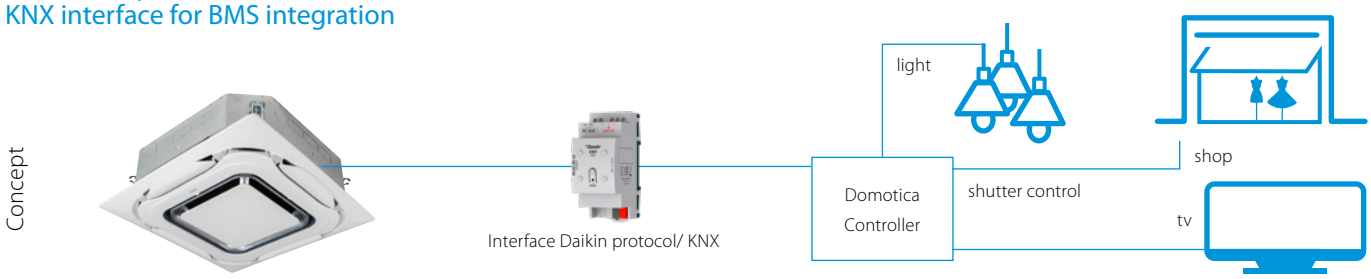
KNX interface

Integration of Split, Sky Air and VRV in HA/BMS systems

Connect split indoor units to KNX interface for Home Automation system



Connect Sky Air / VRV indoor units to KNX interface for BMS integration



KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

	KLIC-DDV3 size 45x45x15mm	KLIC-DI_V2 size 90x60x35mm	
	Split	**Sky Air**	**VRV**
Basic control			
On/Off	●	●	●
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	●	●	●
Fan speed levels	3 or 5 + auto	2 or 3	2 or 3
Swing	Stop or movement	Stop or movement	Swing or fixed positions (5)
Advanced functionalities			
Error management	Communication errors, Daikin unit errors		
Scenes	●	●	●
Auto switch off	●	●	●
Temperature limitation	●	●	●
Initial configuration	●	●	●
Master and slave configuration		●	●

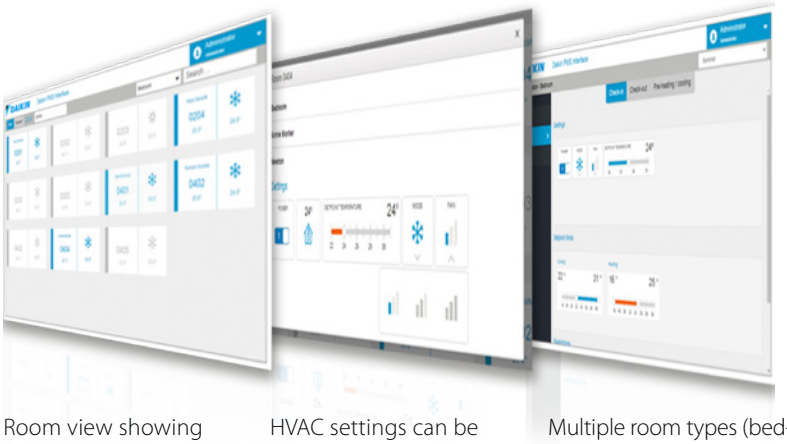
DCM010A51

PMS Interface

Hotel interface connecting Daikin HVAC Property Management Systems

Features

- User-friendly interface for easy front desk support in hotels, conference centers, …
- Compatible with Oracle Opera PMS (formerly known as Micros Fidelio)
- Automated push of indoor unit settings based on the Opera PMS Check-In and Check-Out commands
- Energy saving thanks to the possibility to limit temperature setpoint
- Up to 5 customized operation profiles based on weather conditions
- Available in 23 languages
- Up to 2,500 units / rooms can be managed
- The Daikin PMS is using the FIAS protocol, designed by Oracle, to interface with the Property Management System.



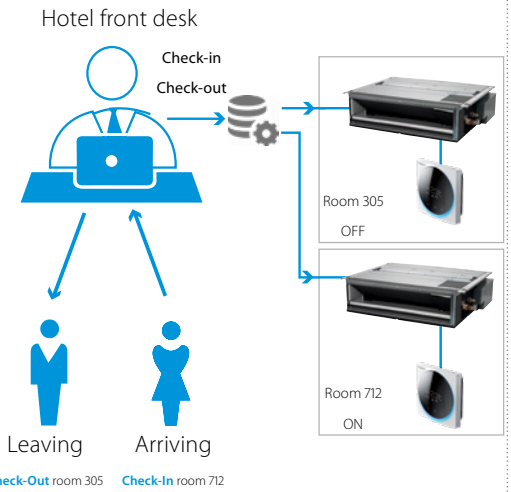
Room view showing room status: check-in, check-out, pre-heating / cooling status, room temperature and A/C status

HVAC settings can be easily observed and changed by the reception desk

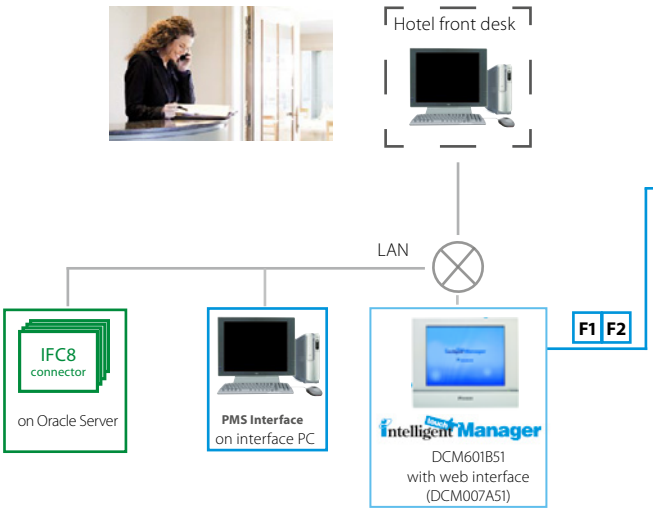
Multiple room types (bed-room, meeting room, …) can be defined with customized A/C settings for each type

Hotel case example:

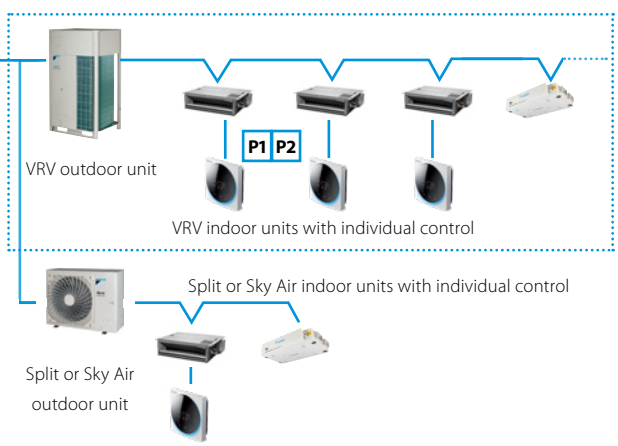
› On check-in the HVAC for the room is automatically switched on
› On check-out the HVAC for the room is automatically switched off.
› Increased hotel customer experience by pre-heating / cooling of booked rooms



Simplified configuration of Daikin PMS interface



Daikin HVAC network

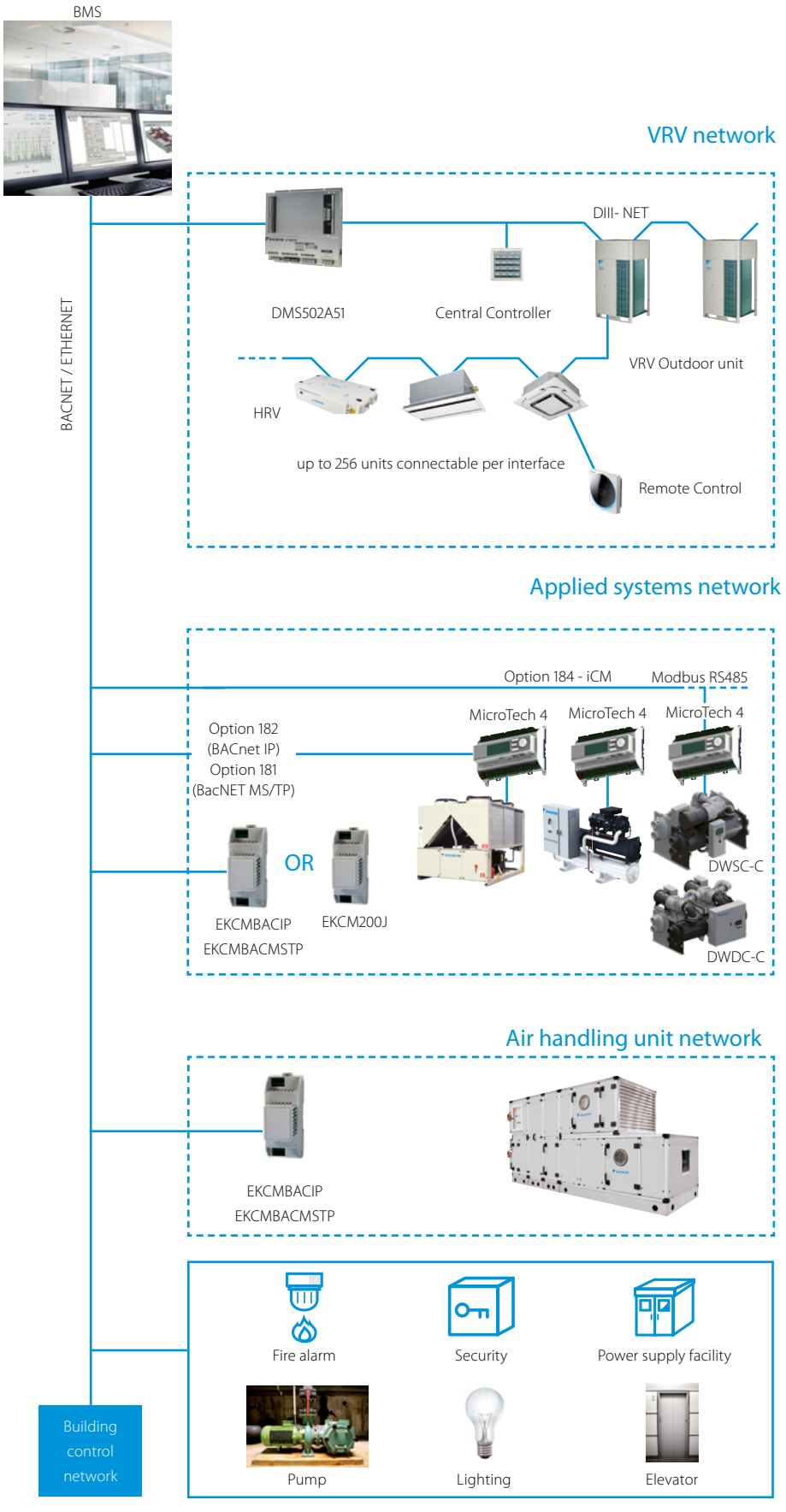


DMS502A51 / EKACBACMSTP / EKCMBACIP / EKCMBACMSTP

BACnet Interface

Integrated control system for seamless connection between VRV, applied systems, air handling units and BMS systems

- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- Unlimited site size
- Easy and fast installation
- PPD data is available on BMS system (only for VRV)

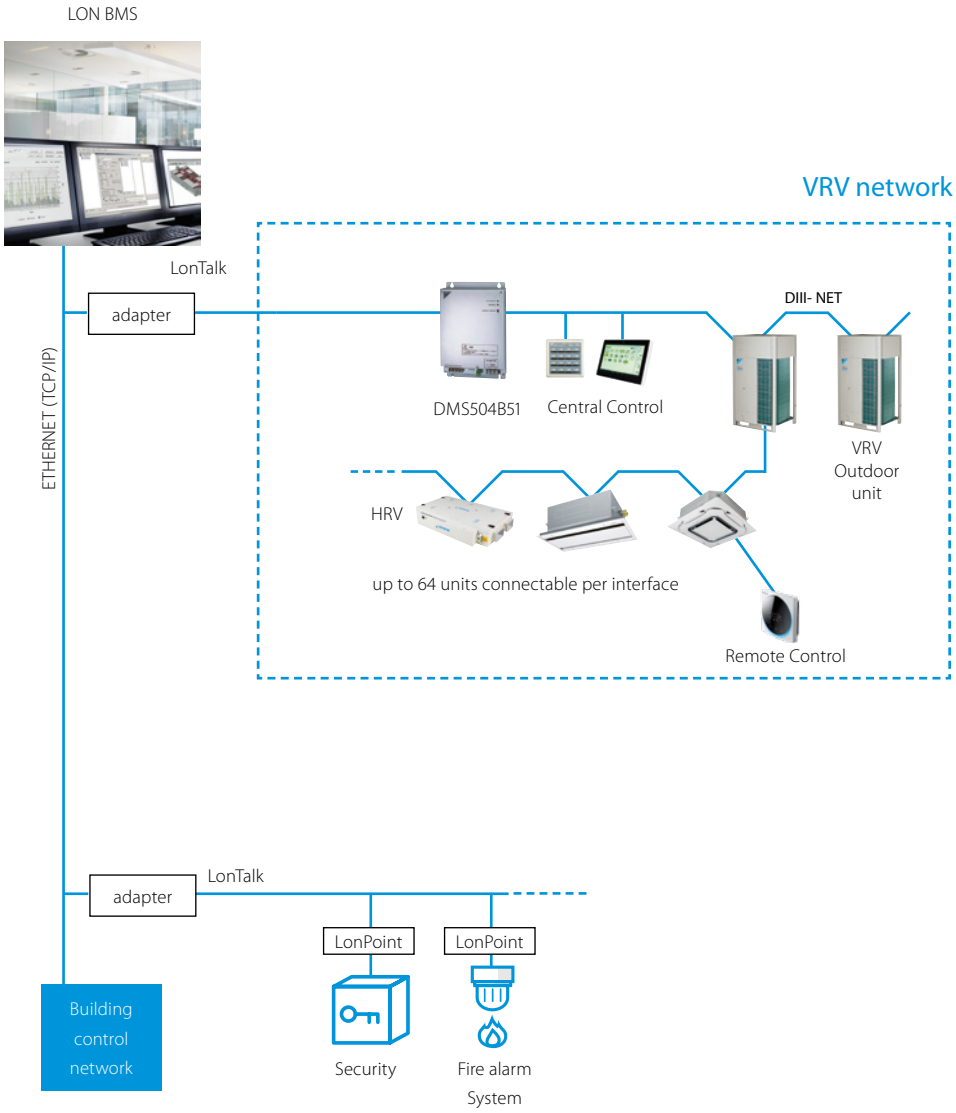


DMS504B51

LonWorks Interface

Open network integration of VRV monitoring and control functions into LonWorks networks

- Interface for Lon connection to LonWorks networks
- Communication via Lon protocol (twisted pair wire)
- Unlimited sitesize
- Quick and easy installation



EKPCCAB4

Daikin Configurator Tool + Software

Simplified commissioning: graphical interface to configure, commission and upload system settings

Simplified commissioning

The Daikin configurator for Daikin Altherma and VRV is an advanced software solution that allows for easy system configuration and commissioning:

› Less time is required on the roof configuring the outdoor unit
› Multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts
› Initial settings on the outdoor unit can be easily retrieved

Simplified commissioning

Retrieve initial system settings

Daikin Cloud Service
to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are while teaming up with Daikin experts

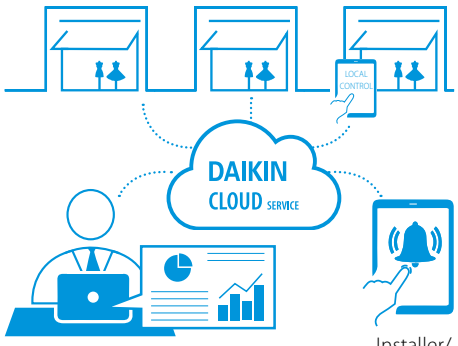
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ☑ Control and monitor your premises, wherever you are
- ☑ Centralised control and monitoring of all your premises
- ☑ Check errors remotely without having to go on site
- ☑ Visualise energy consumption and reduce energy waste by comparing different premises
- ☑ Graphical visualization of IEQ parameters (frequency day, week, month, year)
- ☑ Export & print IEQ parameters

Multi-site monitoring

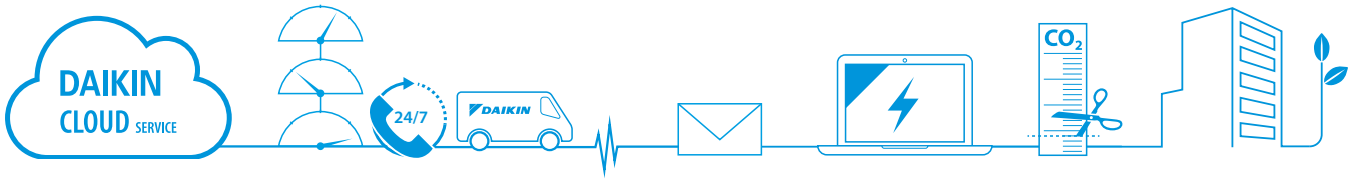
From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ☑ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ☑ Service providers have access to operational data so they arrive on site prepared
- ☑ Remote expert assistance in case of errors



Advice and optimisation

Get the best out of your system through expert advice

- ☑ Periodical analysis and optimisation report by experts
- ☑ Personalised actions to maximise energy efficiency and comfort
- ☑ Increased system lifetime as the system runs as it should

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin Cloud Service packages

	Control and monitoring	Remote support and diagnostics	Advice and optimisation
Remote control, scheduling and interlocking	✓ (DCC601A51 only)	✓ (DCC601A51 only)	✓ (DCC601A51 only)
Energy monitoring	✓	✓	✓
Multi-site benchmark	✓	✓	✓
Alarm history and e-mail notifications**	✗	✓	✓
Predictions and e-mail notifications**	✗	✓	✓
Operational data access	✗	✓	✓
Indoor use analysis	✗	✓	✓
Outdoor use analysis	✗	✓	✓
Remote diagnostic and support from Daikin	✗	✓	✓
Periodical analysis and optimisation advice from Daikin	✗	✗	✓
Can be combined with maintenance programmes: - Technical inspection - Preventive Maintenance Plan - Comprehensive Maintenance Plan	✗	✗	✓

Packages subject to local availability
Daikin Cloud Service replaces VRV Cloud and i-Net services.

Flexible solution

Manage your premises according to your needs, using a local control or remotely via Daikin Cloud Service, or a combination of both.

Control*, no matter where you are

Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

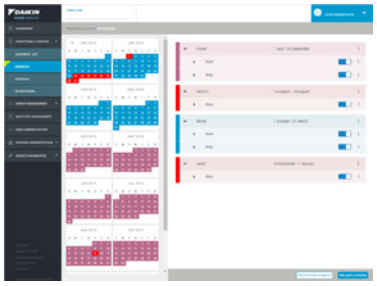
Predictive logic for VRV to prevent breakdowns

The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

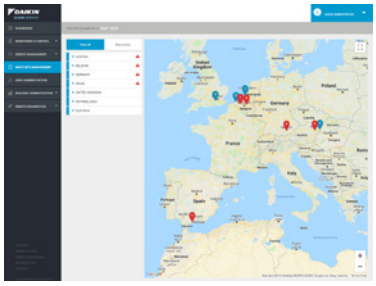
Compatible with:

› Intelligent Tablet Controller (DCC601A51)
› Intelligent Touch Manager (DCM601B51) + IoT gateway
› LC8 + IoT gateway

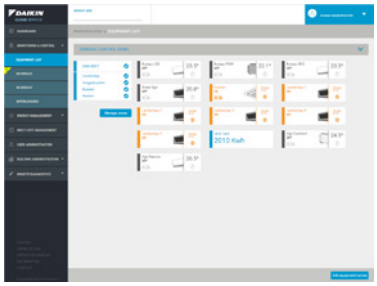
1. Clear dashboard overview



3. Easy setting of schedules

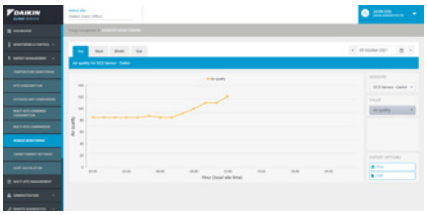


5. Multi site management

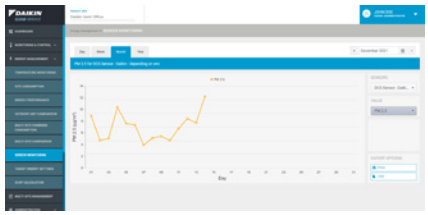


2. Monitor and control your system

4. Energy management and consumption follow up



IEQ dashboard on DCS



DCS IEQ Sensor Monitoring

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

K.RSS

Wireless room temperature sensor

Flexible and easy installation

› Accurate temperature measurement thanks to flexible placement of the sensor
› No need for wiring
› No need to drill holes
› Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FXSQ example)

RF receiver

RF sensor (transmitter)

Specifications

			Wireless room temperature sensor kit (K.RSS)	
			Wireless room temperature receiver	Wireless room temperature sensor
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

› Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

KRCS*

Wired room temperature sensor

› Accurate temperature measurement, thanks to flexible placement of the sensor
› Specific model code for each indoor unit can be found in the option tables

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

ADAPTER PCBs

Simple solutions for unique requirements
Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

			Connectable to:		
			Split	Sky Air	VRV
	(E)KRP1B* adapter for wiring	› Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper › Powered by and installed at the indoor unit		●	●
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	› Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via P1 P2) › Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via F1 F2) › Alarm indication/ fire shut down › Remote temperature setpoint adjustment › Cannot be used in combination with a central controller		●	●
	SB.KRP58M2	› Low noise and demand control option for RZAG-N* and RZASG-M* series. › Obligatory mounted plate EKMKSA2 needs to be ordered separately		●	
	KRP58M51	› Low noise and demand control option for RZA-D series. › Includes obligatory mounted plate EKMKSA3 › Obligatory mounting plate EKMKSA3 needs to be ordered separately		●	
	DTA104A* Outdoor Unit External Control Adapter	› Individual or simultaneous control of VRV system operating mode › Demand control of individual or multiple systems › Low noise option for individual or multiple systems			●
	DCS302A52-9 Unification adapter for computerized control	› Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system › Must be used together with Intelligent Touch Controller or intelligent Touch Manager › Cannot be combined with KRP2/4* › Can be used for all VRV indoor models			●
	KRP928* Interface adapter for DIII-net	› Allows integration of split units to Daikin central controls	●		
	KRP980* Adapter for split units without an S21 port	› Connect a wired remote control › Connect to Daikin central controls › Allow external contact	●		
	KRP413* Wiring adapter normal open contact / normal open pulse contact	› Switch off auto restart after power failure › Indication of operation mode / error › Remotely start / stop › Remotely change operation mode › Remotely change fan speed	●		

Some adapters require an installation box, refer to the option lists for more information

Accessories

EKRORO		› External ON/OFF or forced off › Example: door or window contact
EKRORO 3		› External ON/OFF or forced off › F1/F2 contact › Example: door or window contact
KRC19-26A		› Mechanical cool/heat selector › Allows switching over an entire system between cooling/heating/fan only › Connects to the A/B/C terminals of the unit
BRP2A81		› Cool/heat selector PCB › Required to connect KRC19-26A to a VRV IV outdoor unit

IEQ Sensor

Our New Indoor Environmental Quality Sensor

Daikin's newest device measures and analyzes your indoor environment to improve your well-being

Features

The Daikin IEQ Sensor measures your well-being by tracking indoor air quality values, environmental comfort, and electromagnetic pollution. It is available with 12 sensors and 15 parameter measures, and connects through your Wi-Fi network or via NB-IoT technology.

Complete Standalone Installation

The Daikin IEQ Sensor does not have to be paired with another product, for an extremely easy and completely standalone installation that takes about a minute. The device can be powered up with microUSB power supply (included). The material code is AIRSENSEPROPLUS.

Caelum Monitoring Platform

The device connects to Caelum, Daikin's monitoring platform, at www.daikiniaq.com. This enables you to easily monitor Indoor Air Quality levels and create regular reports based on the data detected by the sensor. You can even use the platform to show your indoor air quality levels to your visitors.

Mobile App

The configuration app is available as Daikin AirSense on both the App Store and Play Store. Once installed on your mobile device and logged in, scan the QR code on the IEQ sensor and the app will guide you through the entire configuration process. Once your sensor is configured, you will have access to the entire set of functions from your mobile.

Connectivity

The IEQ sensor ensures perfect integration with Daikin on Site and Daikin Cloud Service, Daikin's remote monitoring and smart maintenance platform. It gives you perfect control over the entire heating, ventilation and air conditioning system installed in your building. You can use interlock function between IAQ sensor and AHUs.

Available ReFilter tools

Product Hierarchy

› Material – Product hierarchy: Accessory
› Material name: AIRSENSEPROPLUS
› Business Pillar: SERVICES

Green Building Certification

Installing the Daikin IEQ sensor can help you achieve better sustainability ratings and green building projects certified with LEED and WELL certification thanks to Indoor Environmental Quality credits.

Video wall

The video wall is a great tool to have a general overview of the measurements conducted by the device. This screen can be shared with the occupants of the buildings to show in each moment the Indoor Air Quality status.

Communication capability

NB-IoT: This technology can reach devices in areas where reception is poor or difficult to reach. Complete standalone installation. This is a perfect solution for service purposes where access to local Wi-Fi is not allowed or not available.

Wi-Fi: Easy and complete standalone installation.

Daikin IEQ Sensor kit

The IEQ sensor kit comes in a carton box containing the following items:

› Power Supply plug
› USB - Micro USB Cables
› Wall fixing kit
› Quick installation guides

NB-IoT or WiFi?

Communication is either Wifi or NB-IoT network (mobile network). The NB-IoT services is available in the following 18 countries: Austria, Belgium, Czech Republic, Denmark, Estonia, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Portugal, Romania, Spain, Switzerland, United Kingdom. NB-IoT services carry a fee (invoiced after the first year of usage).

AUTO-CLEANING PANEL

FILTERS

INTELLIGENT SENSORS

Options & Accessories

NEW Tightfit fireless joint 216
VRV 5 outdoor 218
VRV 5 indoor 221
VRV IV outdoor 222
VRV IV indoor 227
Ventilation 228
Control systems 230

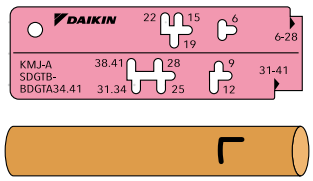
Tightfit

NEW

Daikin Tightfit is a non-brazed connection suitable for refrigerant piping. Pipes can be joined easily and quickly without brazing or using any special tools. It meets stringent safety requirements and provides leak-free tightness.

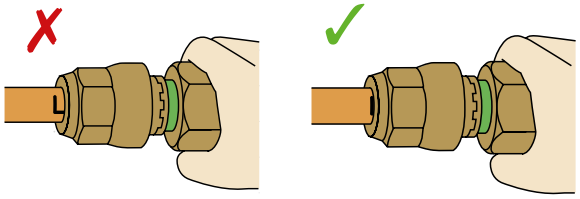
- Double edged claw catches the pipe to form tight, mechanical sealing
- 2 types of connectors suitable for most pipe sizes and applications
- Specially developed REFNET allows direct connection to Tightfit joints
- Unique mechanical and resin sealings prevent any leak.
- Extremely durable: can withstand up to 4 times (17.2MPa) the maximum operating pressure of R-32 refrigerant

Installation in 4 easy steps



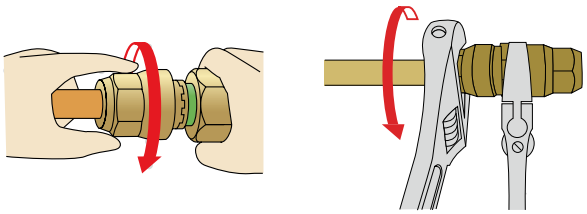
1 Mark the insertion line

Mark the insertion 'T' or 'L' standard line with the marking gauge and marker pen at the proper position of each pipe size.



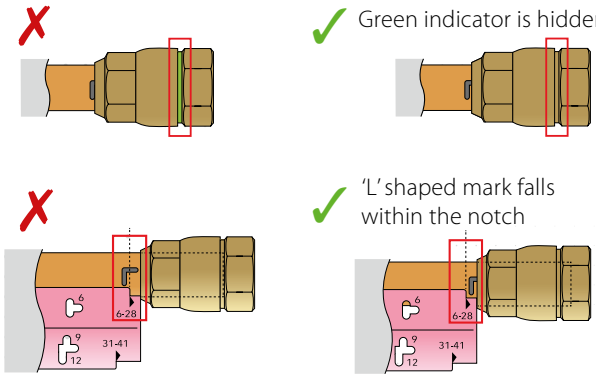
2 Insert the pipe

1. Insert firmly by hand until the pipe stops.
2. Make sure that the insertion standard line is no longer visible.



3 Tighten the nut

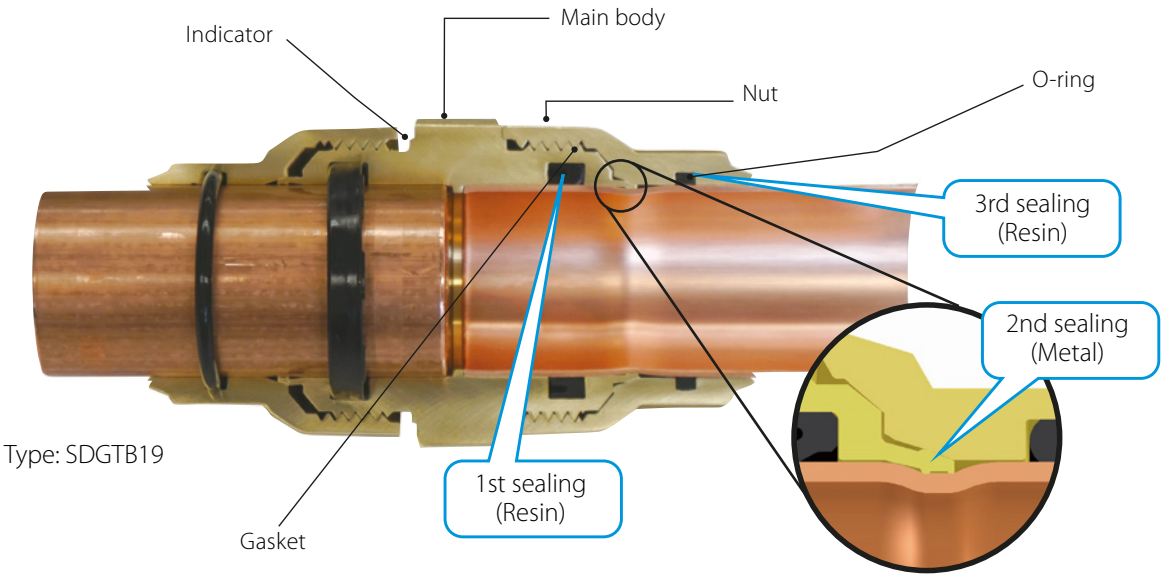
1. Hold the main body and tighten the nut by hand
2. Hold the main body and tighten the nut with a monkey wrench, until the green indicator disappears and the nut comes into contact with the flat face of the body.



4 Check

1. Green indicator should be hidden.
2. Place the marking gauge on the end face of the nut and make sure that the 'T' or 'L' shaped mark falls completely within the notch in the marking gauge.

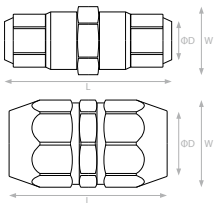
Tightfit Mechanism



Type: SDGTB19

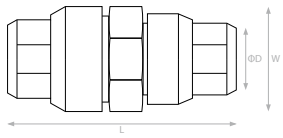
Range and specifications

Standard joints (same size piping on each side)



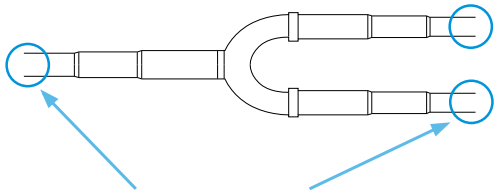
Box Model Name	No. of joints/box	Dimensions			
		Diameter	L (mm)	W (mm)	Single Weight (g)
SDGTB06	100	1/4" (6.35mm)	50.4	15	43
SDGTB09	90	3/8" (9.52mm)	55	19.9	79
SDGTB12	70	1/2" (12.7mm)	59	23.5	113
SDGTB15	60	5/8" (15.9mm)	74	30	210
SDGTB19	45	3/4" (19.1mm)	76.8	34.6	273
SDGTB22	30	7/8" (22.2mm)	83.4	40.2	292
SDGTB28	24	1 1/8" (28.6mm)	88	46.7	515
BDGTA34	20	1 3/8" (34.9mm)	101.5	51.1	686
BDGTA41	16	1 5/8" (41.3mm)	103.5	58.3	881

Asymmetricjoints (different size piping on each side)



Box Model Name	No. of joints/box	Dimensions			
		Diameter	L (mm)	W (mm)	Single Weight (g)
SDGTB0906	90	1/4"-3/8" (6.35-9.52mm)	52.7	19.9	67
SDGTB1209	70	3/8"-1/2" (9.42-12.7mm)	57.5	23.5	101
SDGTB1512	60	1/2"-5/8" (12.7-15.9mm)	65	30	164
SDGTB1915	45	5/8"-3/4" (15.9-19.1mm)	76.8	34.6	244
SDGTB2219	30	3/4"-7/8" (19.1-22.2mm)	81.5	40.2	358
SDGTB2522	30	7/8"-1" (22.2-25.4mm)	85.8	43.5	444
SDGTB2825	24	1"-1 1/8" (25.4-28.6mm)	88.1	46.7	505
SDGTB3428	20	1 1/8"-1 3/8" (28.6-34.9mm)	101.5	51.1	645

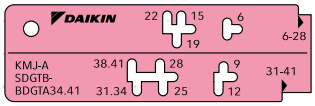
Refnets compatible with Tightfit joints



Possible to connect Tightfit directly

Tightfit REFNET	Standard Refnet (for reference only)
BHRG26A33T	KHRQ22M20TA
	KHRQ22M20T
	KHRQ22M29T9
BHRG26A72T	KHRQ22M64T
BHRG26A73T	KHRQ22M75T
BHRG25A33T	KHRQ23M20T
	KHRQ23M29T9
BHRG25A72T	KHRQ23M64T
BHRG25A73T	KHRQ23M75T

Accessories



New Measuring Tool
SDGT_GAUGE

		VRV 5 heat recovery		VRV S-series
		REYA8-20 REMA5	2 module systems	RXYSA-AV1/AY1
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system		2 modules: BHFQ23P907A	
	Extended level difference kit - Allows outdoor unit to be more than 50m above indoor units			
	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.			
	Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)	5/8-12: EKBPH012T 14-20: EKBPH020T		EKBPH250D
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units		
	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.			•
	Cool/heat selector PCB (required to connect KRC19-26)			Standard on unit
	KKSB26B1* Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26			•
	EKCHSC - Cool/heat selector cable			
	EKPCCAB4 VRV configurator			•
	KKSB26B1* Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			
	DTA109A51 DIII-net expander adapter			
	BPMKS967A2/A3 Branch provider (for connection of 2/3 RA indoor units)			
	EKDK04 Drain plug kit			
	EKLN140A Sound enclosure			•

Refnets & branch selector boxes

		Refnet Joints				Refnet Headers			VRV 5 Heat Recovery Branch Selector (BSSV) boxes R-32
		Capacity index	Capacity index	Capacity index	Capacity index	Capacity index	Capacity index	Capacity index	Multi port
		< 200	200 ≤ x < 290	290 ≤ x < 640	> 640	< 290	290 ≤ x < 640	> 640	BS-A14AV1B
Refnets	Imperial-size connections for heat recovery pump (2-pipe)	For all R-410A VRV: KHRQ22M20T For all R-410A+R-32 VRV: KHRQ22M20TA	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T	KHRQ22M29H	KHRQ22M64H	KHRQ22M75H	
	Imperial-size connections for heat recovery pump (2-pipe) (1)	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T	KHRQ23M29H	KHRQ23M64H	KHRQ23M75H	
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	Closed pipe kit								
	Joint kit								EKBSJK
	Quiet kit								
	Duct connection: To connect extraction of BSSV boxes in serial								EKBSDCK
	Drain pump kit								K-KDU303KVE

(1) For metric size connections, contact your local sales responsible

			Ceiling mounted cassette units	
			Round flow (800x800)	4-way (600x600)
			FXFA-A	FXZA-A
Panels	**Decoration panel** (obligatory for cassette units, optional for others, rear panel for FXLQ)		Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(3) / BYCQ140EB (black) Auto cleaning (5)(6): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	R-410A model: BYFQ60C2W1W (white panel) BYFQ60C2W1S (grey panel) BYFQ60B3W1 (standard panel) R-32 model: BYFQ60C4W1W (white panel) (19) BYFQ60C4W1S (grey panel) (19) BYFQ60B3W1 (standard panel) (20)
	Panel spacer for reducing required installation height			KDBQ44B60 (Standard panel)
	Sealing kit for 3- or 2-directional air discharge		KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)
	Sensor kit		BRYQ140B (white panels) BRYQ140BB (black panels) BRYQ140C (white designer panel) BRYQ140CB (black designer panel)	R-410A models: BRYQ60A2W (white) BRYQ60A2S (grey) R-32 models: BRYQ60A3W (white) BRYQ60A3S (grey)
Individual control systems	Infrared remote control (incl. receiver)		BRC7FA532F (white panels) (7)(15) BRC7FA532FB (black panels) (7)(15) BRC7FB532F (white designer panel) (7)(15) BRC7FB532FB (black designer panel) (7)(15)	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530W (9) (10) (standard panel)
	BRP069C51 - Onecta app		●	●
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design		● (mandatory)	● (mandatory)
	BRC1E53A/B/C - Wired remote control with full-text interface and back-light			
	BRC1D52 (4) - Standard wired remote control with weekly timer			
Centralised control systems	**DCC601A51** - intelligent Tablet Controller		●	●
	DCS601C51 (12) - intelligent Touch Controller		●	●
	DCS302C51 (12) - Central remote controller		●	●
	DCS301B51 (12) (13) - Unified ON/OFF controller		●	●
Building Management System & Standard protocol interfaces – for individual control	**RTD-NET** - Modbus interface for monitoring and control		●	●
	RTD-10 - Modbus interface for infrastructure cooling		●	●
	RTD-20 - Modbus interface for retail		●	●
	RTD-HO - Modbus interface for hotel		●	●
	KLIC-DI - KNX Interface		●	●
Building Management System & Standard protocol interfaces – for central control	**DCM601B51** - intelligent Touch Manager		●	●
	EKMBDXB - Modbus interface		●	●
	DCM010A51 - Daikin PMS interface		●	●
	DMS502A51 - BACnet Interface		●	●
	DMS504B51 - LonWorks Interface		●	●
Filters	Auto cleaning filter		see decoration panel	
	UV Streamer kit (purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy indoor environment)	UV Streamer kit	BAEF125AWB (22)	
		Replacement filter	BAFP55A160	
	Replacement high efficiency filter		BAF552AA160 ePM10 60% (7) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filter)	
	Replacement long life filter, non-woven type		KAF5511D160	KAF441C60
	Pre-filter			
	Filter chamber			
Wiring and sensors	**KRCS** - External wired temperature sensor		KRCS01-5B	KRCS01-6B
	K.RSS - External wireless temperature sensor		SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)
Adapters	Adapter with 2 output signals (Compressor / Error, Fan output)		KRP1BA58 (2)(7)	ERP02A50 (2)
	Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)		EKRP1C12 (2)(7)	EKRP1C14 (2)
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)		KRP4A53 (2)(7)	KRP4A53 (2)
	Adapter for external central monitoring/control (controls 1 entire system)			KRP2A52
	Adapter for keycard and/or window contact connection (2)(11)		BRP7A53	BRP7A53 (2)
	Adapter for multi-tenant applications (24VAC PCB power supply interface)		DTA114A61	DTA114A61
	External control adapter for outdoor unit (installation on indoor unit)			
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)		KRP1H98A (7) KRP1BC101	KRP1BC101
	Wiring kit for Remote ON/OFF or Forced OFF		Standard	Standard
	Relay PCB for output signal of refrigerant sensor		ERP01A51 (2)	ERP01A50 (2)
Others	Drain pump kit		Standard	Standard
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)			
	Fresh air intake kit (direct installation type)		KDDP55C160-1 + KDDP55D160-2 (7)(8)	KDDQ44XA60
	Air discharge adapter for round duct			
	L-type piping kit			
	Insulation kit for high humidity			

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt*
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E or BRC1H* is needed
(6) The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140EGF(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the

Concealed ceiling units (duct units)			Ceiling suspended units		Wall mounted units
Slim	Medium ESP	High ESP	1-way blow	4-way blow	
FXDA-A	FXSA-A	FXMA-A	FXHA-A	FXUA-A	FXAA-A
				KDBHP49B140 + KDBTP49B140	
				BRE49B2F	
BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7C58	BRC7EA630
●	●	●	●	●	●
● (mandatory)	● (mandatory)	● (mandatory)	● (mandatory)	● (mandatory)	● (mandatory)
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●		●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
15-32: BAE20A62 40-50: BAE20A82 63: BAE20A102					
		BAFM503A250 (65%) (21) BAFH504A250 (90%) (21)			
		200~250: BAFL502A250 (21)	32: KAF501B56 50~63: KAF501B80 71~100: KAF501B160	KAFP551K160	
		BAFL501A250 (21)			
		BDD500B250			
KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B
SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	●	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)
			KRP1BA58		
ERP02A50 (2)	EKRP1C14 (2)	EKRP1C14 (2)		EKRP1C14 (2)	ERP02A50 (2)
KRP4A54-9 (2)	KRP4A52(2)	50~125: KRP4A52 200~250: KRP4A51	KRP4A52 (2)	KRP4A53 (2)	KRP4A51 (2)
KRP2A53 (2)	KRP2A51(2)	KRP2A51	KRP2A62		KRP2A61(2)
BRP7A54	BRP7A51	BRP7A51	BRP7A52 (2)	BRP7A53	BRP7A51 (2)
DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61
DTA104A53	DTA104A61 (2)	DTA104A61 (2)	DTA104A61		DTA104A51(2) / DTA104A61(2)
KRP1BC101	KRP1BC101	KRP1BC101	KRP1D93A/KRP4B93	KRP1B97	KRP4A93
	Standard	Standard	standard	standard	Standard
ERP01A51 (2)	ERP01A50 (2)	ERP01A50	ERP01A51 (2)	ERP01A51 (2)	ERP01A51 (2)
Standard	Standard	200~250: BDU510B250VM	32-50-63: KDU50R63 100: KDU50R160		K-KDU572KVE
	15~32: KDAP25A36A 40~50: KDAP25A56A 63~80: KDAP25A71A 100~125: KDAP25A140A 140: -	50~80: KDAJ25K71 100~125: KDAJ25K140 200~250: -			
			32: KHFP5M35 50~63: KHFP5N63 71~100: KHFP5N160		
KDT25N32 / KDT25N50 / KDT25N63					

controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller
(19) The BYFQ60C4* R-32 panels can be connected to R-410A indoor units with wire harness EKRS22
(20) Wire harness EKRS23 is necessary
(21) Filter chamber needed
(22) Only possible in combination with BYCQ140E and BYCQ140EW

		VRV IV+ heat recovery	
		REYQ8-20 REMQ5	2/3 module systems
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system		2 modules: BHFQ23P907A 3 modules: BHFQ23P1357
	Extended level difference kit - Allows outdoor unit to be more than 50m above indoor units	Special order unit	
	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.		
	Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)	5/8-12: EKBPH012T7A 14-20: EKBPH020T7A	
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.		
	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		
	Cool/heat selector PCB (required to connect KRC19-26)		
	KKSB26B1* Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)		
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26		
	EKCHSC - Cool/heat selector cable		
	EKPCCAB4 VRV configurator		
	KKSB26B1* Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.		
	DTA109A51 DIII-net expander adapter		
	BPMKS967A2/A3 Branch provider (for connection of 2/3 RA indoor units)		
	EKDK04 Drain plug kit		
	EKLN140A Sound enclosure		

		VRV IV S-series		
		RXYSCQ-TV1	RXYSQ4-6TV9	RXYSQ4-6TY9
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system			
	Extended level difference kit - Allows outdoor unit to be more than 50m above indoor units			
	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.			
	Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)			
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units		
	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		•	•
	Cool/heat selector PCB (Required to connect KRC19-26)		EBRP2B	
	KKSB26B1* Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26		•	•
	EKCHSC Cool/heat selector cable (Required to connect KRC19-26)			•
	EKPCCAB4 VRV configurator	•	•	•
	KKSB26B1* Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			
	DTA109A51 DIII-net expander adapter			
	BPMKS967A2/A3 Branch provider (for connection of 2/3 RA indoor units)	•	•	•
	EKDK04 Drain plug kit		•	•

VRV IV+ heat pump		VRV IV C+series	
RYYQ8-20 RYMQ8-20 RXYQ8-20	**2/3 module systems**	**RXYLQ RXMLQ**	**2/3 module systems**
	2 modules: BHFQ22P1007 3 modules: BHFQ22P1517		2 modules: BHFQ22P1007 3 modules: BHFQ22P1517
8-12: EKBPH012T7A 14-20: EKBPH020T7A			
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units			
•	1 kit per system	•	1 kit per system
BRP2A81	1 kit per system	BRP2A81	1 kit per system
• (14-20)	1 kit per system	•	1 kit per system
•	1 kit per system	•	1 kit per system
•		•	
• (14-20)			
•		•	

	VRV IV i-series SB.RKXYQ			
RXYSQ8-12TY1	**RDXYQ5**	**RDXYQ8**	**RKXYQ5**	**RKXYQ8**
	EKDPH1RDX	EKDPH1RDX		
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units				
			•	•
				BRP2A81
			•	•
			•	
•			•	•
•				

		VRV IV-Q Heat Pump Replacement VRV		
		RQYQ 140P	RXYQQ8-20	2/3-module systems
Kits	**Multi-module connection kit (obligatory)** Connects multiple modules into a single refrigerant system			2 modules: BHFQ22P1007 3 modules: BHFQ22P1517
	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.	KWC26B160		
	Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)		8-12: EKBPH012T7A 14-20: EKBPH020T7A	
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units	
	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	•	•	1 kit per system
	BRP2A81 Cool/heat selector PCB (required to connect KRC19-26 to VRV IV outdoor)		•	1 kit per system
	KKSB26B1* Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)		• (8-12)	1 kit per system
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26	•	•	1 kit per system
	EKPCCAB4 VRV configurator		•	
	KKSB2B61* Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.		• (8-12)	
	DTA109A51 DIII-net expander adapter			

(1) For installations with special requirements towards fire regulations, the insulation material can be replaced using kits EKHBFQ1 and EKHBFQ2.
The kits contain insulation material that complies with EN13501-1:B-S3,dO and BS476-7 (class 1)

Refnets & branch selector boxes

		Refnet Joints			
		Capacity index	Capacity index	Capacity index	Capacity index
		< 200	200 ≤ x < 290	290 ≤ x < 640	> 640
Refnets	Imperial-size connections for heat recovery pump (2-pipe)	For all R-410A VRV: KHRQ22M20T For all R-410A+R-32 VRV: KHRQ22M20TA	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T
	Imperial-size connections for heat recovery pump (2-pipe) (1)	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	Closed pipe kit				
	Joint kit				
	Quiet kit				
	Duct connection: To connect extraction of BSSV boxes in serial				
	Drain pump kit				

(1) For metric size connections, contact your local sales responsible

VRV III-Q Heat Recovery Replacement VRV		VRV-W IV Water-cooled VRV		
			Heat Pump application	Heat Recovery application
RQEQ 140~212	2/3/4-module systems	RWEYQ8-14	2/3-module systems	2/3-module systems
	2/3 modules: BHFP26P36C 4 modules: BHFP26P84C		BHFQ22P1007 / BHFQ22P1517 (1)	BHFQ23P907 / BHFQ23P1357 (1)
DTA104A53/61/62 Installation in the RWEYQ outdoor unit possible. For installation in indoor units, use appropriate type (DTA104A53/61/62) for particular indoor unit. See Options & Accessories of indoor units				
		• (for H/P only)	1 kit per system	
		• (for H/P only)	1 kit per system	
•		• (for H/P only)	1 kit per system	
		•	•	•
		•	•	•

Refnet Headers			VRV IV Heat Recovery Branch Selector (BS) boxes R-410A	
Capacity index	Capacity index	Capacity index	1-port	Multi port
< 290	290 ≤ x < 640	> 640	BS1Q-A	BS-Q14AV1B
KHRQ22M29H	KHRQ22M64H	KHRQ22M75H		
KHRQ23M29H	KHRQ23M64H	KHRQ23M75H		
				KHFP26A100C
				KHRP26A250T
			EKBSVQLNP	4 port: KDDN26A4 6-8 port: KDDN26A8 10-12 port: KDDN26A12 16 port: KDDN26A16

Options & accessories -

VRV indoor & hot water R-410A LOOP BY DAIKIN

			Ceiling mounted cassette units			
			Round flow (800x800)	4-way (600x600)	2-way blow	Corner (1-way blow)
			FXFQ-B	FXZQ-A	FXCQ-A	FXKQ-MA
Panels	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)		Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(3) / BYCQ140EB (black) Auto cleaning (5)(6): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	R-410A model: BYFQ60C2W1W (white panel) BYFQ60C2W1S (grey panel) BYFQ60B3W1 (standard panel) R-32 model: BYFQ60C4W1W (white panel) (19) BYFQ60C4W1S (grey panel) (19) BYFQ60B3W1 (standard panel) (20)	20~40: BYBCQ40H 50~63: BYBCQ63H 80~125: BYBCQ125H	25~40: BYK45F 63: BYK71F
	Panel spacer for reducing required installation height			KDBQ44B60 (Standard panel)		25~40: KPBJ52F56 63: KPBJ52F80
	Sealing kit for 3- or 2-directional air discharge		KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)		
	Sensor kit		BRYQ140B (white panels) BRYQ140BB (black panels) BRYQ140C (white designer panel) BRYQ140CB (black designer panel)	R-410A models: BRYQ60A2W (white) BRYQ60A2S (grey) R-32 models: BRYQ60A3W (white) BRYQ60A3S (grey)		
Individual control systems	Infrared remote control including receiver		BRC7FA532F (white panels) (7)(15) BRC7FA532FB (black panels) (7)(15) BRC7FB532F (white designer panel) (7)(15) BRC7FB532FB (black designer panel) (7)(15)	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530W (9) (10) (standard panel)	BRC7C52	BRC4C61
	BRP069C51 - Onecta app					
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design		●	●	●	●
	BRC1E53A/B/C - Wired remote control with full-text interface and back-light		● (18)	● (18)	●	●
	BRC1D52 (4) - Standard wired remote control with weekly timer		● (15)(18)	● (18)	●	●
Centralised control systems	**DCC601A51** - Intelligent Tablet Controller		●	●	●	●
	DCS601C51 (12) - intelligent Touch Controller		●	●	●	●
	DCS302C51 (12) - Central remote control		●	●	●	●
	DCS301B51 (12) (13) - Unified ON/OFF control		●	●	●	●
Building Management System & Standard protocol interfaces for individual control	**RTD-NET** - Modbus interface for monitoring and control		●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling		●	●	●	●
	RTD-20 - Modbus interface for retail		●	●	●	●
	RTD-HO - Modbus interface for hotel		●	●	●	●
	KLIC-DI - KNX Interface		●	●	●	●
Building Management System & Standard protocol interfaces for central control	**DCM601B51** - intelligent Touch Manager		●	●	●	●
	EKMBDXB - Modbus interface		●	●	●	●
	DCM010A51 - Daikin PMS interface		●	●	●	●
	DMS502A51 - BACnet Interface		●	●	●	●
	DMS504B51 - LonWorks Interface		●	●	●	●
Filters	Auto cleaning filter		see decoration panel			
	UV Streamer kit (purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy indoor environment)	UV Streamer kit	BAEF125AWB (22)			
		Replacement filter	BAFP55A160			
	Replacement high efficiency filter		BAF552AA160 ePM10 60% (7) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filter)			
	Replacement long life filter, non-woven type		KAF5511D160	KAF441C60	20~40: KAF531C50 50~63: KAF531C80 80~125: KAF531C160	
	Pre-filter					
	Filter chamber					
Wiring and sensors	**KRCS** - External wired temperature sensor		KRCS01-5B	KRCS01-4	KRCS01-4	KRCS01-1
	K.RSS - External wireless temperature sensor		K.RSS	K.RSS	●	●
Adapters	Adapter with 2 output signals (Compressor / Error, Fan output)		KRP1BA58 (2)(7)	KRP1B57 (2)		
	Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)		EKRP1C12 (2)(7)	EKRP1B2 (2)	EKRP1B2 (2)	KRP1B61
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)		KRP4A53 (2)(7)	KRP4A53 (2)	KRP4A51 (2)	KRP4A51
	Adapter for external central monitoring/control (controls 1 entire system)			KRP2A52	KRP2A51 (2)	KRP2A61
	Adapter for keycard and/or window contact connection (2)(11)		BRP7A53	BRP7A53 (2)	BRP7A51	BRP7A51
	Adapter for multi-tenant applications (24VAC PCB power supply interface)		DTA114A61	DTA114A61		
	External control adapter for outdoor unit (installation on indoor unit)				DTA104A61 (2)	DTA104A61
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)		KRP1H98A (7) KRP1BC101	KRP1BC101	KRP1C96 (16) (17)	
	Wiring kit for Remote ON/OFF or Forced OFF		Standard	Standard	Standard	Standard
	Relay PCB for output signal of refrigerant sensor					
Others	Drain pump kit		Standard	Standard	Standard	Standard
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)					
	Fresh air intake kit (direct installation type)		KDDP55C160-1 + KDDP55D160-2 (7)(8)	KDDQ44XA60		
	Air discharge adapter for round duct					
	L-type piping kit					
	Filter chamber for bottom suction				20~40: KDDFP53B50 50~63: KDDFP53B80 80~125: KDDFP53B160	
	Insulation kit for high humidity					

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt"
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E or BRC1H* is needed
(6) The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140EGF(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller

Concealed ceiling units (duct units)				Ceiling suspended units		Wall mounted units	Floor standing units	
Slim	Medium ESP	High ESP		1-way blow	4-way blow		Concealed	Free-standing
FXDQ-A3	FXSQ-A	FXMQ-P7	FXMQ-A	FXHQ-A	FXUQ-A	FXAQ-A	FXNQ-A	FXLQP
								20~25: EKRDP25A5 32~40: EKRDP40A5 50~63: EKRDP63A5
					KDBHP49B140 + KDBTP49B140			
BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7C58	BRC7EA629 / BRC7EA628	BRC4C65	BRC4C65
●	●	●	●	●	●	●	●	●
● (18)	● (18)	●	●	●	●	●	●	●
● (18)	● (18)	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
15-32: BAE20A62 40-50: BAE20A82 63: BAE20A102								
			BAFM503A250 (65%) (21) BAFH504A250 (90%) (21)					
			BAFL502A250 (21)	32: KAF501B56 63: KAF501B80 71~100: KAF501B160	KAF5511D160			20~25: KAF361L28 32~40: KAF361L45 50~63: KAF361L71
			BAFL501A250 (21)					
			BDD500B250					
KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-6B	KRCS01-4	KRCS01-4	KRCS01-1	KRSC01-4	KRCS01-1
K.RSS	K.RSS	●	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	●	●	K.RSS + EKEWTSC	●	●
		KRP1C64 (2)	KRP1C65	KRP1B54				
KRP1B56	EKRP1B2 (2)	EKRP1B2 (2)	EKRP1C14 (2)			KRP1B56	KRP1B56	KRP1B61
KRP4A54-9 (2)	KRP4A52 (2)	KRP4A51 (2)	KRP4A51	KRP4A52 (2)	KRP4A53 (2)	KRP4A51 (2)	KRP4A54-9	KRP4A51
KRP2A53 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51	KRP2A62 (2)		KRP2A51 (2)/ KRP2A61(2)	KRP2A53	KRP2A51
BRP7A54	BRP7A51	BRP7A51	BRP7A51	BRP7A52	BRP7A53	BRP7A51 (2)	BRP7A54	BRP7A51
DTA114A61	DTA114A61 (2)	DTA114A61 (2)	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61	EKMTAC
DTA104A53	DTA104A61	DTA104A61 (2)	DTA104A61	DTA104A62-9		DTA104A51 / DTA104A61	DTA104A53	DTA104A61
KRP1BC101	KRP1BC101	KRP4A96		KRP1D93A (19)	KRP1B97	KRP4AA93 (16)(17)	KRP1BC101	
	Standard	Standard	Standard	EKRORO4	EKRORO5	Standard	Standard	Standard
Standard	Standard	Standard	BDU510B250VM	32: KDU50R63 63~100: KDU50R160		K-KDU572KVE		
●	●							
	15~32: KDAP25A36A 40~50: KDAP25A56A 63~80: KDAP25A71A 100~125: KDAP25A140A 140: -	50~80: KDAJ25K71 100~125: KDAJ25K140						
				35: KHFP5M35 63: KHFP5N63 71~100: KHFP5N160				
KDT25N32 / KDT25N50 / KDT25N63								

(19) The BYFQ60C4* R-32 panels can be connected to R-410A indoor units with wire harness EKRS22
(20) Wire harness EKRS23 is necessary
(21) Filter chamber needed
(22) Only possible in combination with BYCQ140E and BYCQ140EW
(23) Requires demand PCB
(24) Can only be used in combination with wireless room thermostat
(25) If tank is NOT mounted on top of the HXHD unit, then option EKFMAHTB is needed to install tank as stand alone

	HXY080-125A8	HXHD125-200A8
Drain pan	EKHBDPCA2	-
Digital I/O PCB	EKRP1HBAA	EKRP1HBAA
Demand PCB - Required to connect room thermostat	EKRP1AHTA	EKRP1AHTA
Remote user interface (remocon) - Same controller as supplied with cascade unit can be mounted parallel or on other location. If 2 controllers are installed, the installer needs to select 1 master & 1 slave	EKRUAHTB	EKRUAHTB
Back-up heater	EKBUHAA6(W1/V3)	-
Wired room thermostat	EKRTWA (23)	EKRTWA (23)
Wireless room thermostat	EKRTR1 (23)	EKRTR1 (23)
Remote sensor for room thermostat	EKRTETS (24)	EKRTETS (23)
Stainless domestic hot water tank - 200l	-	EKHTS200AC (24)
Stainless domestic hot water tank - 260l	-	EKHTS260AC (24)
PP domestic hot water tank - 300l	-	EKHWP300B
PP domestic hot water tank - 500l	-	EKHWP500B
Solar collector	-	EKSV26P (vertical) EKSH26P (horizontal)
Pump station	-	EKSRPS

Options - Ventilation

		Heat Recovery Ventilation - Modular T (Smart)					Heat Recovery Ventilation - Modular L (Smart)			
		ATB03RAS/LAS	ATB04RAS/LAS	SB.ATB05RAS/LAS	SB.ATB06RAS/LAS	SB.ATB07RAS/LAS	ALB02LBS/RBS	ALB03LBS/RBS	ALB04,05LBS/RBS	ALB06,07LBS/RBS
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•	•	•
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•	•	•
Centralised control systems	**DCC601A51** intelligent Tablet Controller	•	•	•	•	•	•	•	•	•
	DCS601C51 intelligent Touch Controller	•	•	•	•	•	•	•	•	•
	DCS302C51 Central remote control	•	•	•	•	•	•	•	•	•
	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	**DCM601A51** intelligent Touch Manager	•	•	•	•	•	•	•	•	•
	EKMBDXB Modbus interface	•	•	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)	ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A
	ePM10 75% (M5)	ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A
	ePM10 70% (M6)									
	ePM1 50% (F7)	ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A
	ePM1 60% (F7)									
	ePM_1 70% (F8)									
	ePM1 80% (F9)	ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A
	High efficiency filter									
	Replacement air filter									
Mechanical accessories	Rail						ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA
	Rectangular to round duct transition						ALA02RCA	ALA03RC	ALA05RCA	ALA07RCA
	Separate plenum									
CO_2 sensor		BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200
Electrical heater for pre treatment of fresh air		ATD03HEFBU	ATD04HEFBU	ATD05HEFBU	ATD06HEFBU	ATD07HEFBU	ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB
DX coil for post treatment of fresh air										
Silencer (900mm depth)		ATA0360A	ATA0460A	ATA0560A	ATA0660A	ATA0760A	ALS0290A	ALS0390A	ALS0590A	ALS0790A
Electrical accessories	Wiring adapter for external monitoring/ control (controls 1 entire system)									
	Adapter PCB for humidifier									
	Adapter PCB for third party heater									
	External wired temperature sensor									
	Adapter PCB Mounting plate									
	Installation box for adaptor PCB									

Notes

(1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, …; (intelligent Touch Manager, EKMBDXA are allowed)

(2) Installation box needed

(3) Adapter PCB mounting plate needed, applicable model can be found in the table above

(4) 3rd party heater and 3rd party humidifier cannot be combined

(5) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)

(6) Available only with optional plenum

Energy recovery ventilation - VAM									Energy recovery ventilation VKM			Air handling unit applications		
VAM 150FC9	VAM 250FC9	VAM 350J8	VAM 500J8	VAM 650J8	VAM 800J8	VAM 1000J8	VAM 1500J8	VAM 2000J8	VKM 50GBM	VKM 80GBM	VKM 100GBM	EKEQFCBA (1)	EKEQDCB (1)	EKEQMCBA (1)
•	•	•	•	•	•	•	•	•						
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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•	•	•	•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•			
		EKAFVJ50F6	EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2						
		EKAFVJ50F7	EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2						
		EKAFVJ50F8	EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2						
									KAF242H80M	KAF242H100M	KAF242H100M			
									KAF241H80M	KAF241H100M	KAF241H100M			
							EKPLEN200 (5)	EKPLEN200 (5)						
		BRYMA65	BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA100			
GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA35530 (6)		GSIEKA20024 (8)	GSIEKA20024 (8)	GSIEKA20024 (8)			
			EKVDX32A	EKVDX50A	EKVDX50A	EKVDX80A	EKVDX100A	EKVDX100A						
KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
									BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A	BRP4A50A	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
													KRCS01-1	
EKMP25VAM	EKMP25VAM			EKMP65VAM			EKMPVAM							
KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101						

Individual and centralised controls

	BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
Madoka Assistant app for advanced settings			●				
Electical box KJB111A	●	●	●				
Electical box KJB212A(A) (1)	●	●		●	●		
Electical box KJB311A(A)						●	
Electical box KJB411AA							●

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		intelligent Tablet Controller		
		Options for local control	**Daikin Cloud Service options**	**Software**
Wired screen for local control	AL-CCD07-VESA-1	●	–	–
Control and monitoring package		–	●	–
Remote support and diagnostics package		–	●	–
Advise and optimisation package		–	●	–
Commissioning tool		–	–	●
Software update tool		–	–	●

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information

Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	●
Digital pulse inputs (12) for PPD functionality	DAM412B51	●

Intelligent Touch Manager - DCM601B51

		Intelligent Manager	Daikin Cloud Service options (2)
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Only one adaptor can be connected (for more units, use DIII Plus Adaptor Slots)	DGE601A52	●	
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Up to 6 Adaptor Slots can be added to a DIII Plus Adaptor	DGE601A53		
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	●	
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	●	
iTM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	●	
iTM Energy navigator – Energy management option	DCM008A51	●	
iTM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/IP protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	●	
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	● Oracle Opera PMS	
Monitoring package			●
Remote support and diagnostics package			●
Advise and optimisation package			●

WAGO interface options for intelligent Touch Manager

Required or optional WAGO base modules

Module type	Model code	Specifications	
24 V DC power supply	787-712	100 to 240 V AC —> 24 V DC, 2.5 A	Required
Communications unit (Bus coupler)	WGDCMCPLR2	RS-485, Max:115.2kbps, not programmable	Required
Connector (1)	750-960		Required
Terminator module	750-600		Required
Power supply module	750-613	IN: 24 V DC, OUT: 5 V DC	Optional

Supported WAGO I/0 modules

I/0 module type	Model code	Specifications	N° of contacts
Di	750-400	No-voltage contact input Contact rating: 24 V DC / 4.5 mA"	2
	750-432		4
	750-430	No-voltage contact input Contact rating: 24 V DC / 2.8 mA	8
Do	750-513/000-001	No-voltage contact output Contact rating: 230 V AC / 30 V DC, 2 A	2
	750-504	No-voltage contact output Contact rating: 24 V DC / 0.5 A	4
Ai	750-454	Rated at 4 to 20 mA: 12-bit resolution	2
	750-455		4
	750-479	Rated at –10 to 10 V: 13-bit resolution	2
	750-459	Rated at 0 to 10 V: 12-bit resolution	4
Ao	750-554	Rated at 4 to 20 mA: 12-bit resolution	2
	750-555		4
	750-560	Rated at –10 to 10 V: 10-bit resolution	2
	750-559	Rated at 0 to 10 V: 12-bit resolution	4
Thermistor	750-461/020-000	NTC20K thermistor	2
	750-461	Pt 100/RTD	2
	750-460		4
	750-461/000-003	Pt 1000/RTD	2
	750-460/000-003		4
	50-461/000-004	Ni 100/RTD	2
	750-461/000-005	Ni1000 TK6180/RTD	2
	750-460/000-005		4
Pi	750-638	Minimum pulse width: 1 ms	2

(1) This connector must be attached to a communications unit that is connected to the RS485 port (2-pin) of the iTM unit.

(2) To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU.SB.5000072) and AC/DC converter (999175A) is needed.

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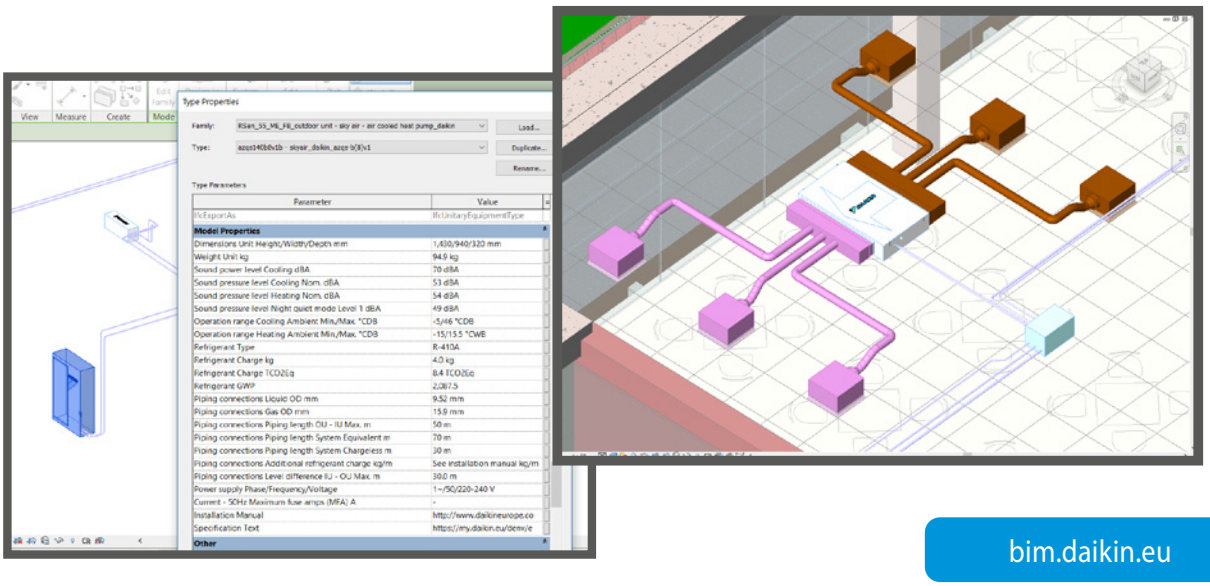

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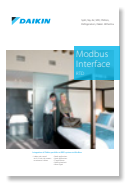

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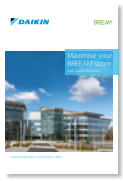

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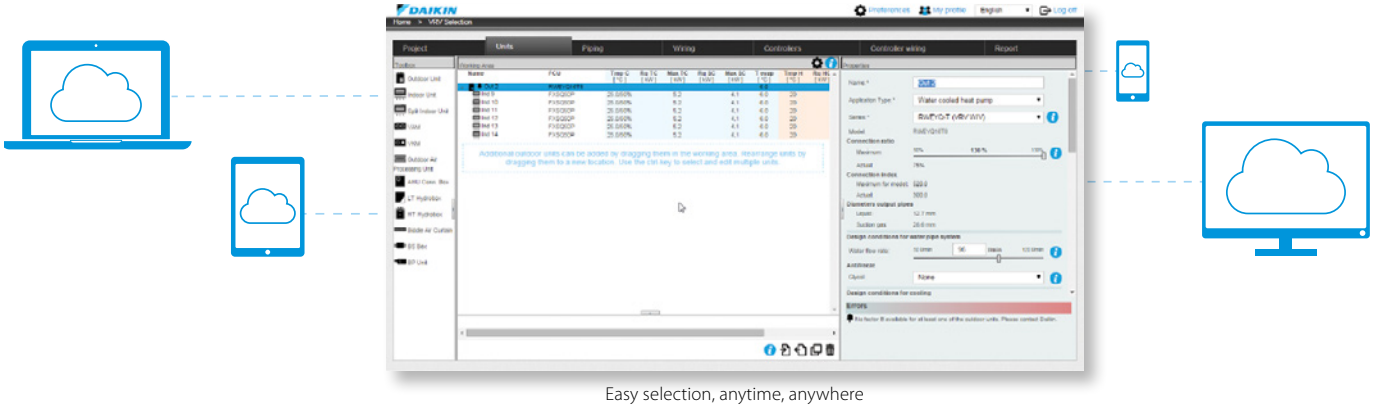
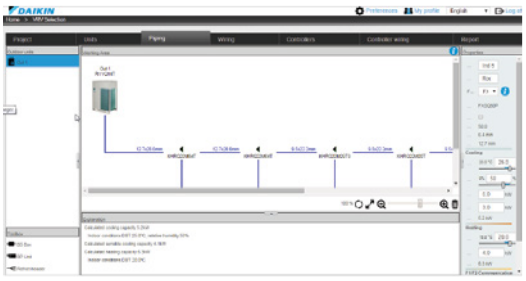
› No tool updates required (always latest version available)
› Possibility to copy / share projects

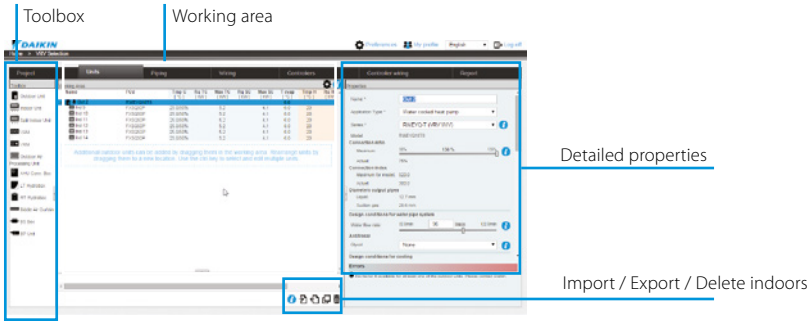


Easy selection, anytime, anywhere

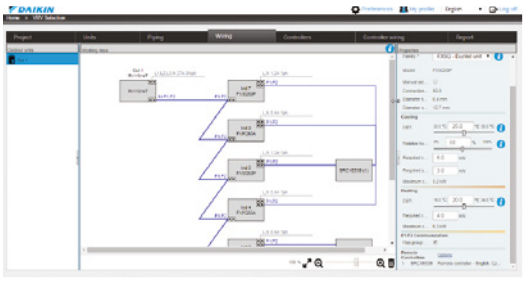
Main functions



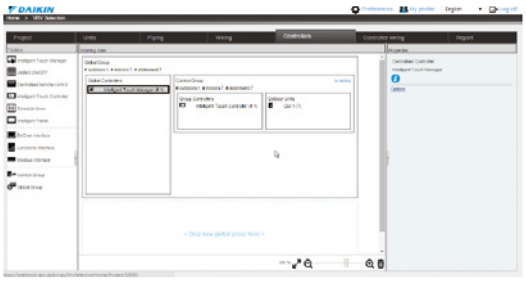
Easy editing of piping



Intuitive interface



Clear wiring overview, easy to make control groups



Clear overview of control groups and central controls

Integrated features

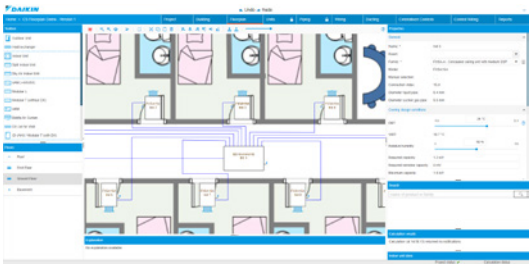
2D floorplan

How does it work?

1. Import 2D floorplan
2. Define reference point & scale
3. Position units
4. Draw pipes

--> Pipe lengths and heights are automatically determined!

› Accurate pipe design
› Work faster
› Easy compliance check

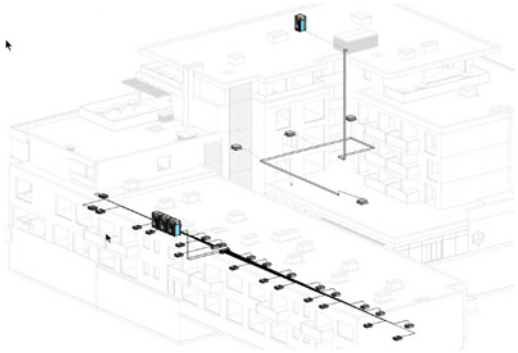


REVIT import

How does it work?

1. Design your building/rooms in revit
2. Define loads (optional)
3. Place Daikin BIM objects & Draw pipes
4. Export to Xpress
5. Xpress calculates

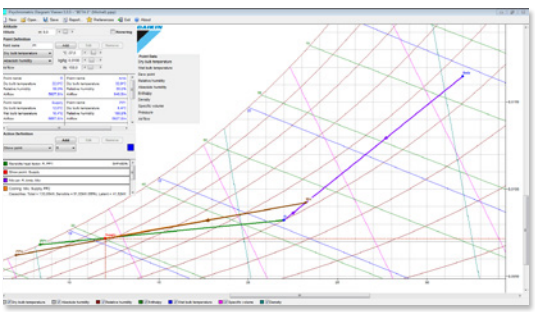
› Model selection
› Pipe diameters
› and validates selection



VRV Xpress integrates seamlessly with our ventilation selection softwares

Ventilation Xpress

Selection tool for ventilation devices (VAM, VKM). The selection is based on given supply/extract airflows (including fresh up and given ESP of supply/extract ducting:
› Determines size of electrical heaters
› Visualisation of psychrometric chart
› Visualisation of selected configuration
› Required field settings mentioned in the report



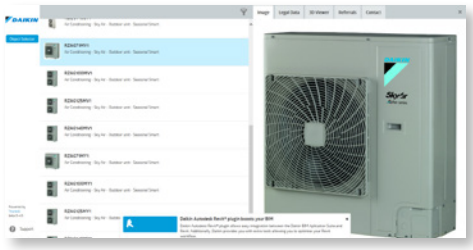
Webbased ASTRA selection for air handling units

A powerful tool to select the right Air Handling Units for your needs.
› 3D interface
› quick selection procedures
› new print-out possibilities and report shapes

Plugins and third-party software tools

Building Information Modelling (BIM) support

› BIM improves efficiency of design and build phase
› Daikin is among the first to supply a full library of BIM objects for its VRV products



www.daikin.eu/bim

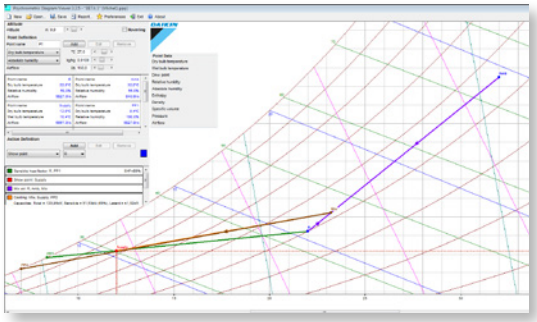
Energy simulation and design aid tools

Seasonal simulator

› The Seasonal Simulator is an innovative software tool that calculates and compares potential seasonal efficiency ratings.
› This user-friendly tool compares various Daikin systems, annual power consumption, CO_2 emissions, and much more, to present an accurate ROI calculation in a matter of minutes.

Psychrometrics diagram NEW

› The Psychrometrics Diagram Viewer demonstrates the changing properties of moist air.
› With this tool, users can choose two points with specific conditions, plot them on the diagram and select actions to change the conditions, i.e. heat, cool and mix air.



Software service tools

Error code app

Quickly know the meaning of fault codes, for each product family and the potential cause

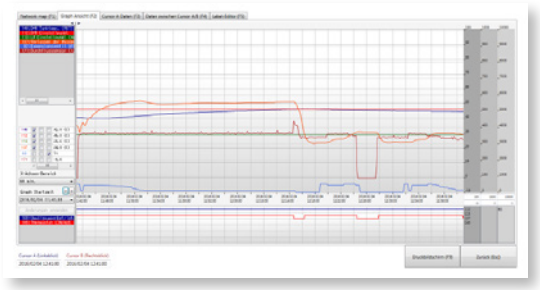
D-Checker

D-checker is a software application used to record and monitor operation data of Daikin applied, split, Multi-split, Sky-air units, Daikin Altherma LT, ground source heat pump, Hybrid, ZEAS, Conveni-pack & R410A Booster unit

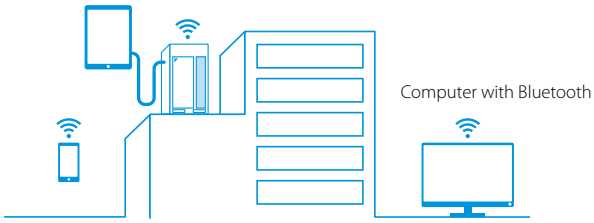
Bluetooth adaptor NEW

Monitoring of Split, Sky Air and VRV data via any bluetooth device

› No need to access the outdoor unit
- Connects with D-Checker software (for laptops)
- Connects with monitoring app (for tablets or smartphones)



Diagnosis of the Bluetooth system possible:



VRV Service-Checker

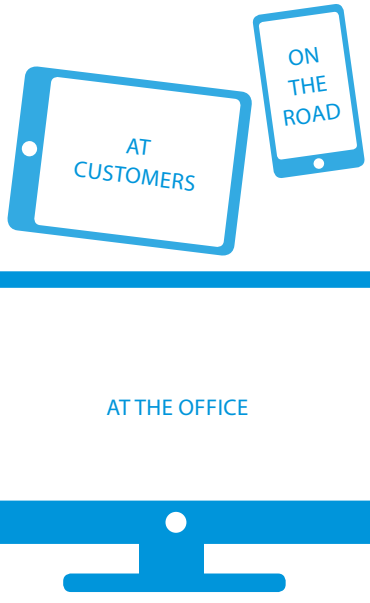
› Connected via F1/F2 bus to check multiple systems at the same time
› Connection of external pressure sensors possible

Online support

Business portal

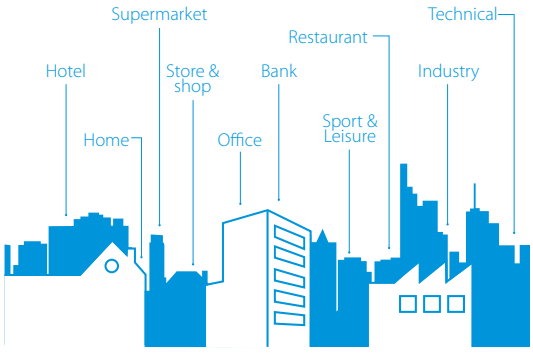
› Experience our new extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

my.daikin.eu



Internet

Find our solution for different applications:



› Get more commercial details on our flagship products via our dedicated minisites

› See our references

www.daikineurope.com/references

Over 30 years of
VRV History

R-22

1987

Introduction the original VRV air conditioning system to Europe, invented by Daikin in 1982

› Up to 6 indoor units connected to 1 outdoor unit

R-407C

1998

Launch inverter series with R-407C

› Up to 16 indoor units connected to 1 outdoor unit

2004

Expand to light commercial sector with VRVII-S

› Available in 4, 5, 6HP capacities

› 1 system can be installed in up to 9 rooms

2008

Launch of heat pump optimised for heating (VRV III-C)

› Extended operation down to -25C

› 2-stage compressor systems

1987 1991 1998 2003 2004 2005 2006-2007 2008

1991

Introduce VRV heat recovery

› Simultaneous cooling and heating

2003

Introduce VRVII-- the first R-410A VRF system

Available in cooling, heat pump and heat recovery

› 40 units connected to single refrigerant circuit

R-410A

2005

Extends VRVII inverter range with water cooled VRV-WIII

› Available in heat pump and heat recovery

2006-2007

Launch the extensively re-engineered VRVIII

› Available in cooling, heat pump and heat recovery

› Automatic charging and testing

› Up to 64 units connected to 1 system

2015

Launch of VRV IV S-series

› Most compact unit in the market
› Widest range in the market

2015

Launch of VRV IV i-series

› The invisible VRV
› Unique product concept

2011

Launch total solution concept

› Integrate hot water production and Biddle air curtains into VRV system
› Connectable to Daikin Emura and Nexura
› 400,000 outdoors units sold
› 2.2 million indoor units sold

2019

Launch of VRV IV+ series

› New compressor for increased seasonal efficiency
› Available in heat recovery, heat pump, optimised for heating and water-cooled versions

BLUEVOLUTION

2020

VRV 5 S-series

› Completely redesign unit for R-32 refrigerant
› Easier to handle and more flexible to install then ever!

2010 2011 2012 2015 2019 2020 2022

2010

Launch of replacement VRV (VRVIII-Q)

› Upgrade to replace older VRV units using R-22 refrigerant

2012-2014

Setting new standards with the launch of VRV IV

› 28% improved seasonal efficiency
› Continuous heating on heat pumps
› Available in heat pump, heat recovery, water-cooled and replacement series

Variable Refrigerant Temperature

2019

Launch of L∞P by Daikin

› Re-use of existing refrigerant
› Creating a circular economy of refrigerants

LOOP BY DAIKIN

2022

VRV 5 Heat Recovery

› Our sustainability hero
› Completely redesigned for R-32 refrigerant

BLUEVOLUTION

Technical drawings

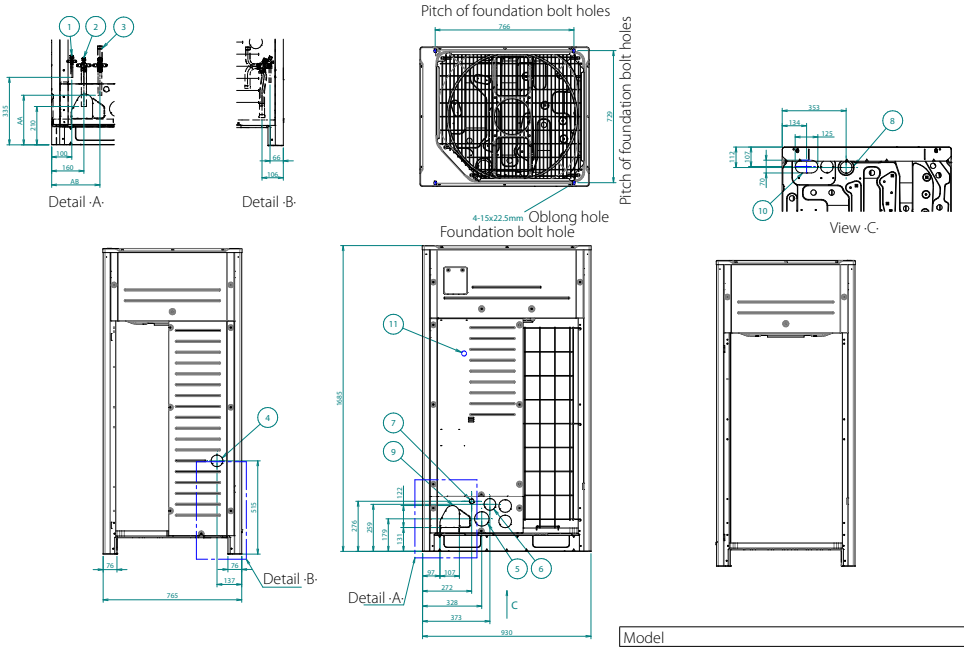
Outdoor units 244
Indoor units 275
Hot water 327
Biddle air curtains 332
Ventilation 335

Technical drawings

Outdoor units

REYA-A / REMA-A	245
BS-A14AV1B	247
RXYSA-AV1 / AY1	248
REYQ-U / REMQ-U / RYYQ-U / RYMQ-U / RXYQ-U / RXYQQ-U	251
RXYSCQ-TV1 / RXYSQ-TV9 / TY9 / TY1	253
RDXYQ-T(8) / RKXYQ-T(8)	263
RXMLQ-T - RXYLQ-T	265
RQCEQ-P3	266
RQYQ-P	267
RWEYQ-T9	269
BS1Q-A	270
BS-Q14AV1B	272

REYA8-12A / REMA5A



Model	AA	AB
RYYQ8-12U, RXYQ8-12U, RXYQQ8-12U,RXYTQ8U	-	-
REYA8-12A / REMA5A	240	240

NOTES

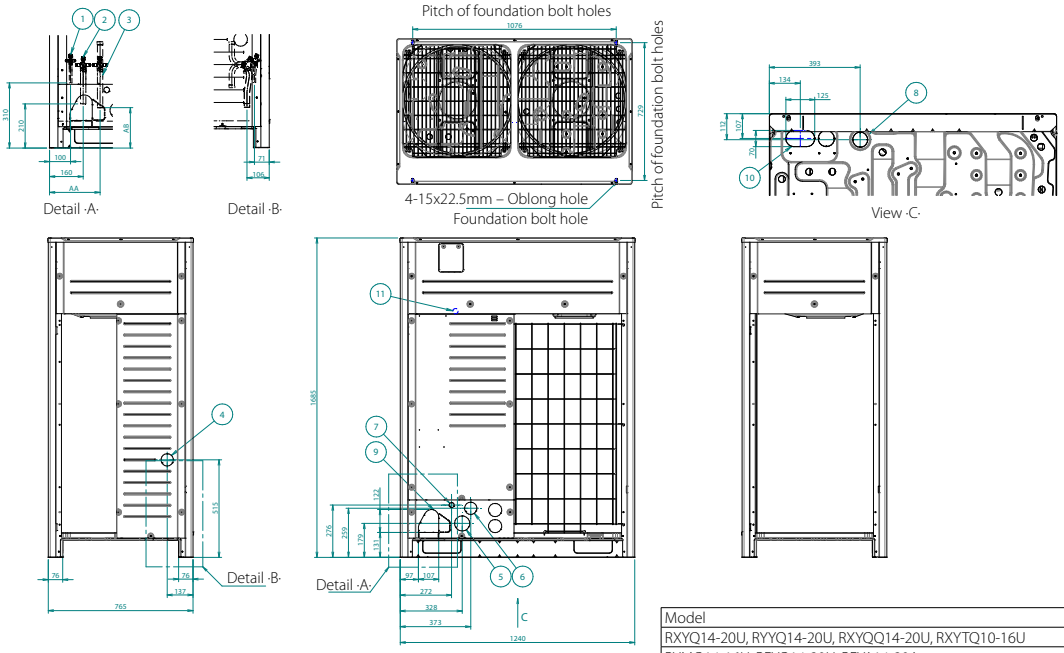
1. Detail ·A· and detail ·B· indicate the dimensions after fixing the attached piping.
2. Items ·4 – 10·: Knockout hole.
3. Gas pipe

RYYQ8U, RYMQ8U, RXYQ8U, RXYQQ8U, RXYTQ8U	Ø 19.1	brazing connection
RYYQ10U, RYMQ10U, RXYQ10U, RXYQQ10U	Ø 22.2	brazing connection
REMQ5U, REMA5A, REYQ8-12U, REYA8-12A	Ø 25.4	brazing connection
RYYQ12U, RYMQ12U, RXYQ12U, RXYQQ12U	Ø 28.6	brazing connection
Liquid pipe		
RYYQ8-10U, RYMQ8-10U, RXYQ8-10U, RXYQQ8-10U, REMQ5U, REMA5A, REYQ8-12U, REYA8-12A, RXYTQ8U	Ø 9.5	brazing connection
RYYQ12U, RYMQ12U, RXYQ12U, RXYQQ12U	Ø 12.7	brazing connection
Equalising pipe		
RYMQ8-10U	Ø 19.1	brazing connection
RYMQ12U	Ø 22.2	brazing connection
High pressure/low pressure gas pipe		
REMQ5U, REMA5A, REYQ8-12U, REYA8-12A	Ø 19.1	brazing connection

No.	Part name	Remark
1	Liquid pipe connection port	See note ·3·.
2	Gas pipe connection port	See note ·3·.
3	Equalising pipe connection port High pressure/low pressure gas pipe	See note ·3·.
4	Power cord routing hole (side)	Ø65
5	Power cord routing hole (front)	Ø80
6	Power cord routing hole (front)	Ø65
7	Power cord routing hole (front)	Ø27
8	Power cord routing hole (bottom)	Ø65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of the switch box (·M8·)

2D119001A

REYA14-20A



Model	AA	AB
RXYQ14-20U, RYYQ14-20U, RXYQQ14-20U, RXYTQ10-16U	-	-
RYMQ14-16U, REYQ14-20U, REYA14-20A	240	240
RYMQ18-20U	240	192

NOTES

1. Detail A and detail B indicate the dimensions after fixing the attached piping.
2. Items ·4 – 10·: Knockout hole.
3. Gas pipe

RXYTQ10U	Ø 22.2	brazing connection
REYQ14-20U, REYA14-20A	Ø 25.4	brazing connection
RYYQ14-20U, RYMQ14-20U RXYQ14-20U, RXYQQ14-20U, RXYTQ12-16U	Ø 28.6	brazing connection
Liquid pipe		
RXYTQ10U	Ø 9.5	brazing connection
RYYQ14-16U, RYMQ14-16U, RXYQ14-16U, RXYQQ14-16U, REYQ14-20U, REYA14-20A, RXYTQ12-16U	Ø 12.7	brazing connection
RYYQ18-20U, RYMQ18-20U, RXYQ18-20U, RXYQQ18-20U	Ø 15.9	brazing connection
Equalising pipe		
RYMQ14-16U	Ø 22.2	brazing connection
RYMQ18-20U	Ø 28.6	brazing connection
High pressure/low pressure gas pipe		
REYQ14-20U, REYA14-20A	Ø 19.1	brazing connection

No.	Part name	Remark
1	Liquid pipe connection port	See note 3.
2	Gas pipe connection port	See note 3.
3	Equalising pipe connection port High pressure/low pressure gas pipe	See note 3.
4	Power cord routing hole (side)	Ø65
5	Power cord routing hole (front)	Ø80
6	Power cord routing hole (front)	Ø65
7	Power cord routing hole (front)	Ø27
8	Power cord routing hole (bottom)	Ø65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of the switch box (M8)

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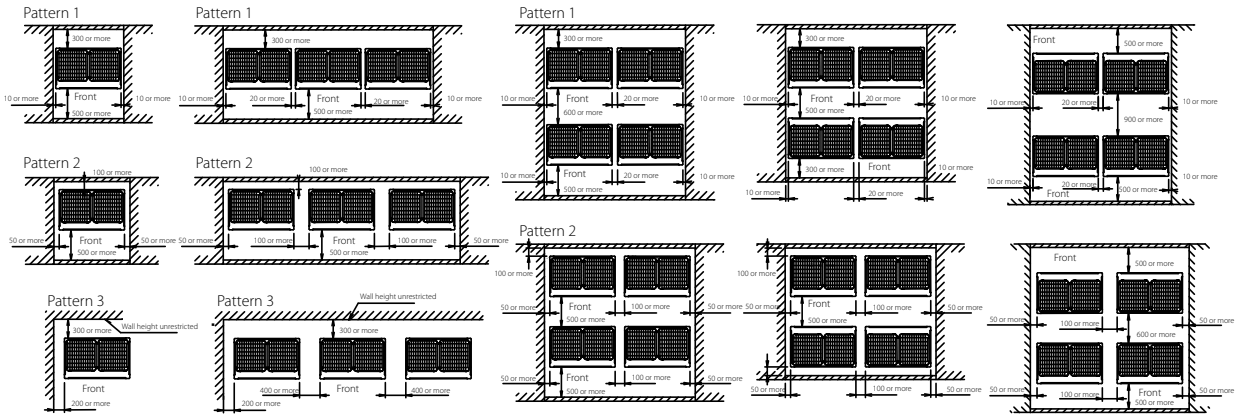
CLICK HERE TO VIEW ALL REYA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

CLICK HERE TO VIEW ALL REMA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

REYA-A / REMA-A

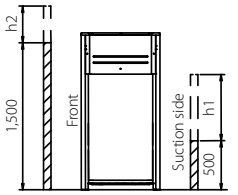
For single unit installation | For installation in rows | For centralised group layout



< Unit: mm >

NOTES

1. Height of the walls in case of patterns 1 and 2:
   Front: 1,500mm
   Suction side: 500mm
   Side: height unrestricted
   The installation space shown on this drawing is based on cooling operation at 35°C (outdoor temperature).
   When the design outdoor ambient temperature exceeds 35°C or the load exceeds maximum ability of much generation load of heat in all outdoor unit, make sure the suction-side space is broader than the space shown on this drawing.
2. If the walls are higher than mentioned above, then additional service space is needed:
   - suction side: service space + h1/2
   - front side: service space + h2/2
3. When installing the units, select the pattern that best fits the available space.
   Always keep in mind to leave sufficient space for a person to pass between unit and wall and for the air to circulate freely.
   Provide sufficient space at the front to connect refrigerant piping (comfortably).
4. If more units are to be installed than are catered for in the above patterns, your layout should take into account of the possibility of short circuits.



< Unit: mm >

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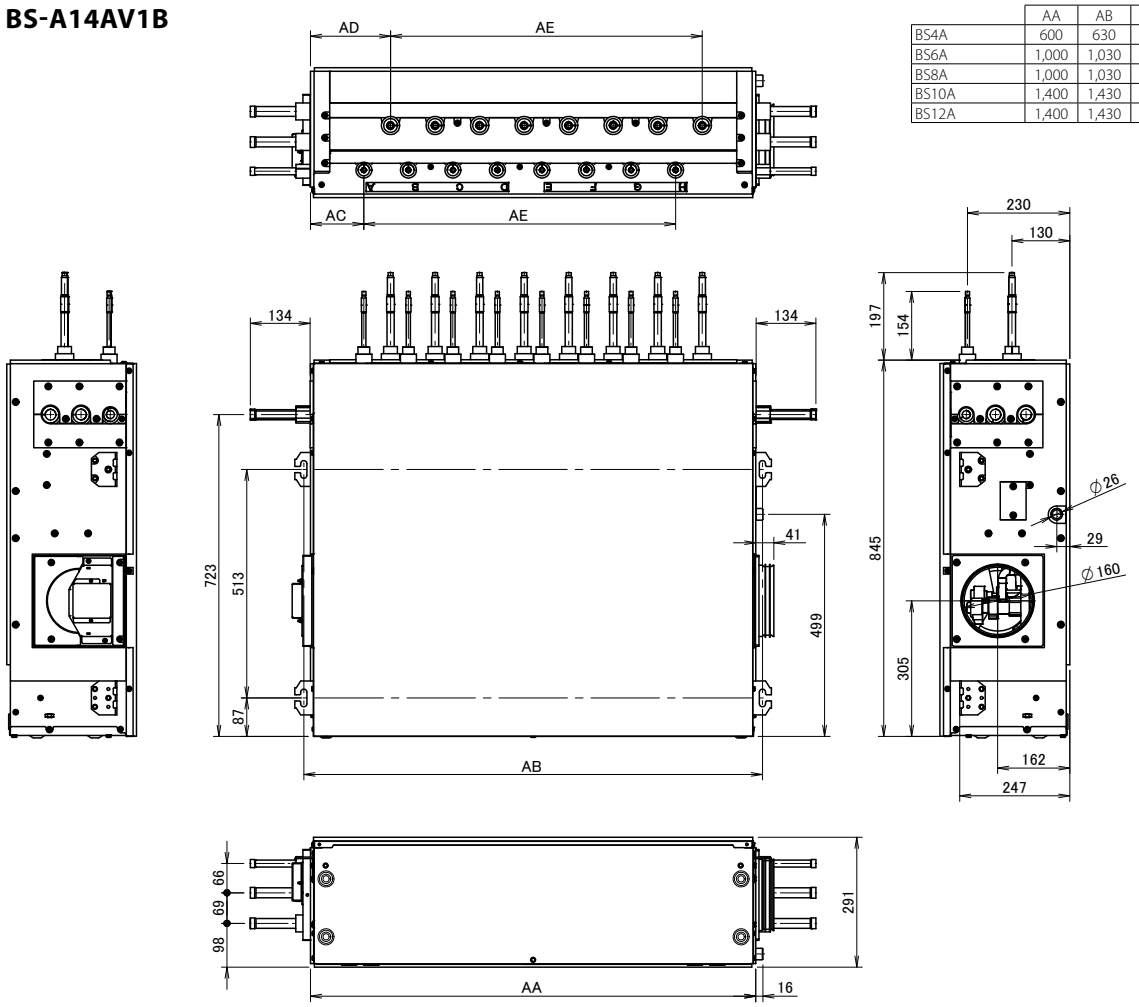
BS-A14AV1B

	AA	AB	AC	AD	AE
BS4A	600	630	120	180	3 X 100 = 300
BS6A	1,000	1,030	120	280	5 X 100 = 500
BS8A	1,000	1,030	120	180	7 X 100 = 700
BS10A	1,400	1,430	220	280	9 X 100 = 900
BS12A	1,400	1,430	120	180	11 X 100 = 1,100



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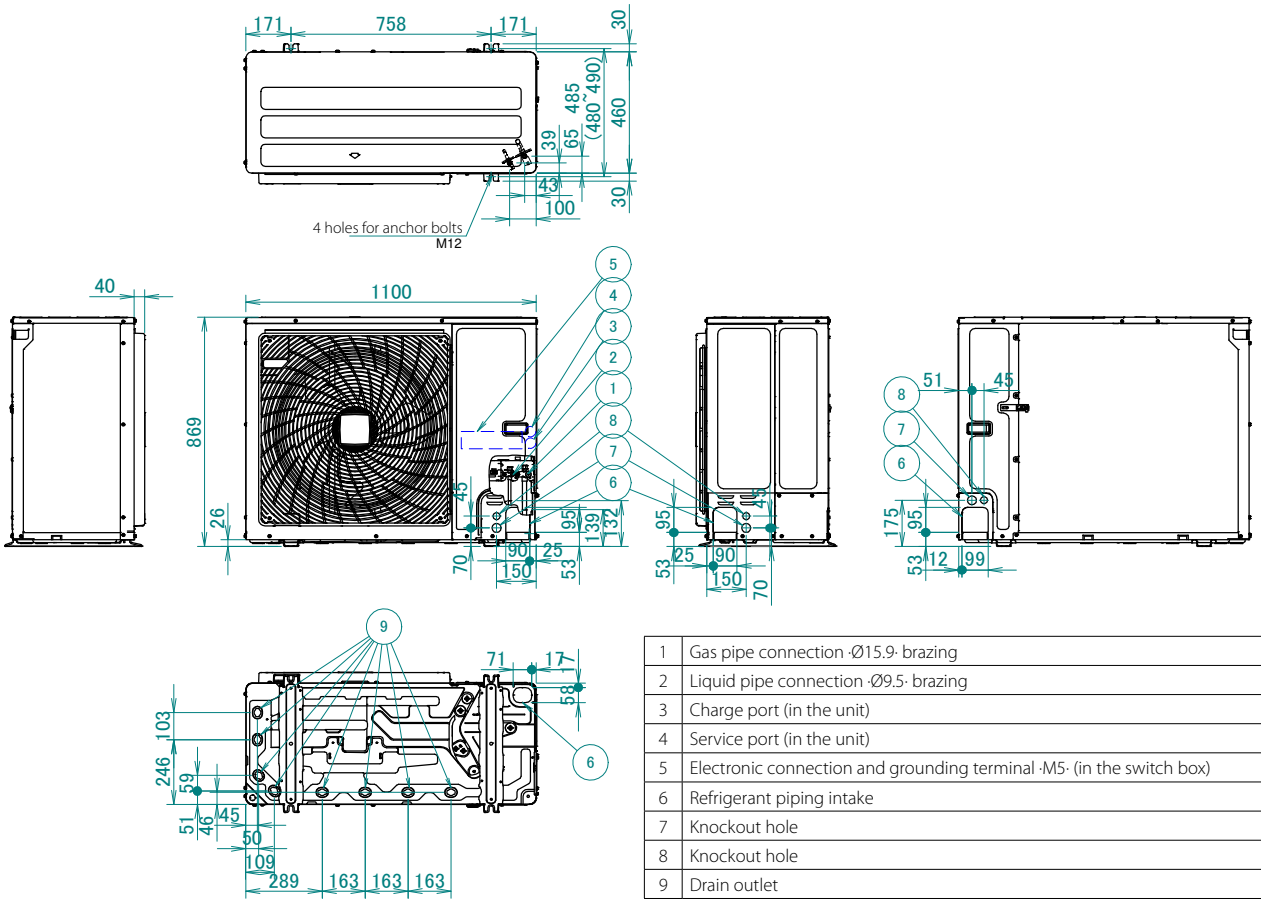
RXYSA-AV1/AY1



1	Gas pipe connection ·Ø15.9· brazing
2	Liquid pipe connection ·Ø9.5· brazing
3	Charge port (in the unit)
4	Service port (in the unit)
5	Electronic connection and grounding terminal ·M5· (in the switch box)
6	Refrigerant piping intake
7	Knockout hole
8	Knockout hole
9	Drain outlet

3D127871A

RXYSA-AV1/AY1

Single unit (■) | Single row of units (■■■)

Suction side

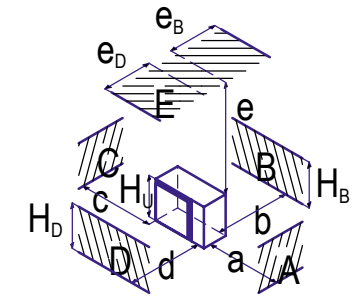
In the illustration below, the service space at the suction side is based on 35°C DB and cooling operation. Foresee more space in the following cases:

- When the suction side temperature regularly exceeds this temperature.
- When the heat load of the outdoor units is expected to regularly exceed the maximum operating capacity.

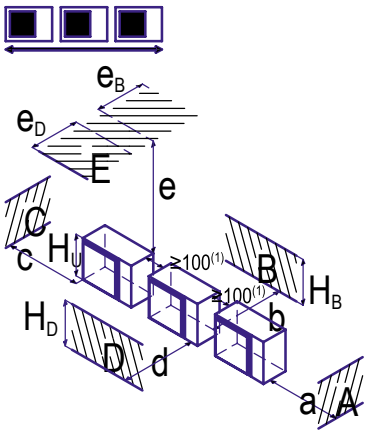
Discharge side

Take refrigerant piping work into account when positioning the units. If your lay out does not match with any of the layouts below, contact your dealer.

Single unit (■) | Single row of units (■■■)



A~E	Hb Hd Hu		(mm) a	b	c	d	e	eB	eD	
B	-			≥ 100						
A,B,C	-		≥ 100(1)	≥ 100	≥ 100					
B,E	-			≥ 100			≥ 1,000		≤500	
A,B,C,E	-		≥ 150(1)	≥ 150	≥ 150		≥ 1,000		≤500	
D	-					≥ 500				
D,E	-					≥ 500	≥ 1,000	≤500		
B,D	Hd>Hu			≥ 100		≥ 500				
	Hd≤Hu			≥ 100		≥ 500				
B,D,E	Hd>Hu	Hb≤½Hu		≥ 250		≥ 750	≥ 1,000	≤500		1
		½Hu>Hb≤Hu		≥ 250		≥ 1,000	≥ 1,000	≤500		
		Hb>Hu	⊘							
	Hd≤Hu	Hd≤½Hu		≥ 100		≥ 1,000	≥ 1,000		≤500	
		½Hu<Hd≤Hu		≥ 200		≥ 1,000	≥ 1,000		≤500	
		Hd>Hu	⊘							



A,B,C	-		≥ 200(1)	≥ 300 ≥	1,000					
A,B,C,E	-		≥ 200(1)	≥ 300	≥ 1,000		≥ 1,000		≤500	
D	-					≥ 1,000				
D,E	-					≥ 1,000	≥ 1,000	≤500		
B,D	Hd>Hu			≥ 300		≥ 1,000				
	Hd≤Hu	Hd≤½Hu		≥ 250		≥ 1,500				
		½Hu<Hd≤Hu		≥ 300		≥ 1,500				
B,D,E	Hd>Hu	Hb≤½Hu		≥ 300		≥ 1,000	≥ 1,000	≤500		1+2
		½Hu<Hb≤Hu		≥ 300		≥ 1,250	≥ 1,000	≤500		
		Hb>Hu	⊘							
	Hd≤Hu	Hd≤½Hu		≥ 250		≥ 1,500	≥ 1,000		≤500	
		½Hu<Hd≤Hu		≥ 300		≥ 1,500	≥ 1,000		≤500	
		Hd>Hu	⊘							

(1)	For better serviceability, use a distance ≥250 mm
A,B,C,D	Obstacles (walls/baffle plates)
E	Obstacle (roof)
a,b,c,d,e	Minimum service space between the unit and obstacles A, B, C, D and E
e_B	Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle B
e_D	Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle D
Hu	Height of the unit
Hb,Hd	Height of obstacles B and D
1	Seal the bottom of the installation frame to prevent discharged air from flowing back to the suction side through the bottom of the unit.
2	Maximum two units can be installed.
⊘	Not allowed

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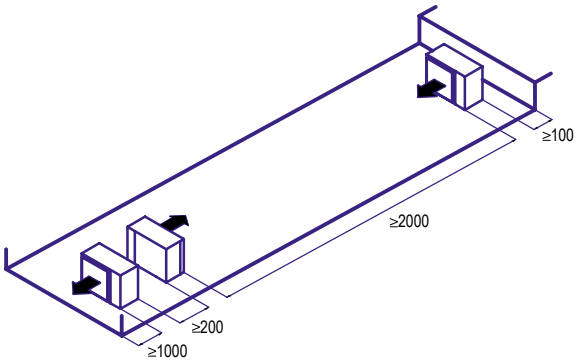
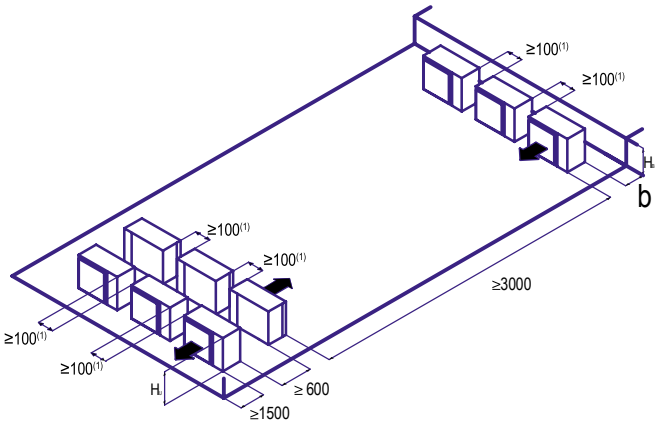
RXYSA-AV1/AY1

Multiple rows of units ( )

Multiple rows of units ( )





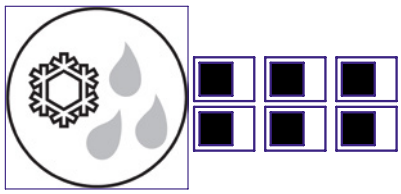
Hb Hu	b (mm)
Hb≤½Hu	b≥250
½Hu<Hb≤Hu	b≥ 300
Hb>Hu	⊘

(1) For better serviceability, use a distance ≥250 mm
⊘ Not allowed

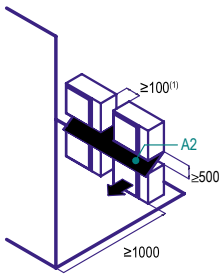
Stacked units (max.2 levels) ( )

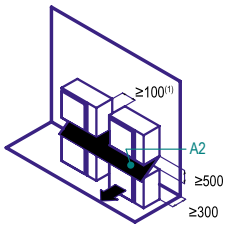
Stacked units (max.2 levels) ( )

A1

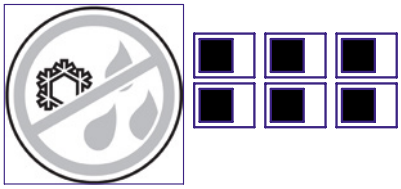


A2

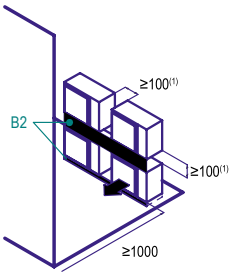


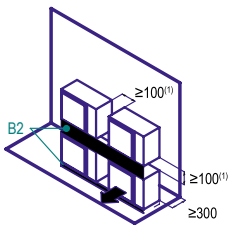


B1



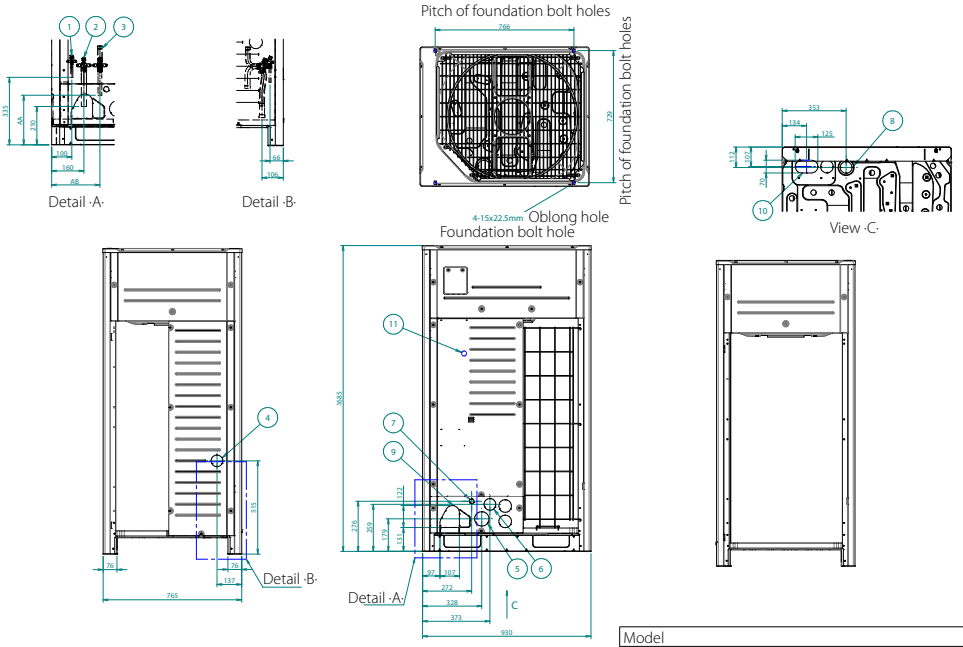
B2





(1) For better serviceability, use a distance ≥250 mm
A1=>A2 (A1) If there is danger of drainage dripping and freezing between the upper and lower units…
(A2) Then install a roof between the upper and lower units. Install the upper unit high enough above the lower unit to prevent ice buildup at the upper unit's bottom plate.
B1=>B2 (B1) If there is no danger of drainage dripping and freezing between the upper and lower units…
(B2) Then it is not required to install a roof, but seal the gap between the upper and lower units to prevent discharged air from flowing back to the suction side through the bottom of the unit.

REMQ5U / REYQ8-12U / RXYQQ8-12U / RXYQ8-12U / RYYQ8-12U / RYMQ8-12U / RXYTQ8UYF



Model	AA	AB
RYYQ8-12U, RXYQ8-12U, RXYQQ8-12U,RXYTQ8U	-	-
REYA8-12A / REMA5A	240	240

NOTES

1. Detail ·A· and detail ·B· indicate the dimensions after fixing the attached piping.
2. Items ·4 – 10·: Knockout hole.
3. Gas pipe

RYYQ8U, RYMQ8U, RXYQ8U, RXYQQ8U, RXYTQ8U	Ø 19.1	brazing connection
RYYQ10U, RYMQ10U, RXYQ10U, RXYQQ10U	Ø 22.2	brazing connection
REMQ5U, REMA5A, REYQ8-12U, REYA8-12A	Ø 25.4	brazing connection
RYYQ12U, RYMQ12U, RXYQ12U, RXYQQ12U	Ø 28.6	brazing connection
Liquid pipe		
RYYQ8-10U, RYMQ8-10U, RXYQ8-10U, RXYQQ8-10U, REMQ5U, REMA5A, REYQ8-12U, REYA8-12A, RXYTQ8U	Ø 9.5	brazing connection
RYYQ12U, RYMQ12U, RXYQ12U, RXYQQ12U	Ø 12.7	brazing connection
Equalising pipe		
RYMQ8-10U	Ø 19.1	brazing connection
RYMQ12U	Ø 22.2	brazing connection
High pressure/low pressure gas pipe		
REMQ5U, REMA5A, REYQ8-12U, REYA8-12A	Ø 19.1	brazing connection

No.	Part name	Remark
1	Liquid pipe connection port	See note ·3·.
2	Gas pipe connection port	See note ·3·.
3	Equalising pipe connection port High pressure/low pressure gas pipe	See note ·3·.
4	Power cord routing hole (side)	Ø65
5	Power cord routing hole (front)	Ø80
6	Power cord routing hole (front)	Ø65
7	Power cord routing hole (front)	Ø27
8	Power cord routing hole (bottom)	Ø65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of the switch box (·M8·)

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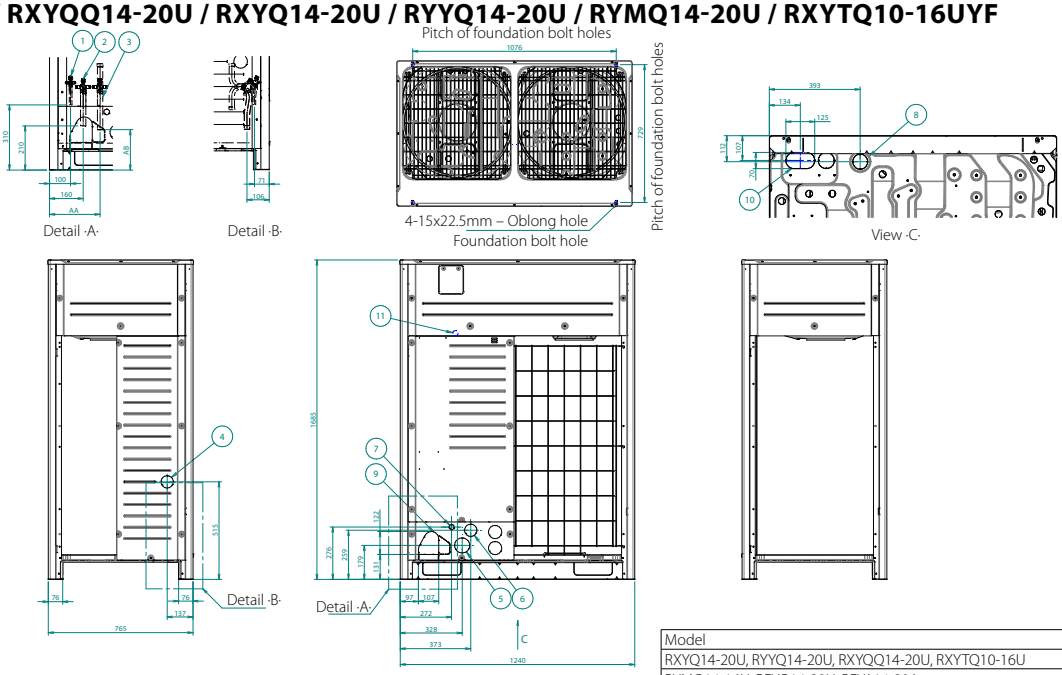
REYQ14-20U / RXYQQ14-20U / RXYQ14-20U / RYYQ14-20U / RYMQ14-20U / RXYTQ10-16UYF



Model	AA	AB
RXYQ14-20U, RYYQ14-20U, RXYQQ14-20U, RXYTQ10-16U	-	-
RYMQ14-16U, REYQ14-20U, REYA14-20A	240	240
RYMQ18-20U	240	192

NOTES

1. Detail A and detail B indicate the dimensions after fixing the attached piping.
2. Items ·4 – 10·: Knockout hole.
3. Gas pipe

RXYTQ10U	Ø 22.2	brazing connection
REYQ14-20U, REYA14-20A	Ø 25.4	brazing connection
RYYQ14-20U, RYMQ14-20U RXYQ14-20U, RXYQQ14-20U, RXYTQ12-16U	Ø 28.6	brazing connection
Liquid pipe		
RXYTQ10U	Ø 9.5	brazing connection
RYYQ14-16U, RYMQ14-16U, RXYQ14-16U, RXYQQ14-16U, REYQ14-20U, REYA14-20A, RXYTQ12-16U	Ø 12.7	brazing connection
RYYQ18-20U, RYMQ18-20U, RXYQ18-20U, RXYQQ18-20U	Ø 15.9	brazing connection
Equalising pipe		
RYMQ14-16U	Ø 22.2	brazing connection
RYMQ18-20U	Ø 28.6	brazing connection
High pressure/low pressure gas pipe		
REYQ14-20U, REYA14-20A	Ø 19.1	brazing connection

No.	Part name	Remark
1	Liquid pipe connection port	See note 3.
2	Gas pipe connection port	See note 3.
3	Equalising pipe connection port High pressure/low pressure gas pipe	See note 3.
4	Power cord routing hole (side)	Ø65
5	Power cord routing hole (front)	Ø80
6	Power cord routing hole (front)	Ø65
7	Power cord routing hole (front)	Ø27
8	Power cord routing hole (bottom)	Ø65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of the switch box (M8)

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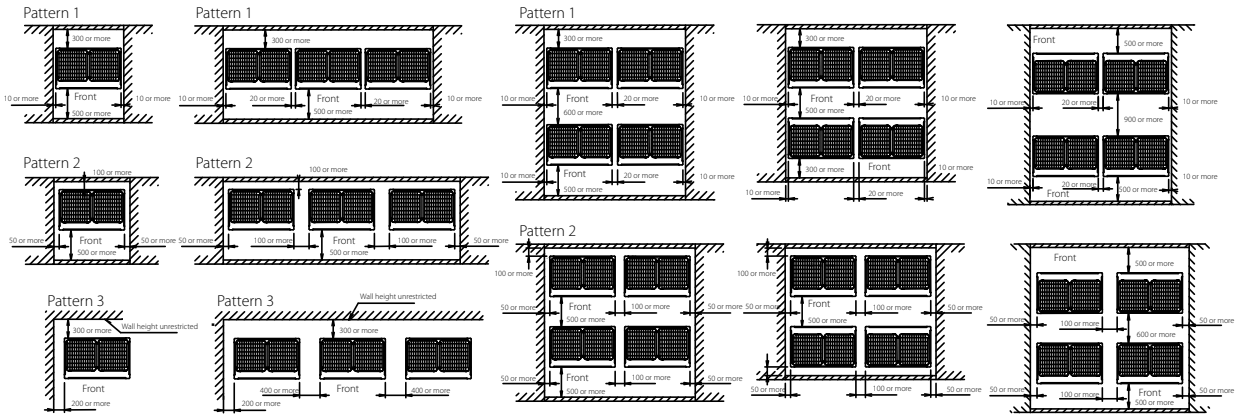
REMQ-U / REYQ-U / RXYQQ-U / RXYQ-U / RYYQ-U / RYMQ-U / RXYTQ-UYF

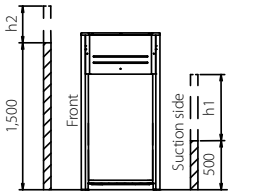
For single unit installation | For installation in rows | For centralised group layout



< Unit: mm >

NOTES

1. Height of the walls in case of patterns 1 and 2:
   Front: 1,500mm
   Suction side: 500mm
   Side: height unrestricted
   The installation space shown on this drawing is based on cooling operation at 35°C (outdoor temperature).
   When the design outdoor ambient temperature exceeds 35°C or the load exceeds maximum ability of much generation load of heat in all outdoor unit, make sure the suction-side space is broader than the space shown on this drawing.
2. If the walls are higher than mentioned above, then additional service space is needed:
   - suction side: service space + h1/2
   - front side: service space + h2/2
3. When installing the units, select the pattern that best fits the available space.
   Always keep in mind to leave sufficient space for a person to pass between unit and wall and for the air to circulate freely.
   Provide sufficient space at the front to connect refrigerant piping (comfortably).
4. If more units are to be installed than are catered for in the above patterns, your layout should take into account of the possibility of short circuits.



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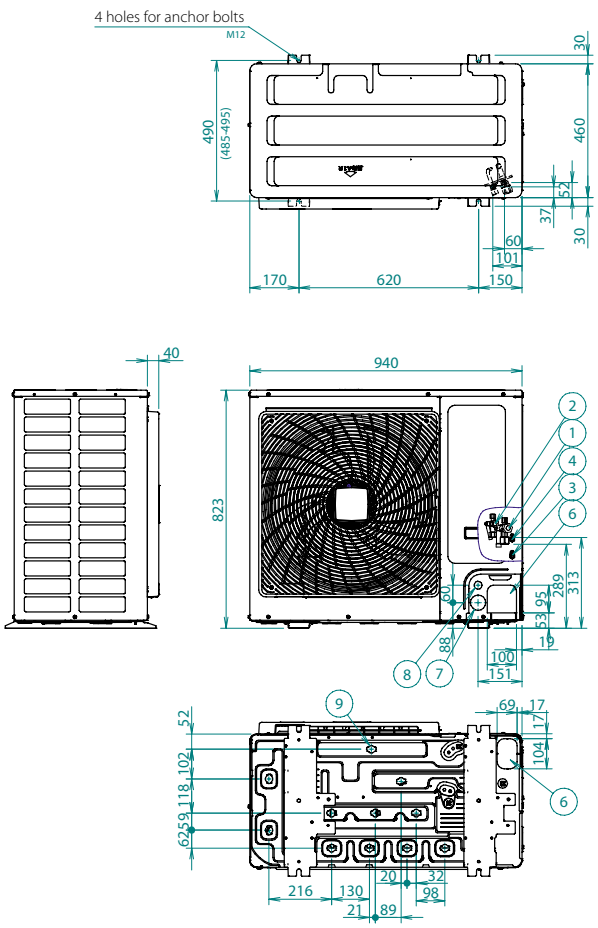
RXYSCQ-TV1



1	Gas pipe connection ·AA· flare
2	Liquid pipe connection ·Ø9.52· brazing
3	Service port (in the unit) High pressure
4	Service port (in the unit) Additional refrigerant charge
5	Grounding terminal Inside of the switch box (·M5·)
6	Refrigerant piping intake (knockout hole)
7	Power supply wiring intake (knockout hole ·Ø53·)
8	Control wiring intake (knockout hole ·Ø27·)
9	Drain pipe connection (outside diameter ·Ø26·)

Model	AA
RXYSCQ4TMV1B	Ø15.9
RXYSCQ5TMV1B	Ø15.9
RXYSCQ6TMV1B	Ø19.1

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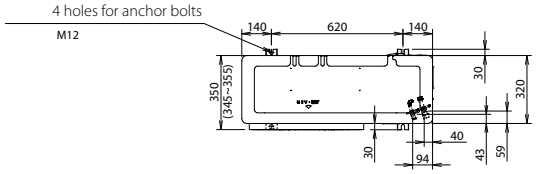
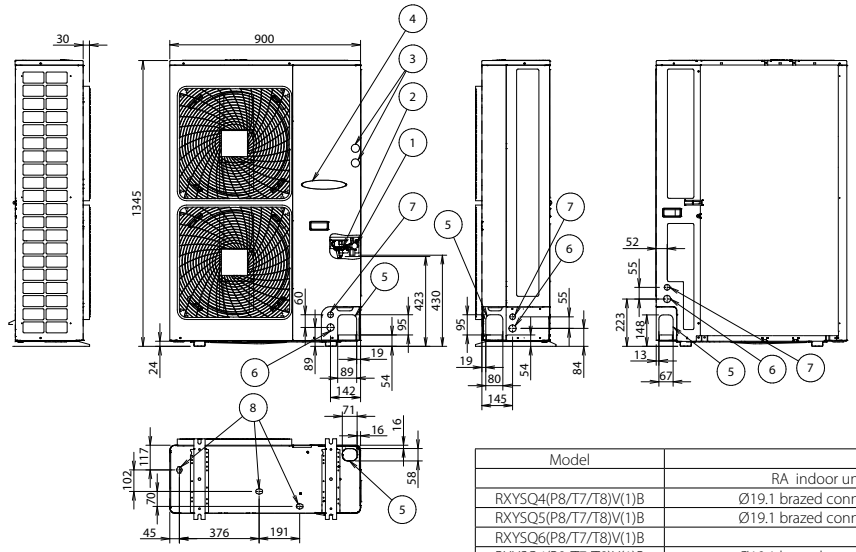
RXYSQ-TV9 / TY9



1	Gas pipe connection A
2	Liquid pipe connection Ø9.5 flare
3	(2X) Service port (in the unit)
4	Electronic connection and grounding terminal M5 (in the switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (knockout hole Ø34)
7	Control wiring intake (knockout hole Ø27)
8	Drain outlet



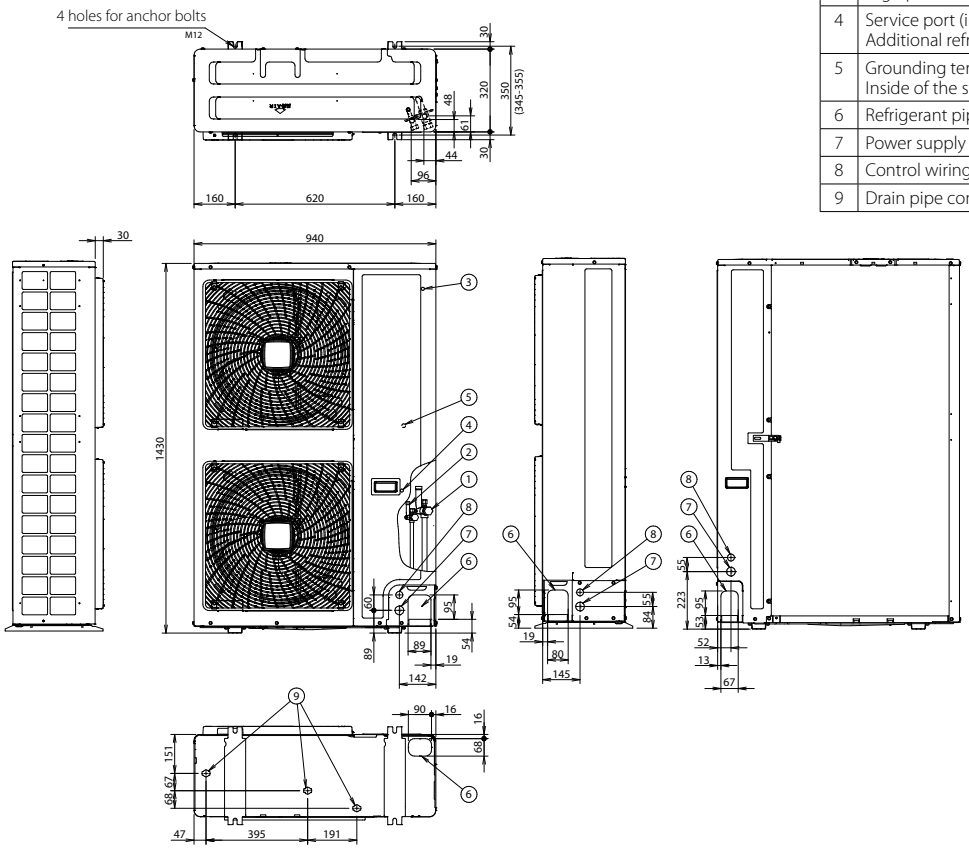
Model	A
RMXS112E8V1B	Ø19.1 brazed connection
RMXS140E8V1B	Ø19.1 brazed connection
RMXS160E8V1B	Ø19.1 brazed connection
RXYSQ4PA7V1B	Ø15.9 flared connection
RXYSQ5PA7V1B	Ø15.9 flared connection
RXYSQ6PA7V1B	Ø19.1 brazed connection
ERX100A9V1B	Ø15.9 flared connection
ERX125A9V1B	Ø15.9 flared connection
ERX140A9V1B	Ø19.1 brazed connection
GCA100BD4	Ø15.9 flared connection
GCA125BD4	Ø15.9 flared connection
GCA140BD4	Ø19.1 brazed connection
RXYSQ4PA7Y1B	Ø15.9 flared connection
RXYSQ5PA7Y1B	Ø15.9 flared connection
RXYSQ6PA7Y1B	Ø19.1 brazed connection

Model	A	
	RA indoor unit	VRV indoor unit
RXYSQ4(P8/T7/T8)V(1)B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ5(P8/T7/T8)V(1)B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ6(P8/T7/T8)V(1)B	Ø19.1 brazed connection	
RXYSQ4(P8/T7/T8)Y(1)B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ5(P8/T7/T8)Y(1)B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ6(P8/T7/T8)Y(1)B	Ø19.1 brazed connection	

3TW30374-1E

RXYSQ8TY1

1	Gas pipe connection Ø19.1 brazing
2	Liquid pipe connection Ø9.52 brazing
3	Service port (in the unit) High pressure
4	Service port (in the unit) Additional refrigerant charge
5	Grounding terminal Inside of the switch box (M5)
6	Refrigerant piping intake (knockout hole)
7	Power supply wiring intake (knockout hole Ø34)
8	Control wiring intake (knockout hole Ø27)
9	Drain pipe connection (outside diameter Ø26)



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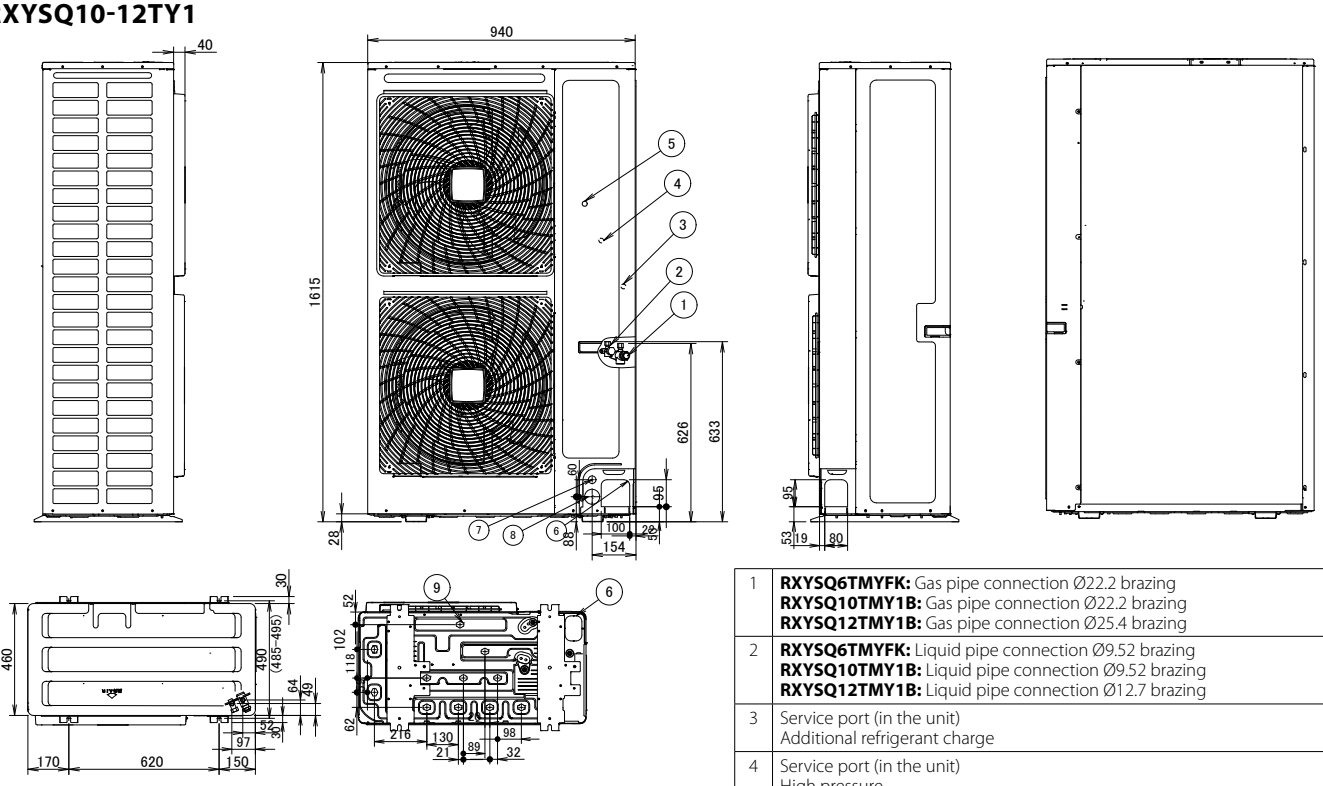
RXYSQ10-12TY1



1	**RXYSQ6TMYFK:** Gas pipe connection Ø22.2 brazing **RXYSQ10TMY1B:** Gas pipe connection Ø22.2 brazing **RXYSQ12TMY1B:** Gas pipe connection Ø25.4 brazing
2	**RXYSQ6TMYFK:** Liquid pipe connection Ø9.52 brazing **RXYSQ10TMY1B:** Liquid pipe connection Ø9.52 brazing **RXYSQ12TMY1B:** Liquid pipe connection Ø12.7 brazing
3	Service port (in the unit) Additional refrigerant charge
4	Service port (in the unit) High pressure
5	Grounding terminal Inside of the switch box (M8)
6	Refrigerant piping intake (knockout hole)
7	Control wiring intake (knockout hole Ø27)
8	Power supply wiring intake (knockout hole Ø53)
9	Drain pipe connection (outside diameter Ø26)

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RXYSCQ-TV1

Required installation space

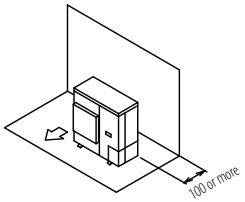
The unit of the values is mm.

1. Where there is an obstacle on the suction side:

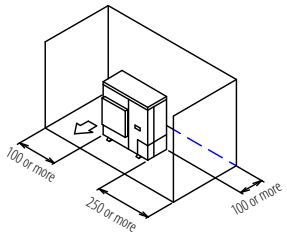
(a) No obstacle above

(1) Stand-alone installation

- Obstacle on the suction side only

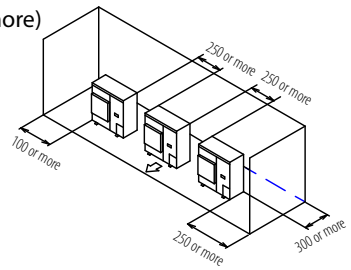


- Obstacle on both sides



(2) Series installation (2 or more)

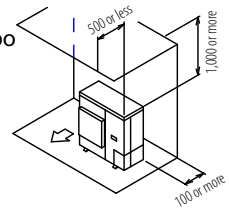
- Obstacle on both sides



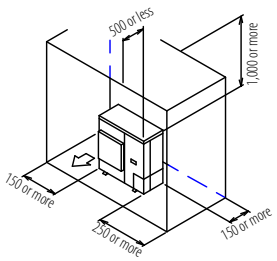
(b) Obstacle above, too

(1) Stand-alone installation

- Obstacle on the suction side, too

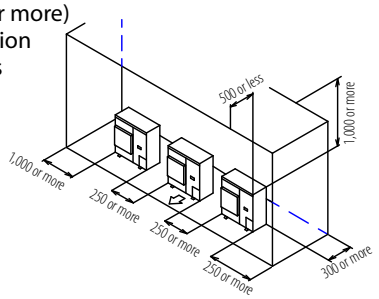


- Obstacle on the suction side and both sides



(2) Series installation (2 or more)

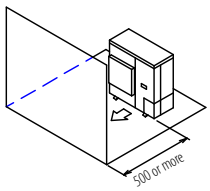
- Obstacle on the suction side and both sides



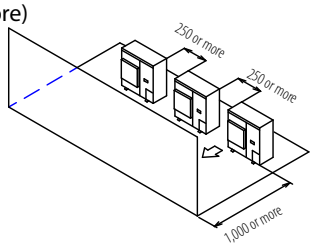
2. Where there is an obstacle on the discharge side:

(a) No obstacle above

(1) Stand-alone installation

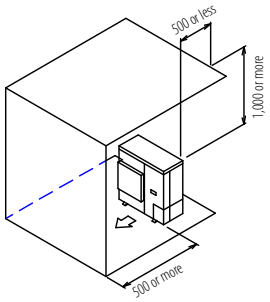


(2) Series installation (2 or more)

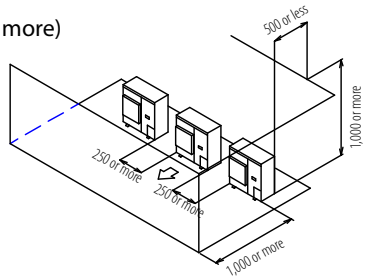


(b) Obstacle above, too

(1) Stand-alone installation



(2) Series installaton (2 or more)



3. Where there are obstacles on both suction and discharge sides:

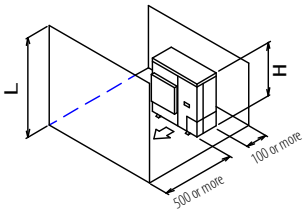
Pattern 1

Where the obstacles on the discharge side is higher than the unit:
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above

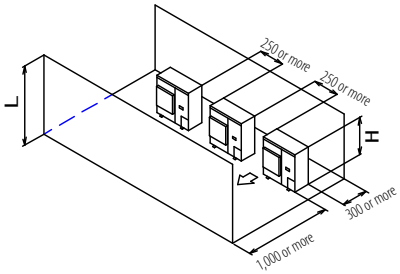
(1) Stand-alone installation

L > H



(2) Series installation (2 or more)

L > H



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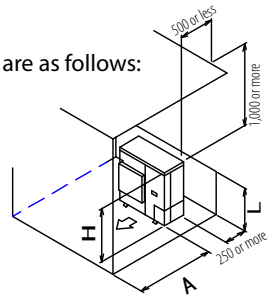
RXYSCQ-TV1

(b) Obstacle above, too

(1) Stand-alone installation
The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	750
	1/2H < L ≤ H	1,000
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

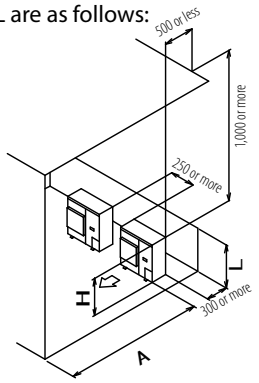


(2) Series installation (2 or more)
The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000
	1/2H < L ≤ H	1,250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.



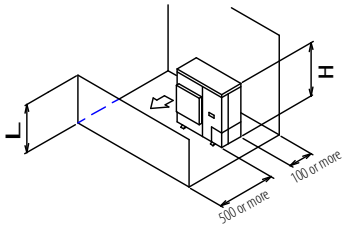
Pattern 2

Where the obstacles on the discharge side is lower than the unit: (There is no height limit for obstructions on the intake side.)

(a) No obstacle above

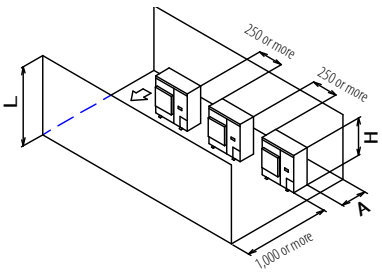
(1) Stand-alone installation

L ≤ H



(2) Series installation (2 or more)
The relations between H, A and L are as follows.

L	A
0 < L ≤ 1/2H	250
1/2H < L ≤ H	300

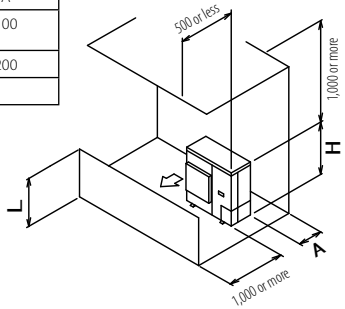


(b) Obstacle above, too

(1) Stand-alone installation
The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	100
	1/2H < L ≤ H	200
H < L	Set the stand as: L ≤ H.	

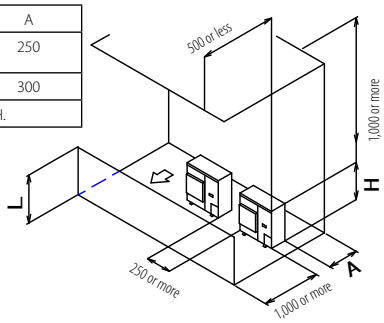
Close the bottom of the installation frame to prevent the discharged air from being bypassed.



(2) Series installation
The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Set the stand as: L ≤ H.	

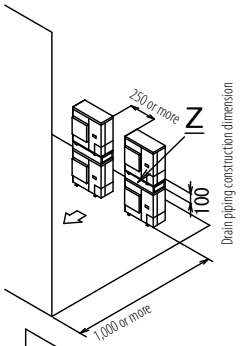
Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.



4. Double-decker installation

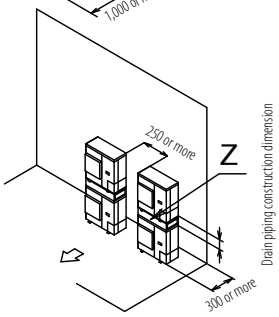
(a) Obstacle on the discharge side

Close the gap Z (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.
Do not stack more than two unit.



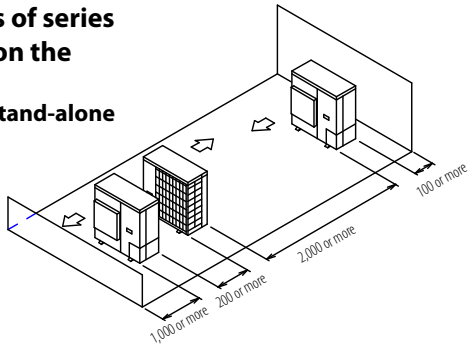
(b) Obstacle on the suctions side

Close the gap Z (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.
Do not stack more than two unit.



5. Multiple rows of series installation (on the rooftop, etc.)

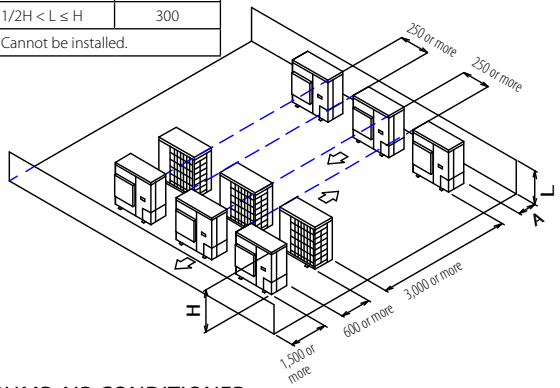
(a) One row of stand-alone installation



(b) Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Cannot be installed.	



<HEAT PUMP AIR CONDITIONER>
INVERTER TYPE

3D089310D

RXYSQ-TV9/TY9

Required installation space

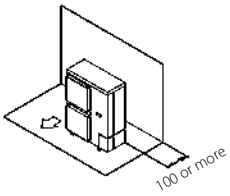
The unit of the values is mm.

(A) When there are obstacles on suction sides

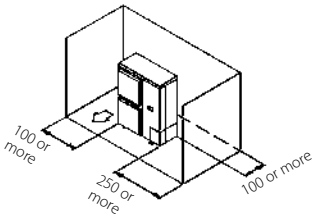
- **No obstacle above**

① Stand-alone installation

- Obstacle on the suction side only

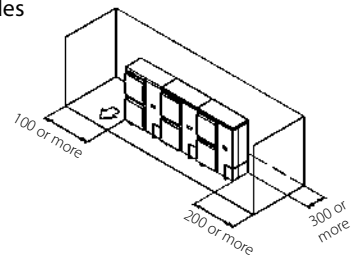


- Obstacle on both sides



② Series installation (2 or more)

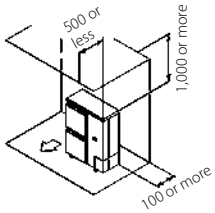
- Obstacle on both sides



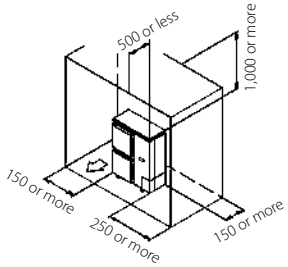
- **Obstacle above, too**

① Stand-alone installation

- Obstacle on the suction side, too

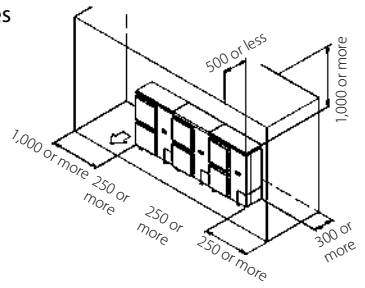


- Obstacle on the suction side, and both sides



② Series installation (2 or more)

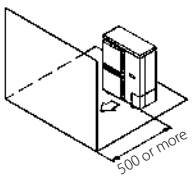
- Obstacle on the suction side, and both sides



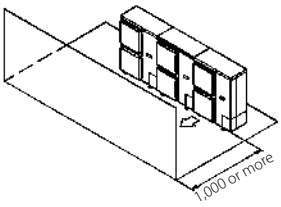
(B) When there are obstacles on discharge sides

- **No obstacle above**

① Stand-alone installation

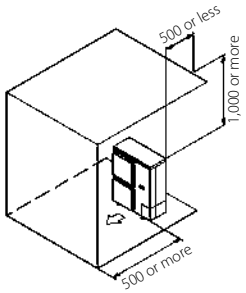


② Series installation (2 or more)

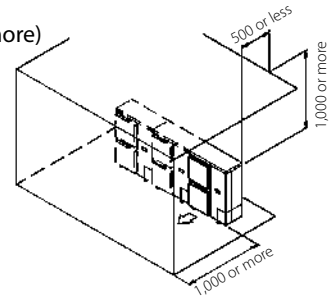


- **Obstacle above, too**

① Stand-alone installation



② Series installaton (2 or more)



(C) When there are obstacles on both suction and discharge sides

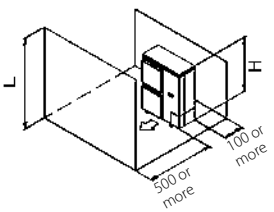
Pattern 1

Where the obstacles on the discharge side is higher than the unit: (There is no height limit for obstructions on the intake side.)

- **No obstacle above**

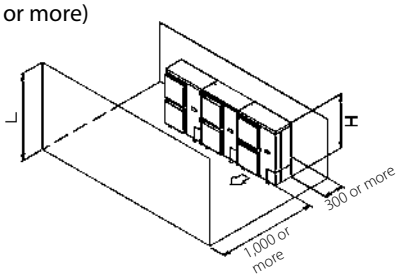
① Stand-alone installation

L > H



② Series installation (2 or more)

L > H



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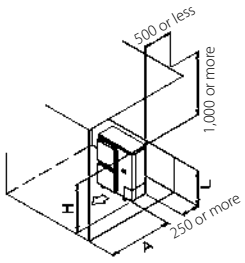
RXYSQ-TV9/TY9

- **Obstacle above, too**

① Stand-alone installation
The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	750
	1/2H < L ≤ H	1,000
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

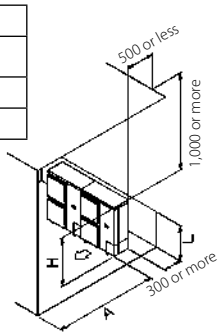


② Series installation (2 or more)
The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000
	1/2H < L ≤ H	1,250
H < L	Set the stand as: L ≤ H.	

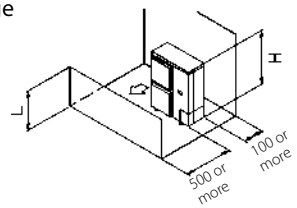
Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.



Pattern 2

When the obstacles on the discharge side is lower than the unit:
(There is no height limit for obstructions on the intake side.)



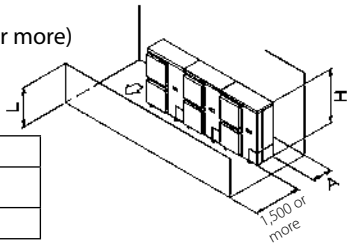
- **No obstacle above**

① Stand-alone installation

L ≤ H

② Series installation (2 or more)
The relations between H, A and L are as follows.

L	A
0 < L ≤ 1/2H	250
1/2H < L ≤ H	300

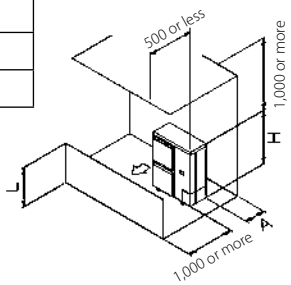


- **Obstacle above, too**

① Stand-alone installation
The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	100
	1/2H < L ≤ H	200
H < L	Set the stand as: L ≤ H.	

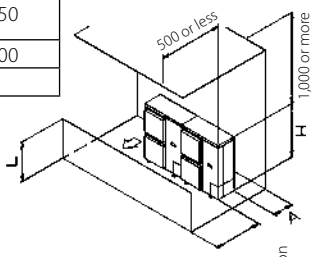
Close the bottom of the installation frame to prevent the discharged air from being bypassed.



② Series installation
The relations between H, A and L are as follows.

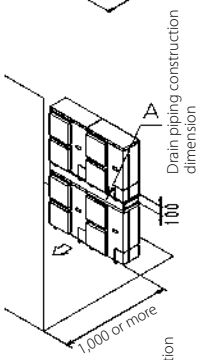
	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.

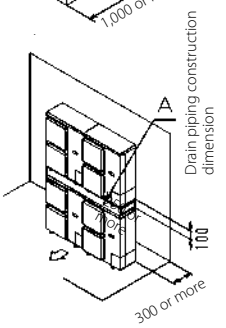


(D) Double-decker installation

① Obstacle on the discharge side
Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.
Do not stack more than two unit.

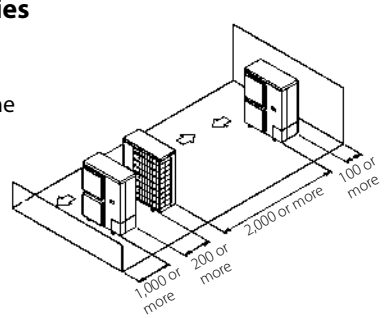


② Obstacle on the suctions side
Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.
Do not stack more than two unit.



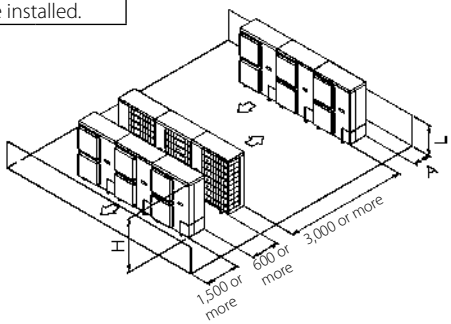
(E) Multiple rows of series installation (on the rooftop, etc.)

① One row of stand-alone installation



② Rows of series installation (2 or more)
The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Cannot be installed.	



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RXYSQ8TY1

Required installation space

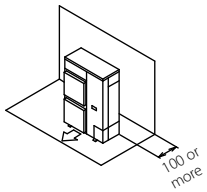
The unit of the values is mm.

1. Where there is an obstacle on the suction side:

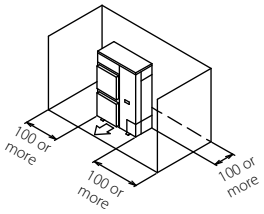
(a) No obstacle above

(1) Stand-alone installation

• Obstacle on the suction side only

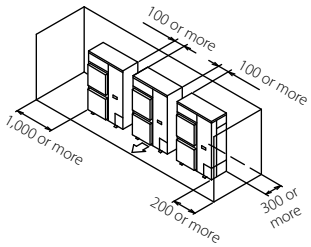


• Obstacle on both sides



(2) Series installation (2 or more) (note)

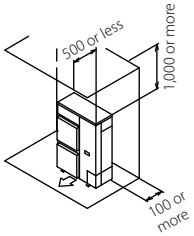
• Obstacle on both sides



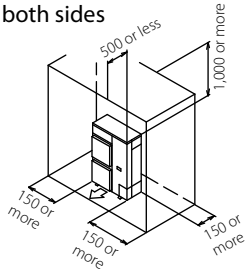
(b) Obstacle above, too

(1) Stand-alone installation

• Obstacle on the suction side, too

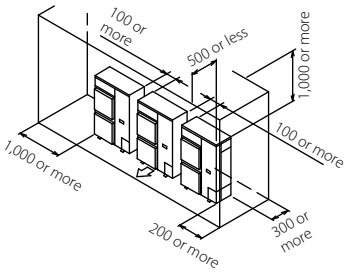


• Obstacle on the suction side and both sides



(2) Series installation (2 or more) (note)

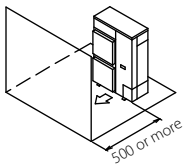
• Obstacle on the suction side and both sides



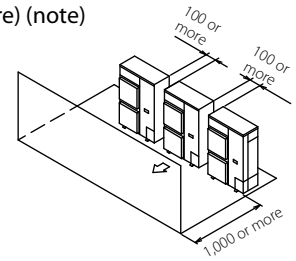
2. Where there is an obstacle on the discharge side:

(a) No obstacle above

(1) Stand-alone installation

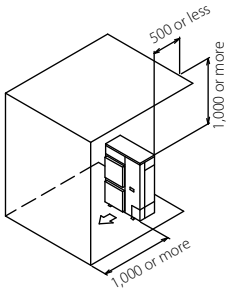


(2) Series installation (2 or more) (note)

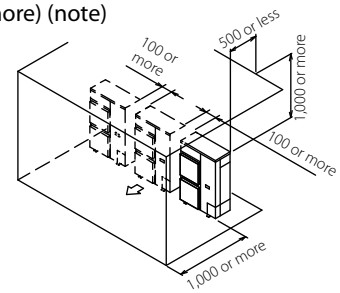


(b) Obstacle above, too

(1) Stand-alone installation



(2) Series installaton (2 or more) (note)



3. Where there are obstacles on both suction and discharge sides:

Pattern 1

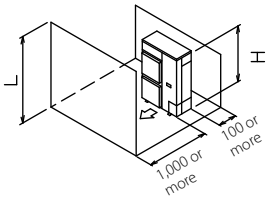
Where the obstacles on the discharge side is higher than the unit:

(There is no height limit for obstructions on the intake side.)

(a) No obstacle above

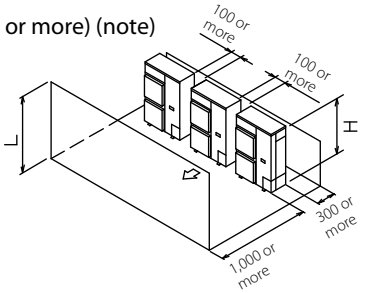
(1) Stand-alone installation

L > H



(2) Series installation (2 or more) (note)

L > H



CLICK HERE TO VIEW ALL RXYSQ-TY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RXYSQ8TY1

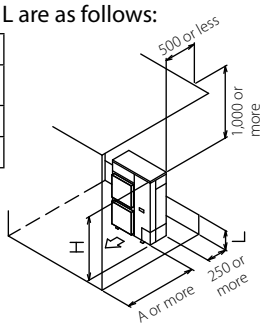
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000
	1/2H < L ≤ H	1,250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.



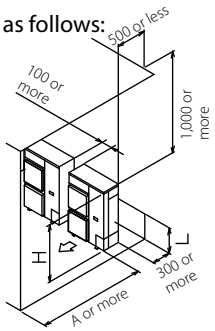
(2) Series installation (2 or more) (note)

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000
	1/2H < L ≤ H	1,250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.



Pattern 2

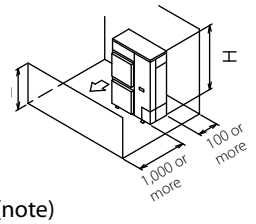
Where the obstacles on the discharge side is lower than the unit:

(There is no height limit for obstructions on the intake side.)

(c) No obstacle above

(1) Stand-alone installation

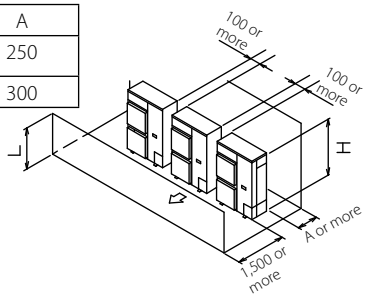
L ≤ H



(2) Series installation (2 or more) (note)

The relations between H, A and L are as follows.

L	A
0 < L ≤ 1/2H	250
1/2H < L ≤ H	300



(d) Obstacle above, too

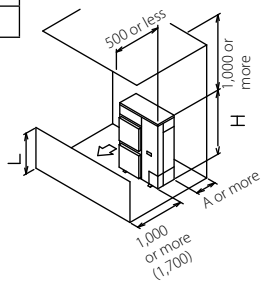
(1) Stand-alone installation

The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	100
	1/2H < L ≤ H	200
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

If the distance exceed the figure in the ( ), then it's no need to set the stand.



(2) Series installation (note)

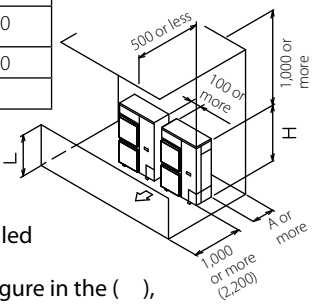
The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.

If the distance exceed the figure in the ( ), then it's no need to set the stand.



4. Double-decker installation

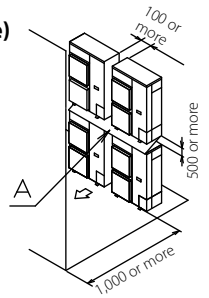
(a) Obstacle on the discharge side (note)

Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two unit.

Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.

Leave the enough space between the layer one and the board.



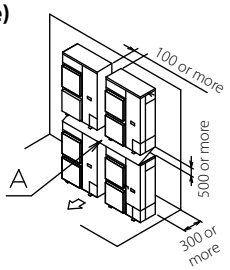
(b) Obstacle on the suctions side (note)

Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two unit.

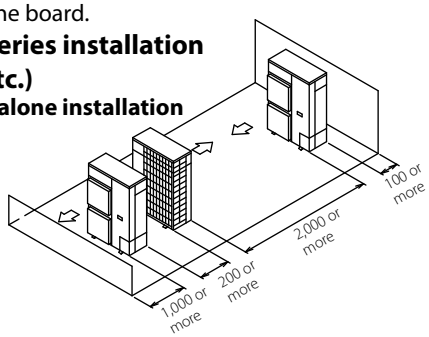
Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.

Leave the enough space between the layer one and the board.



5. Multiple rows of series installation (on the rooftop, etc.)

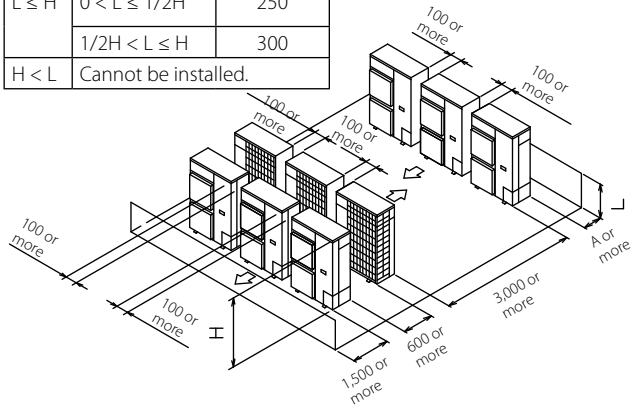
(a) One row of stand-alone installation



(b) Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Cannot be installed.	



OUTDOOR UNIT FOR VRV SYSTEM

NOTES

When install the units in a line, have to leave the distance over 100mm between the two units.

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RXYSQ10-12TY1

Required installation space

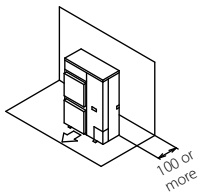
The unit of the values is mm.

1. Where there is an obstacle on the suction side:

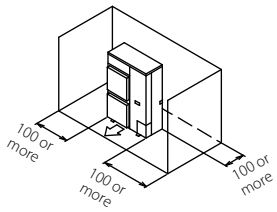
(a) No obstacle above

(1) Stand-alone installation

- Obstacle on the suction side only

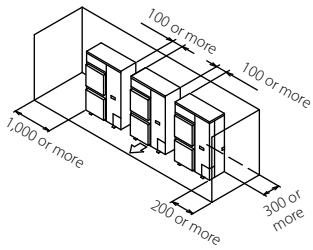


- Obstacle on both sides



(2) Series installation (2 or more) (note)

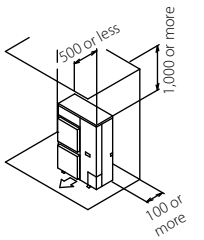
- Obstacle on both sides



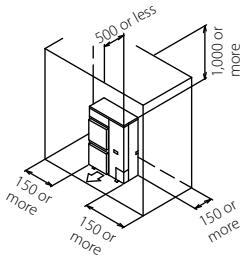
(b) Obstacle above, too

(1) Stand-alone installation

- Obstacle on the suction side, too

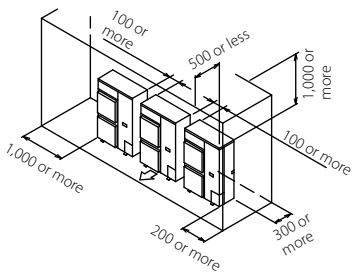


- Obstacle on the suction side and both sides



(2) Series installation (2 or more) (note)

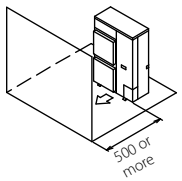
- Obstacle on the suction side and both sides



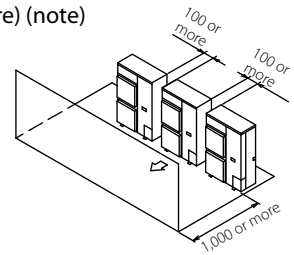
2. Where there is an obstacle on the discharge side:

(a) No obstacle above

(1) Stand-alone installation

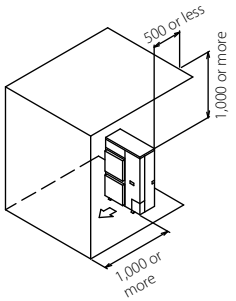


(2) Series installation (2 or more) (note)

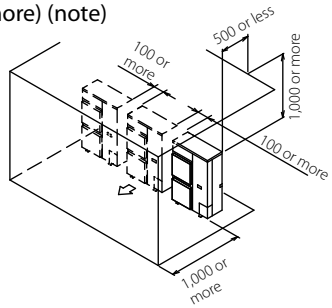


(b) Obstacle above, too

(1) Stand-alone installation



(2) Series installaton (2 or more) (note)



3. Where there are obstacles on both suction and discharge sides:

Pattern 1

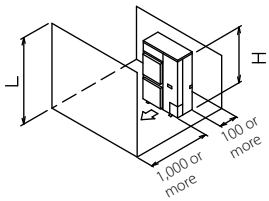
Where the obstacles on the discharge side is higher than the unit:

(There is no height limit for obstructions on the intake side.)

(a) No obstacle above

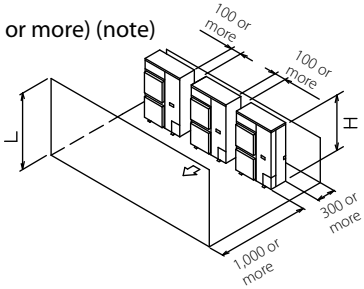
(1) Stand-alone installation

L > H



(2) Series installation (2 or more) (note)

L > H



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RXYSQ10-12TY1

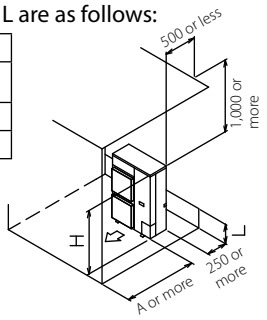
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000
	1/2H < L ≤ H	1,250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.



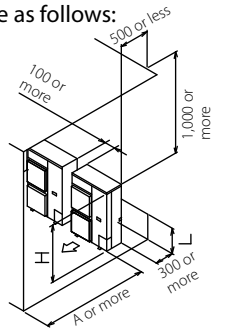
(2) Series installation (2 or more) (note)

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000
	1/2H < L ≤ H	1,250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.



Pattern 2

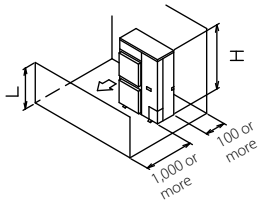
Where the obstacles on the discharge side is lower than the unit:

(There is no height limit for obstructions on the intake side.)

(c) No obstacle above

(1) Stand-alone installation

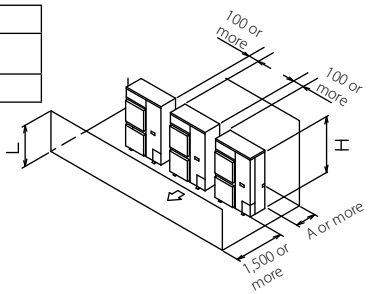
L ≤ H



(2) Series installation (2 or more) (note)

The relations between H, A and L are as follows.

L	A
0 < L ≤ 1/2H	250
1/2H < L ≤ H	300



(d) Obstacle above, too

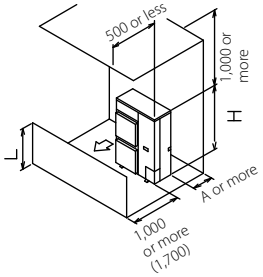
(1) Stand-alone installation

The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	100
	1/2H < L ≤ H	200
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

If the distance exceed the figure in the ( ), then it's no need to set the stand.

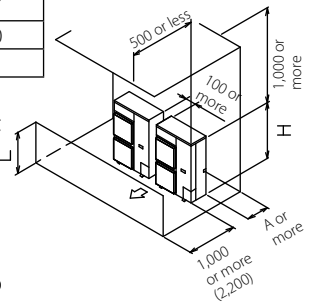


(2) Series installation (note)

The relations between H, A and L are as follows.

	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Set the stand as: L ≤ H.	

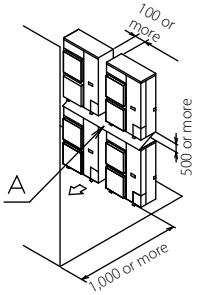
Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.
If the distance exceed the figure in the ( ), then it's no need to set the stand.



4. Double-decker installation

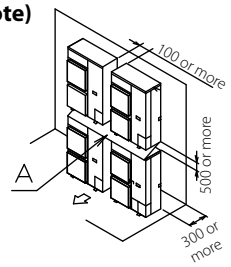
(a) Obstacle on the discharge side (note)

Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.
Do not stack more than two unit.
Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.
Leave the enough space between the layer one and the board.



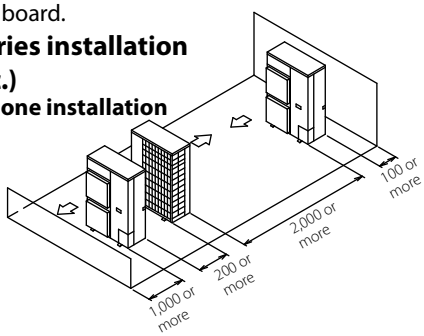
(b) Obstacle on the suctions side (note)

Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharge air from being bypassed.
Do not stack more than two unit.
Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.
Leave the enough space between the layer one and the board.



5. Multiple rows of series installation (on the rooftop, etc.)

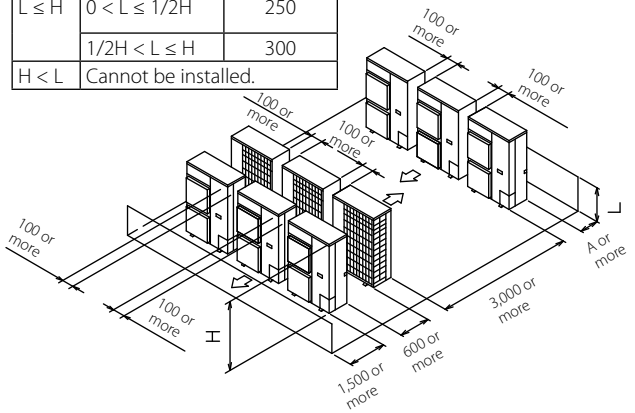
(a) One row of stand-alone installation



(b) Rows of series installation (2 or more)

The relations between H, A and L are as follows.

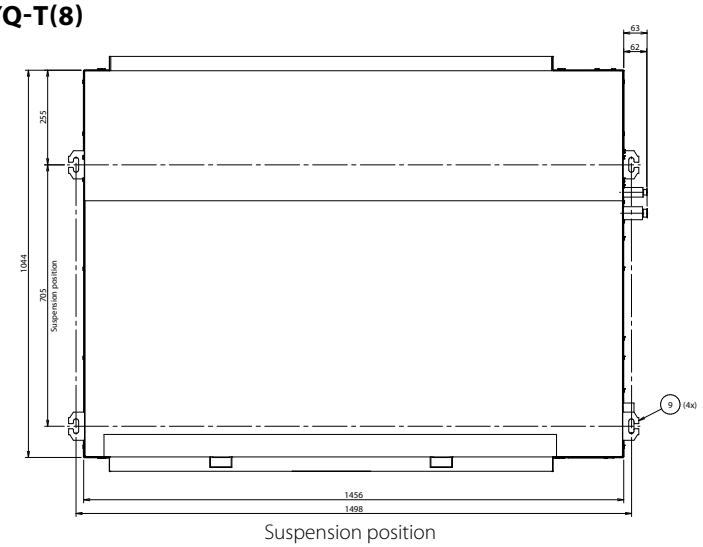
	L	A
L ≤ H	0 < L ≤ 1/2H	250
	1/2H < L ≤ H	300
H < L	Cannot be installed.	



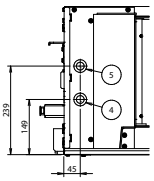
NOTES

When install the units in a line, have to leave the distance over 100mm between the two units.

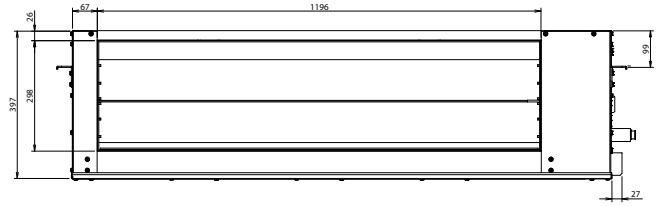
RDXYQ-T(8)

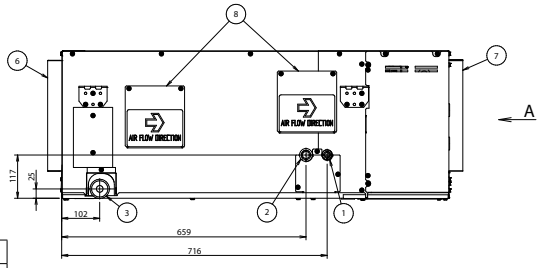


Suspension position



View A

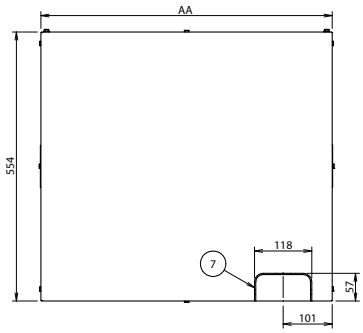




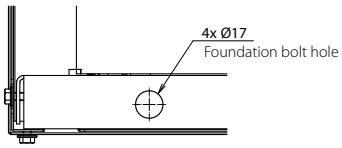
No.	Part name	Remark
1	Liquid pipe connection port	Ø 12.7 brazing connection
2	Gas pipe connection port	Ø 19.1 brazing connection
3	Drain outlet	VP25
4	Wiring intake (high voltage wiring)	Power supply connection
5	Wiring intake (low voltage wiring)	Transmission wiring connection
6	Air suction side	
7	Air discharge side	
8	Service door	
9	Hook	

2D112002

RKXYQ-T(8)



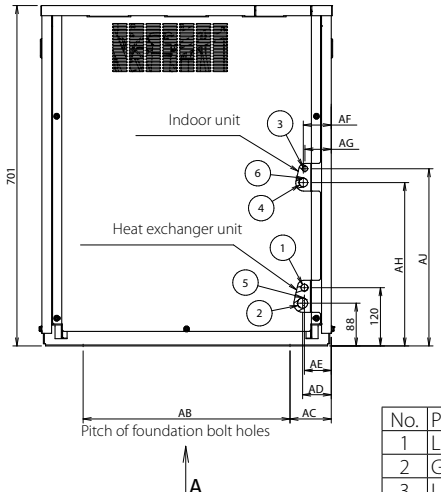
Model	AA	AB	AC	AD	AE	AF	AG	AH	AJ
RKXYQ5T	600	426	85	59	55	57	54	337	365
RKXYQ8T	760	600	78	55	52	55	52	197	222

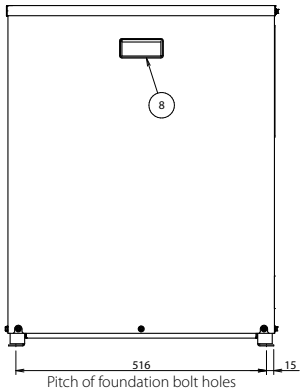


View A

NOTES

1.Indoor unit
RKXYQ5T: Ø 15.9 brazing connection
RKXYQ8T: Ø 19.1 brazing connection
2.Heat exchanger unit
RKXYQ5T: Ø 19.1 brazing connection
RKXYQ8T: Ø 22.2 brazing connection





No.	Part name	Remark
1	Liquid pipe connection port	Ø 12.7 brazing connection
2	Gas pipe connection port	See note 2.
3	Liquid pipe connection port	Ø 9.5 brazing connection
4	Gas pipe connection port	See note 1.
5	Wiring intake (high voltage wiring)	Power supply connection
6	Wiring intake (low voltage wiring)	Transmission wiring connection
7	Pipe routing hole	Knockout hole.
8	Handle	

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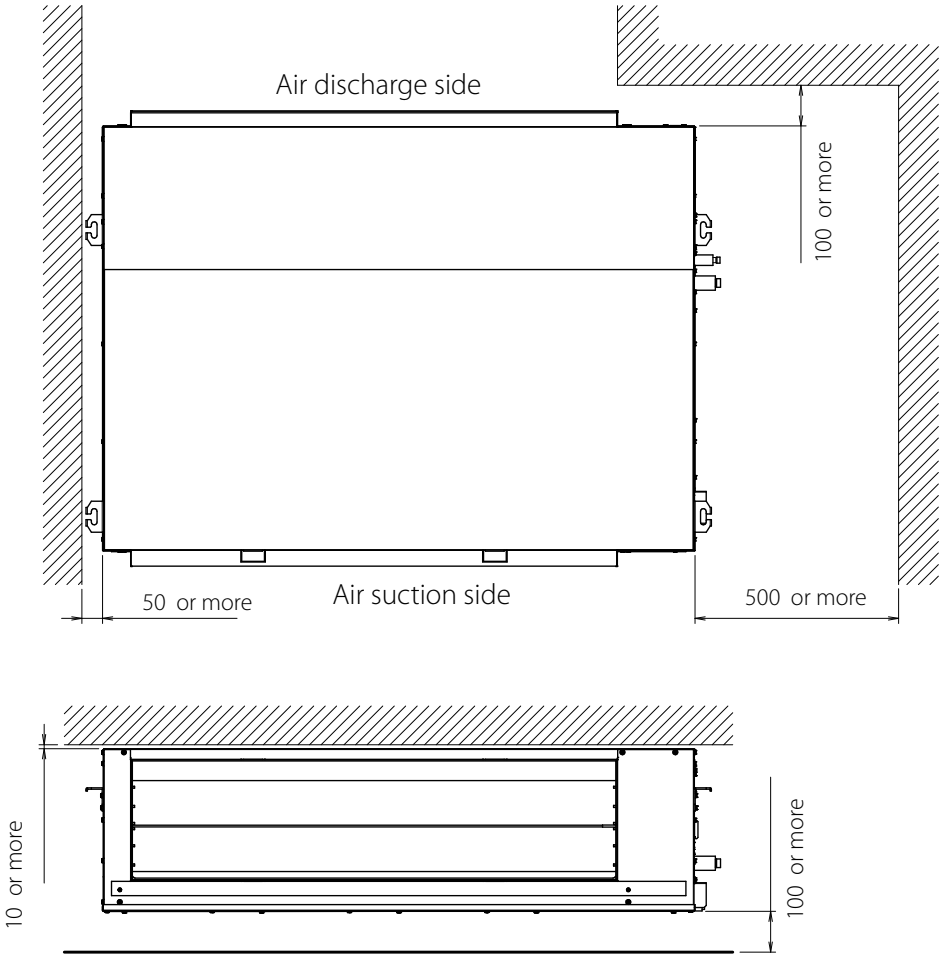
CLICK HERE TO VIEW ALL RDXYQ-T TECHNICAL DRAWINGS ON MY.DAIKIN.EU

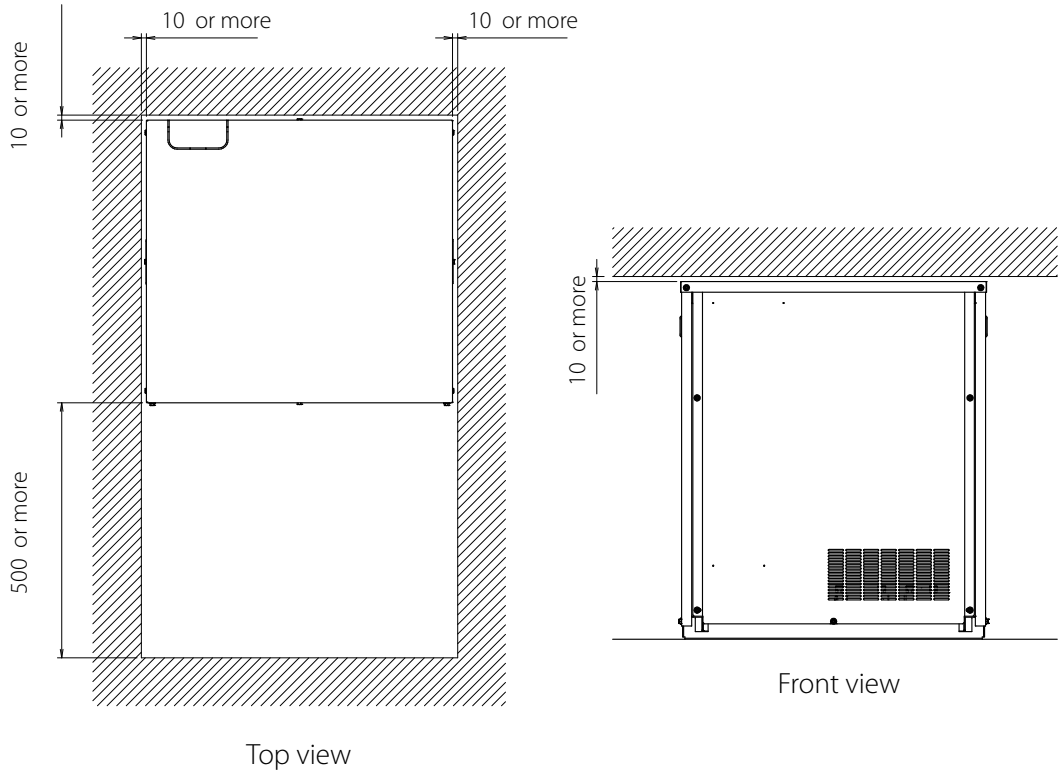
CLICK HERE TO VIEW ALL RKXYQ-T TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RDXYQ-T(8)



3D098834

RKXYQ-T(8)



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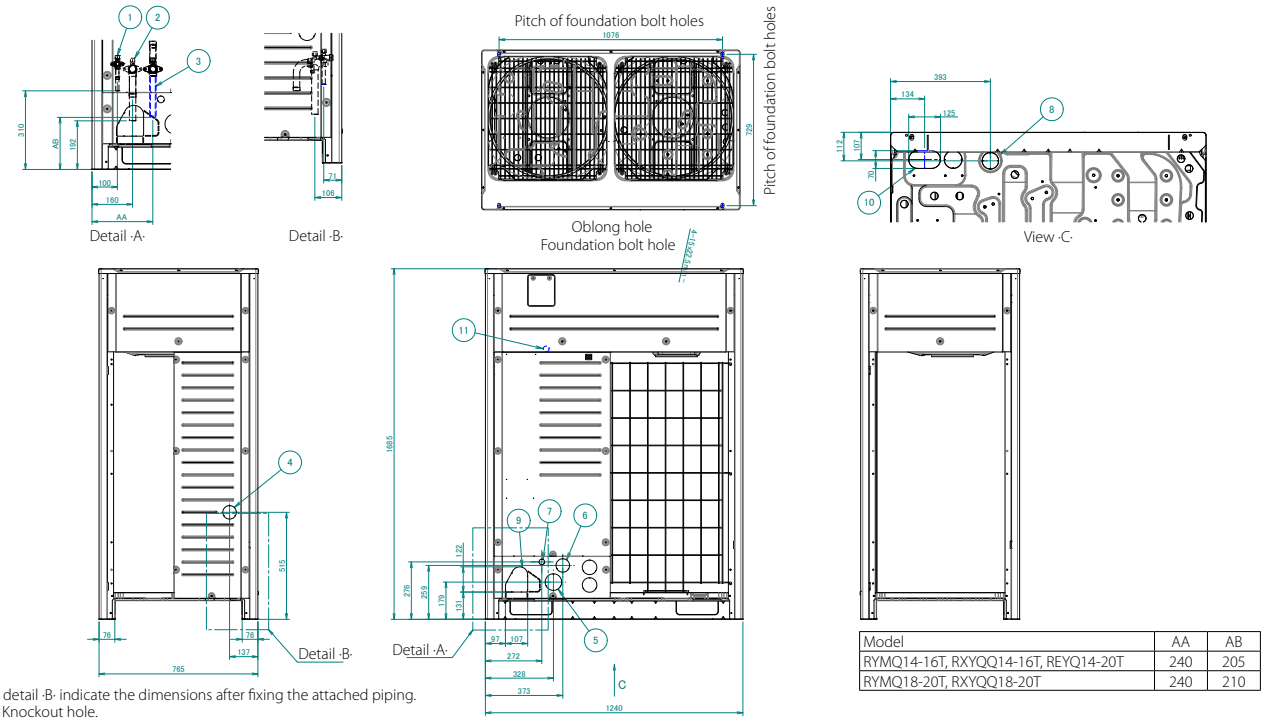
RXMLQ-T - RXYLQ-T



Model	AA	AB
RYMQ14-16T, RXYQQ14-16T, REYQ14-20T	240	205
RYMQ18-20T, RXYQQ18-20T	240	210

NOTES

1. Detail ·A· and detail ·B· indicate the dimensions after fixing the attached piping.
2. Items ·4 - 10· Knockout hole.
3. Gas pipe

RXMLQ8T:	Ø 19.1 brazing connection
RXYTQ10T, RXYLQ10T:	Ø 22.2 brazing connection
REYQ14-20T:	Ø 25.4 brazing connection
RYYQ14-20T, RYMQ14-20T, RXYQ14-20T, RXYQQ14-20T, RXYTQ12-16T, RXYLQ12-14T:	Ø 28.6 brazing connection
Liquid pipe	
RXYTQ10T, RXMLQ8T, RXYLQ10T:	Ø 9.5 brazing connection
RYYQ14-16T, RYMQ14-16T, RXYQ14-16T, RXYQQ14-16T, REYQ14-20T, RXYTQ12-16T, RXYLQ12-14T:	Ø 12.7 brazing connection
RYYQ18-20T, RYMQ18-20T, RXYQ18-20T, RXYQQ18-20T:	Ø 15.9 brazing connection
Equalising pipe	
RYMQ14-16T:	Ø 22.2 brazing connection
RYMQ18-20T	Ø 28.6 brazing connection
High pressure/low pressure gas pipe	
REYQ14-20T:	Ø 22.2 brazing connection

No.	Part name	Remark
1	Liquid pipe connection port	See note ·3·.
2	Gas pipe connection port	See note ·3·.
3	Equalising pipe connection port High pressure/low pressure gas pipe	See note ·3·.
4	Power cord routing hole (side)	Ø65
5	Power cord routing hole (front)	Ø80
6	Power cord routing hole (front)	Ø65
7	Power cord routing hole (front)	Ø27
8	Power cord routing hole (bottom)	Ø65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of the switch box (·M8·)

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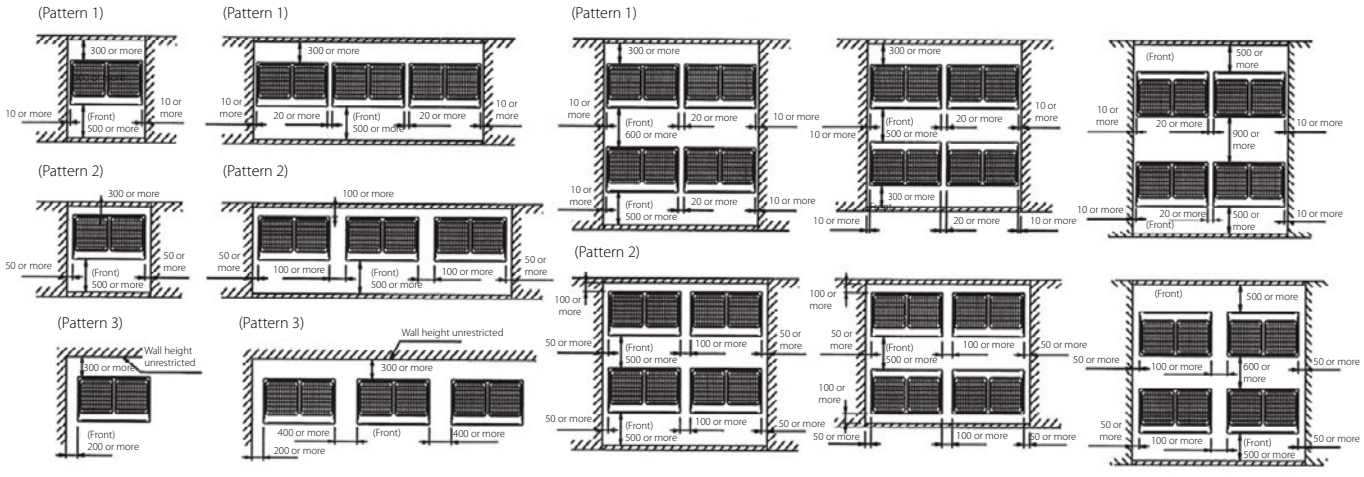
RXMLQ-T - RXYLQ-T

For single unit installation

For installation in rows

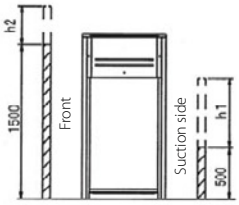
For centralized group layout



< Unit: mm >

NOTES

1. Heights of walls in case of patterns 1 and 2:
   Front: 1,500mm
   Suction side: 500mm
   Side: Height unrestricted
   Installation space as shown on this drawing is based on the cooling operation at 35 degrees outdoor air temperature.
   When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space as shown on this drawing.
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.
3. When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available. Always keep in mind the need to leave enough space for a person to pass between units and wall and also for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits).
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.



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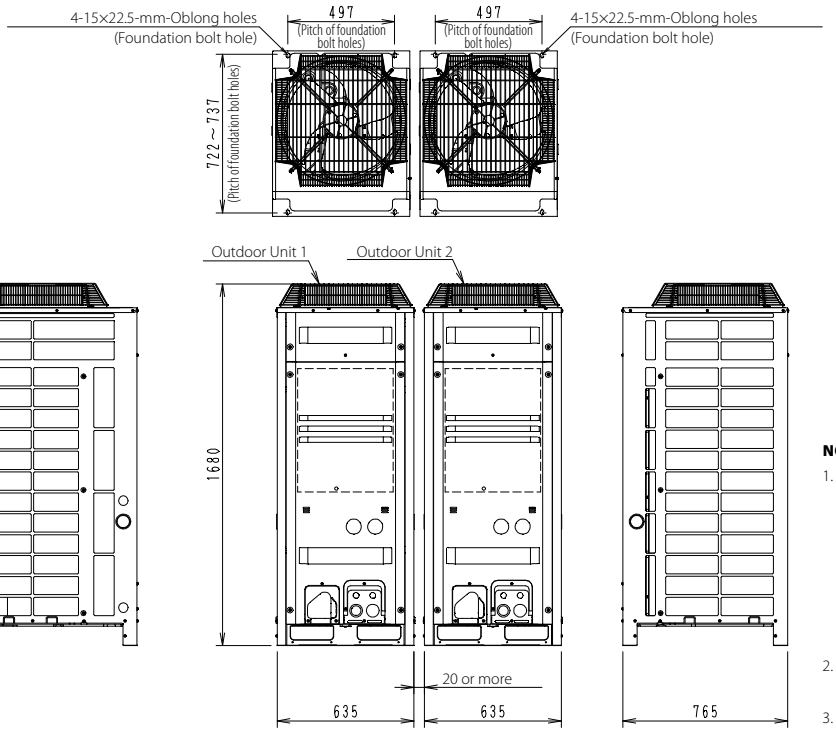
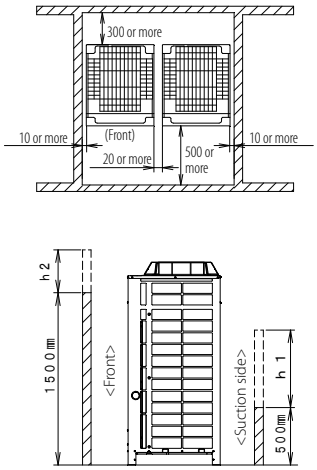
CLICK HERE TO VIEW ALL RQCEQ-P3 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RQCEQ280P3



Space example for installation

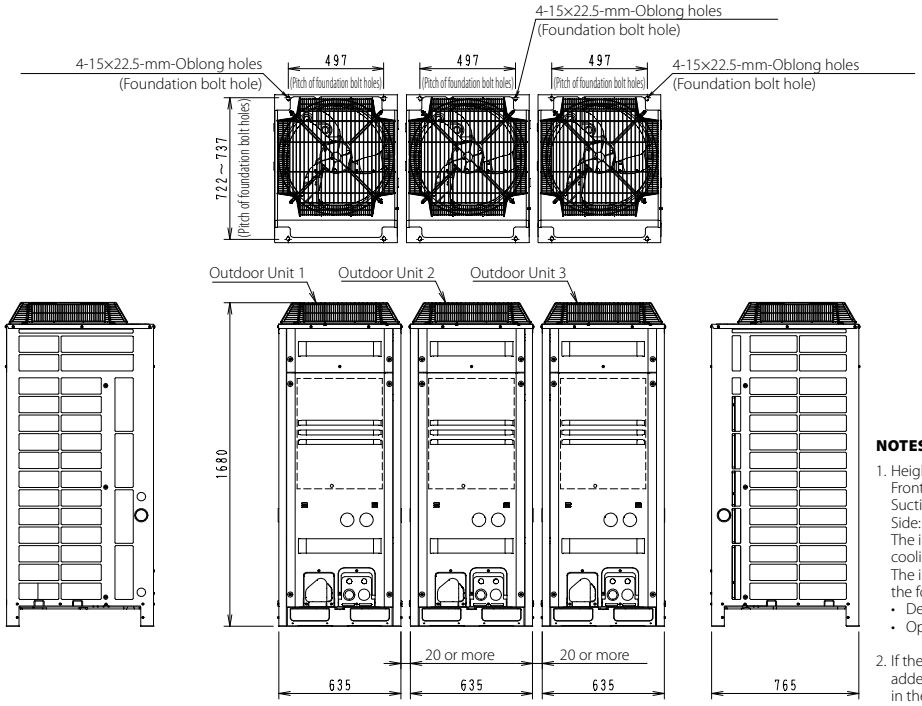


NOTES

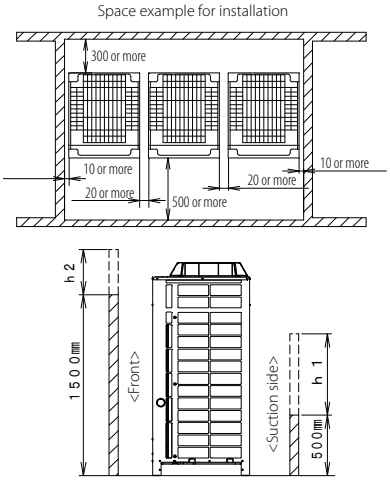
1. Heights of walls
   Front: 1,500mm
   Suction side: 500mm
   Side: Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°C.
   The installation space of suction side shown above must be expanded in the following case.
   - Design outdoor temperature becomes over 35°C.
   - Operating over Max. operating load
     (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

3D066856B

RQCEQ460-540P3



Space example for installation

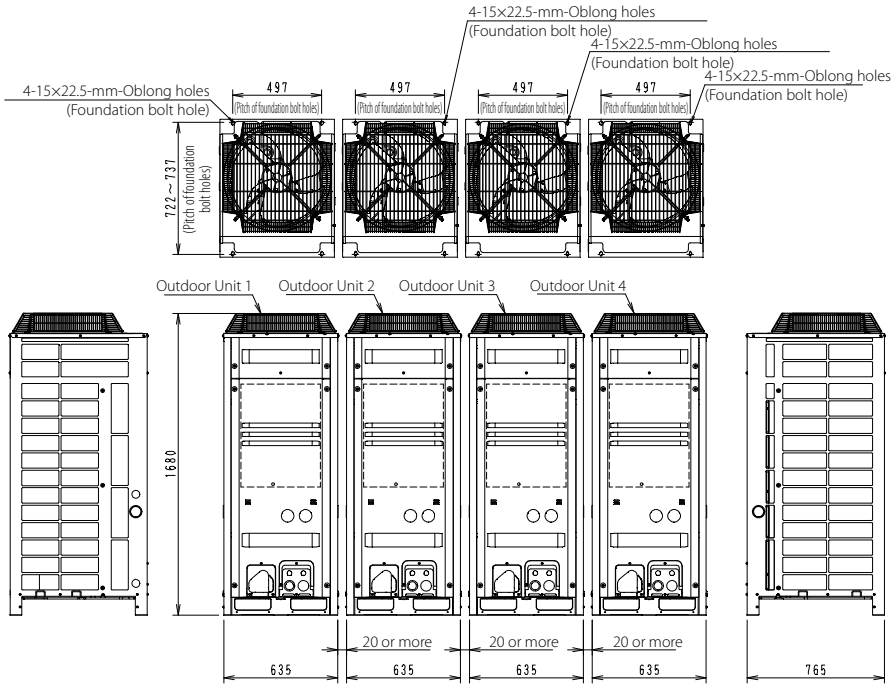


NOTES

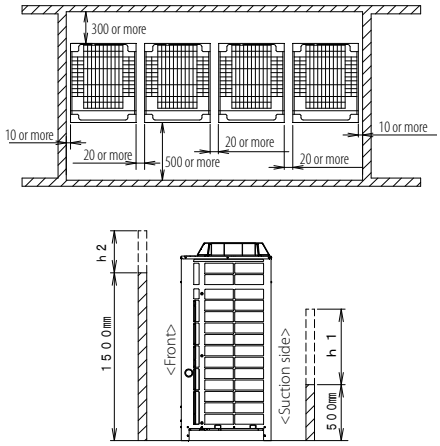
1. Heights of walls
   Front: 1,500mm
   Suction side: 500mm
   Side: Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°C.
   The installation space of suction side shown above must be expanded in the following case.
   - Design outdoor temperature becomes over 35°C.
   - Operating over Max. operating load
     (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

3D066860B

RQCEQ721-816P3



Space example for installation



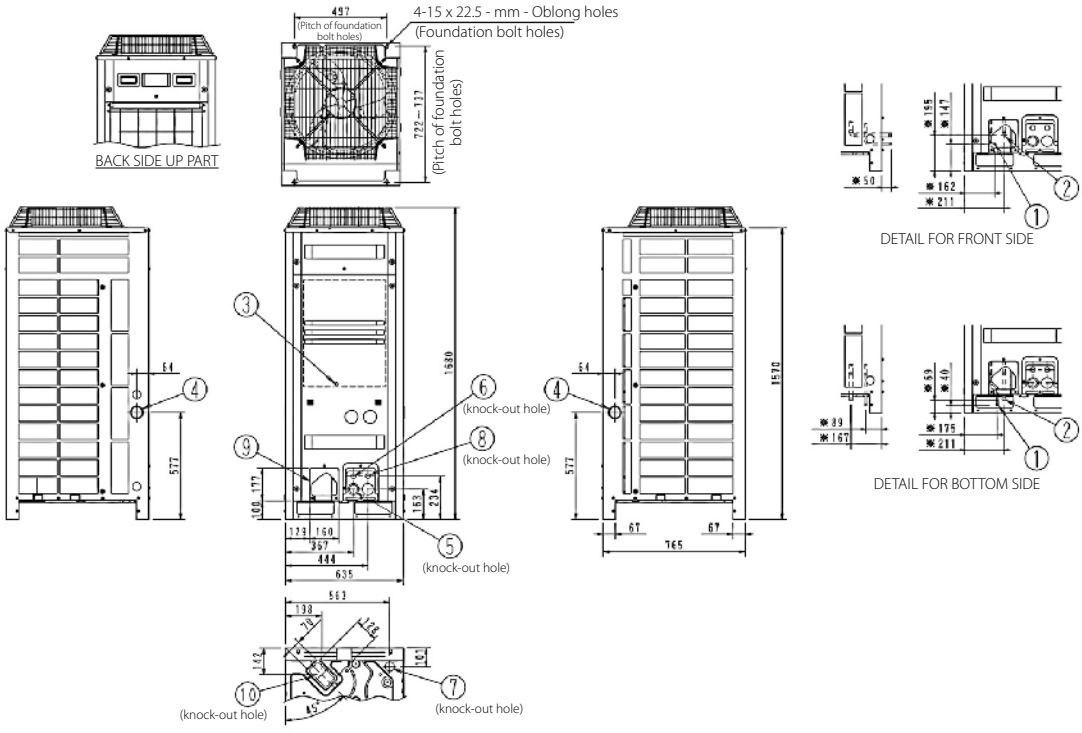
UNIT: mm

NOTES

1. Heights of walls
   Front: 1,500mm
   Suction side: 500mm
   Side: Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°C.
   The installation space of suction side shown above must be expanded in the following case.
   - Design outdoor temperature becomes over 35°C.
   - Operating over Max. operating load
     (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

3D066865B

RQYQ140P



No.	Part name	Remark
1	Liquid pipe connection port	ø9.5 Brazing connection
2	Gas pipe connection port	See note 3.
3	Grounding terminal	Inside of switch box (M8)
4	Power cord routing hole (side)	ø62
5	Power cord routing hole (front)	ø45
6	Power cord routing hole (front)	ø27
7	Power cord routing hole (bottom)	ø50
8	Wire routing hole (front)	ø27
9	Pipe routing hole (front)	See note 2.
10	Pipe routing hole (bottom)	See note 2.

NOTES

1. ※ shows the dimensions after fixing the accessory pipes.
2. For piping connection method (front and bottom sides) see the installation manual.
3. Gas pipe
   ø15.9 Brazing connection: RQYQ140P3

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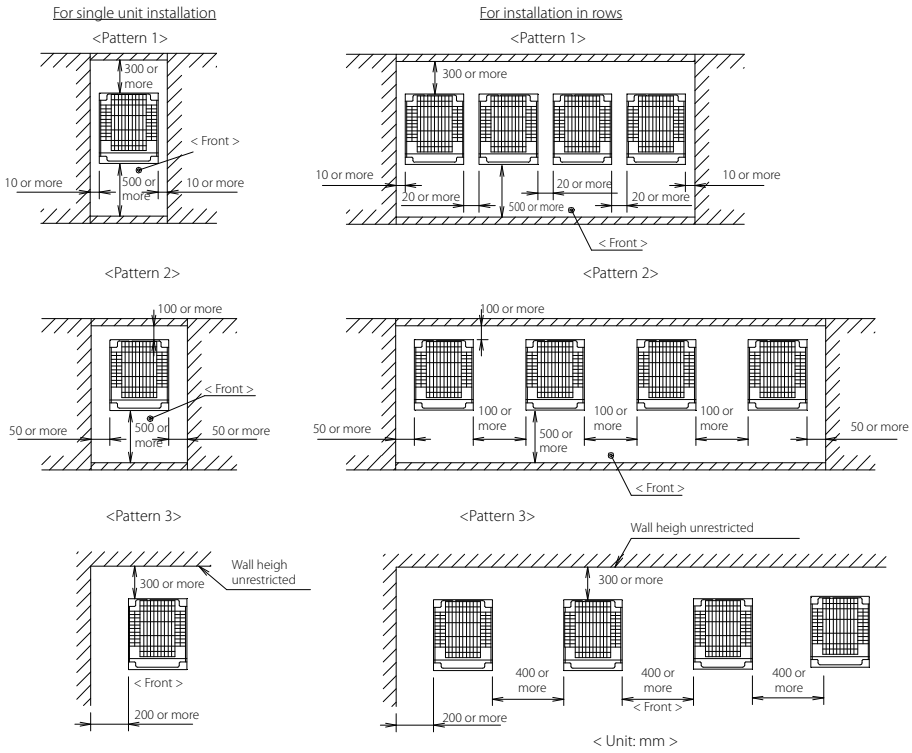
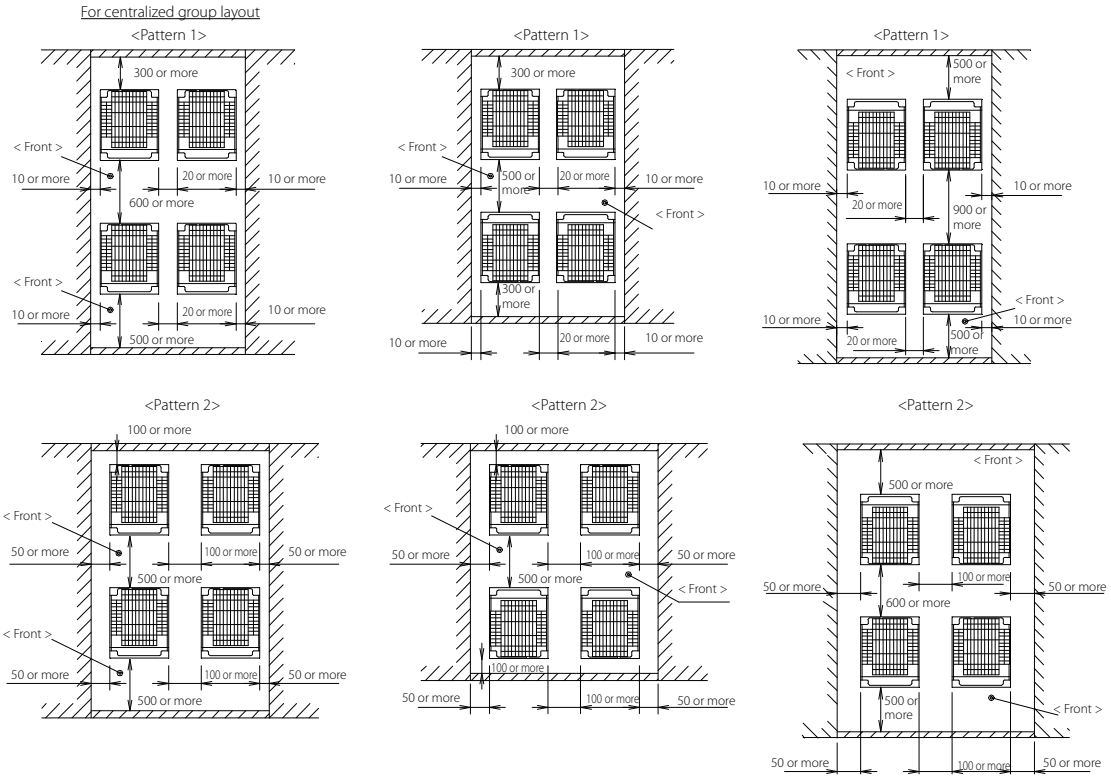
RQYQ140P



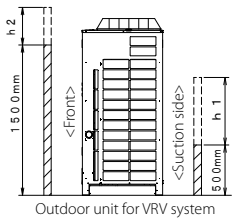
< Unit: mm >



< Unit: mm >

NOTES

1. Heights of walls in case of patterns 1 and 2:
   Front: 1,500mm
   Suction side: 500mm
   Side: Height unrestricted
   Installation space to be shown on this drawing is based on the cooling operation at 35 degrees outdoor air temperature.
   When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space as shown on this drawing.
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.
3. When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits).
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.



Outdoor unit for VRV system

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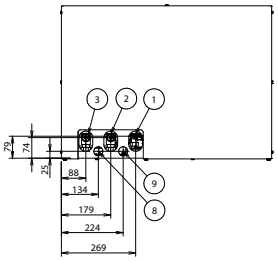
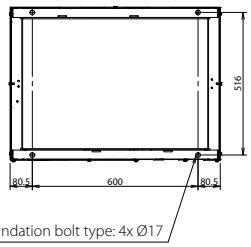
RWEYQ-T9

Top view



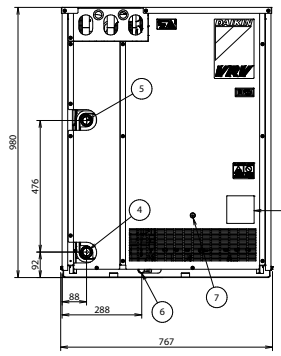
Item	Part name	Remark
1	Liquid pipe	See table 1.
2	Suction pipe	See table 2.
3	Gas pipe	See table 3.
4	Water IN connection	External pipe thread ISO 228-G1 1/4 B
5	Water OUT connection	External pipe thread ISO 228-G1 1/4 B
6	Drain outlet	Flexible hole (inside diameter: Ø 10mm)
7	Grounding terminal	M8
8	Power supply wiring intake	Ø 25
9	Cable inlet	Ø 25

Bottom view



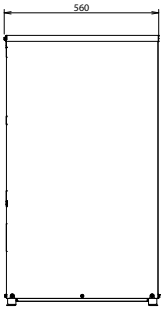
Foundation bolt type: 4x Ø17

Front view

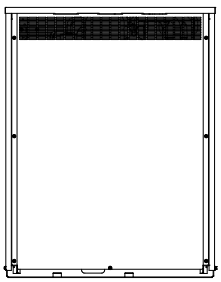


Manufacturer label

Right-side view



Rear view



NOTES

1. The grounding terminal is located in the switch box.
2. The pipe connections are brazed connections.
3. In case of a heat pump, the suction pipe is not used.

Table 1

Model	RWEYQ8T9		RWEYQ10T9		RWEYQ12T9		RWEYQ14T9	
Operation mode	Heat pump	Heat recovery	Heat pump	Heat recovery	Heat pump	Heat recovery	Heat pump	Heat recovery
Liquid pipe	Ø 9.5		Ø 9.5		Ø 12.7		Ø 12.7	
Suction pipe		Ø 19.1		Ø 22.2		Ø 28.6		Ø 28.6
Gas pipe (high/low pressure)	Ø 19.1	Ø 15.9	Ø 22.2	Ø 19.1	Ø 28.6	Ø 19.1	Ø 28.6	Ø 22.2

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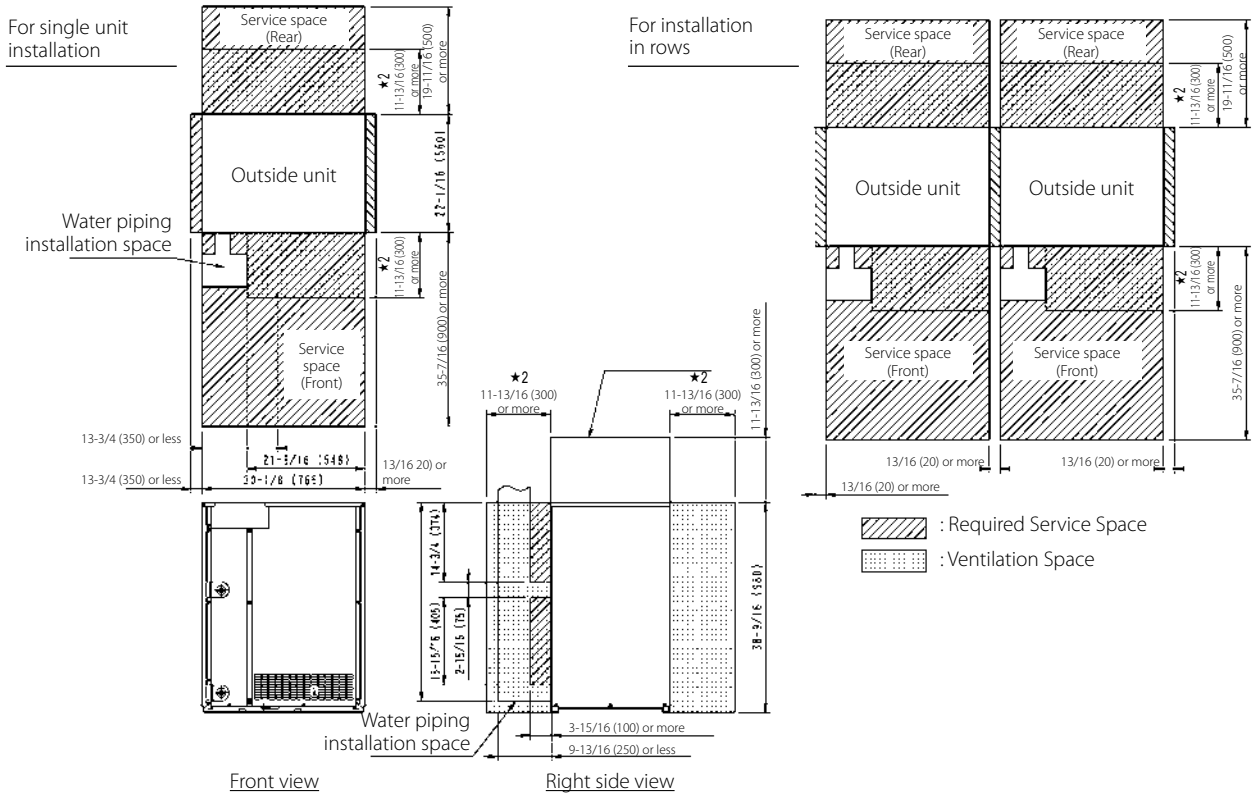
RWEYQ-T9



Unit: mm

NOTES

★1. This space is necessary when refrigerant piping is connected to the top of the unit.
★2. This ventialition space is necessary when heat rejection cancellation (Zero energy sissipation) is not active.

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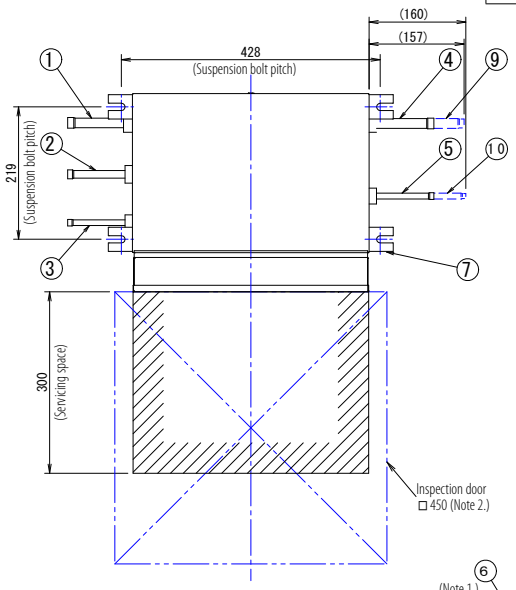
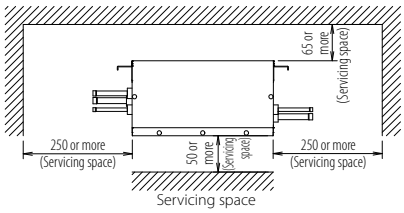
BS1Q10A

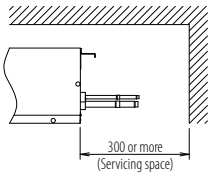
NOTES

1. Electric box can also be fixed on the other side of the unit.
2. Be sure to install a inspection door at electric box side.
3. Attached pipe is only used in case of connecting with a 20~50 class indoor unit,
4. Small sound of refrigerant will be made, which may be disturbing.
   Do not install it at the place such as bedroom under roof.

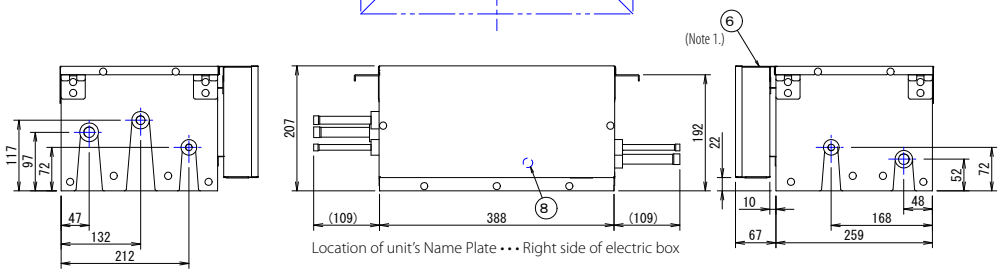
Number	Part name	Description
1	Suction gas pipe connection port	Ø15.9mm brazing connection
2	HP/LP gas pipe connection port	Ø12.7mm brazing connection
3	Liquid pipe connection port	Ø 9.5mm brazing connection
4	Gas pipe connection port	Ø15.9mm brazing connection
5	Liquid pipe connection port	Ø 9.5mm brazing connection
6	Electric box (Note 1.)	
7	Suspension brackets	M8~M10
8	Grounding terminal	M4
9	Attached pipe(1) (Note.3)	Ø12.7mm brazing connection
10	Attached pipe(2) (Note.3)	Ø 6.4mm brazing connection







(In case of use Attached pipe)



Location of unit's Name Plate • • • Right side of electric box

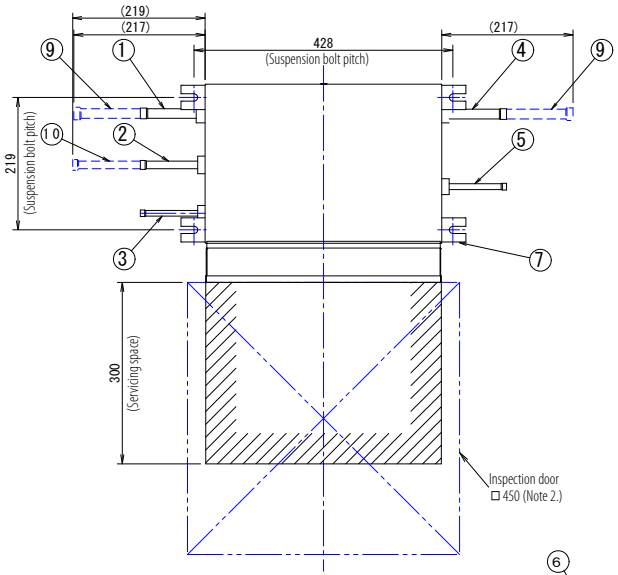
3D056011D

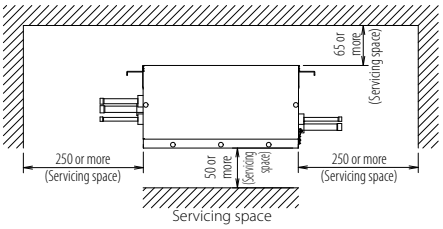
BS1Q16A

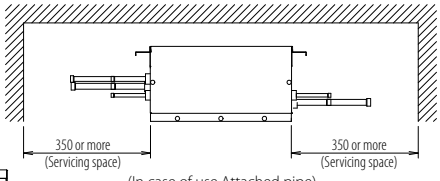
NOTES

1. Electric box can also be fixed on the other side of the unit.
2. Be sure to install an inspection door at electric box side.
3. Attached pipe is only used in case of connecting with indoor unit capacity indey
   150 or more and 160 or less.
4. Small sound of refrigerant will be made, which may be disturbing.
   Do not install it at the place such as bedroom under roof.

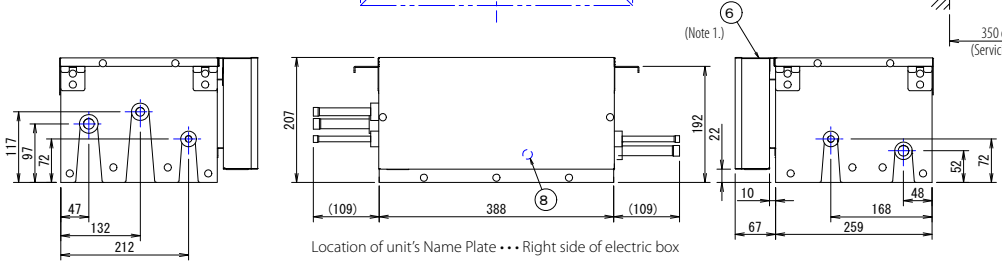
Number	Part name	Description
1	Suction gas pipe connection port	Ø15.9mm brazing connection
2	HP/LP gas pipe connection port	Ø12.7mm brazing connection
3	Liquid pipe connection port	Ø 9.5mm brazing connection
4	Gas pipe connection port	Ø15.9mm brazing connection
5	Liquid pipe connection port	Ø 9.5mm brazing connection
6	Electric box (Note 1.)	
7	Suspension brackets	M8~M10
8	Grounding terminal	M4
9	Attached pipe(1) (Note.3)	Ø19.1mm brazing connection
10	Attached pipe(2) (Note.3)	Ø 15.9 mm brazing connection







(In case of use Attached pipe)



Location of unit's Name Plate • • • Right side of electric box

3D058004D

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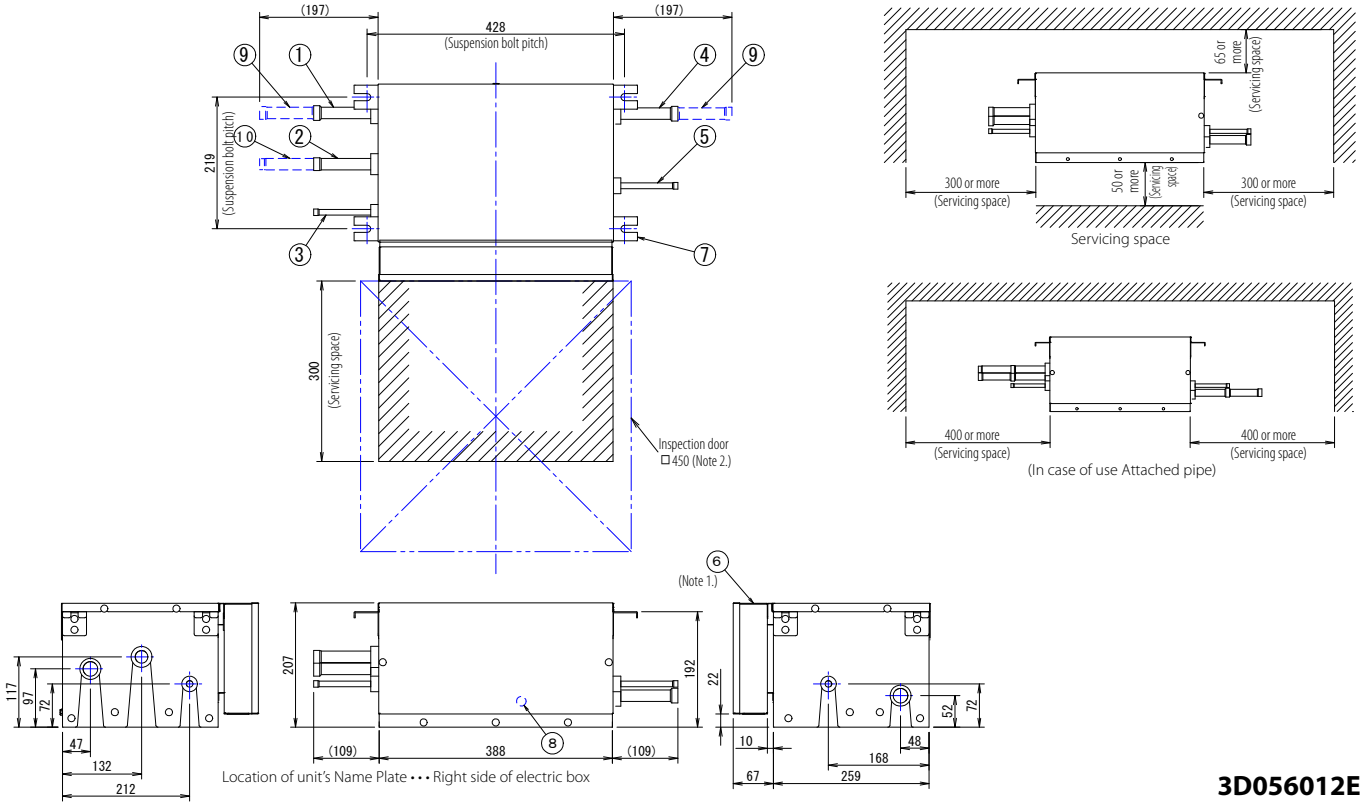
BS1Q25A

NOTES

1. Electric box can also be fixed on the other side of the unit.
2. Be sure to install an inspection door at electric box side.
3. Attached pipe(1) and Attached pipe(2) is used in case of connecting with indoor capacity index more than 160 and less than 200.
   In case of connecting one indoor unit of 200 type, only gas pipe connection port need Attached pipe(1).
4. Small sound will be made when changing over the motor operated valve, which may be disturbing.
   Do not install it at the place such as bedroom under roof.

Number	Part name	Description
1	Suction gas pipe connection port	Ø15.9mm brazing connection
2	HP/LP gas pipe connection port	Ø12.7mm brazing connection
3	Liquid pipe connection port	Ø 9.5mm brazing connection
4	Gas pipe connection port	Ø15.9mm brazing connection
5	Liquid pipe connection port	Ø 9.5mm brazing connection
6	Electric box (Note 1.)	
7	Suspension brackets	M8~M10
8	Grounding terminal	M4
9	Attached pipe(1) (Note.3)	Ø19.1mm brazing connection
10	Attached pipe(2) (Note.3)	Ø 15.9 mm brazing connection



3D056012E

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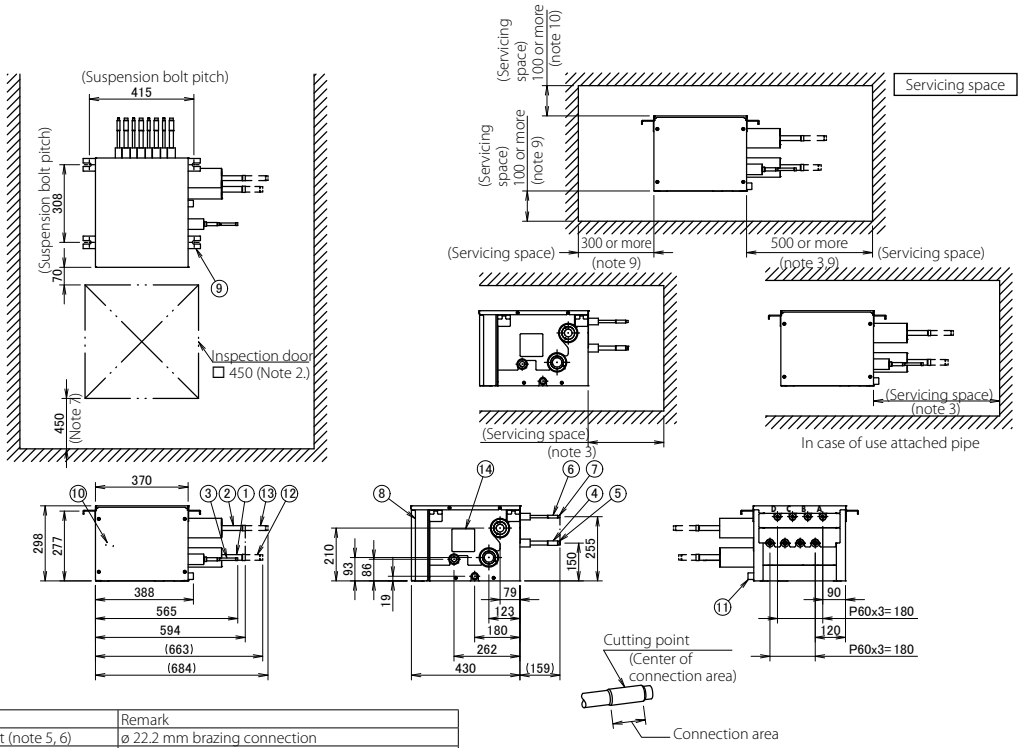
BS4Q14AV1B

NOTES

1. Be sure to install an inspection door at electric box side, another door is necessary to unload the product.
2. - Install the BS box on a location where the refrigerant noise cannot disturbe the room occupants.
   - To avoid that refrigerant noise disturbs the people in the room, keep at least 5m piping between the occupied room and the BS box.
   - If there is no false ceiling at the room, please add sound insulation around the piping between BS box and indoor unit, or keep much longer length between BS box and occupied room.
3. Occupy the space which is possible to install field pipes.
4. In case of connection with a 20~50 type indoor unit, there is no need to cut and connect as it is.
   In case of others, cut the outlet pipe and connect to the connecting pipe. Refer to figure above.
5. Reducer may be required (field supply) if joint diameter does not suit on the triple piping side.
6. Insulators are necessary (field supply) for the triple piping side.
7. This space is a space to keep a top panel when servicing.
8. Install it in a space which can be secured downwards slope of 1/100 or more.
9. It is a space for removing the drain pan.
10. This is a space for removing a top panel when servicing.



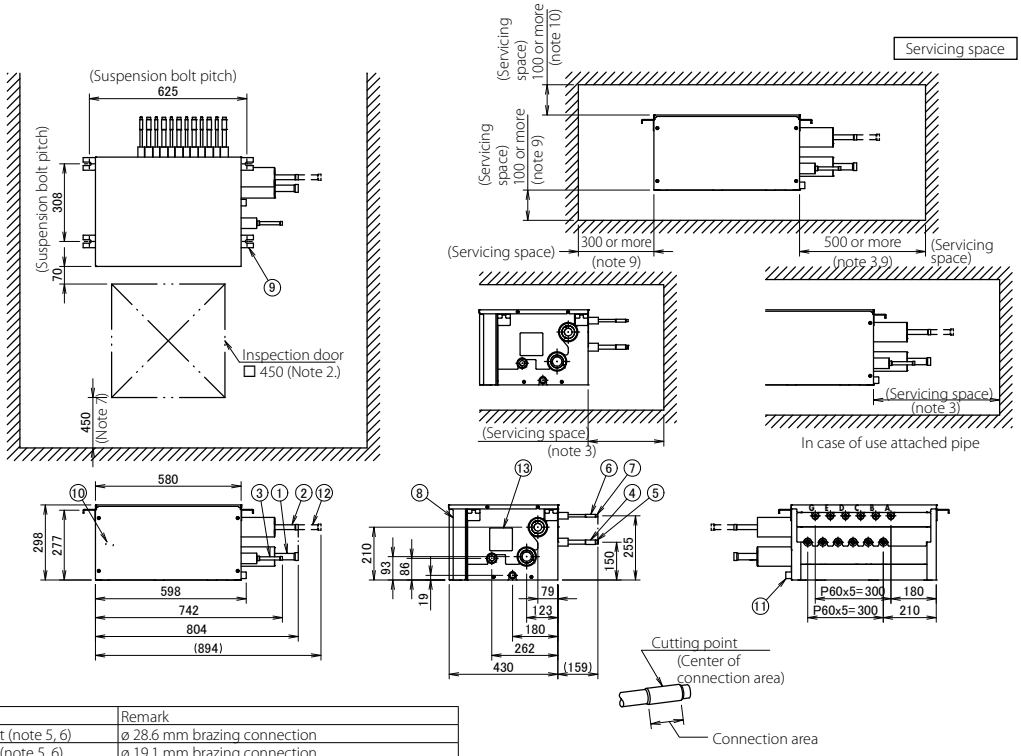
Item	Part name	Remark
1	Outdoor unit suction gas pipe connection port (note 5, 6)	ø 22.2 mm brazing connection
2	Outdoor unit HP/LP gas pipe connection port (note 5, 6)	ø 19.1 mm brazing connection
3	Outdoor unit liquid pipe connection port (note 5, 6)	ø 9.5 mm brazing connection
4	Indoor unit gas pipe connection port (note 4)	ø 15.9 mm brazing connection
5	Indoor unit gas pipe connection port (note 4)	ø 12.7 mm brazing connection
6	Indoor unit liquid pipe connection port (note 4)	ø 9.5 mm brazing connection
7	Indoor unit liquid pipe connection port (note 4)	ø 6.4 mm brazing connection
8	Electric box (note 1)	
9	Suspension brackets	M8~M10
10	Grounding terminal	M4
11	Socket for drain	VP20 (O.D.ø 26 mm / I.D.ø 20 mm)
12	Attached pipe (note 5, 6)	ø 19.1 mm brazing connection
13	Attached pipe (note 5, 6)	ø 15.9 mm brazing connection
14	Inspection hole	

3D106407

BS6Q14AV1B

NOTES

1. Be sure to install an inspection door at electric box side, another door is necessary to unload the product.
2. - Install the BS box on a location where the refrigerant noise cannot disturbe the room occupants.
   - To avoid that refrigerant noise disturbs the people in the room, keep at least 5m piping between the occupied room and the BS box.
   - If there is no false ceiling at the room, please add sound insulation around the piping between BS box and indoor unit, or keep much longer length between BS box and occupied room.
3. Occupy the space which is possible to install field pipes.
4. In case of connection with a 20~50 type indoor unit, there is no need to cut and connect as it is.
   In case of others, cut the outlet pipe and connect to the connecting pipe. Refer to figure above.
5. Reducer may be required (field supply) if joint diameter does not suit on the triple piping side.
6. Insulators are necessary (field supply) for the triple piping side.
7. This space is a space to keep a top panel when servicing.
8. Install it in a space which can be secured downwards slope of 1/100 or more.
9. It is a space for removing the drain pan.
10. This is a space for removing a top panel when servicing.



Item	Part name	Remark
1	Outdoor unit suction gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
2	Outdoor unit HP/LP gas pipe connection port (note 5, 6)	ø 19.1 mm brazing connection
3	Outdoor unit liquid pipe connection port (note 5, 6)	ø 12.7 mm brazing connection
4	Indoor unit gas pipe connection port (note 4)	ø 15.9 mm brazing connection
5	Indoor unit gas pipe connection port (note 4)	ø 12.7 mm brazing connection
6	Indoor unit liquid pipe connection port (note 4)	ø 9.5 mm brazing connection
7	Indoor unit liquid pipe connection port (note 4)	ø 6.4 mm brazing connection
8	Electric box (note 1)	
9	Suspension brackets	M8~M10
10	Grounding terminal	M4
11	Socket for drain	VP20 (O.D.ø 26 mm / I.D.ø 20 mm)
12	Attached pipe (note 5, 6)	ø 22.2 mm brazing connection
13	Inspection hole	

3D106408

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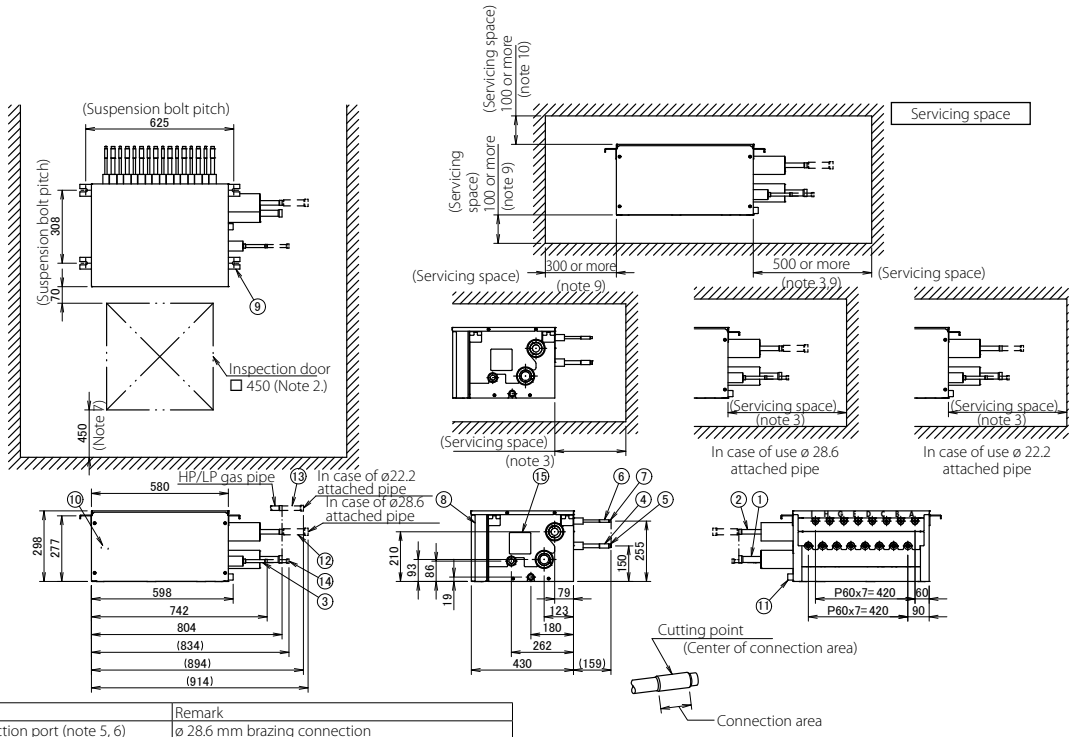
BS8Q14AV1B

NOTES

1. Be sure to install an inspection door at electric box side, another door is necessary to unload the product.
2. - Install the BS box on a location where the refrigerant noise cannot disturbe the room occupants.
   - To avoid that refrigerant noise disturbs the people in the room, keep at least 5m piping between the occupied room and the BS box.
   - If there is no false ceiling at the room, please add sound insulation around the piping between BS box and indoor unit, or keep much longer length between BS box and occupied room.
3. Occupy the space which is possible to install field pipes.
4. In case of connection with a 20~50 type indoor unit, there is no need to cut and connect as it is.
   In case of others, cut the outlet pipe and connect to the connecting pipe. Refer to figure above.
5. Reducer may be required (field supply) if joint diameter does not suit on the triple piping side.
6. Insulators are necessary (field supply) for the triple piping side.
7. This space is a space to keep a top panel when servicing.
8. Install it in a space which can be secured downwards slope of 1/100 or more.
9. It is a space for removing the drain pan.
10. This is a space for removing a top panel when servicing.



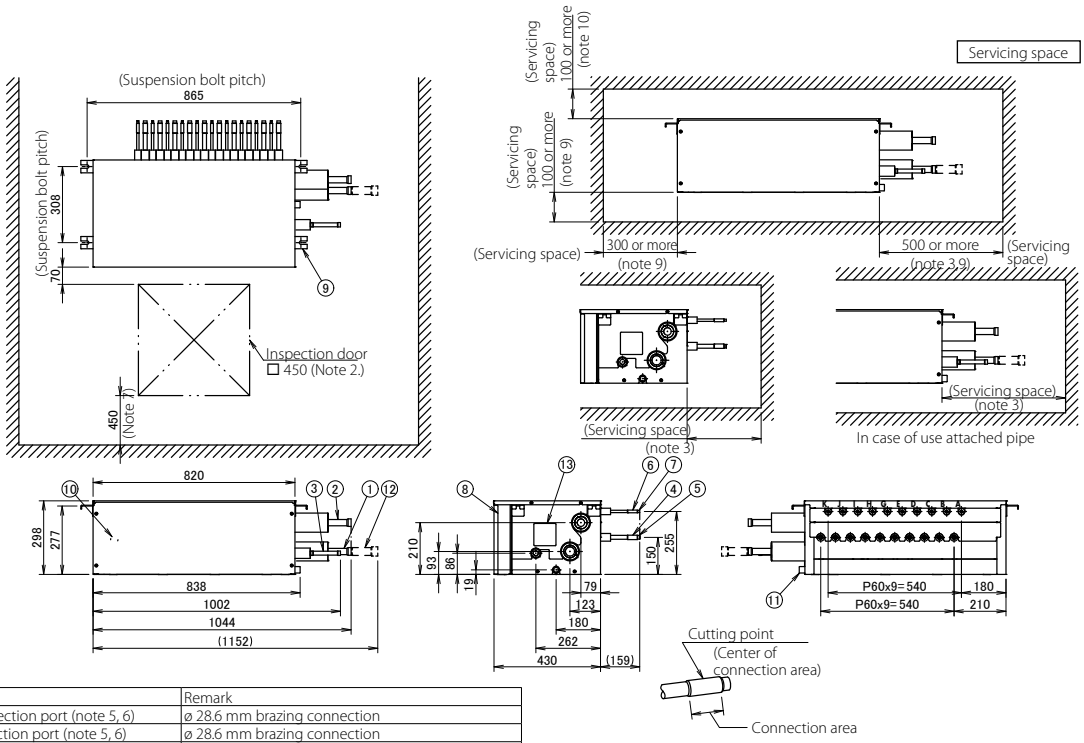
Item	Part name	Remark
1	Outdoor unit suction gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
2	Outdoor unit HP/LP gas pipe connection port (note 5, 6)	ø 19.1 mm brazing connection
3	Outdoor unit liquid pipe connection port (note 5, 6)	ø 12.7 mm brazing connection
4	Indoor unit gas pipe connection port (note 4)	ø 15.9 mm brazing connection
5	Indoor unit gas pipe connection port (note 4)	ø 12.7 mm brazing connection
6	Indoor unit liquid pipe connection port (note 4)	ø 9.5 mm brazing connection
7	Indoor unit liquid pipe connection port (note 4)	ø 6.4 mm brazing connection
8	Electric box (note 1)	
9	Suspension brackets	M8~M10
10	Grounding terminal	M4
11	Socket for drain	VP20 (O.D.ø 26 mm / I.D.ø 20 mm)
12	Attached pipe (note 5, 6)	ø 28.6 mm brazing connection
13	Attached pipe (note 5, 6)	ø 22.2 mm brazing connection
14	Attached pipe (note 5, 6)	ø 15.9 mm brazing connection
15	Inspection hole	

3D106409

BS10Q14AV1B

NOTES

1. Be sure to install an inspection door at electric box side, another door is necessary to unload the product.
2. - Install the BS box on a location where the refrigerant noise cannot disturbe the room occupants.
   - To avoid that refrigerant noise disturbs the people in the room, keep at least 5m piping between the occupied room and the BS box.
   - If there is no false ceiling at the room, please add sound insulation around the piping between BS box and indoor unit, or keep much longer length between BS box and occupied room.
3. Occupy the space which is possible to install field pipes.
4. In case of connection with a 20~50 type indoor unit, there is no need to cut and connect as it is.
   In case of others, cut the outlet pipe and connect to the connecting pipe. Refer to figure above.
5. Reducer may be required (field supply) if joint diameter does not suit on the triple piping side.
6. Insulators are necessary (field supply) for the triple piping side.
7. This space is a space to keep a top panel when servicing.
8. Install it in a space which can be secured downwards slope of 1/100 or more.
9. It is a space for removing the drain pan.
10. This is a space for removing a top panel when servicing.



Item	Part name	Remark
1	Outdoor unit suction gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
2	Outdoor unit HP/LP gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
3	Outdoor unit liquid pipe connection port (note 5, 6)	ø 15.9 mm brazing connection
4	Indoor unit gas pipe connection port (note 4)	ø 15.9 mm brazing connection
5	Indoor unit gas pipe connection port (note 4)	ø 12.7 mm brazing connection
6	Indoor unit liquid pipe connection port (note 4)	ø 9.5 mm brazing connection
7	Indoor unit liquid pipe connection port (note 4)	ø 6.4 mm brazing connection
8	Electric box (note 1)	
9	Suspension brackets	M8~M10
10	Grounding terminal	M4
11	Socket for drain	VP20 (O.D.ø 26 mm / I.D.ø 20 mm)
12	Attached pipe (note 5, 6)	ø 34.9 mm brazing connection
13	Inspection hole	

3D106410

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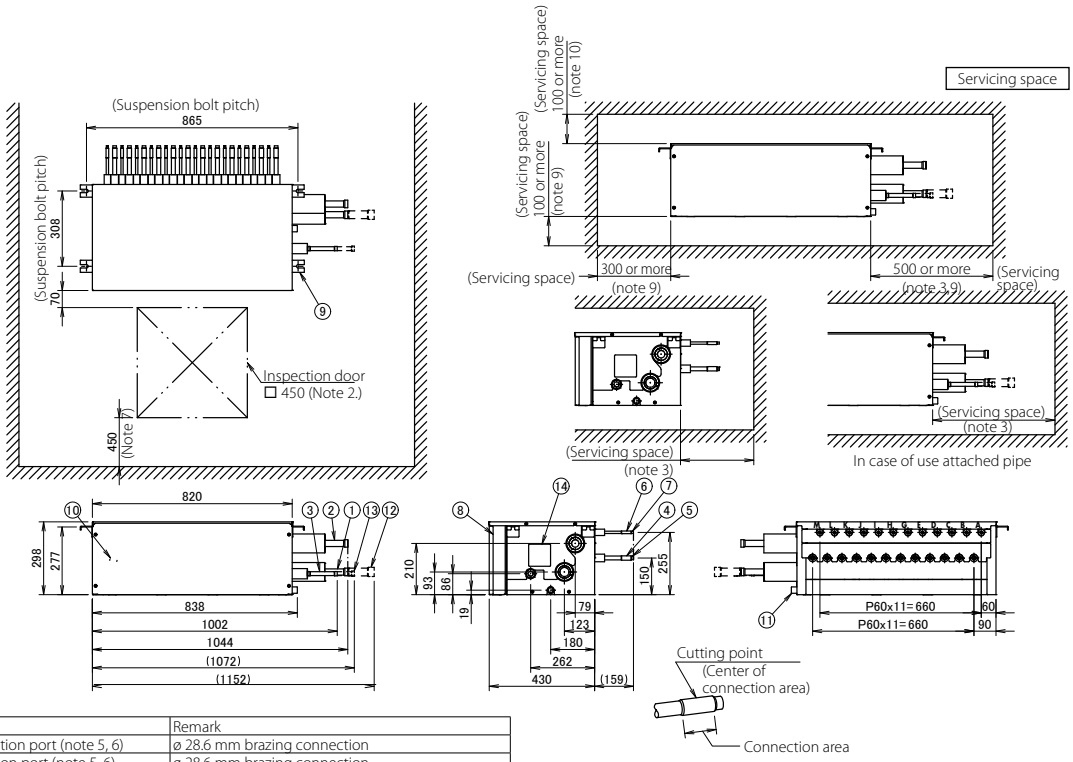
BS12Q14AV1B

NOTES

1. Be sure to install an inspection door at electric box side, another door is necessary to unload the product.
2. - Install the BS box on a location where the refrigerant noise cannot disturbe the room occupants.
   - To avoid that refrigerant noise disturbs the people in the room, keep at least 5m piping between the occupied room and the BS box.
   - If there is no false ceiling at the room, please add sound insulation around the piping between BS box and indoor unit, or keep much longer length between BS box and occupied room.
3. Occupy the space which is possible to install field pipes.
4. In case of connection with a 20~50 type indoor unit, there is no need to cut and connect as it is.
   In case of others, cut the outlet pipe and connect to the connecting pipe. Refer to figure above.
5. Reducer may be required (field supply) if joint diameter does not suit on the triple piping side.
6. Insulators are necessary (field supply) for the triple piping side.
7. This space is a space to keep a top panel when servicing.
8. Install it in a space which can be secured downwards slope of 1/100 or more.
9. It is a space for removing the drain pan.
10. This is a space for removing a top panel when servicing.



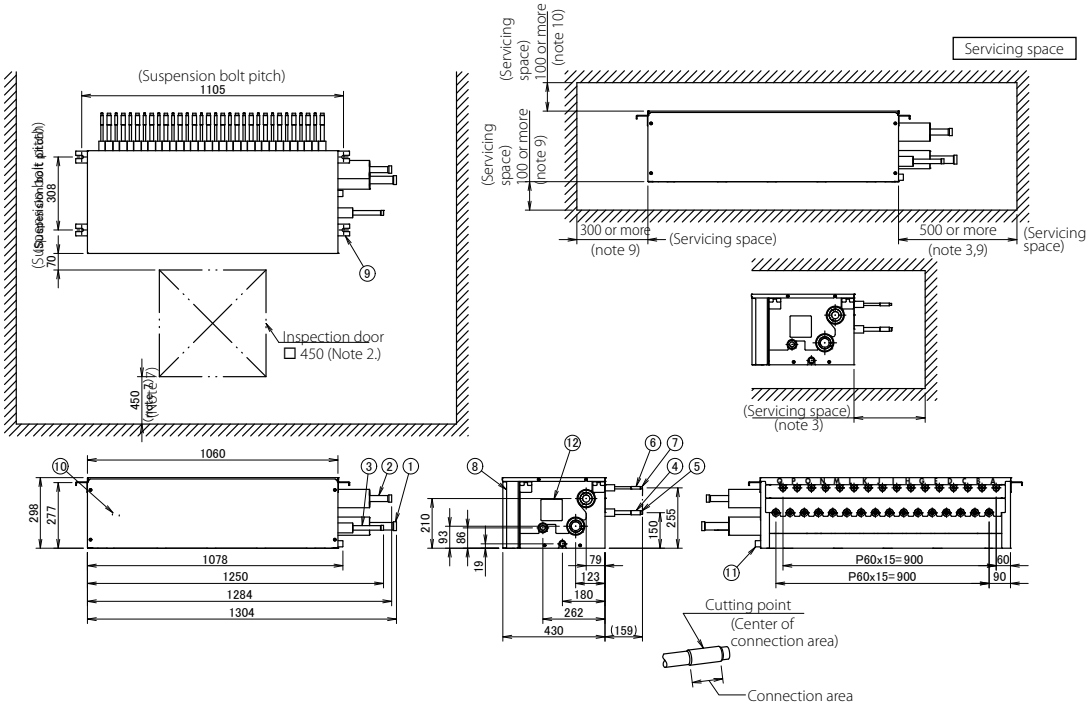
Item	Part name	Remark
1	Outdoor unit suction gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
2	Outdoor unit HP/LP gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
3	Outdoor unit liquid pipe connection port (note 5, 6)	ø 15.9 mm brazing connection
4	Indoor unit gas pipe connection port (note 4)	ø 15.9 mm brazing connection
5	Indoor unit gas pipe connection port (note 4)	ø 12.7 mm brazing connection
6	Indoor unit liquid pipe connection port (note 4)	ø 9.5 mm brazing connection
7	Indoor unit liquid pipe connection port (note 4)	ø 6.4 mm brazing connection
8	Electric box (note 1)	
9	Suspension brackets	M8~M10
10	Grounding terminal	M4
11	Socket for drain	VP20 (O.D.ø 26 mm / I.D.ø 20 mm)
12	Attached pipe (note 5, 6)	ø 34.9 mm brazing connection
13	Attached pipe (note 5, 6)	ø 19.1 mm brazing connection
14	Inspection hole	

3D106411

BS16Q14AV1B

NOTES

1. Be sure to install an inspection door at electric box side, another door is necessary to unload the product.
2. - Install the BS box on a location where the refrigerant noise cannot disturbe the room occupants.
   - To avoid that refrigerant noise disturbs the people in the room, keep at least 5m piping between the occupied room and the BS box.
   - If there is no false ceiling at the room, please add sound insulation around the piping between BS box and indoor unit, or keep much longer length between BS box and occupied room.
3. Occupy the space which is possible to install field pipes.
4. In case of connection with a 20~50 type indoor unit, there is no need to cut and connect as it is.
   In case of others, cut the outlet pipe and connect to the connecting pipe. Refer to figure above.
5. Reducer may be required (field supply) if joint diameter does not suit on the triple piping side.
6. Insulators are necessary (field supply) for the triple piping side.
7. This space is a space to keep a top panel when servicing.
8. Install it in a space which can be secured downwards slope of 1/100 or more.
9. It is a space for removing the drain pan.
10. This is a space for removing a top panel when servicing.



Item	Part name	Remark
1	Outdoor unit suction gas pipe connection port (note 5, 6)	ø 34.9 mm brazing connection
2	Outdoor unit HP/LP gas pipe connection port (note 5, 6)	ø 28.6 mm brazing connection
3	Outdoor unit liquid pipe connection port (note 5, 6)	ø 19.1 mm brazing connection
4	Indoor unit gas pipe connection port (note 4)	ø 15.9 mm brazing connection
5	Indoor unit gas pipe connection port (note 4)	ø 12.7 mm brazing connection
6	Indoor unit liquid pipe connection port (note 4)	ø 9.5 mm brazing connection
7	Indoor unit liquid pipe connection port (note 4)	ø 6.4 mm brazing connection
8	Electric box (note 1)	
9	Suspension brackets	M8~M10
10	Grounding terminal	M4
11	Socket for drain	VP20 (O.D.ø 26 mm / I.D.ø 20 mm)
12	Inspection hole	

3D106412

Technical drawings
Indoor units

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FXDA-A / FXDQ-A3	283
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FXAQ-A	315
FXHA-A / FXHQ-A	317
FXUA-A / FXUQ-A	320
FXNQ-A	321
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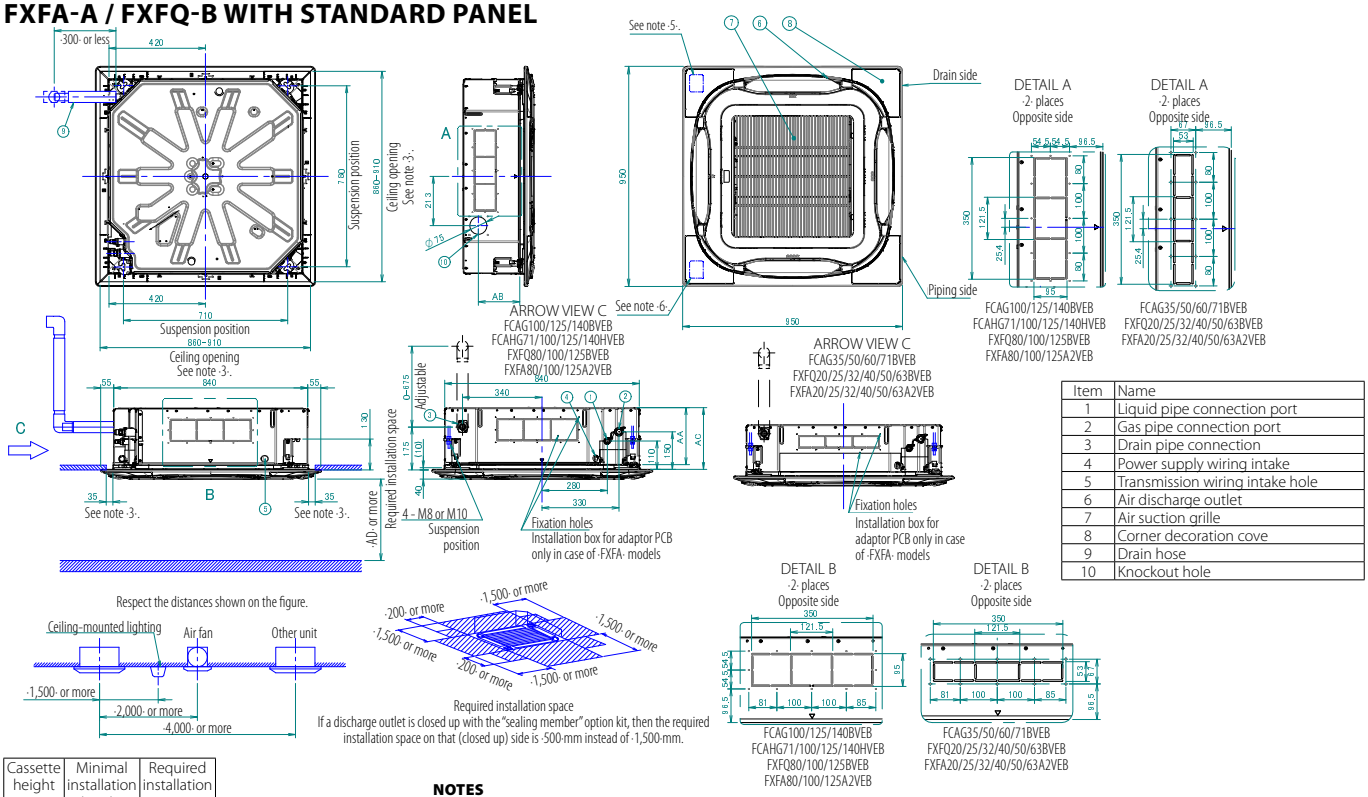
FXFA-A / FXFQ-B WITH STANDARD PANEL



Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Air suction grille
8	Corner decoration cove
9	Drain hose
10	Knockout hole

Required installation space
If a discharge outlet is closed up with the "sealing member" option kit, then the required installation space on that (closed up) side is ·500·mm instead of ·1,500·mm.

Cassette height		Minimal installation height	Required installation space	
AA	AB	AC	AD	Model
204	139	227	2,700	FCAG35/50/60/71BVEB
246	180	269	2,700	FCAG100/125/140BVEB
288	180	311	2,700	FCAHG71/100/125/140HVEB
204	139	227	2,700	FXFQ20/25/32/40/50/63BVEB
246	180	269	2,700	FXFQ80/100BVEB
288	180	311	2,700	FXFQ125BVEB
204	139	227	2,500	FXFA20/25/32/40/50/63A2VEB
246	180	269	2,500	FXFA80/100A2VEB
288	180	311	2,500	FXFA125A2VEB

NOTES

1. Location of nameplate:
   The unit nameplate is located on the control box cover.
   The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between the ceiling and the cassette does not exceed ·35·mm. The maximum ceiling opening is ·910·mm.
4. When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥·10·mm).
5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
6. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

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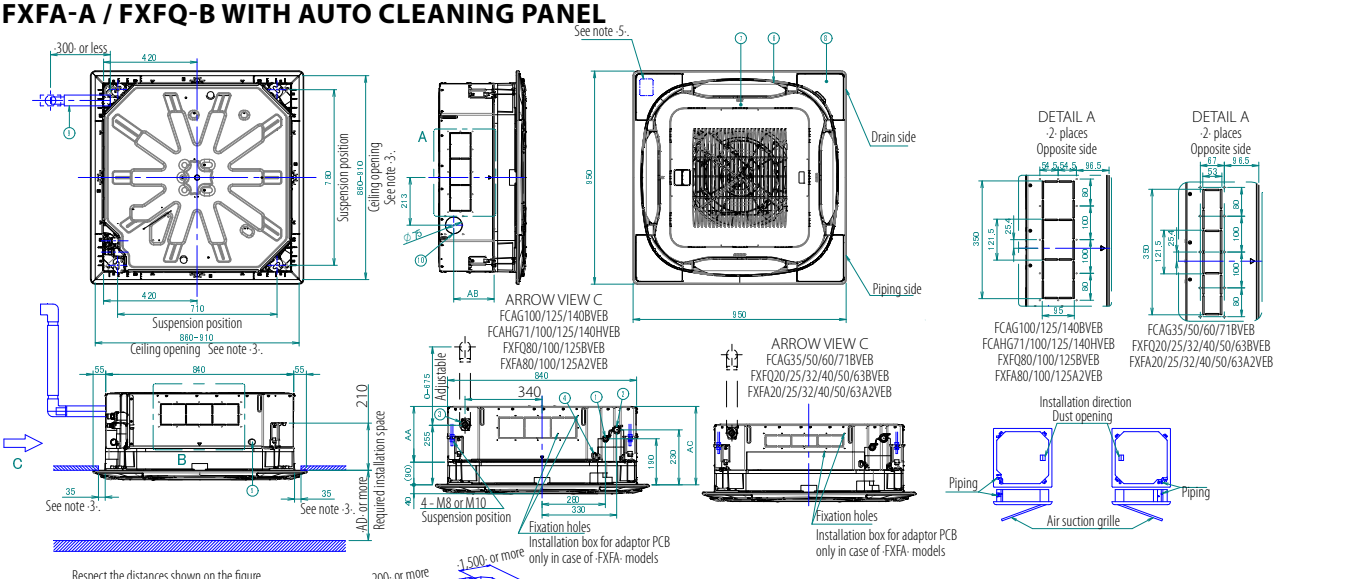
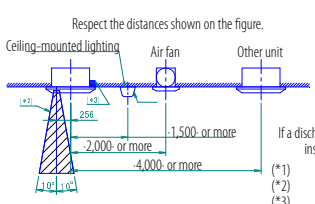
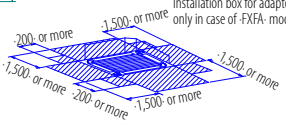
FXFA-A / FXFQ-B WITH AUTO CLEANING PANEL







Required installation space
If a discharge outlet is closed up with the "sealing member" option kit, then the required installation space on that (closed up) side is ·500·mm instead of ·1,500·mm.

(*1) Not applicable to recessed lighting.
(*2) Required space for entering with vacuum cleaner tube.
(*3) Make sure the decoration panel discharge outlet is not blocked.

Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Air suction grille
8	Corner decoration cove
9	Drain hose
10	Knockout hole

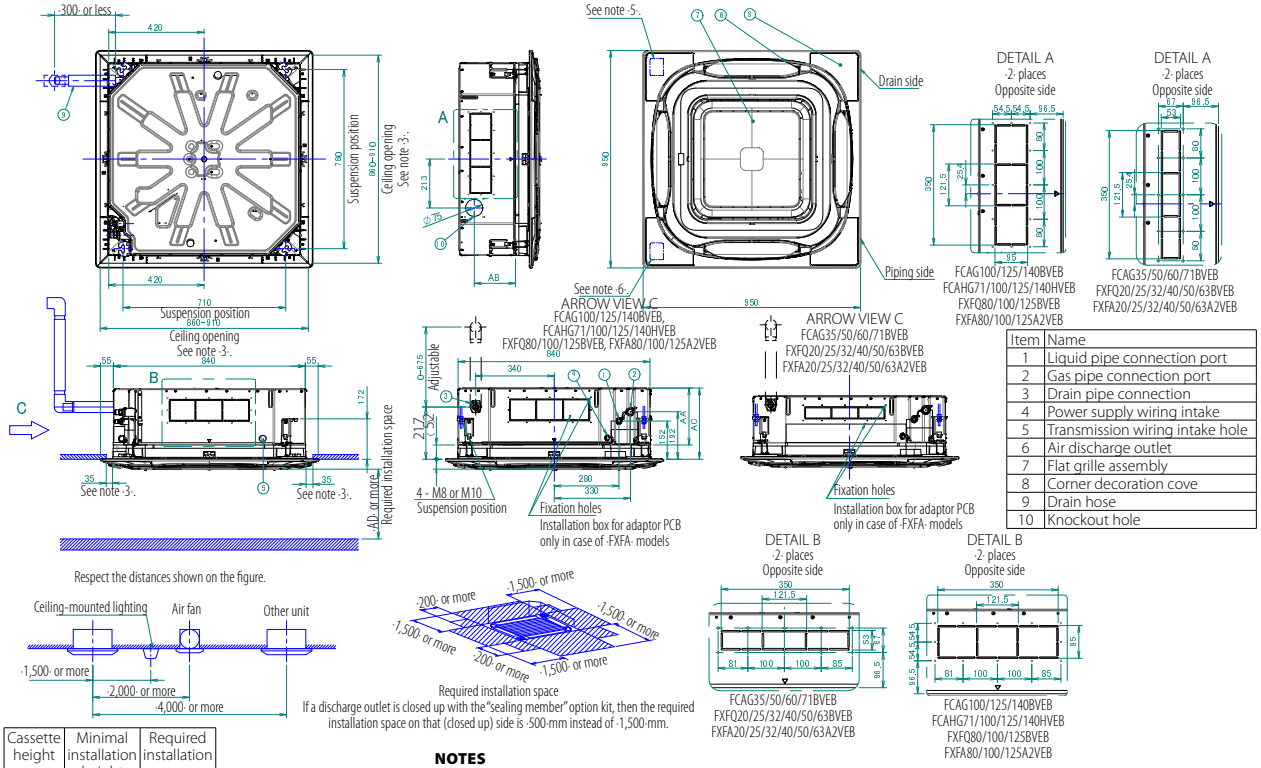
Cassette height		Minimal installation height	Required installation space	
AA	AB	AC	AD	Model
204	139	307	2,700	FCAG35/50/60/71BVEB
246	180	349	2,700	FCAG100/125/140BVEB
288	180	391	2,700	FCAHG71/100/125/140HVEB
204	139	307	2,700	FXFQ20/25/32/40/50/63BVEB
246	180	349	2,700	FXFQ80/100BVEB
288	180	391	2,700	FXFQ125BVEB
204	139	307	2,500	FXFA20/25/32/40/50/63A2VEB
246	180	349	2,500	FXFA80/100A2VEB
288	180	391	2,500	FXFA125A2VEB

NOTES

1. Location of nameplate:
   The unit nameplate is located on the control box cover.
   The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between the ceiling and the cassette does not exceed ·35·mm. The maximum ceiling opening is ·910·mm.
4. When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥·10·mm).
5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.

2D121658D

FXFA-A / FXFQ-B WITH DESIGNER PANEL



Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Flat grille assembly
8	Corner decoration cove
9	Drain hose
10	Knockout hole

If a discharge outlet is closed up with the "sealing member" option kit, then the required installation space on that (closed up) side is ·500·mm instead of ·1,500·mm.

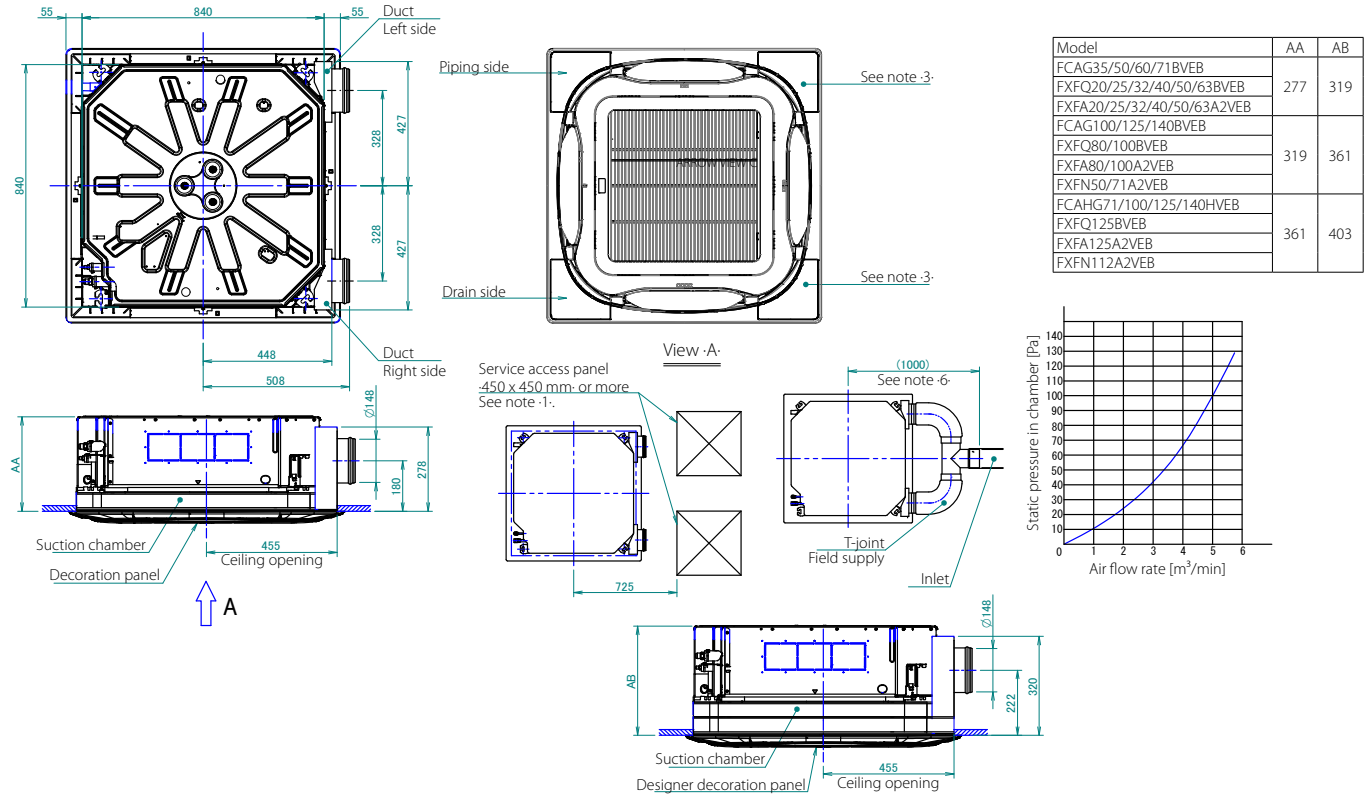
Cassette height		Minimal installation height	Required installation space	
AA	AB	AC	AD	Model
204	139	269	2,700	FCAG35/50/60/71BVEB
246	180	311	2,700	FCAG100/125/140BVEB
288	180	353	2,700	FCAHG71/100/125/140HVEB
204	139	269	2,700	FXFQ20/25/32/40/50/63BVEB
246	180	311	2,700	FXFQ80/100BVEB
288	180	353	2,700	FXFQ125BVEB
204	139	269	2,500	FXFA20/25/32/40/50/63A2VEB
246	180	311	2,500	FXFA80/100A2VEB
288	180	353	2,500	FXFA125A2VEB

NOTES

1. Location of nameplate:
   The unit nameplate is located on the control box cover.
   The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between the ceiling and the cassette does not exceed ·35·mm. The maximum ceiling opening is ·910·mm.
4. When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥·10·mm).
5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
6. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

2D121703D

FXFA-A / FXFQ-B WITH FRESH AIR INTAKE



Model	AA	AB
FCAG35/50/60/71BVEB	277	319
FXFQ20/25/32/40/50/63BVEB		
FXFA20/25/32/40/50/63A2VEB		
FCAG100/125/140BVEB	319	361
FXFQ80/100BVEB		
FXFA80/100A2VEB		
FXFN50/71A2VEB		
FCAHG71/100/125/140HVEB	361	403
FXFQ125BVEB		
FXFA125A2VEB		
FXFN112A2VEB		

NOTES

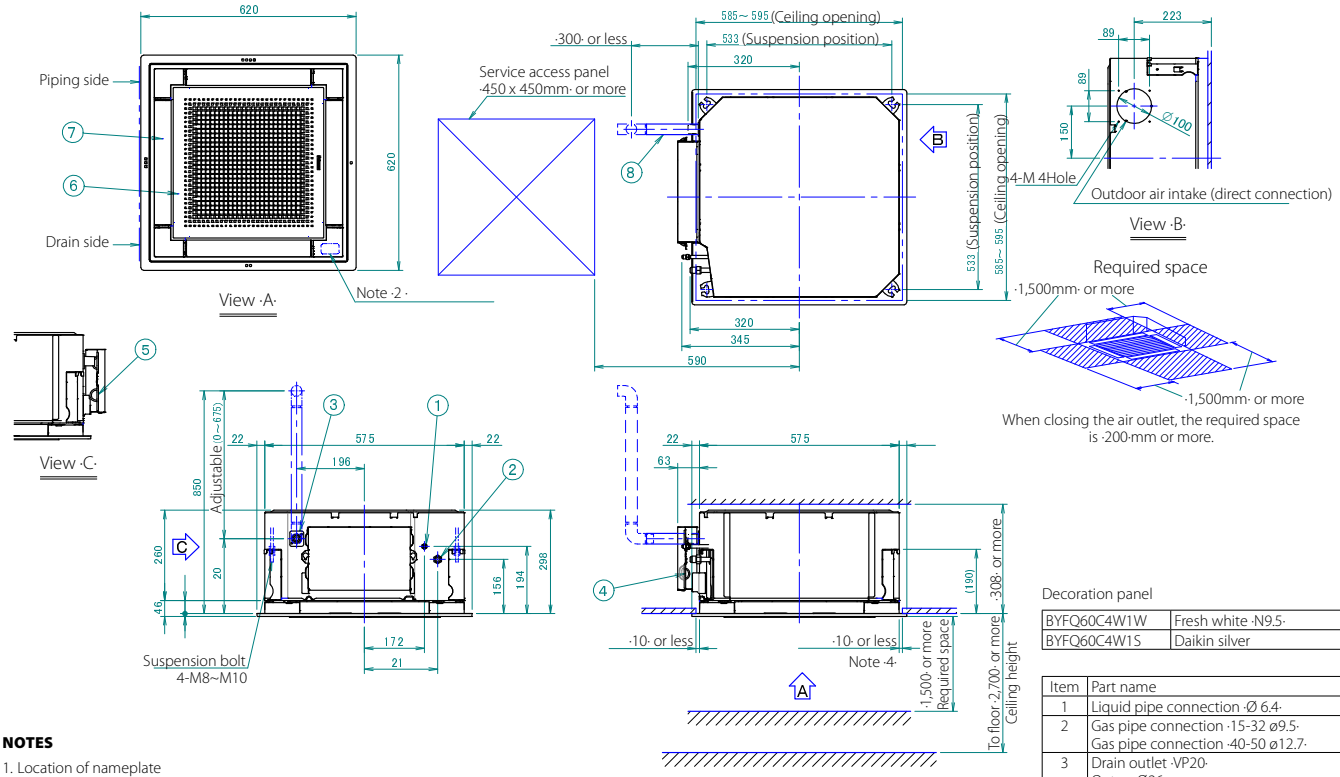
1. When installing a fresh air intake kit, provide a service access panel.
2. Field construction
3. This corner discharge outlet needs to be closed.
4. When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
5. The intake air flow rate is recommended to be ≤20% of the air flow rate at high fan speed.
   If the intake air flow rate is too large, the operating sound may increase, and the detection of the indoor unit suction temperature may be affected.
6. This indicates the distance between the T-joint inlet and the indoor unit inlet when the T-tube is connected.

3D121741C

CLICK HERE TO VIEW ALL FXZA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

CLICK HERE TO VIEW ALL FXZQ-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXZA-A / FXZQ-A NEW PANEL



Decoration panel

BYFQ60C4W1W	Fresh white ·N9.5·
BYFQ60C4W1S	Daikin silver

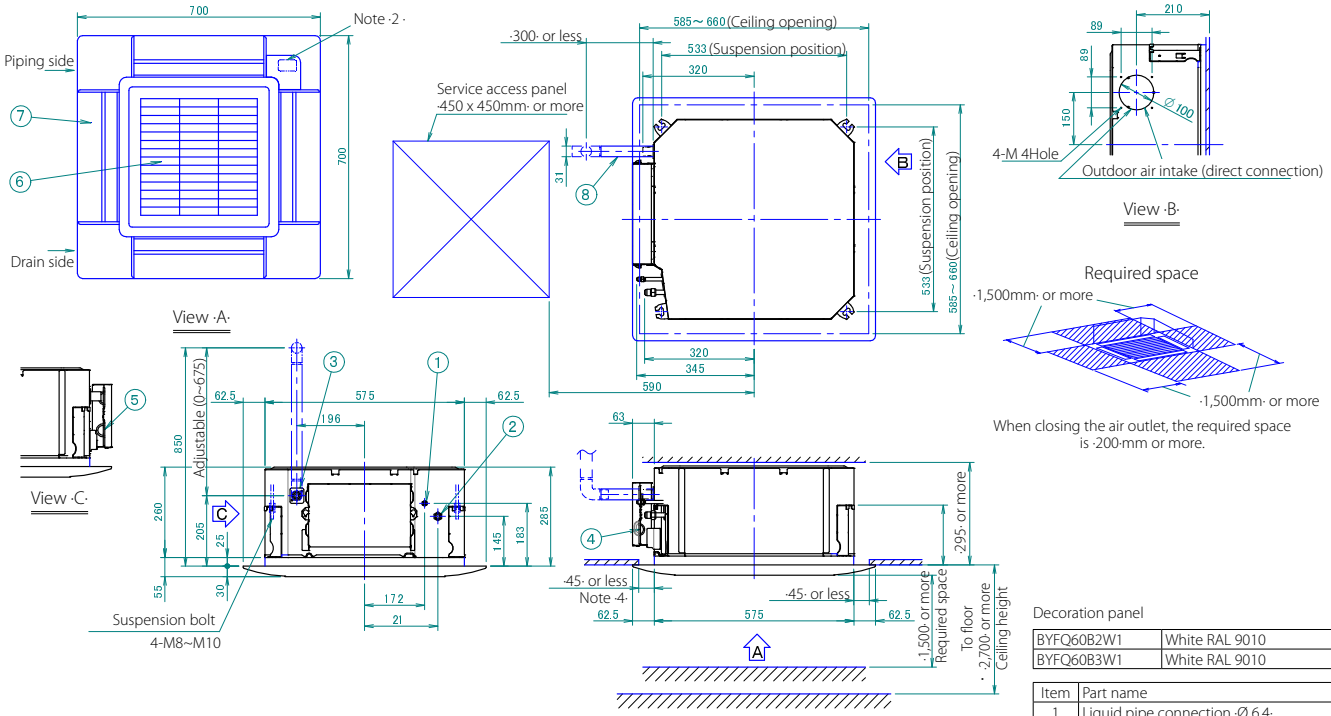
Item	Part name
1	Liquid pipe connection ·Ø 6.4·
2	Gas pipe connection ·15-32 ø9.5· Gas pipe connection ·40-50 ø12.7·
3	Drain outlet ·VP20· Outer: ·Ø26·
4	Power supply
5	Remote control wiring intake
6	Air discharge grille
7	Air suction grille
8	Drain hose Inner: ·Ø25·

3D125141A

NOTES

1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location.
   For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuously.
4. Though the installation is acceptable up to maximum ·595·mm square ceiling opening, keep the clearance of ·10·mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

FXZA-A OLD PANEL



Decoration panel

BYFQ60B2W1	White RAL 9010
BYFQ60B3W1	White RAL 9010

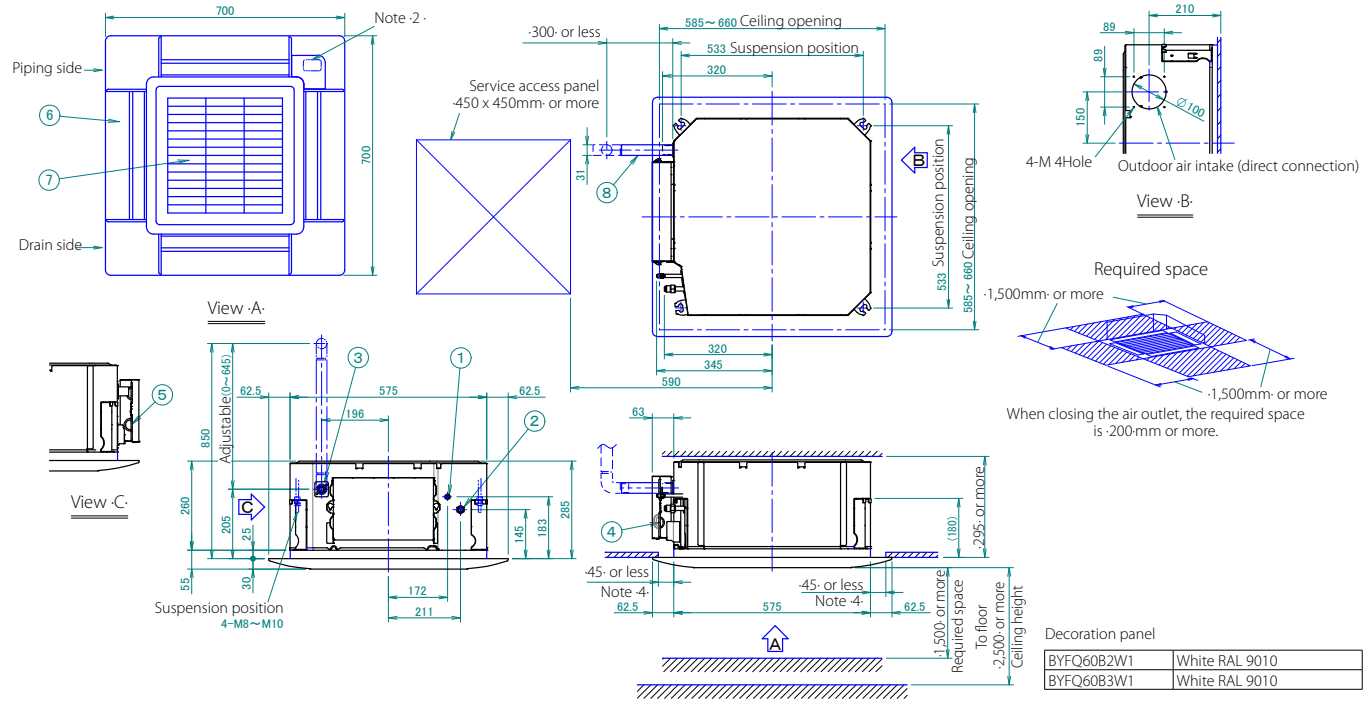
Item	Part name
1	Liquid pipe connection ·Ø 6.4·
2	Gas pipe connection ·15-32 ø9.5· Gas pipe connection ·40-50 ø12.7·
3	Drain outlet ·VP20· Outer: ·Ø26·
4	Power supply
5	Remote control wiring intake
6	Air discharge grille
7	Air suction grille
8	Drain hose Inner: ·Ø25·

3D125613A

NOTES

1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location.
   For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuously.
4. Though the installation is acceptable up to maximum ·660·mm square ceiling opening, keep the clearance of ·45·mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

FXZQ-A OLD PANEL



Decoration panel

BYFQ60B2W1	White RAL 9010
BYFQ60B3W1	White RAL 9010

Item	Part name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain outlet ·VP20· Outer: ·Ø26·
4	Power supply
5	Remote control wiring intake
6	Air discharge grille
7	Air suction grille
8	Drain hose Inner: ·Ø25·

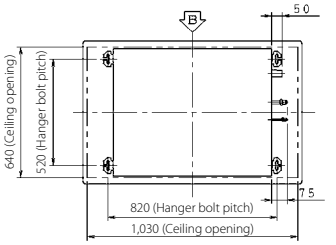
NOTES

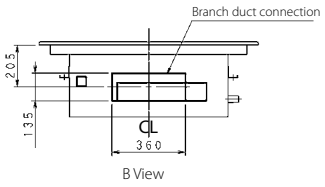
1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuously.
4. Though the installation is acceptable up to maximum ·660·mm square ceiling opening, keep the clearance of ·45·mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

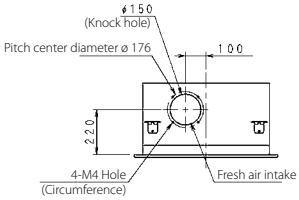
3D082161D

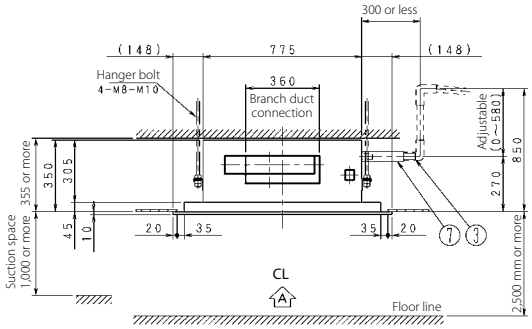
CLICK HERE TO VIEW ALL FXCQ-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

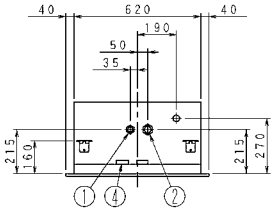
FXCQ20-40A



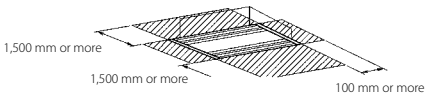


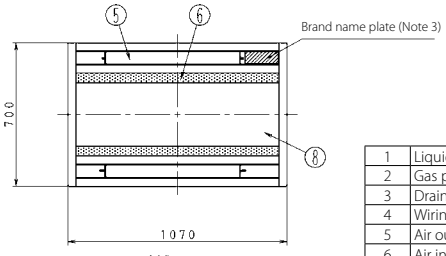






Required installation space





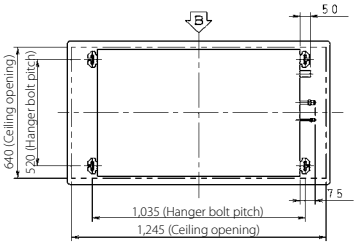
NOTES

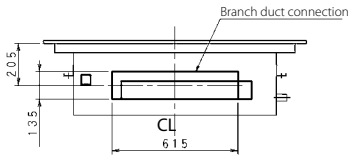
1. Sticking locations for manufacturer's label
   Manufacturer's label for indoor unit:
   Suction panel inner side's control box lid surface
   Manufacturer's label for decoration panel:
   Suction panel inner side's panel frame surface
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote controller, this position will be a signal receiver.
   Refer to the drawing of infrared remote controller in detail.
4. When the temperature and humidity in the ceiling exceed 30°C and RH 80%, the additional insulation is required.
   Insulation: Thickness 10mm or more, Glass wool or polyethylene foam.
5. Please do not place the thing been damp and troubled under an indoor unit.
   When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

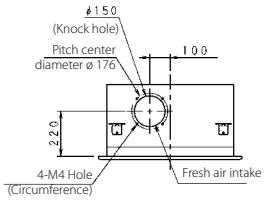
1	Liquid pipe connection	ø 6.4 Flare connection
2	Gas pipe connection	ø 12.7 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Wiring penetrating hole	
5	Air outlet	
6	Air inlet	
7	Drain Hose (Accesory)	O.D. ø 32 (Main body side connection: O.D. ø 26)
8	Suction panel	

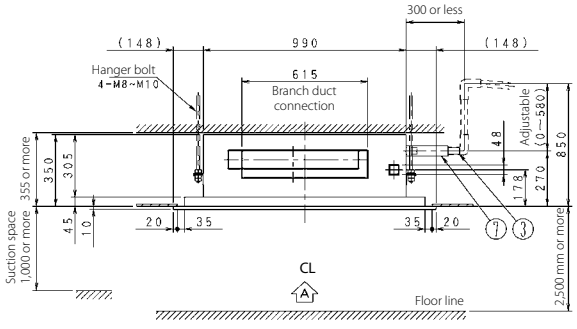
3D079628

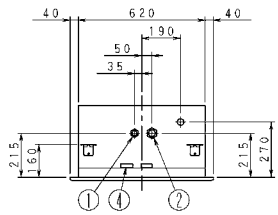
FXCQ50A



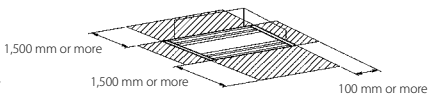


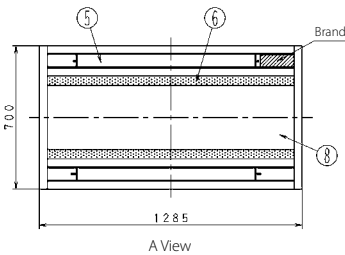






Required installation space





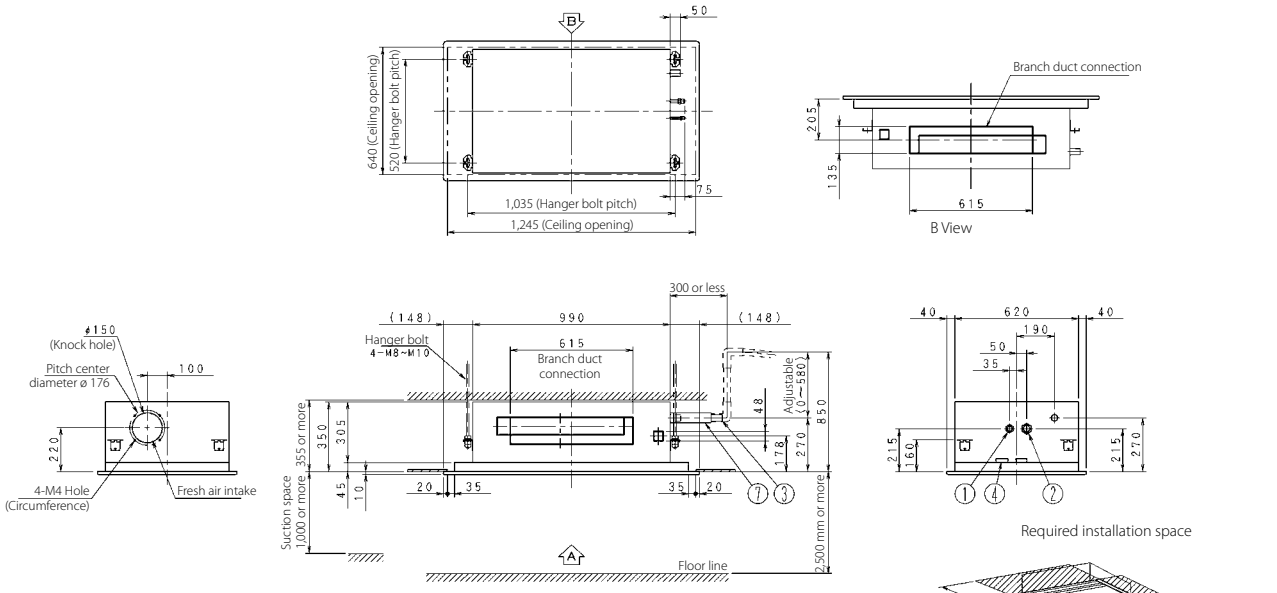
NOTES

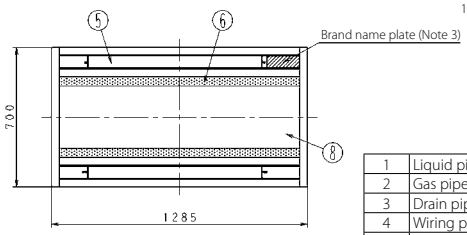
1. Sticking locations for manufacturer's label
   Manufacturer's label for indoor unit:
   Suction panel inner side's control box lid surface
   Manufacturer's label for decoration panel:
   Suction panel inner side's panel frame surface
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote controller, this position will be a signal receiver.
   Refer to the drawing of infrared remote controller in detail.
4. When the temperature and humidity in the ceiling exceed 30°C and RH 80%, the additional insulation is required.
   Insulation: Thickness 10mm or more, Glass wool or polyethylene foam.
5. Please do not place the thing been damp and troubled under an indoor unit.
   When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

1	Liquid pipe connection	ø 6.4 Flare connection
2	Gas pipe connection	ø 12.7 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Wiring penetrating hole	
5	Air outlet	
6	Air inlet	
7	Drain Hose (Accesory)	O.D. ø 32 (Main body side connection: O.D. ø 26)
8	Suction panel	

3D079629

FXCQ63A





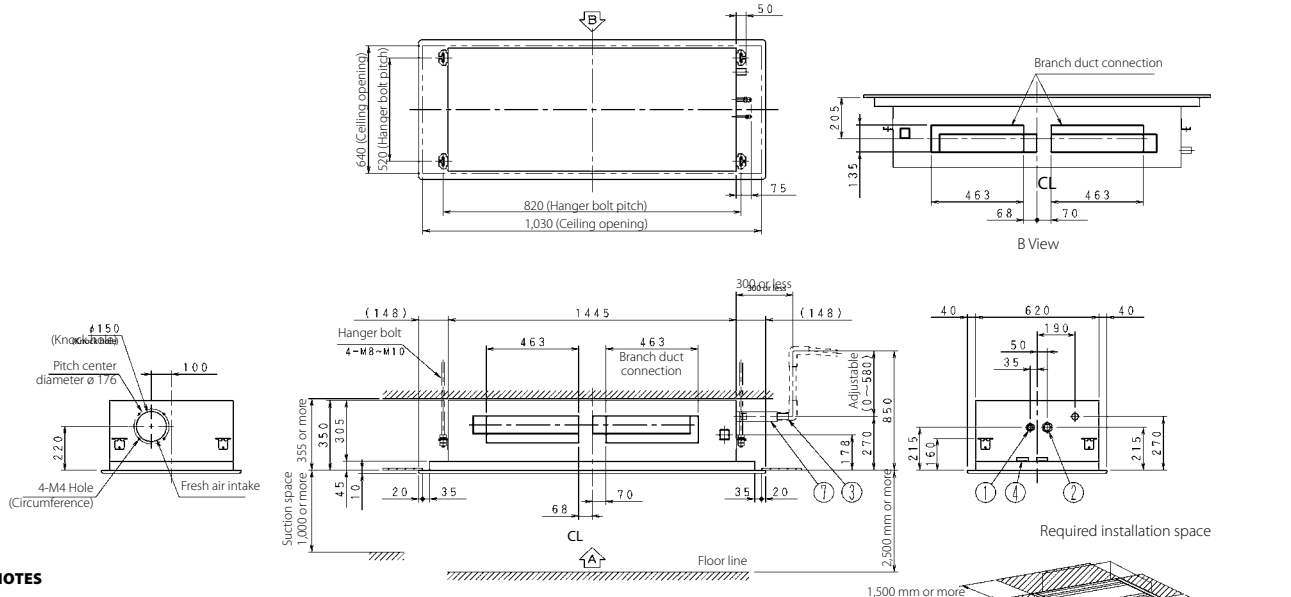
NOTES

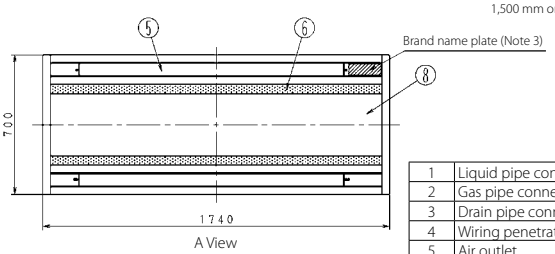
1. Sticking locations for manufacturer's label
   Manufacturer's label for indoor unit:
   Suction panel inner side's control box lid surface
   Manufacturer's label for decoration panel:
   Suction panel inner side's panel frame surface
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote controller, this position will be a signal receiver.
   Refer to the drawing of infrared remote controller in detail.
4. When the temperature and humidity in the ceiling exceed 30°C and RH 80%, the additional insulation is required.
   Insulation: Thickness 10mm or more, Glass wool or polyethylene foam.
5. Please do not place the thing been damp and troubled under an indoor unit.
   When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

1	Liquid pipe connection	ø 9.5 Flare connection
2	Gas pipe connection	ø 15.9 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Wiring penetrating hole	
5	Air outlet	
6	Air inlet	
7	Drain Hose (Accesory)	O.D. ø 32 (Main body side connection: O.D. ø 26)
8	Suction panel	

3D079630

FXCQ80-125A





NOTES

1. Sticking locations for manufacturer's label
   Manufacturer's label for indoor unit:
   Suction panel inner side's control box lid surface
   Manufacturer's label for decoration panel:
   Suction panel inner side's panel frame surface
2. When installing an optional accessory, refer to the installation drawings.
3. In case of using infrared remote controller, this position will be a signal receiver.
   Refer to the drawing of infrared remote controller in detail.
4. When the temperature and humidity in the ceiling exceed 30°C and RH 80%, the additional insulation is required.
   Insulation: Thickness 10mm or more, Glass wool or polyethylene foam.
5. Please do not place the thing been damp and troubled under an indoor unit.
   When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

1	Liquid pipe connection	ø 9.5 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Wiring penetrating hole	
5	Air outlet	
6	Air inlet	
7	Drain Hose (Accesory)	O.D. ø 32 (Main body side connection: O.D. ø 26)
8	Suction panel	

3D079631

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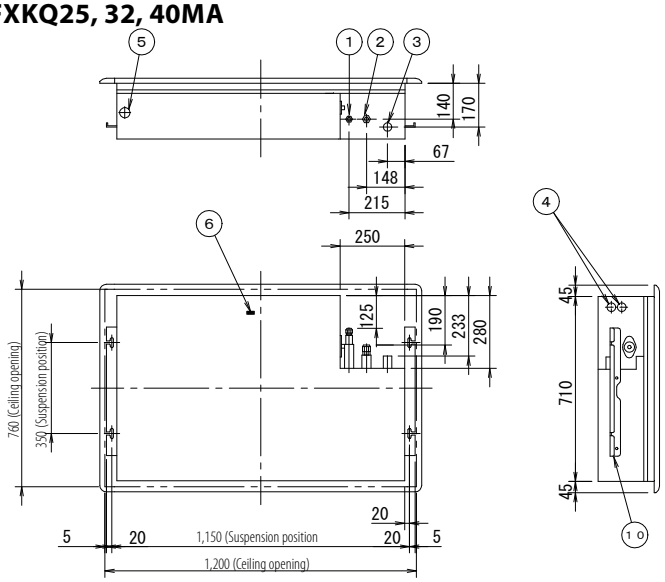
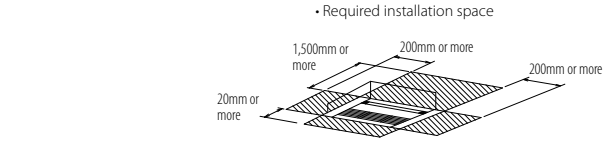
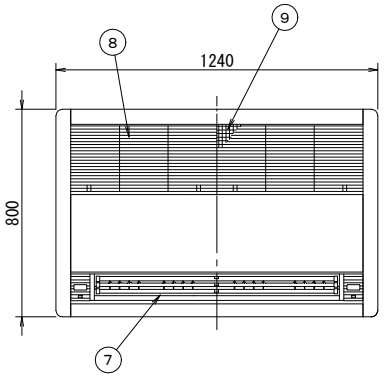
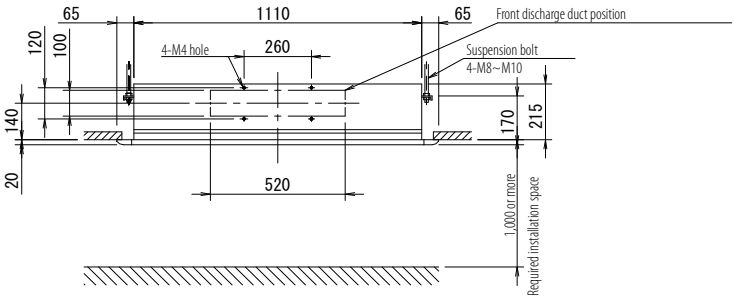
FXKQ25, 32, 40MA









NOTES

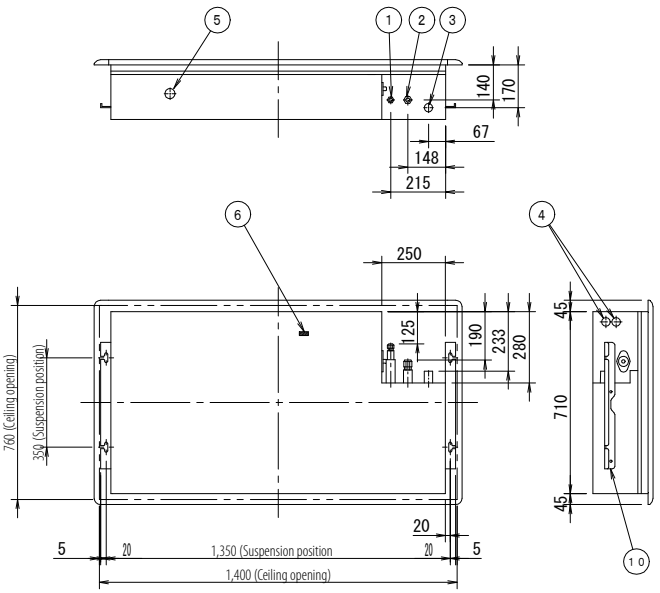
1. Location of unit's Name plate
   - For main body: Bottom part of fan housing inside of Air suction grille.
   - For decoration panel: Service lid face inside of Air suction grille.
2. When installing an optional accessory, refer to the installation drawings.

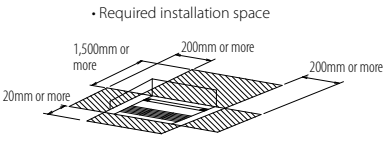
Number	Name	Description
1	Liquid pipe connection	Ø 6.4 flare connection
2	Gas pipe connection	Ø 12.7 flare connection
3	Drain pipe connection	VP25 (O.D. Ø32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	Inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

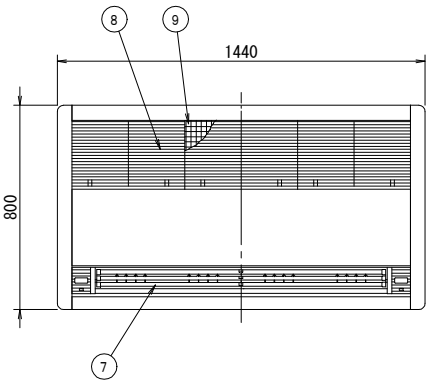
VRV Air Conditioner indoor unit
Ceiling-mounted cassette type <corner model>

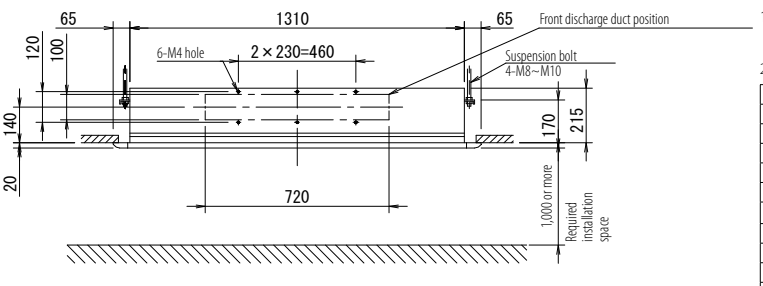
3D038840A

FXKQ63MA









NOTES

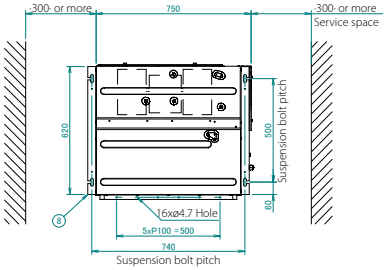
1. Location of unit's Name plate
   - For main body: Bottom part of fan housing inside of Air suction grille.
   - For decoration panel: Service lid face inside of Air suction grille.
2. When installing an optional accessory, refer to the installation drawings.

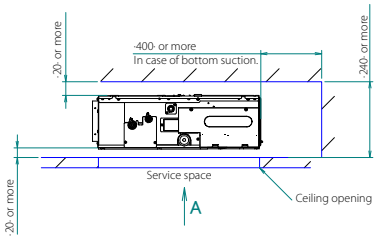
Number	Name	Description
1	Liquid pipe connection	Ø 9.5 flare connection
2	Gas pipe connection	Ø 15.9 flare connection
3	Drain pipe connection	VP25 (O.D. Ø32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	Inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

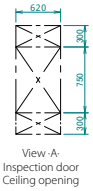
3D038841A

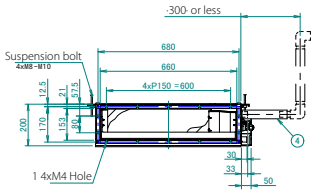
FXDA10-32A

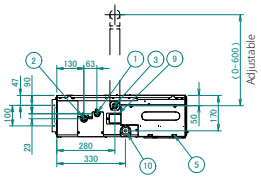
Service space of installation box for adaptor PCB.

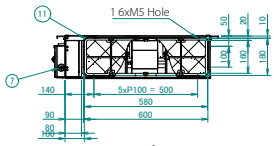




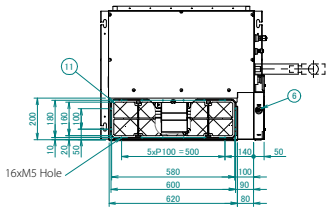




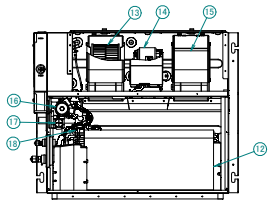




In case of rear suction.



In case of bottom suction.



Item	
1	Liquid pipe connection ·ø6.35· Flare connection
2	Gas pipe connection ·ø9.52· Flare connection
3	Drain pipe connection Outside diameter: ·ø26· Inside diameter: ·ø20·
4	Drain hose (accessory) Inside diameter: ·ø25·
5	Control box
6	Transmission wiring connection
7	Power supply connection
8	Suspension bracket
9	Inspection door
10	Drain socket
11	Air filter (accessory)
12	Heat exchanger
13	Turbo fan
14	Fan motor
15	Fan housing
16	Drain pump
17	Float switch
18	Electronic expansion valve

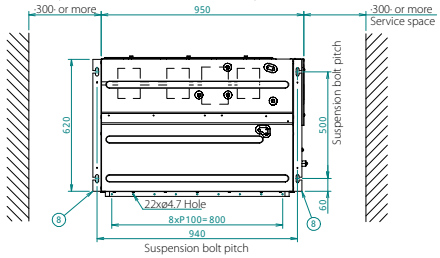
NOTES

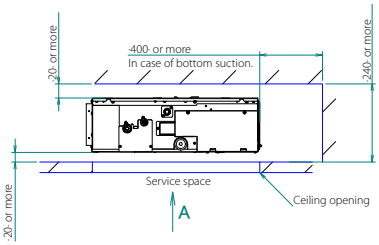
1. In case of bottom suction, mount the chamber cover to the backside of the unit.
   For more information, refer to the installation manual.
2. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   For more information, refer to the installation manual.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
   Use an air filter with a dust collecting efficiency of at least ·50·% (measured by gravimetric analysis).
   When a duct is connected at the suction side, it is not possible to mount an air filter.

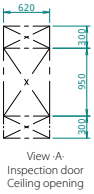
2D126395

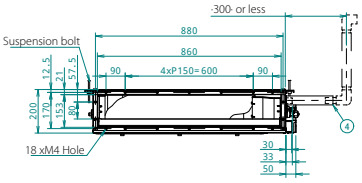
FXDA40-50A

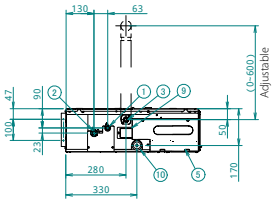
Service space of installation box for adaptor PCB.

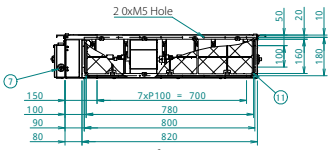




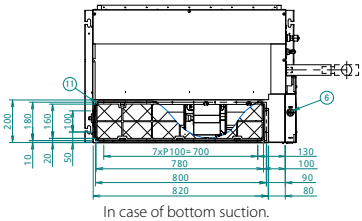




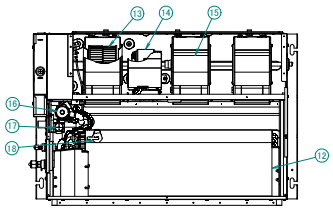




In case of rear suction.



In case of bottom suction.



Item	
1	Liquid pipe connection ·ø6.35· Flare connection
2	Gas pipe connection ·ø12.70· Flare connection
3	Drain pipe connection Outside diameter: ·ø26· Inside diameter: ·ø20·
4	Drain hose (accessory) Inside diameter: ·ø25·
5	Control box
6	Transmission wiring connection
7	Power supply connection
8	Suspension bracket
9	Inspection door
10	Drain socket
11	Air filter (accessory)
12	Heat exchanger
13	Turbo fan
14	Fan motor
15	Fan housing
16	Drain pump
17	Float switch
18	Electronic expansion valve

NOTES

1. In case of bottom suction, mount the chamber cover to the backside of the unit.
   For more information, refer to the installation manual.
2. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   For more information, refer to the installation manual.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
   Use an air filter with a dust collecting efficiency of at least ·50·% (measured by gravimetric analysis).
   When a duct is connected at the suction side, it is not possible to mount an air filter.

2D126677

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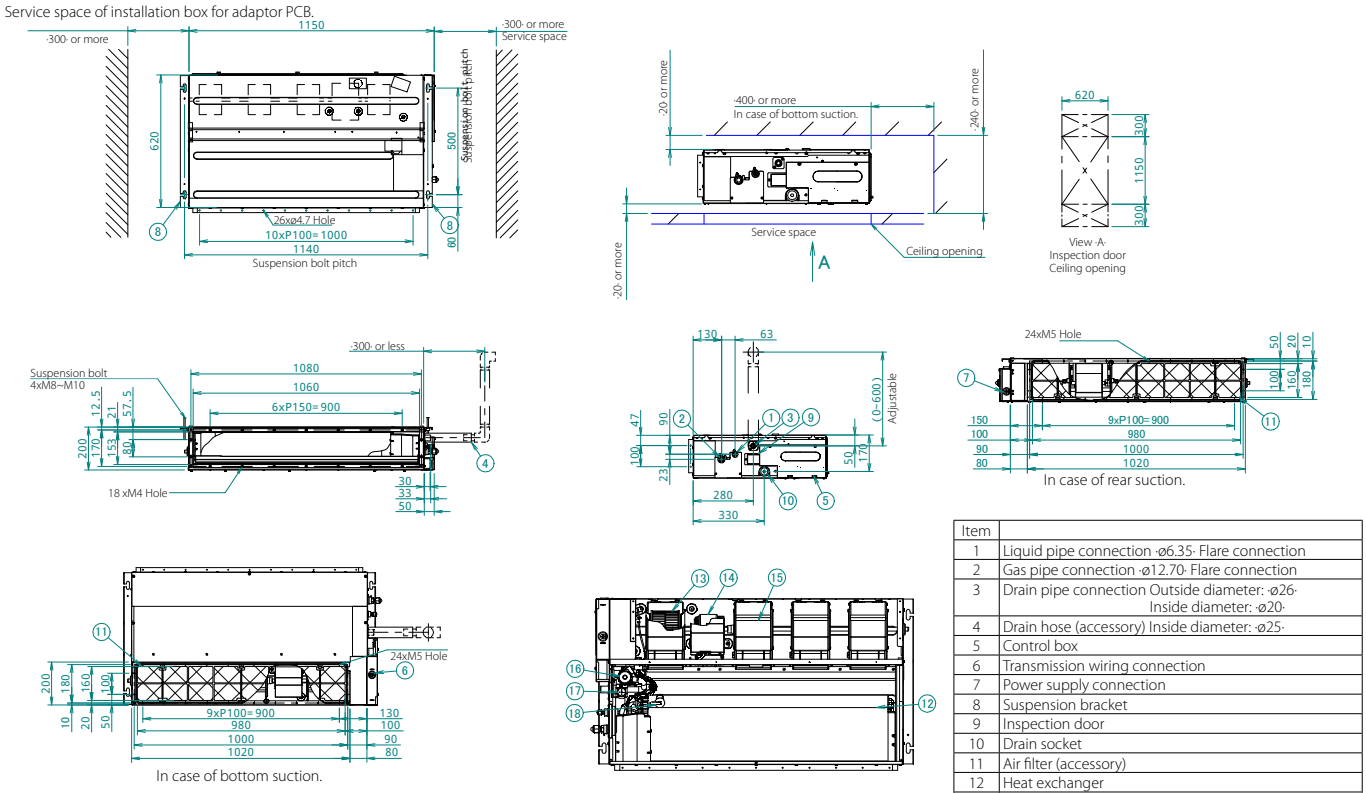
FXDA63A



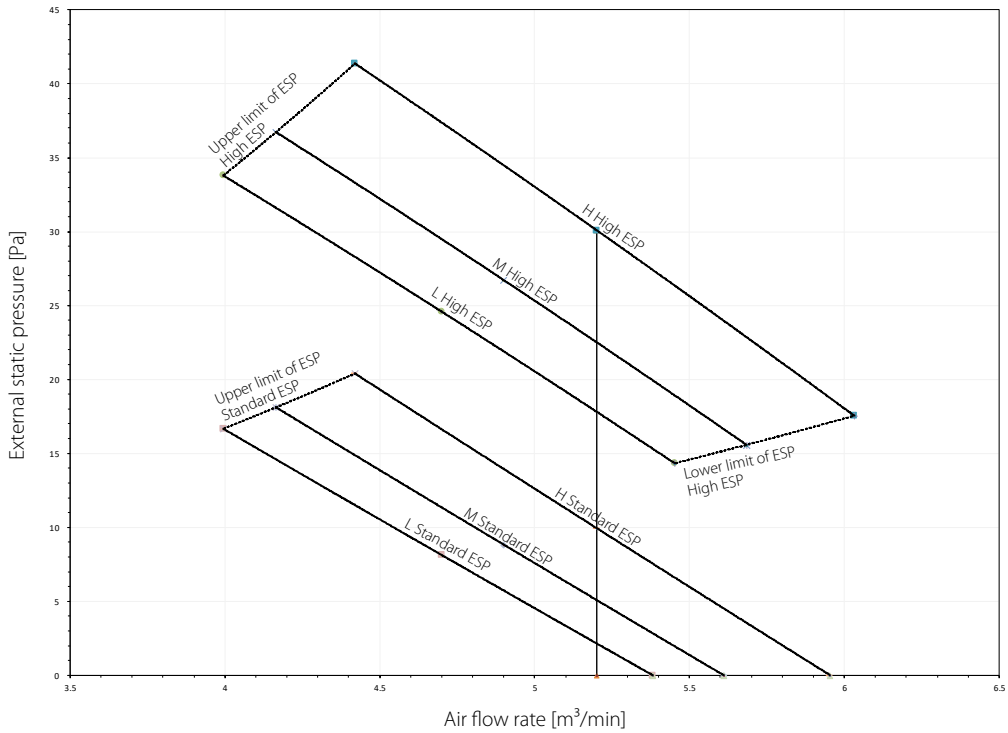
Item	
1	Liquid pipe connection ·ø6.35· Flare connection
2	Gas pipe connection ·ø12.70· Flare connection
3	Drain pipe connection Outside diameter: ·ø26· Inside diameter: ·ø20·
4	Drain hose (accessory) Inside diameter: ·ø25·
5	Control box
6	Transmission wiring connection
7	Power supply connection
8	Suspension bracket
9	Inspection door
10	Drain socket
11	Air filter (accessory)
12	Heat exchanger
13	Turbo fan
14	Fan motor
15	Fan housing
16	Drain pump
17	Float switch
18	Electronic expansion valve

NOTES

1. In case of bottom suction, mount the chamber cover to the backside of the unit.
   For more information, refer to the installation manual.
2. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   For more information, refer to the installation manual.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
   Use an air filter with a dust collecting efficiency of at least ·50·% (measured by gravimetric analysis).
   When a duct is connected at the suction side, it is not possible to mount an air filter.

2D126592

FXDA10A

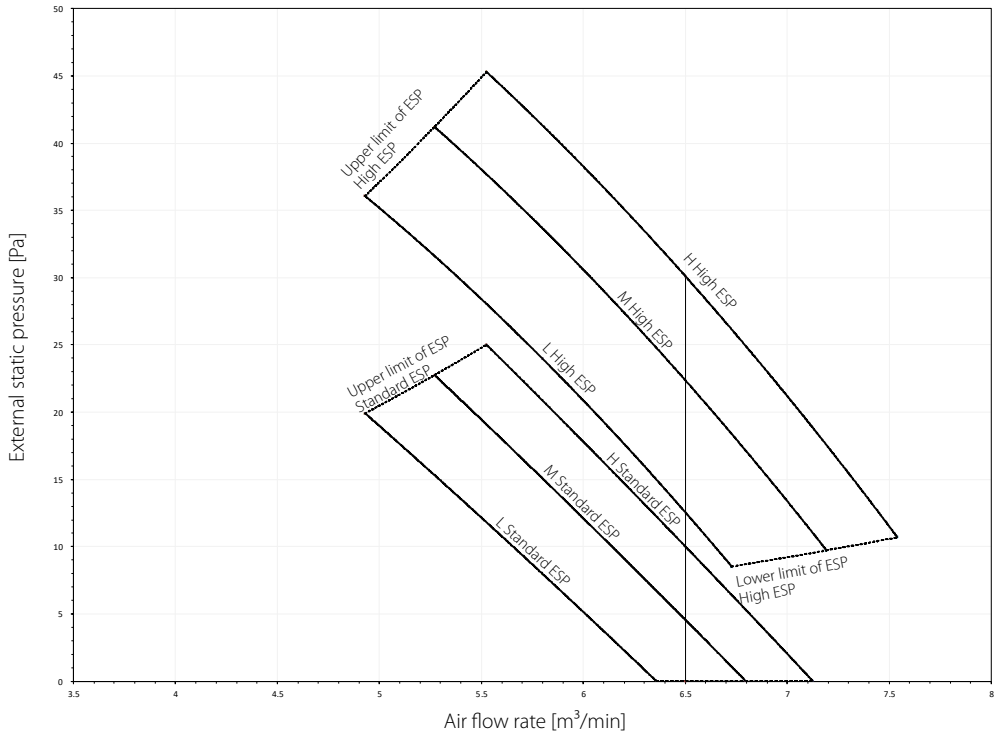


NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure
3. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D129552

FXDA15A

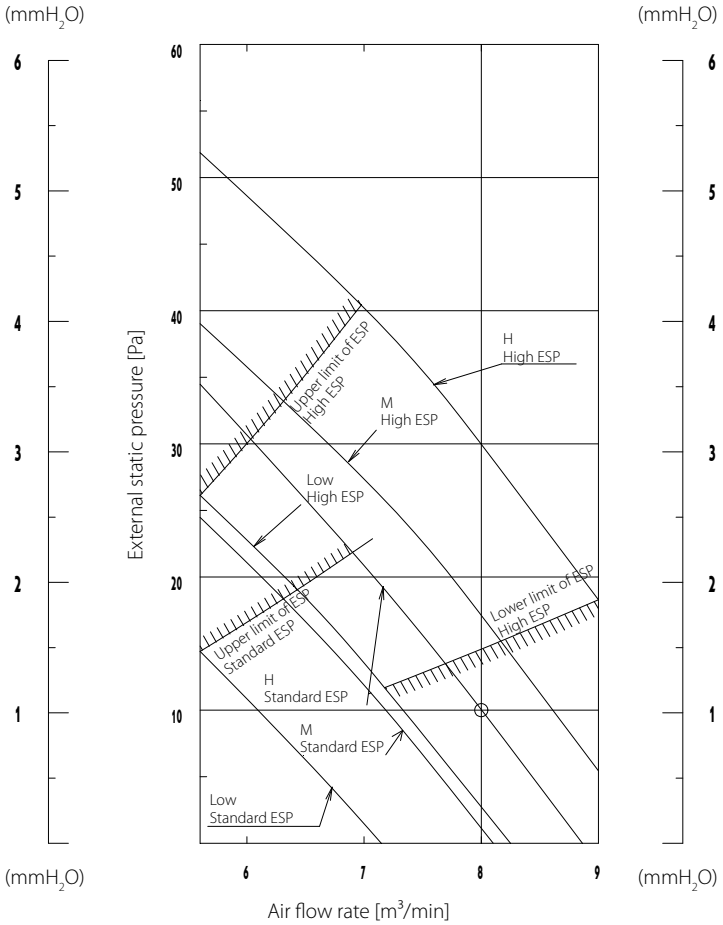


NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure
3. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D129553

FXDA20-25A



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D086736B

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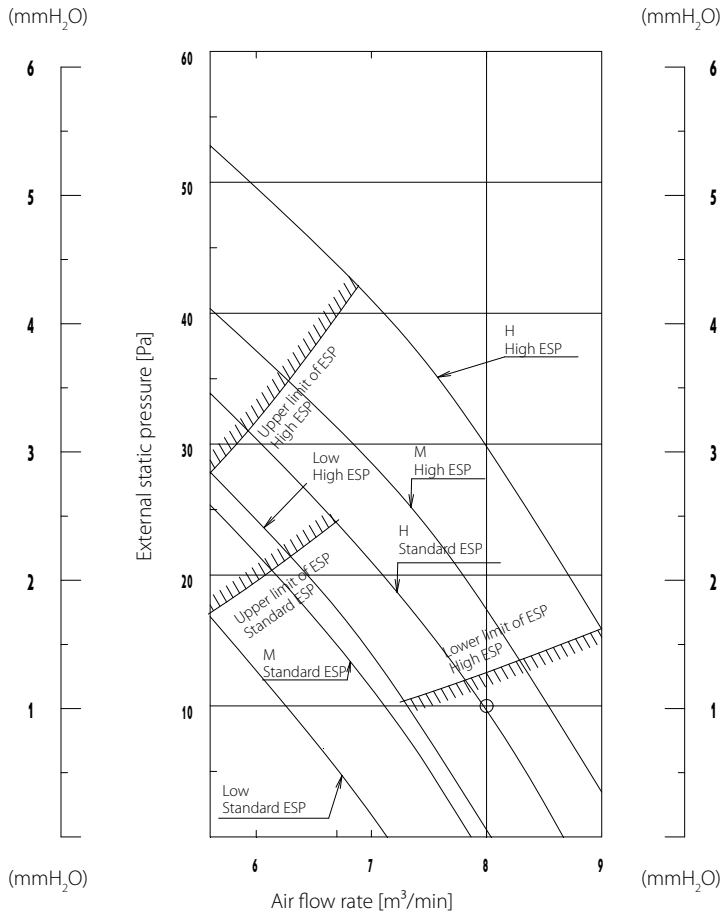
FXDA32A

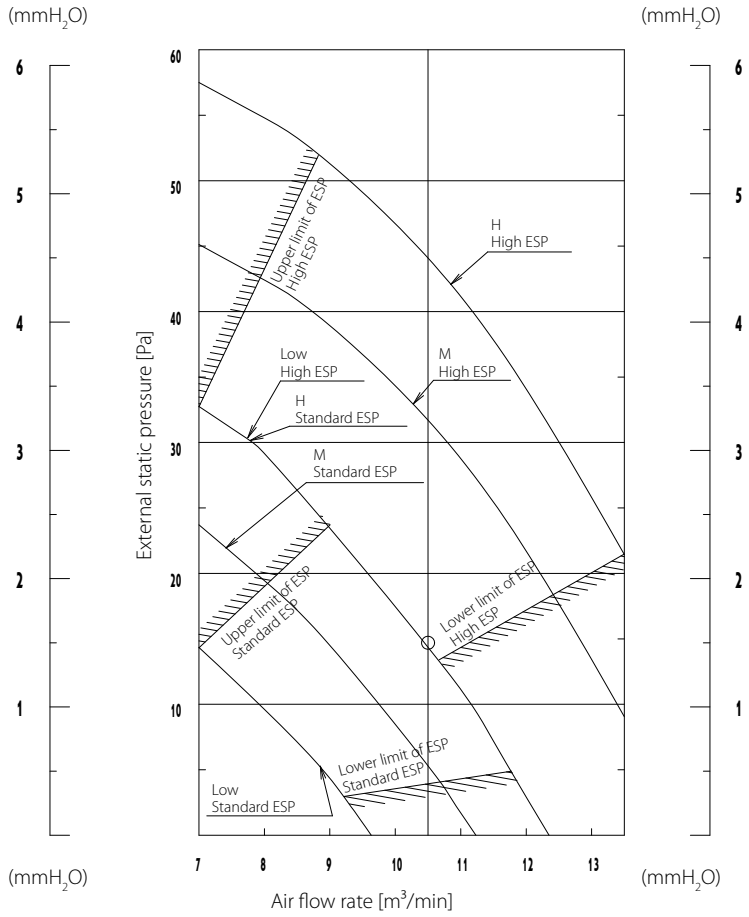


NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081425C

FXDA40A



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081426C

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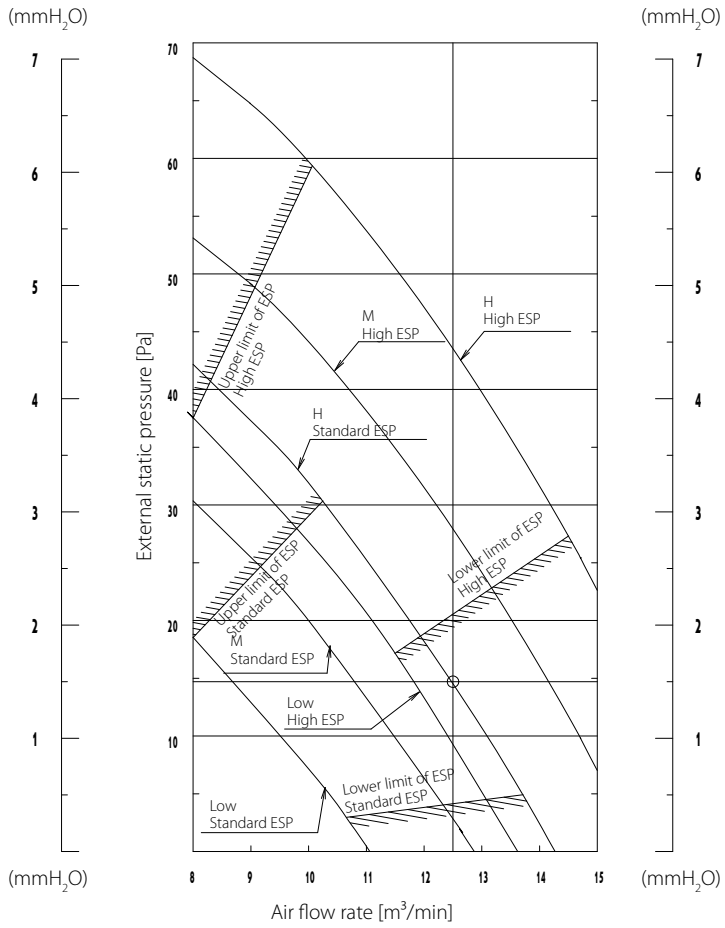
FXDA50A

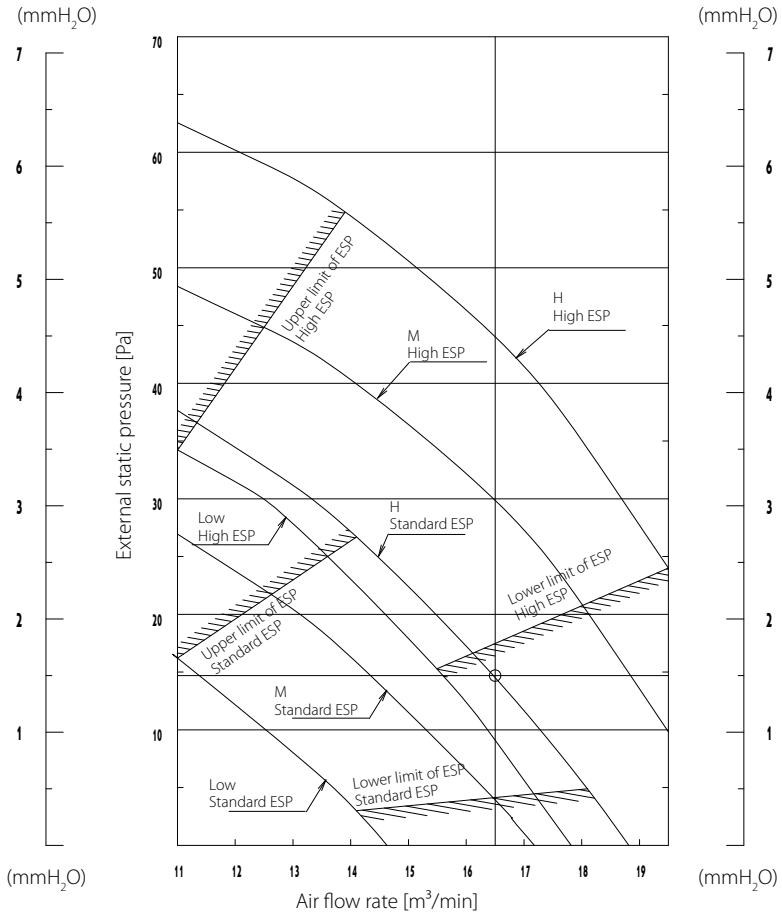


NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081427C

FXDA63A



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081429C

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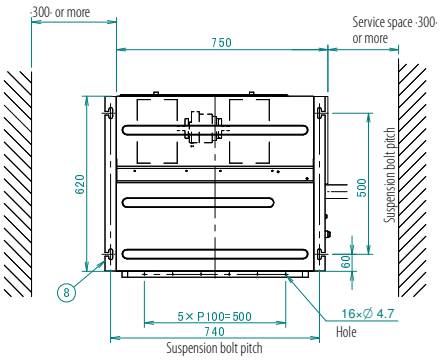
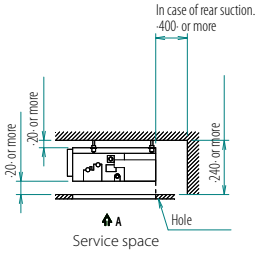
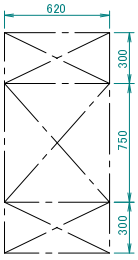
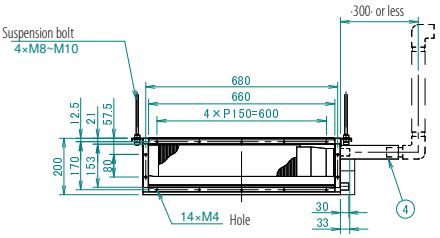
FXDQ15-32A3

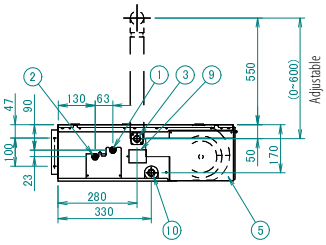
Service space of installation box for adaptor PCB.

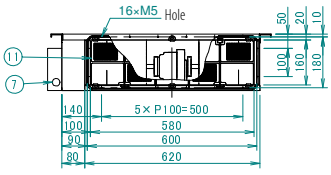




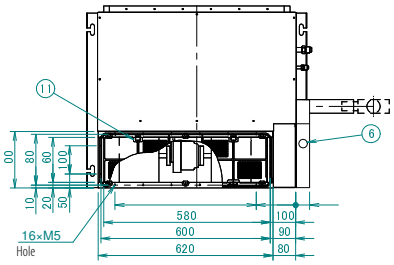








In case of rear suction.



In case of bottom suction.

NOTES

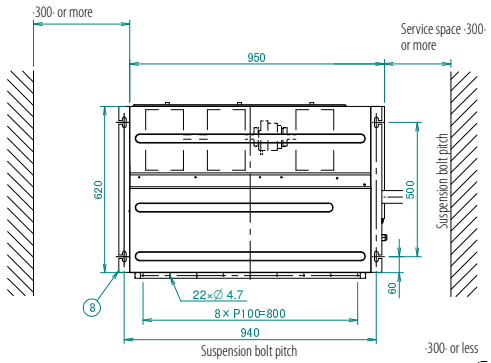
1. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   In case of bottom suction, mount the chamber cover to the backside of the unit.
2. In case of bottom suction, no service space is required at the rear side.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
   Use an air filter with a dust collecting efficiency of at least 50% (measured by gravimetric analysis).
   When a duct is connected at the suction side, it is not possible to mount an air filter.

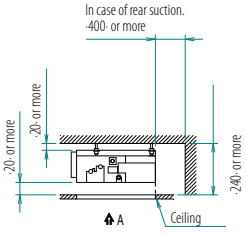
Item	Name	Description
1	Liquid pipe connection port	ø 6.4 Flare connection
2	Gas pipe connection port	ø 12.7 Flare connection
3	Drain pipe connection	VP-20 (ID 20 x OD 26)
4	Drain hose (accessory)	Inside diameter: 25 Outlet
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Maintenance cover	
10	Drain socket	
11	Air filter (accessory)	

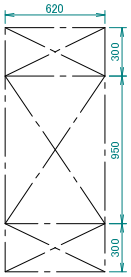
3D081435A

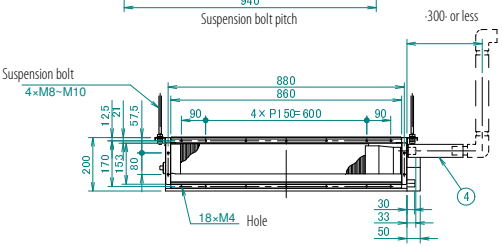
FXDQ40-50A3

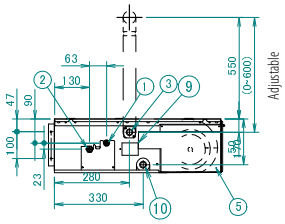
Service space of installation box for adaptor PCB.

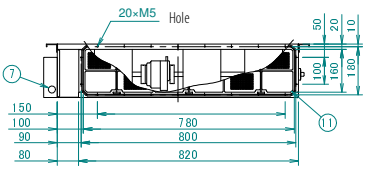




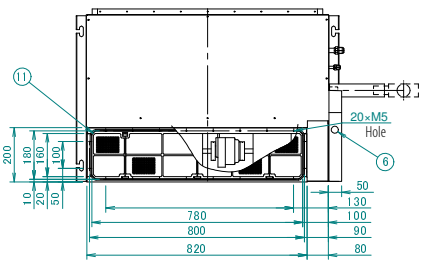








In case of rear suction.



In case of bottom suction.

NOTES

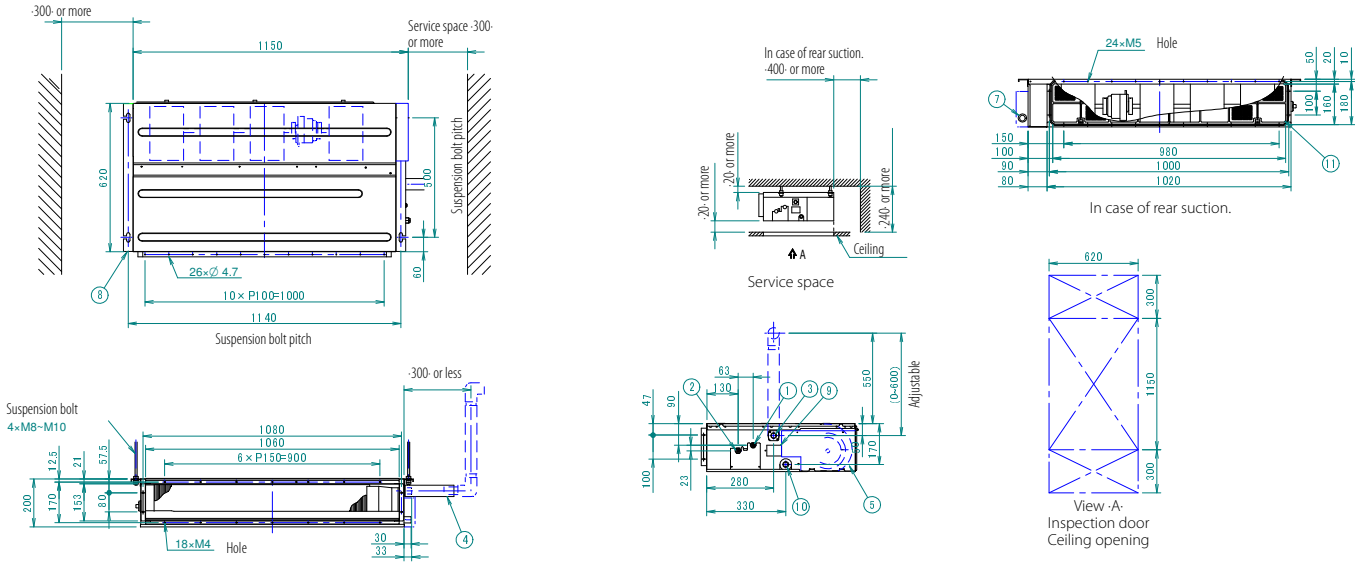
1. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   In case of bottom suction, mount the chamber cover to the backside of the unit.
2. In case of bottom suction, no service space is required at the rear side.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
   Use an air filter with a dust collecting efficiency of at least 50% (measured by gravimetric analysis).
   When a duct is connected at the suction side, it is not possible to mount an air filter.

Item	Name	Description
1	Liquid pipe connection port	ø 6.4 Flare connection
2	Gas pipe connection port	ø 12.7 Flare connection
3	Drain pipe connection	VP-20 (ID 20 x OD 26)
4	Drain hose (accessory)	Inside diameter: 25 Outlet
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Maintenance cover	
10	Drain socket	
11	Air filter (accessory)	

3D081436A

FXDQ63A3

Service space of installation box for adaptor PCB.



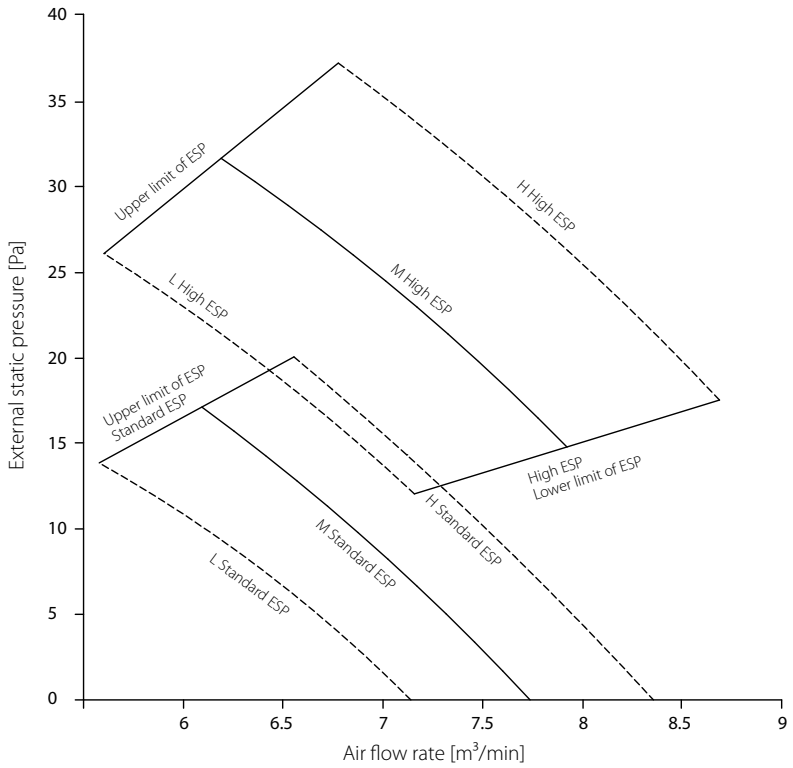
NOTES

1. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   In case of bottom suction, mount the chamber cover to the backside of the unit.
2. In case of bottom suction, no service space is required at the rear side.
3. The unit nameplate is located on the control box cover.
4. Mount the air filter at the suction side.
   Use an air filter with a dust collecting efficiency of at least ·50·% (measured by gravimetric analysis).
   When a duct is connected at the suction side, it is not possible to mount an air filter.

Item	Name	Description
1	Liquid pipe connection port	ø 6.4 Flare connection
2	Gas pipe connection port	ø 12.7 Flare connection
3	Drain pipe connection	VP·20· (ID ·20· x OD ·26·)
4	Drain hose (accessory)	Inside diameter: ·25· Outlet
5	Control box	
6	Transmission wiring connection	
7	Power supply connection	
8	Suspension bracket	
9	Maintenance cover	
10	Drain socket	
11	Air filter (accessory)	

3D081441A

FXDQ15A3



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081424C

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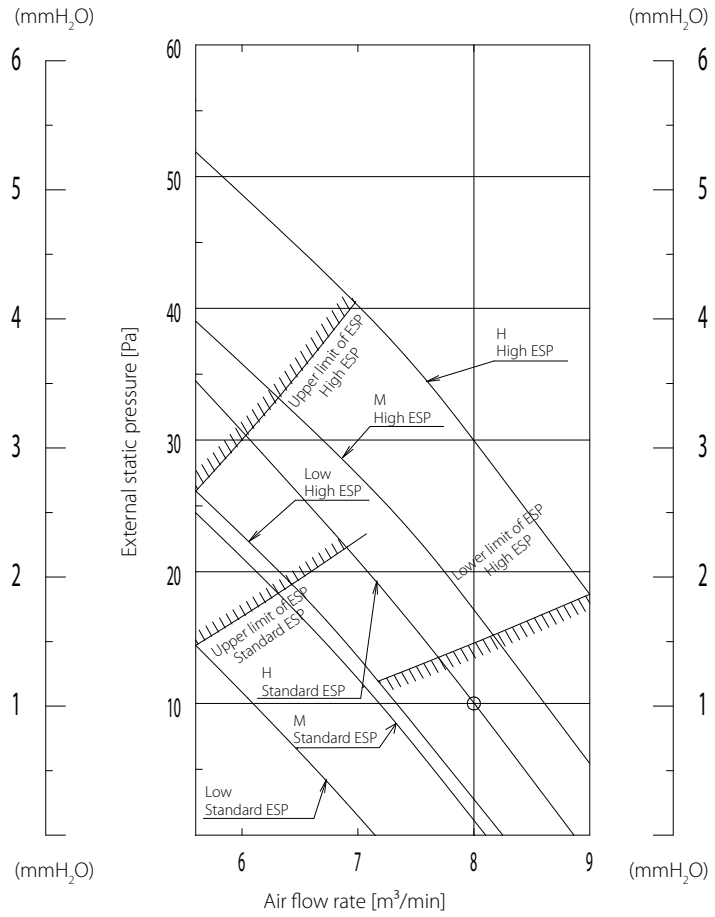
FXDQ20-25A3

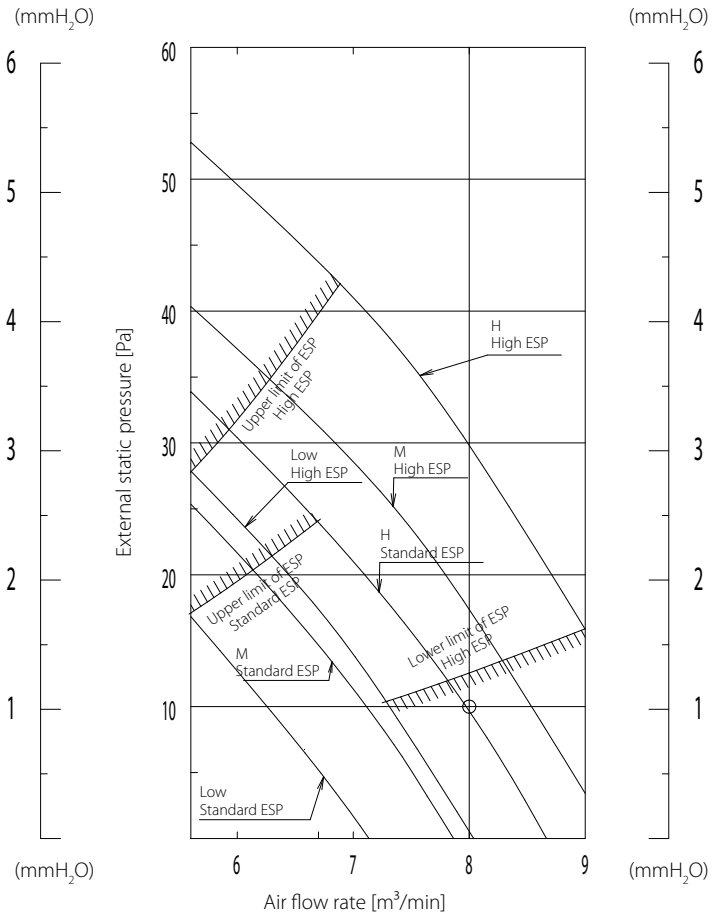


NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D086736B

FXDQ32A3



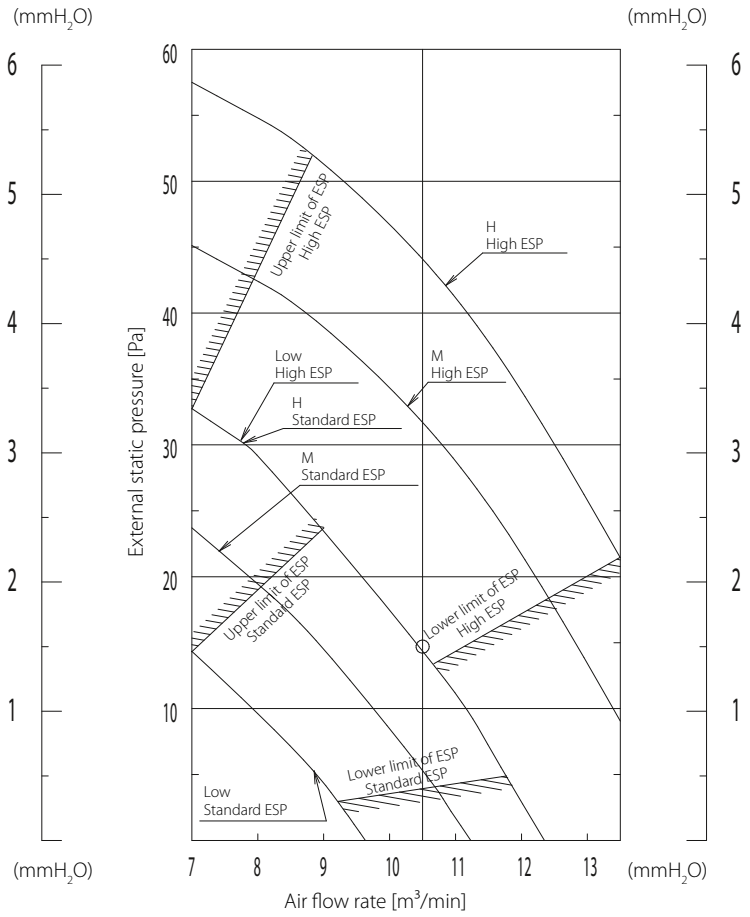
NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081425C

CLICK HERE TO VIEW ALL FXDQ-A3 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXDQ40A3

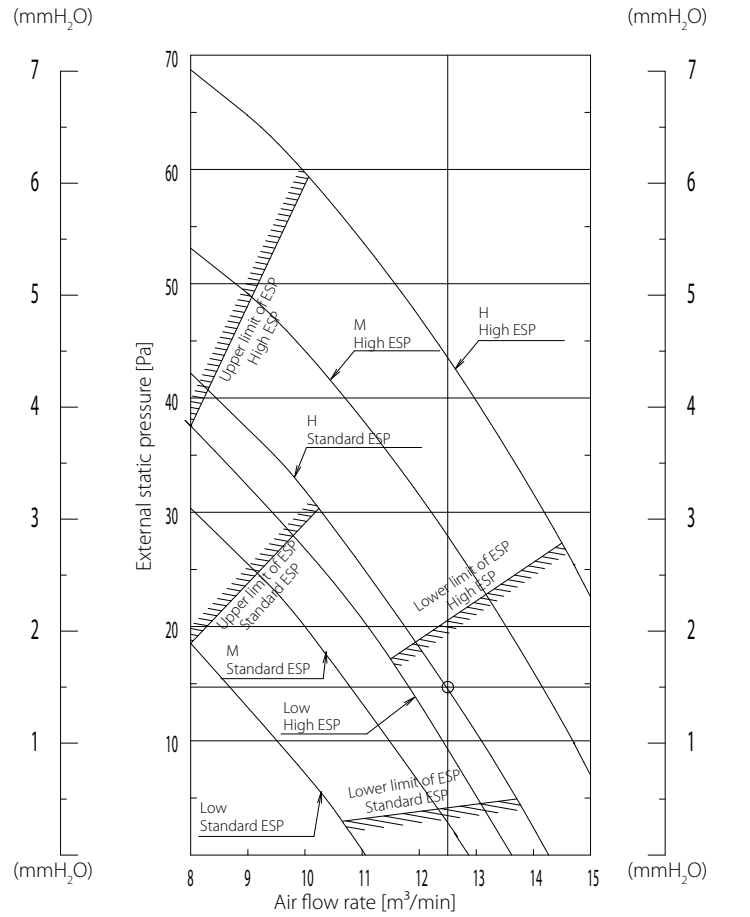


NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081426C

FXDQ50A3



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting.

3D081427C

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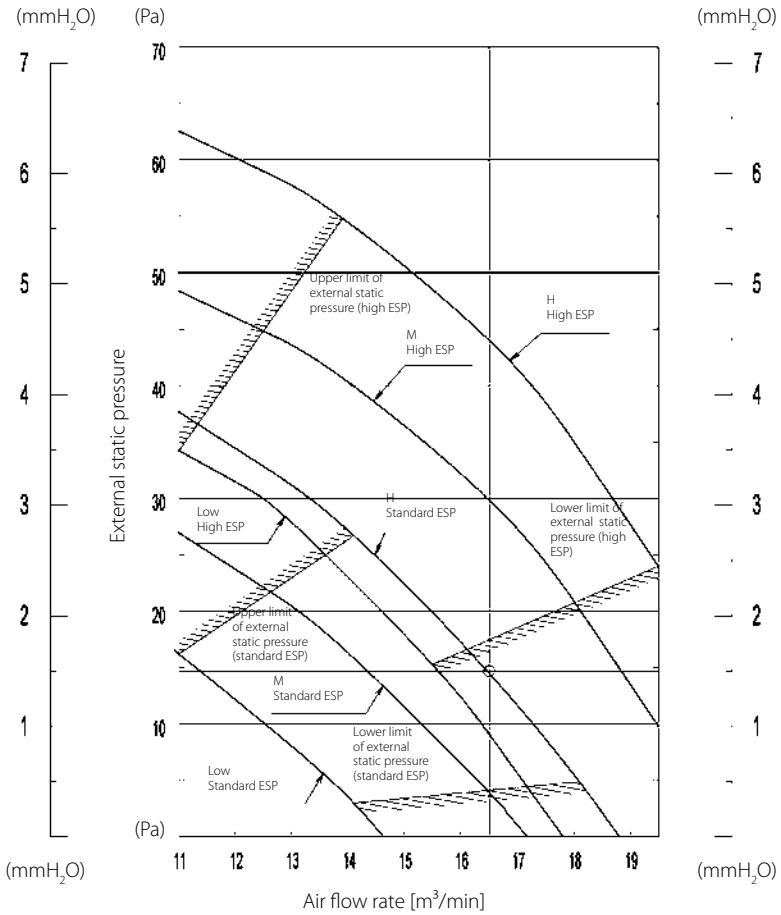
FXDQ60A3

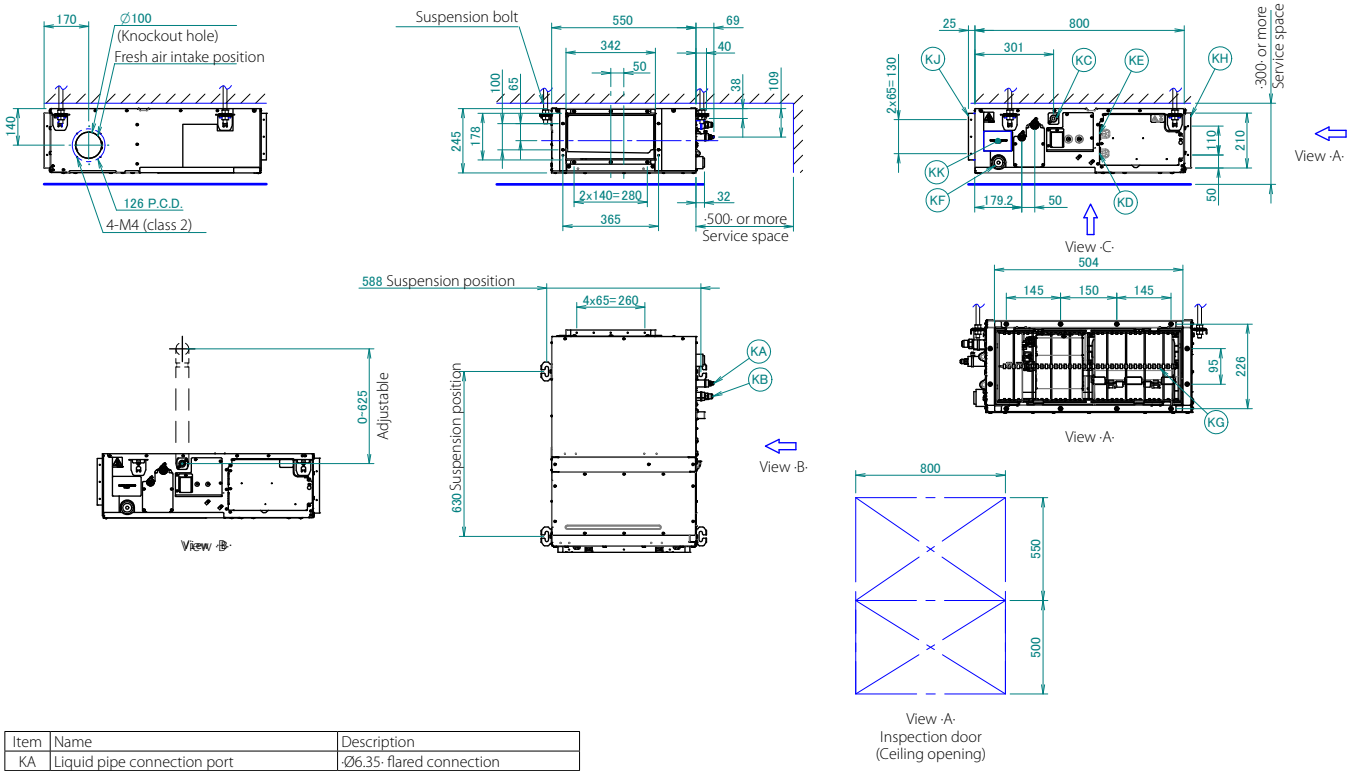


NOTES

1. Remote controller can be used to switch between 'HIGH' and 'LOW'. ('H', 'M' and 'L' for FDQ-A2VEB model)
2. The air flows is set to 'STANDARD' before leaving the factory. It is possible to switch between 'STANDARD ESP' and 'HIGH ESP' by remote controller.

3D081429C

FXSA15-32A



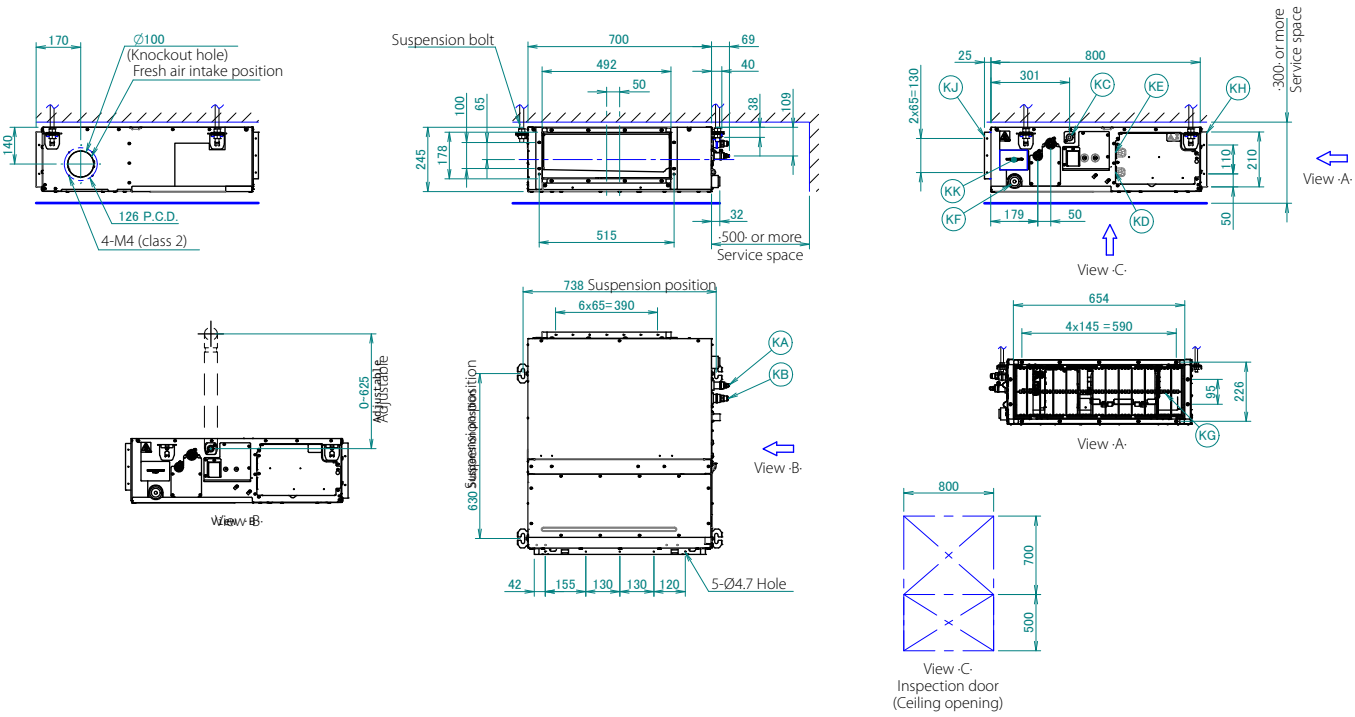
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø9.52· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit. For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit. For more information, refer to the installation manual.

3D128686A

FXSA40-50A



Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit. For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit. For more information, refer to the installation manual.

3D128715A

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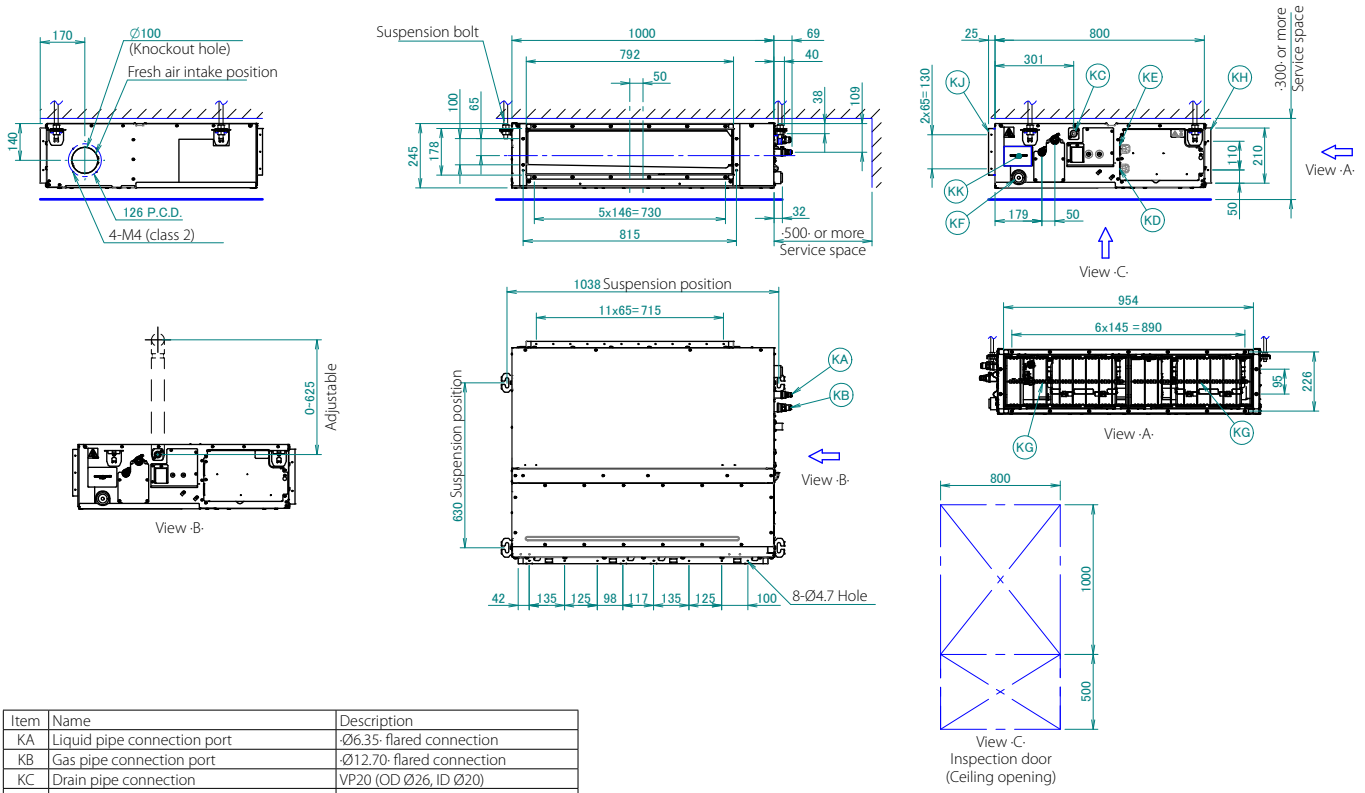
FXSA63-80A



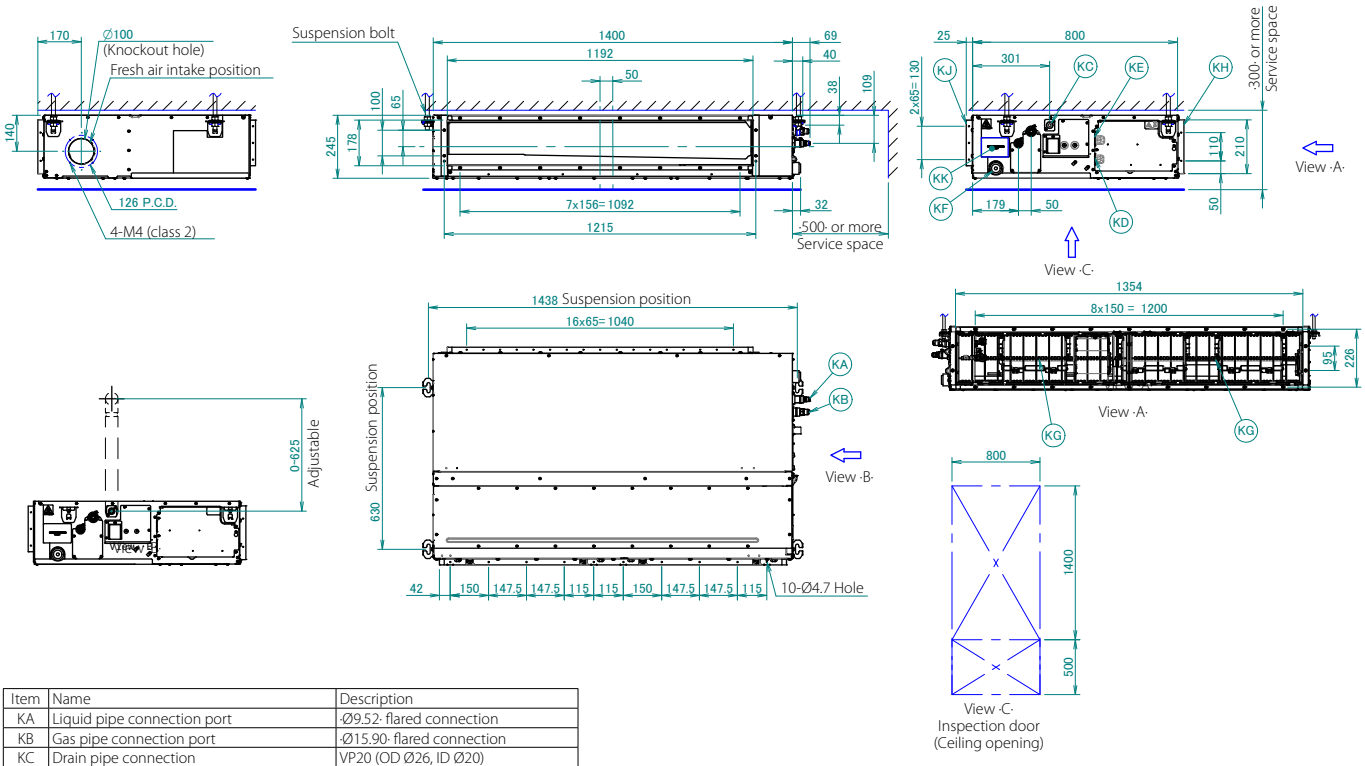
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit. For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit. For more information, refer to the installation manual.

3D128716A

FXSA100-125A



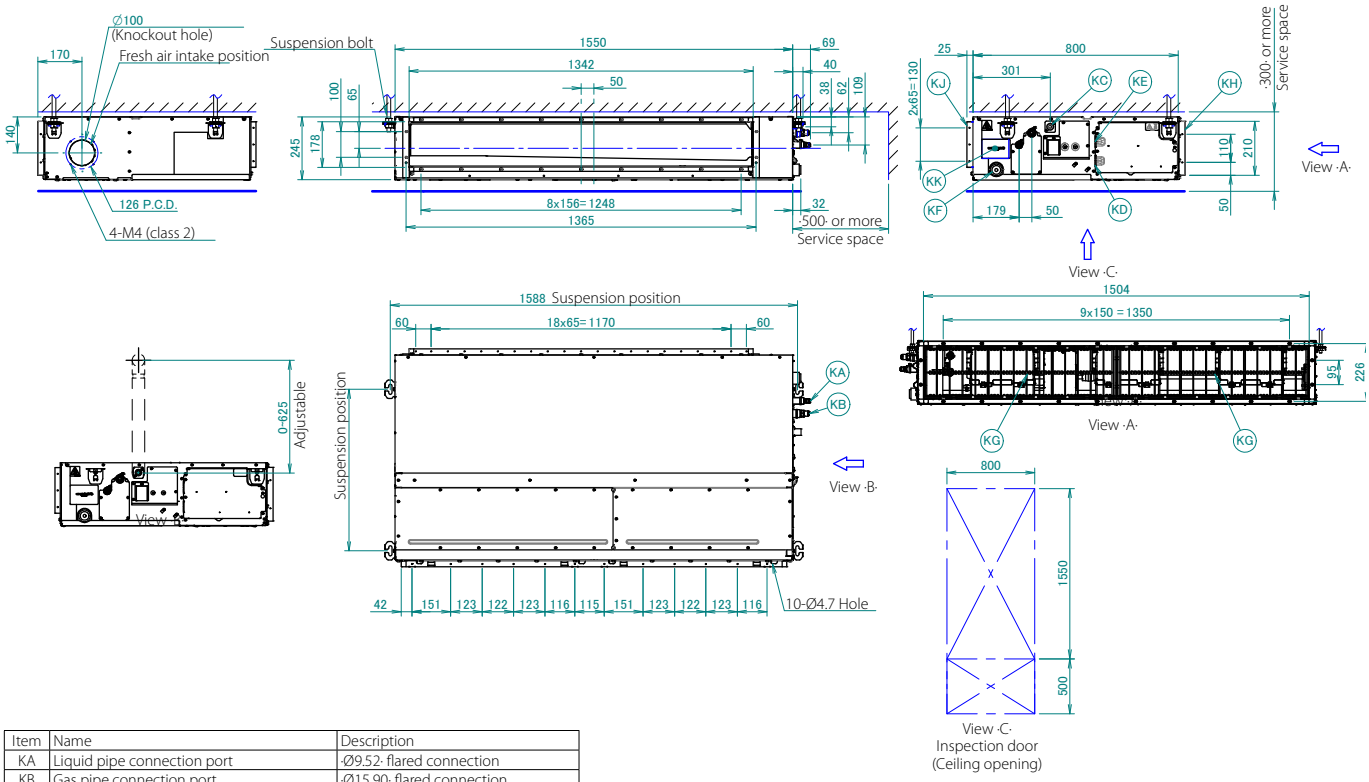
Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit. For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit. For more information, refer to the installation manual.

3D128719A

FXSA140A



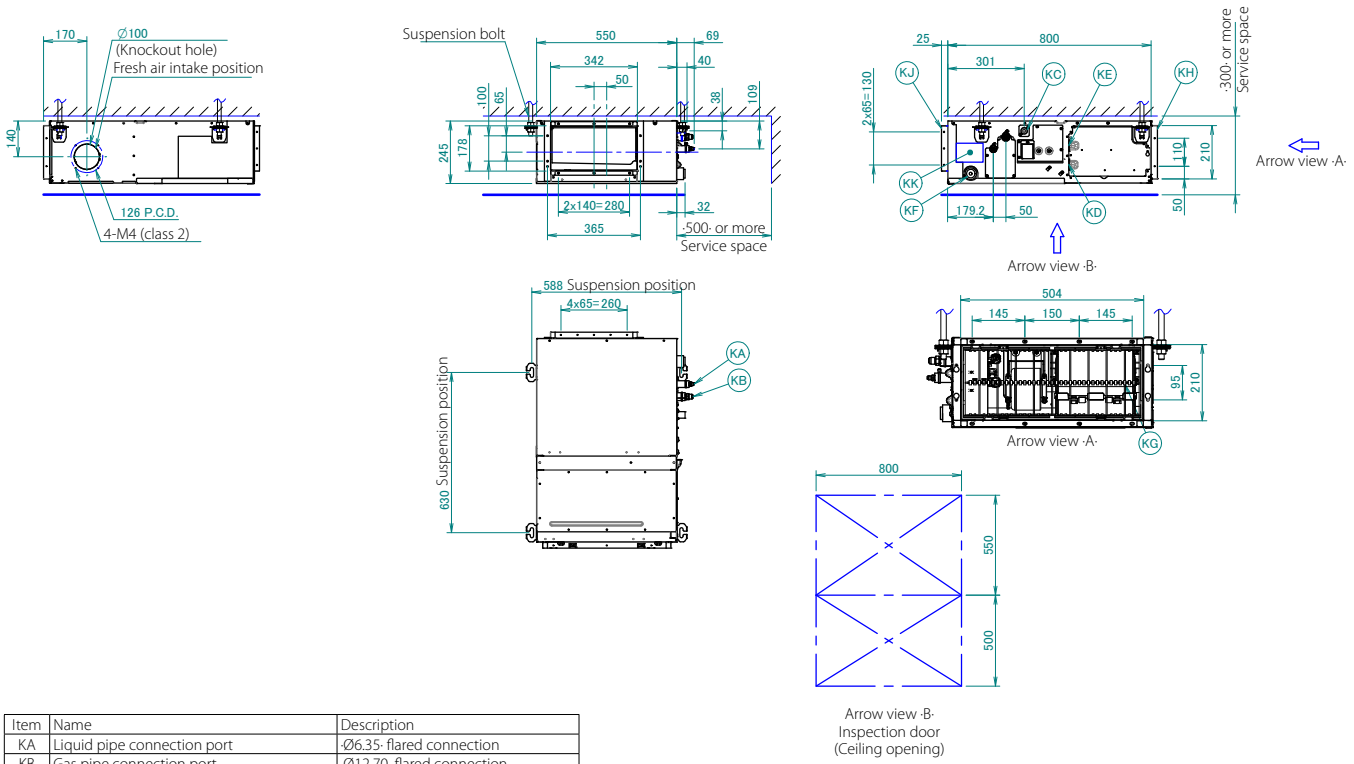
Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit. For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit. For more information, refer to the installation manual.

3D128720A

FXSQ15-32A



Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094888B

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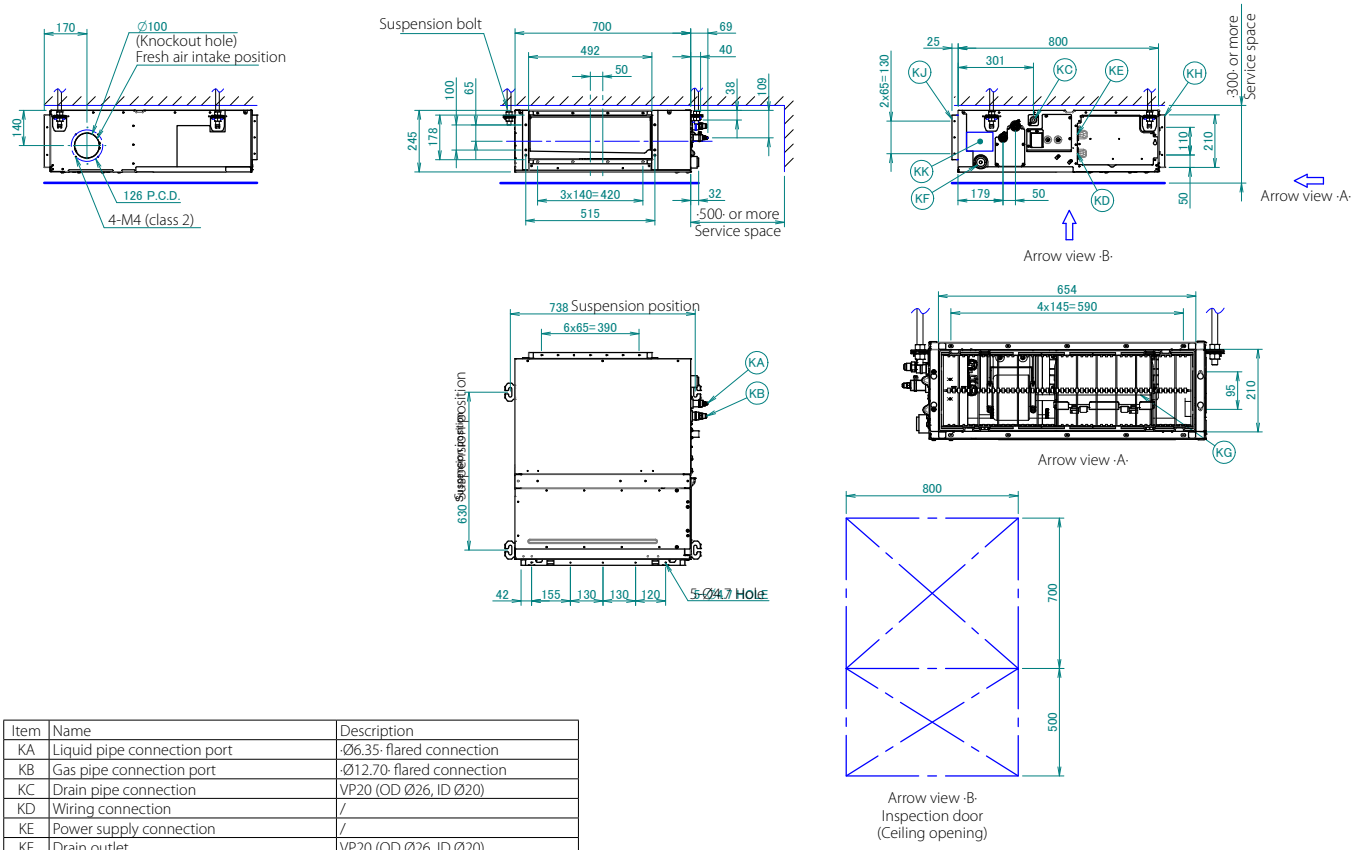
FXSQ40-50A



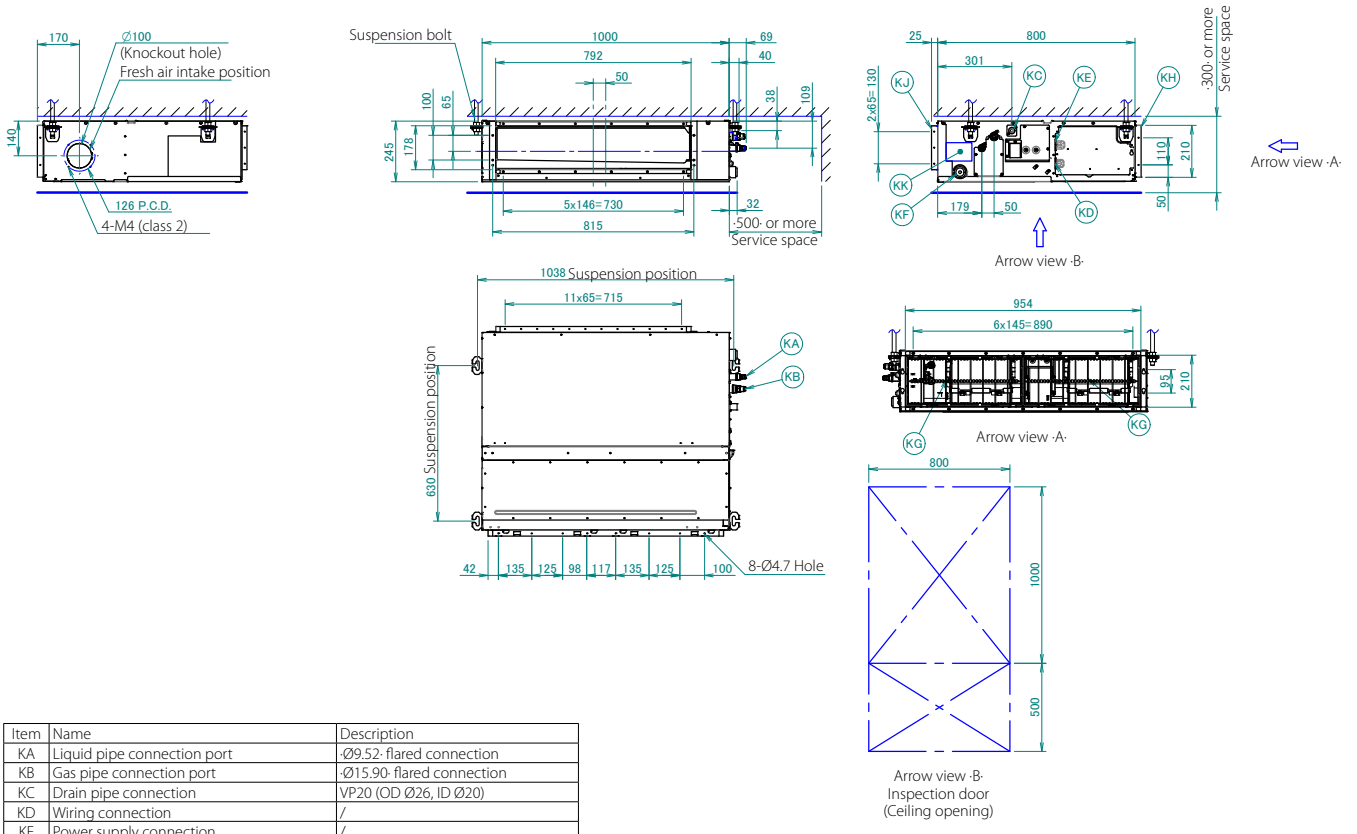
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094919B

FXSQ63-80A



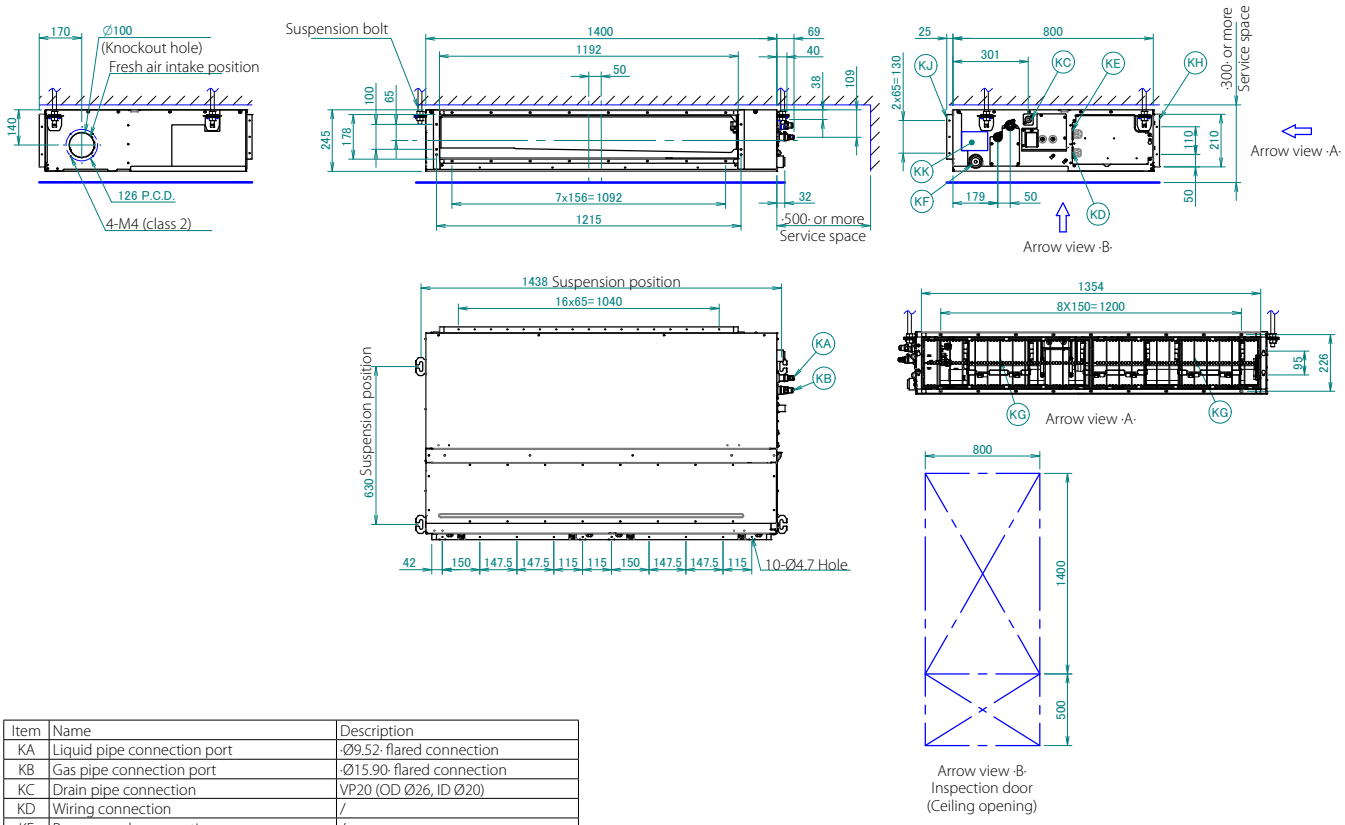
Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094916B

FXSQ100-125A



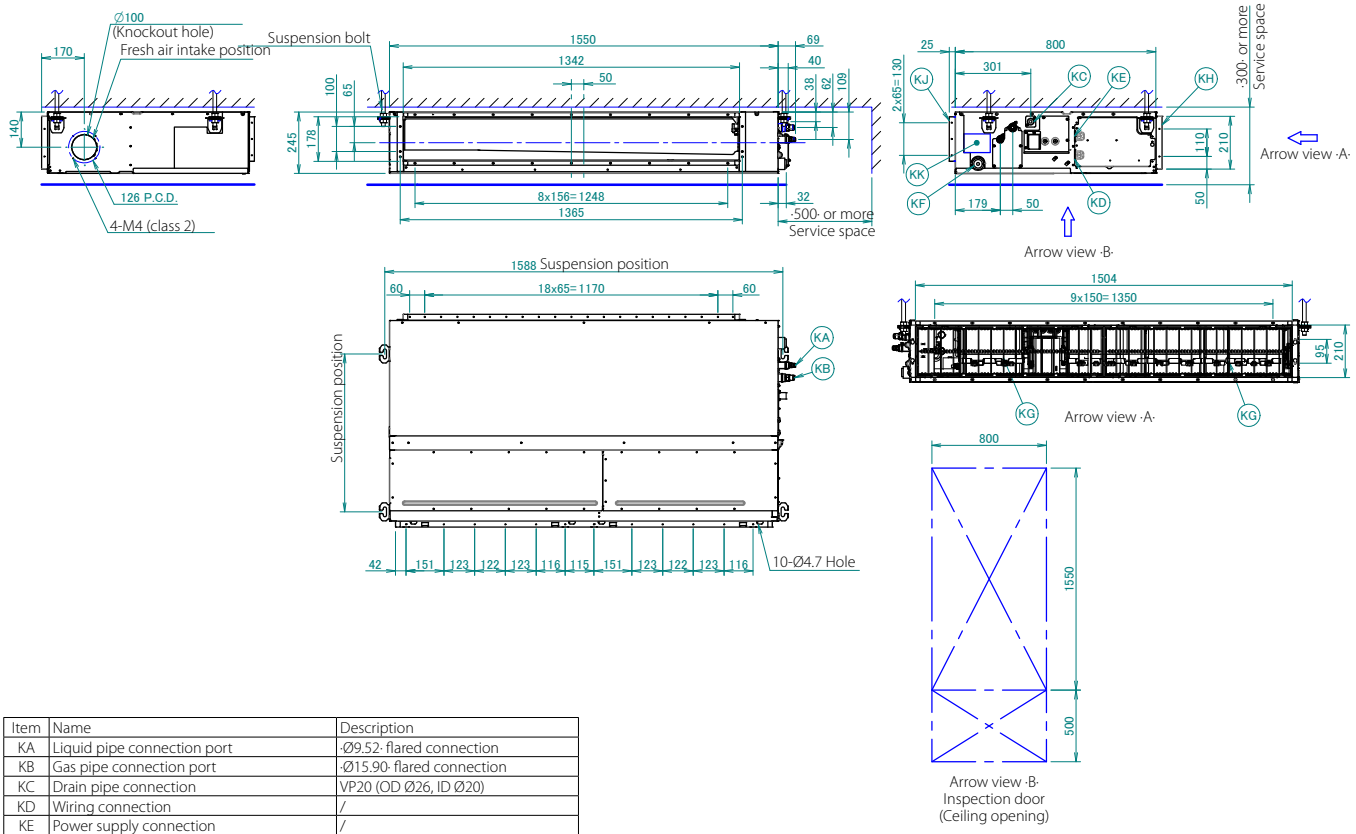
Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094917B

FXSQ140A



Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094928B

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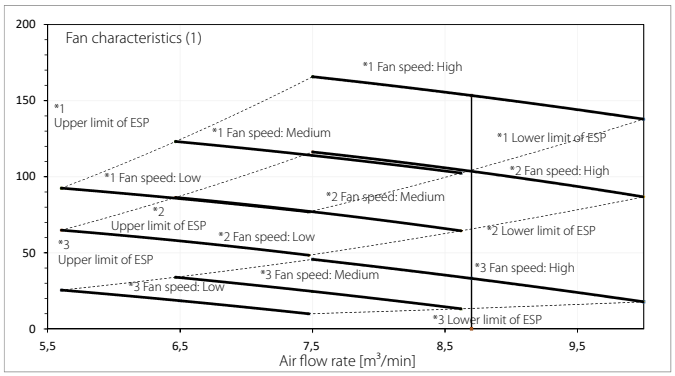
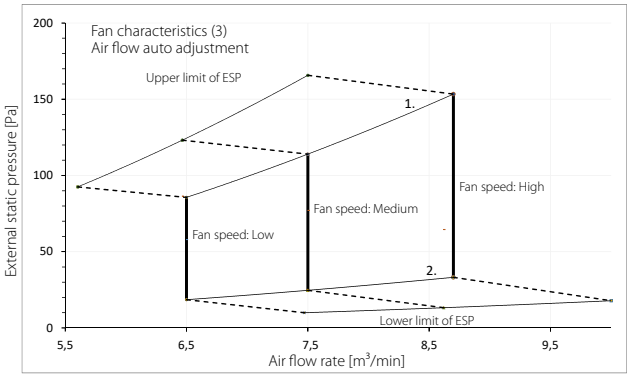
FXSQ15A
FXSA15A

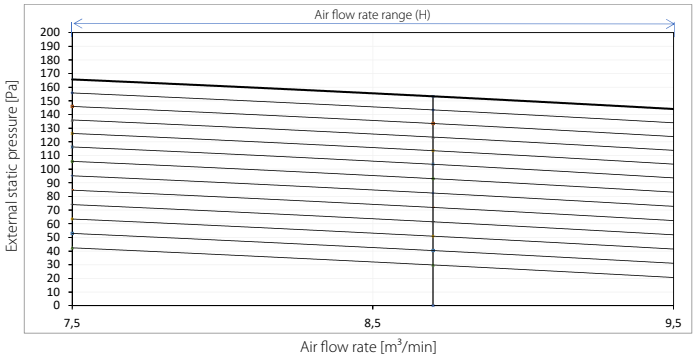


Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	50



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control

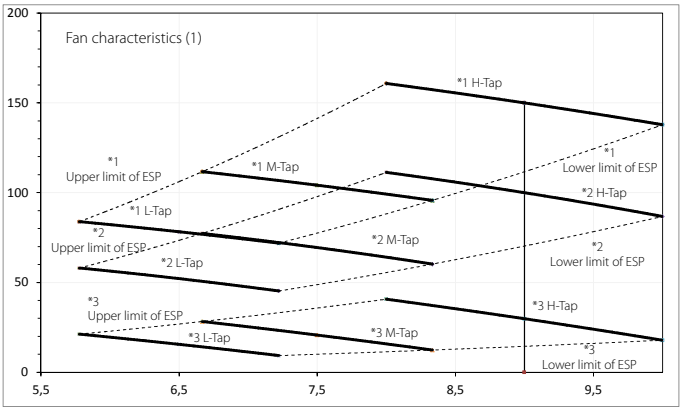


NOTES

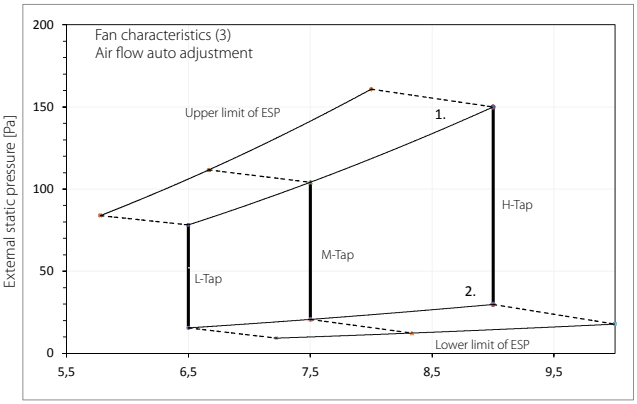
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D096999B

FXSQ20-25A
FXSA20-25A

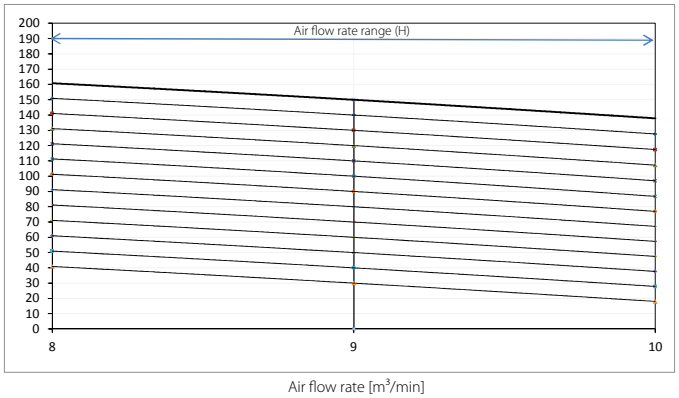


Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control

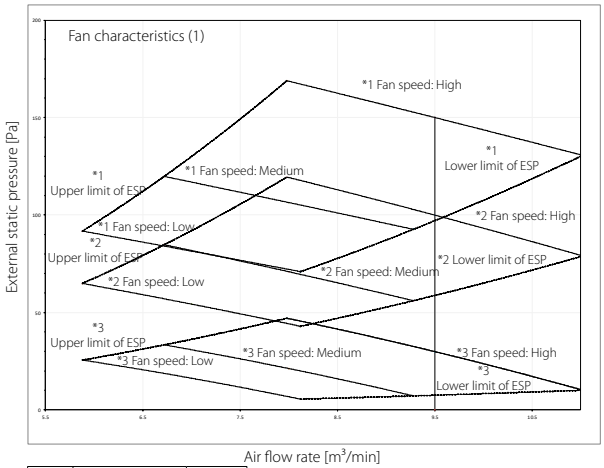


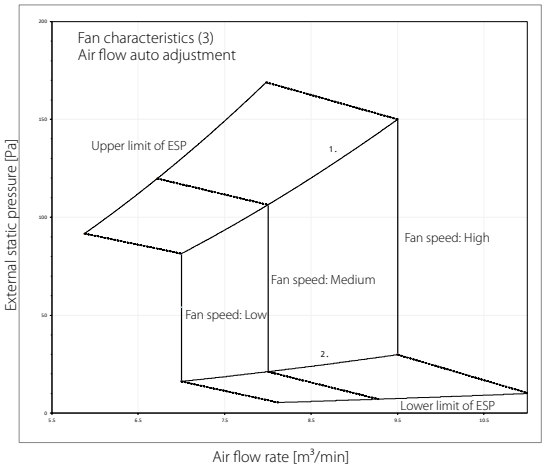
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095680B

FXSQ32A
FXSA32A

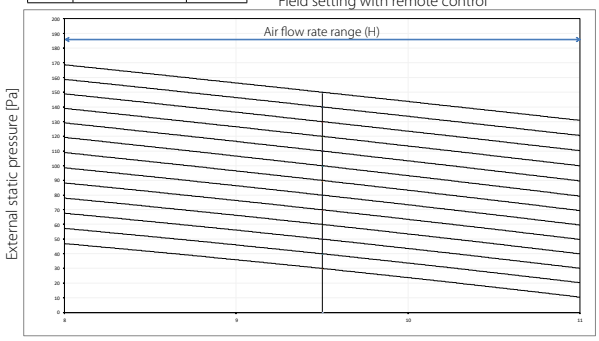




Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control

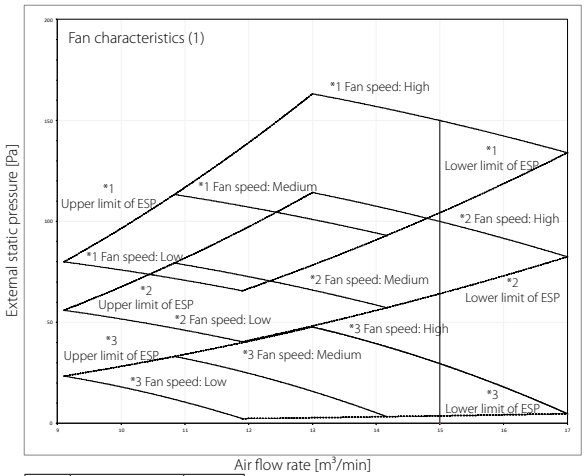


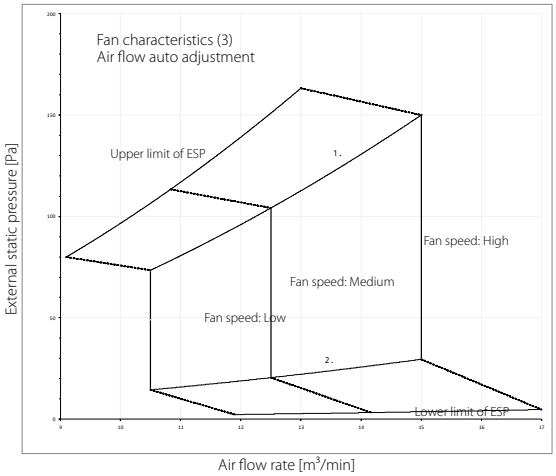
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095681B

FXSQ40A
FXSA40A

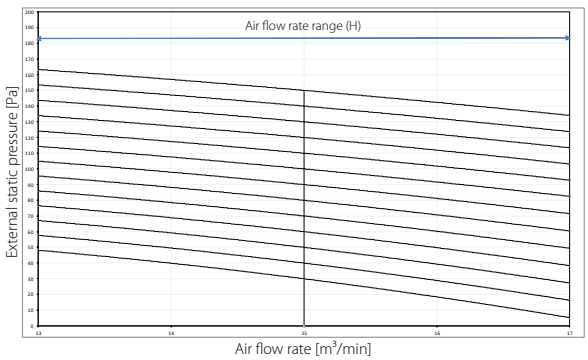




Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095682B

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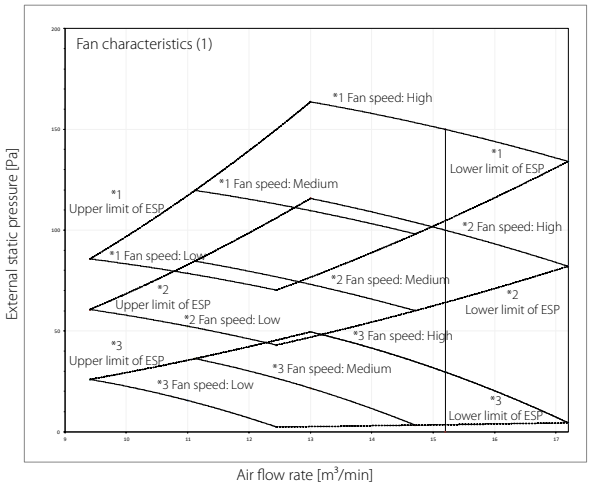
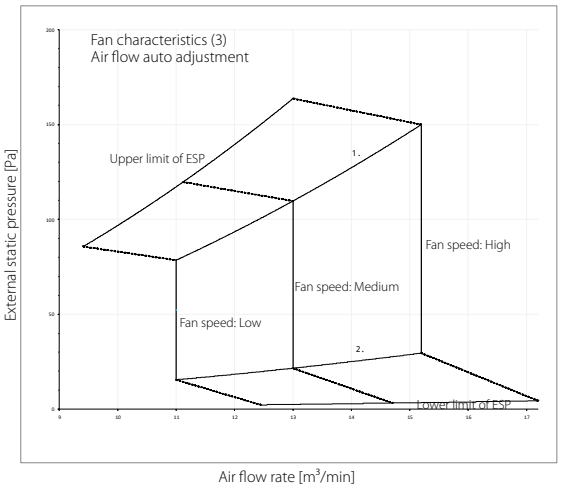
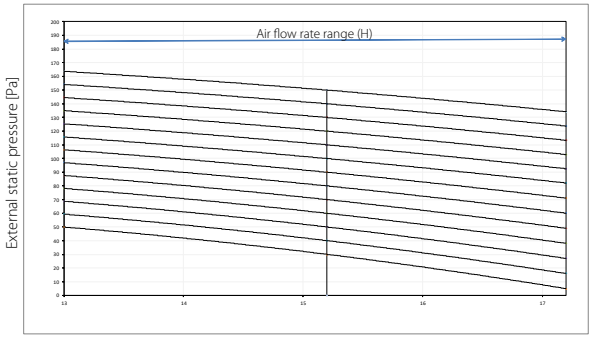
FXSQ50A
FXSA50A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



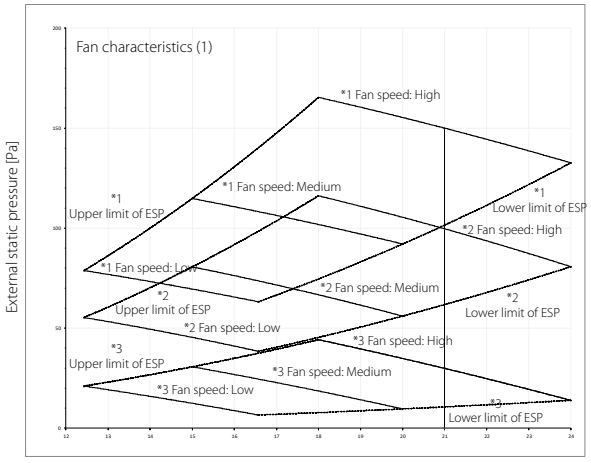
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

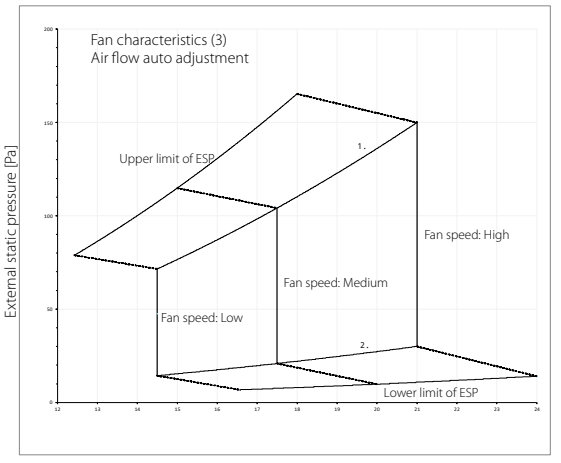
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095688B

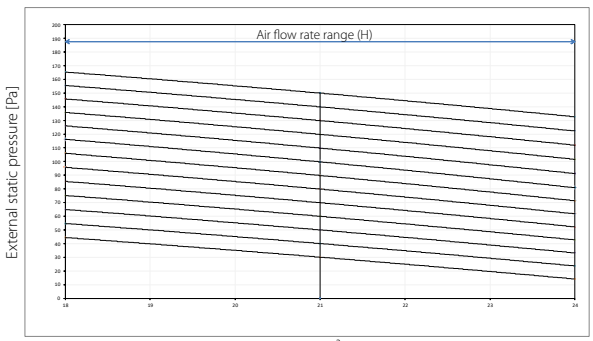
FXSQ63A
FXSA63A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



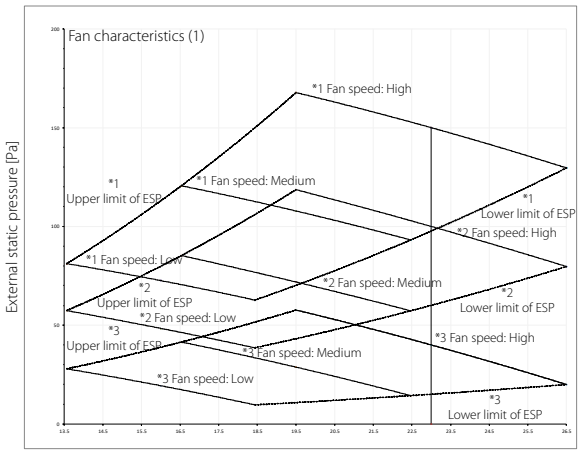
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

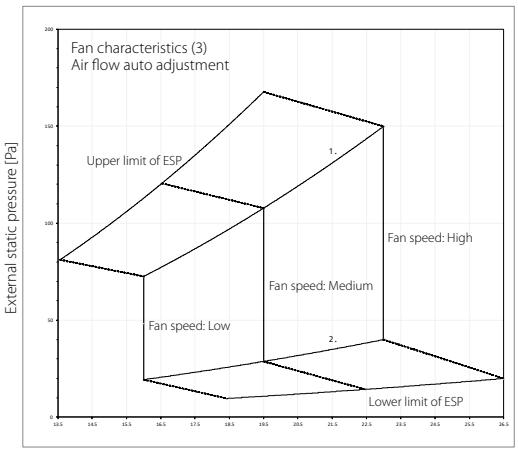
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095690B

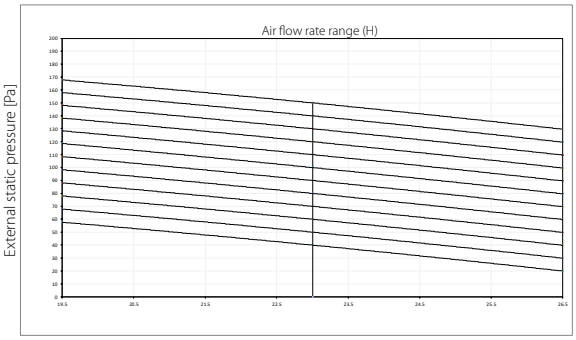
FXSQ80A
FXSA80A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



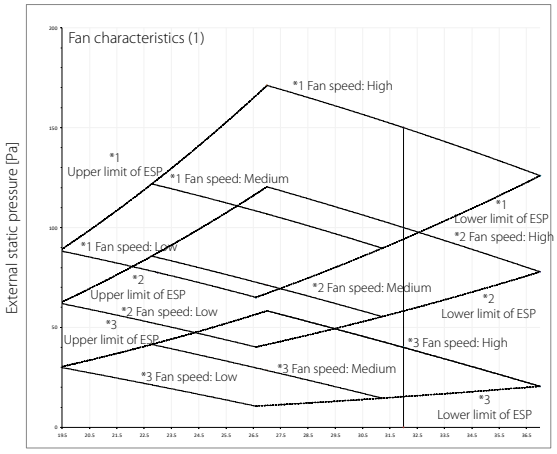
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	40

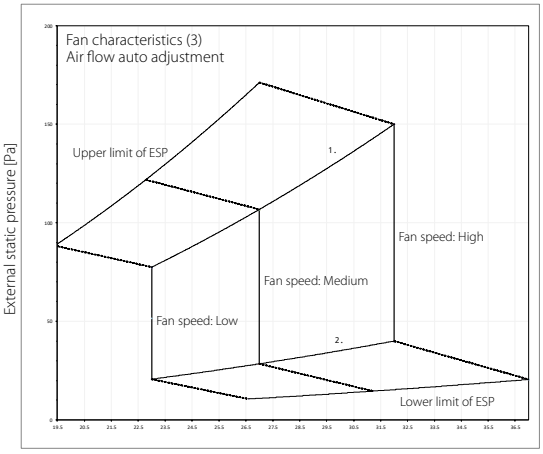
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095692B

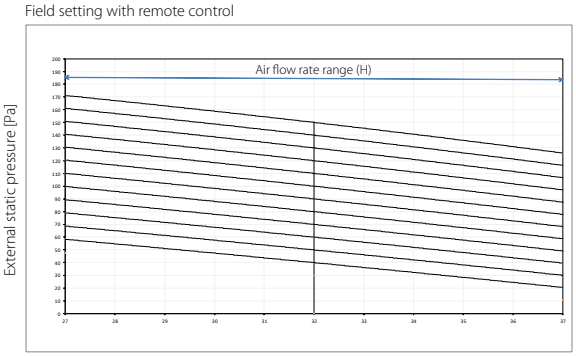
FXSQ100A
FXSA100A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	40

NOTES

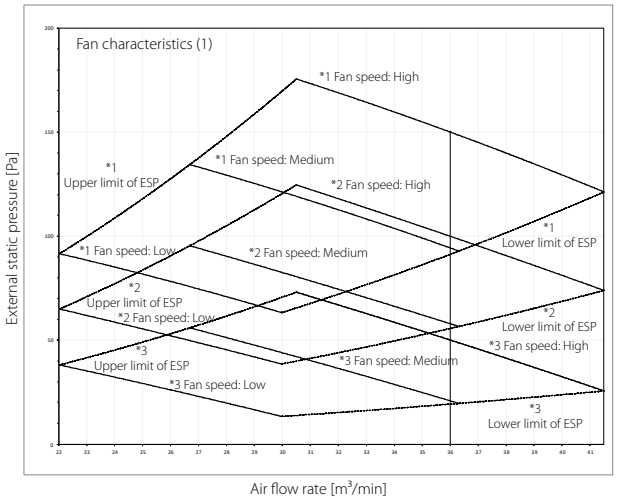
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

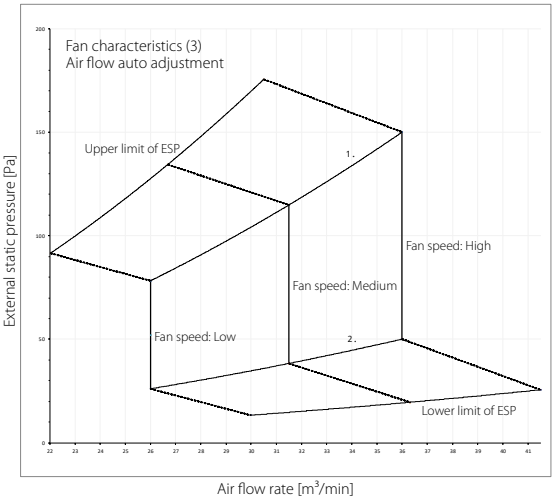
3D095696B

CLICK HERE TO VIEW ALL FXSA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

CLICK HERE TO VIEW ALL FXSQ-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

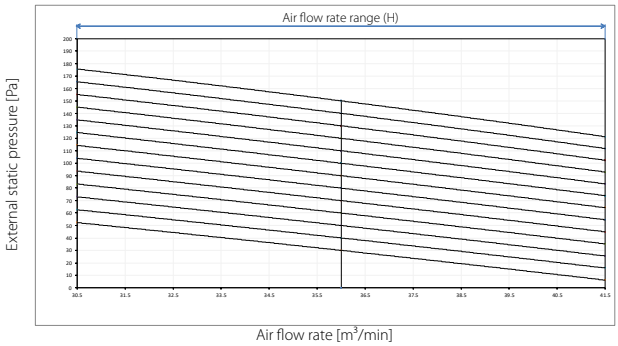
FXSQ125A
FXSA125A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



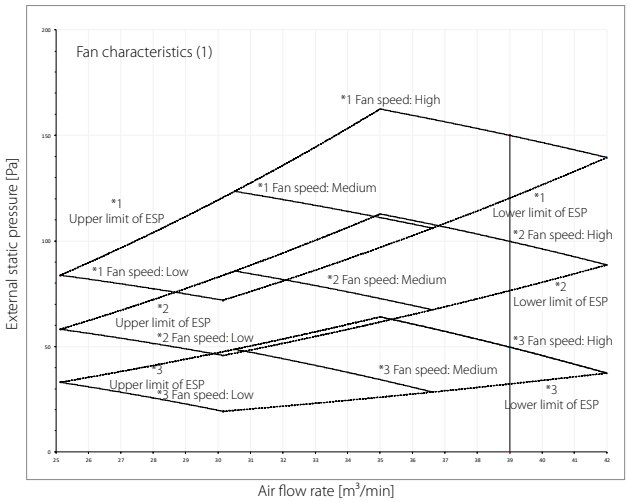
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	50

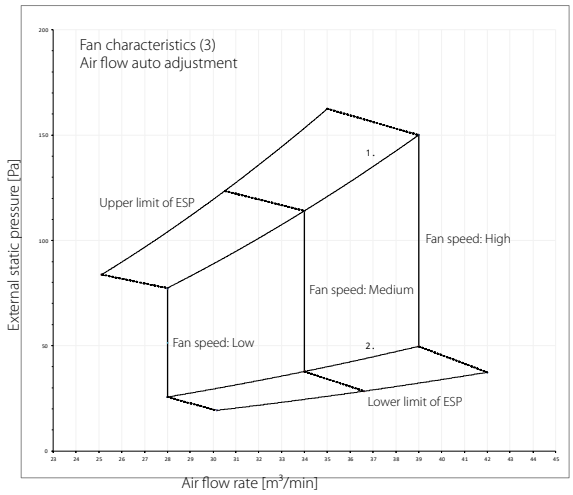
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095697B

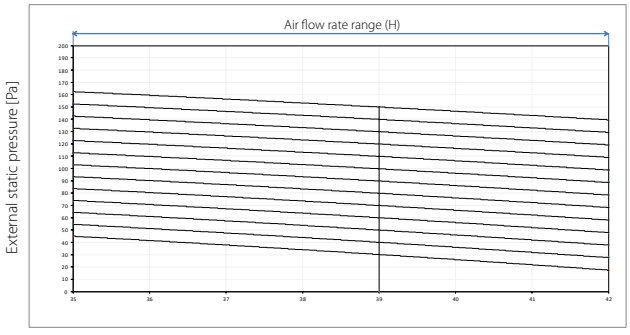
FXSQ140A
FXSA140A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	50

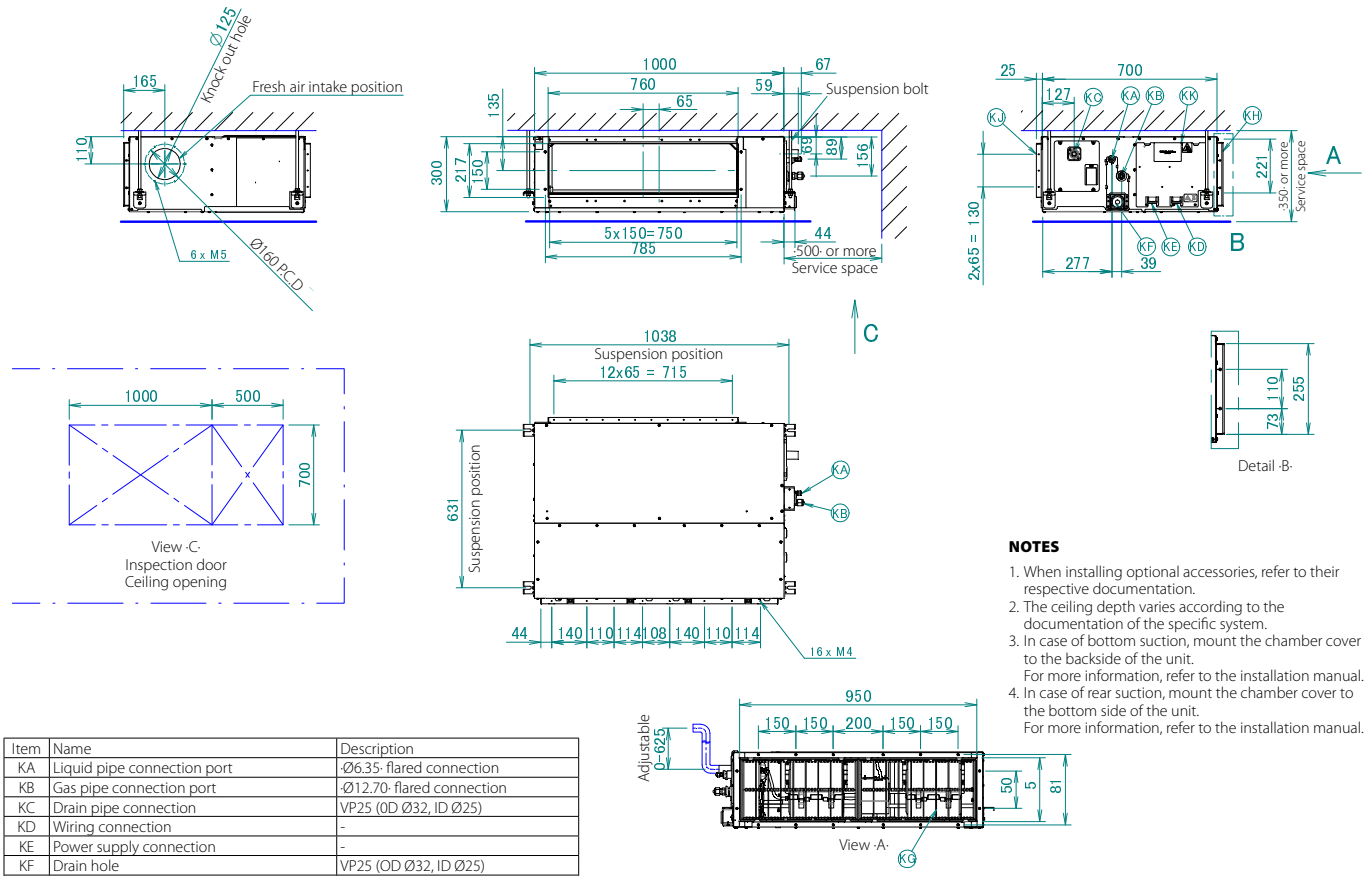
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D096688B

CLICK HERE TO VIEW ALL FXMA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXMA50-80A



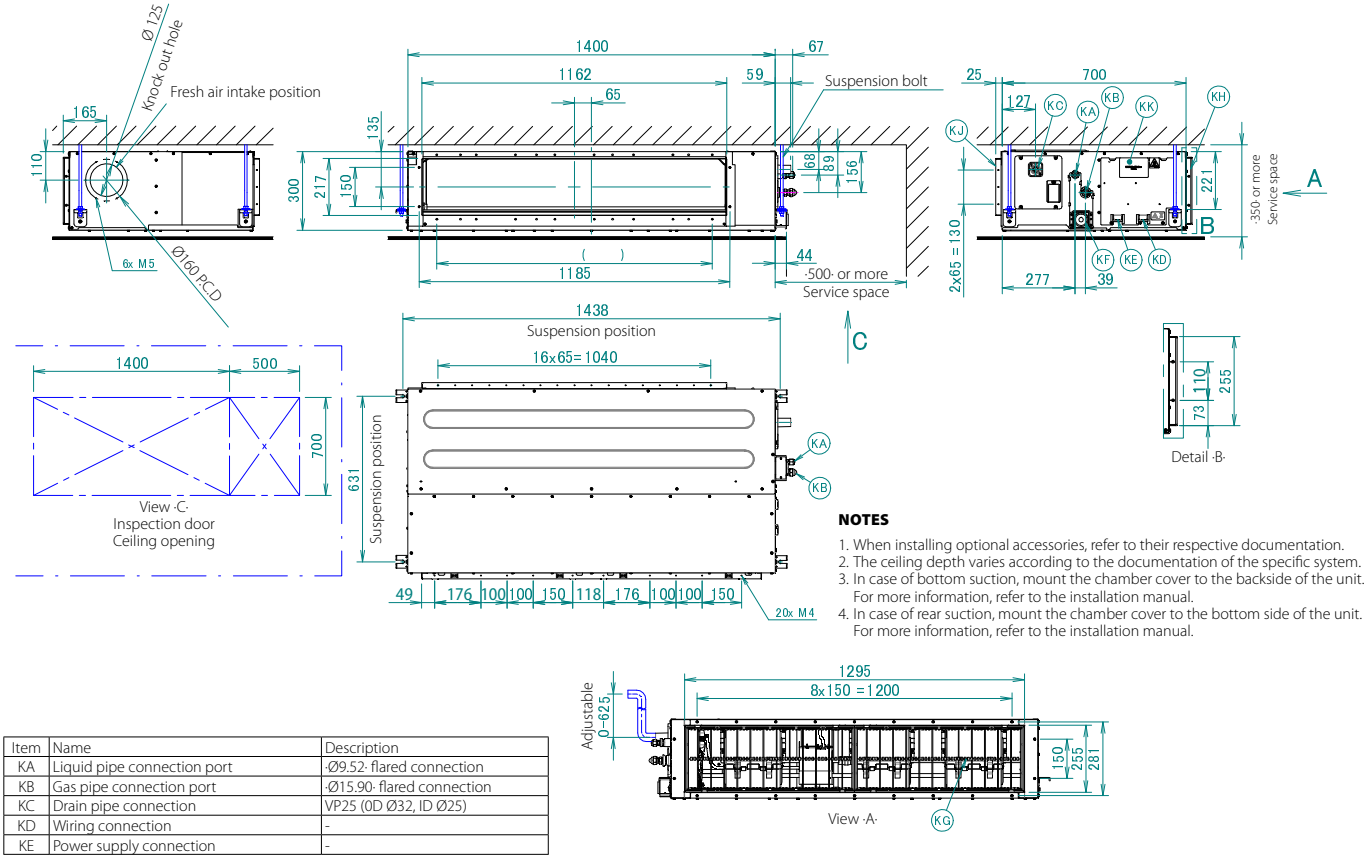
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP25 (OD Ø32, ID Ø25)
KD	Wiring connection	-
KE	Power supply connection	-
KF	Drain hole	VP25 (OD Ø32, ID Ø25)
KG	Air filter	-
KH	Air suction side	-
KJ	Air discharge side	-
KK	Nameplate	-

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit.
   For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   For more information, refer to the installation manual.

3D139544

FXMA100-125A



Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP25 (OD Ø32, ID Ø25)
KD	Wiring connection	-
KE	Power supply connection	-
KF	Drain outlet	VP25 (OD Ø32, ID Ø25)
KG	Air filter	-
KH	Air suction side	-
KJ	Air discharge side	-
KK	Nameplate	-

NOTES

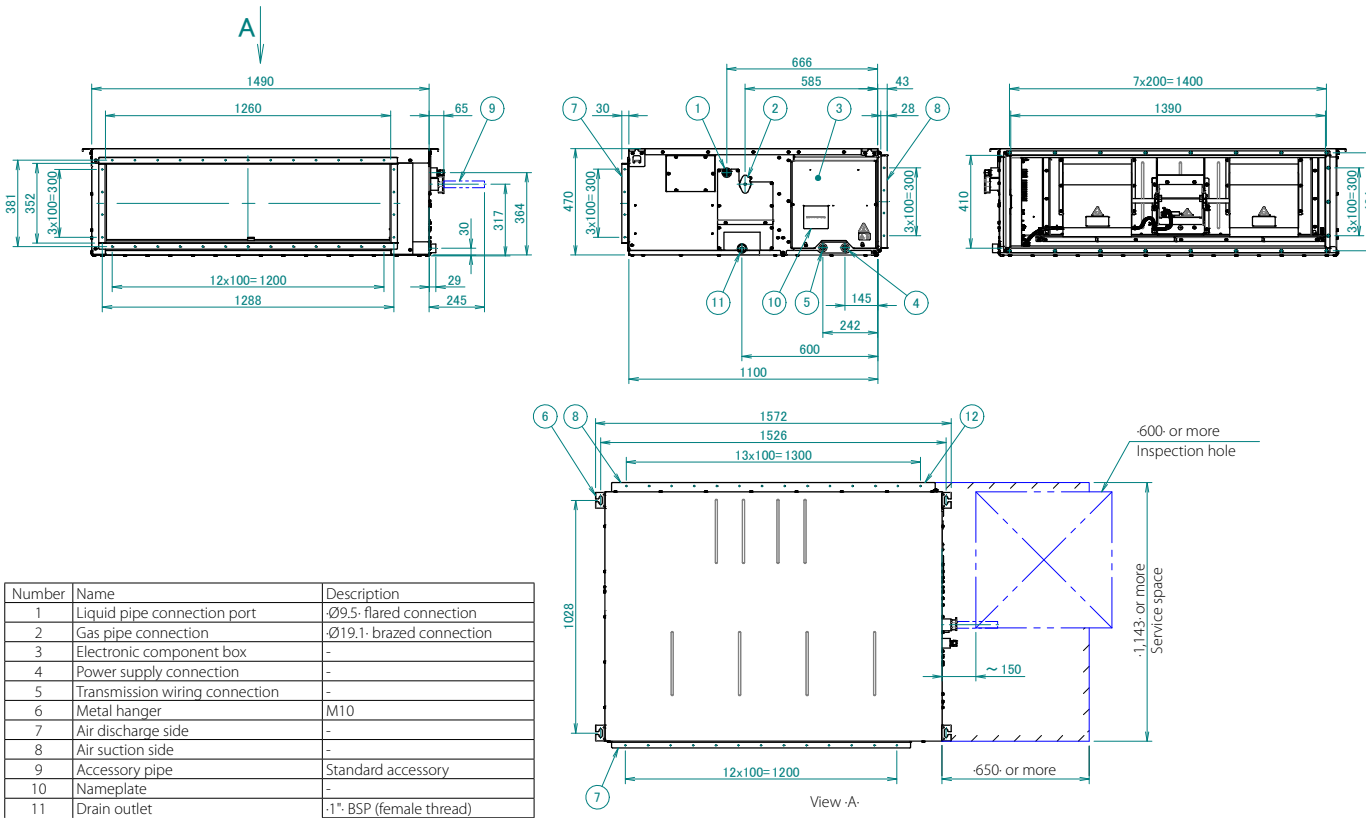
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. In case of bottom suction, mount the chamber cover to the backside of the unit.
   For more information, refer to the installation manual.
4. In case of rear suction, mount the chamber cover to the bottom side of the unit.
   For more information, refer to the installation manual.

3D139547

CLICK HERE TO VIEW ALL FXMA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

CLICK HERE TO VIEW ALL FXMQ-P7 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXMA200-250A



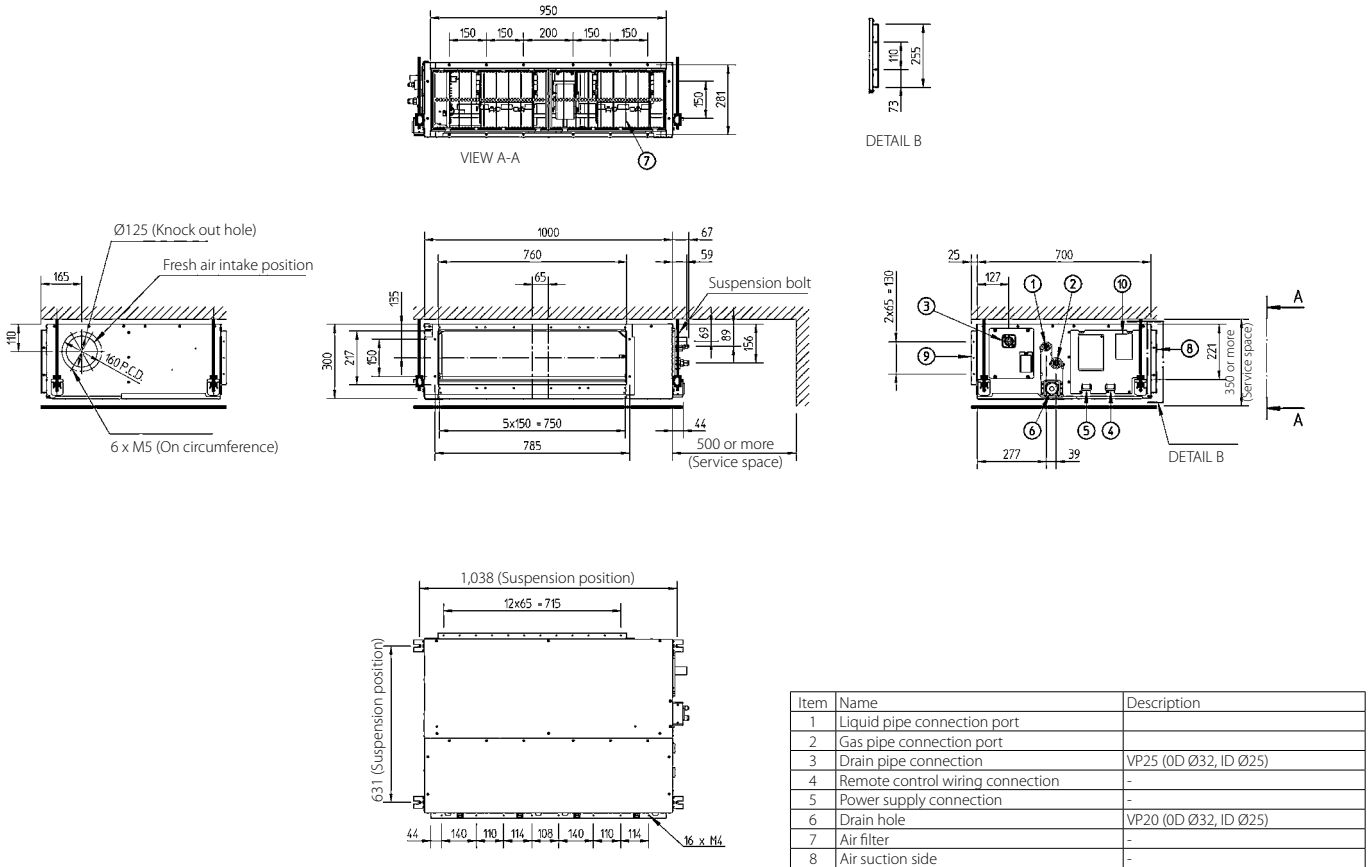
Number	Name	Description
1	Liquid pipe connection port	·Ø9.5· flared connection
2	Gas pipe connection	·Ø19.1· brazed connection
3	Electronic component box	-
4	Power supply connection	-
5	Transmission wiring connection	-
6	Metal hanger	M10
7	Air discharge side	-
8	Air suction side	-
9	Accessory pipe	Standard accessory
10	Nameplate	-
11	Drain outlet	·1"· BSP (female thread)
		Outside diameter: ·Ø33.3·
		Inside diameter: ·Ø30.3·
12	Filter chamber	-

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The unit nameplate is located on the control box cover.

3D140557

FXMQ50P7



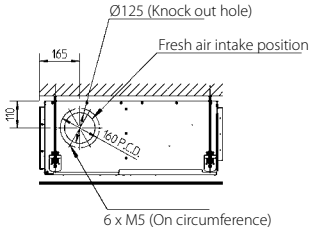
Item	Name	Description
1	Liquid pipe connection port	
2	Gas pipe connection port	
3	Drain pipe connection	VP25 (OD Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP20 (OD Ø32, ID Ø25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

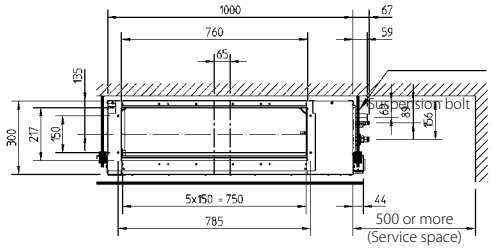
NOTES

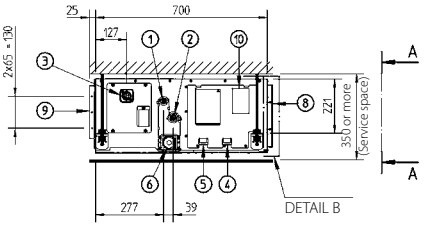
1. Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
   Refer to the 'filter installation method' drawing.

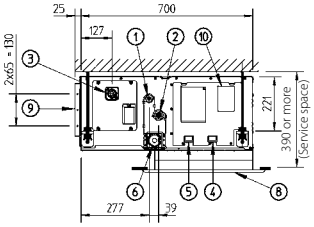
3TW32694-1

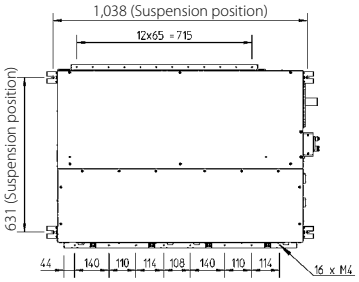
FXMQ63-80P7

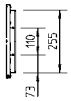


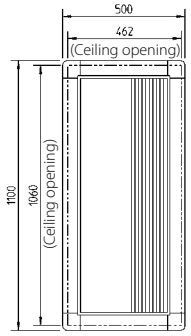




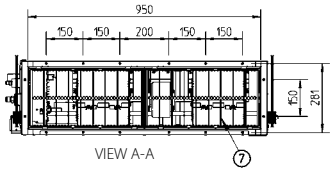








With decoration panel



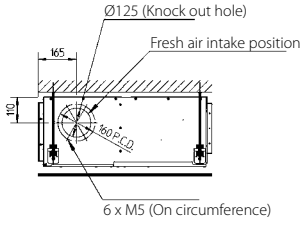
Item	Name	Description
1	Liquid pipe connection port	
2	Gas pipe connection port	
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP20 (0D Ø32, ID Ø25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

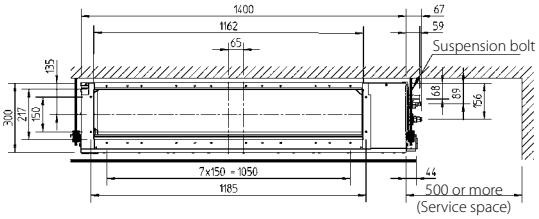
NOTES

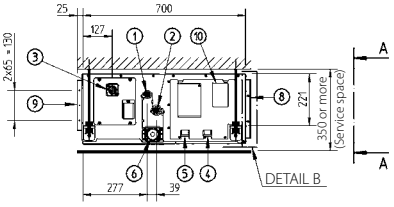
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific
3. system.
4. For maintenance of the air filter, it is necessary to provide a service access
5. panel.
   Optional decoration panel: BYBS71DJW1 (light ivory white 10Y9/0.5)

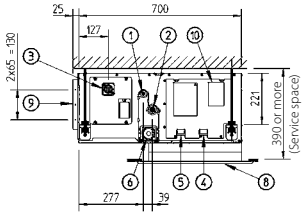
3TW31234-1B

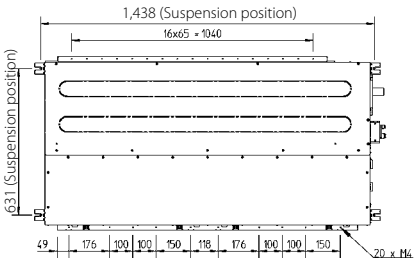
FXMQ100-125P7

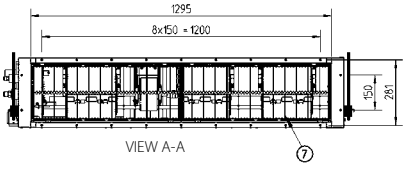


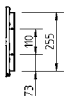


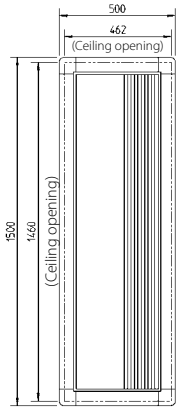












With decoration panel

Item	Name	Description
1	Liquid pipe connection port	
2	Gas pipe connection port	
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific
3. system.
4. For maintenance of the air filter, it is necessary to provide a service access
5. panel.
6. Optional decoration panel: BYBS125DJW1 (light ivory white 10Y9/0.5)

3TW31254-1B

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FXMA200A

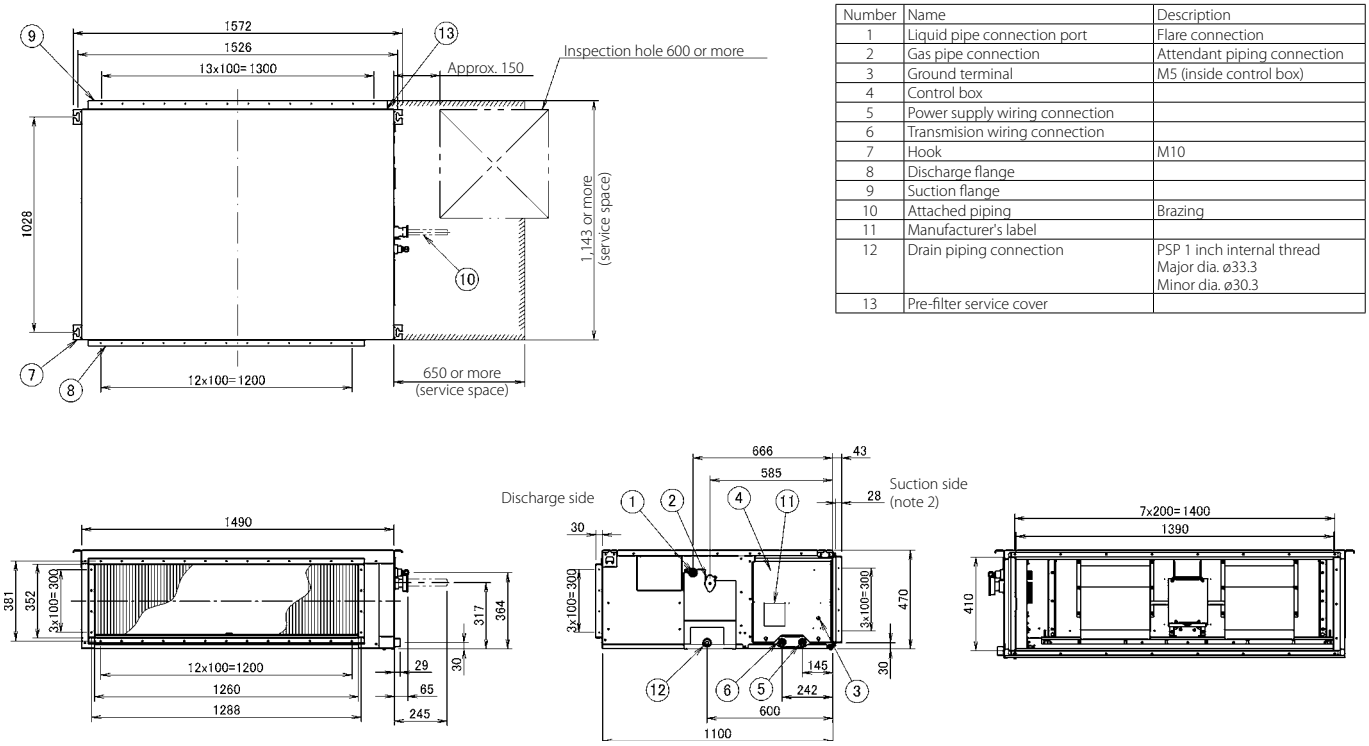
Piping size (Field supply)

Indoor unit	Gas side	Liquid side
FXMA200A	Ø 19.1 attached piping	Ø 9.5

NOTE

1. Location of unit's manufacturer's label: Control box surface.
2. Mount the air filter at the suction side.
   (Select its dust collection efficiency (gravity method) 50% or more.)

Number	Name	Description
1	Liquid pipe connection port	Flare connection
2	Gas pipe connection	Attendant piping connection
3	Ground terminal	M5 (inside control box)
4	Control box	
5	Power supply wiring connection	
6	Transmision wiring connection	
7	Hook	M10
8	Discharge flange	
9	Suction flange	
10	Attached piping	Brazing
11	Manufacturer's label	
12	Drain piping connection	PSP 1 inch internal thread Major dia. ø33.3 Minor dia. ø30.3
13	Pre-filter service cover	



3D117990A

FXMA250A

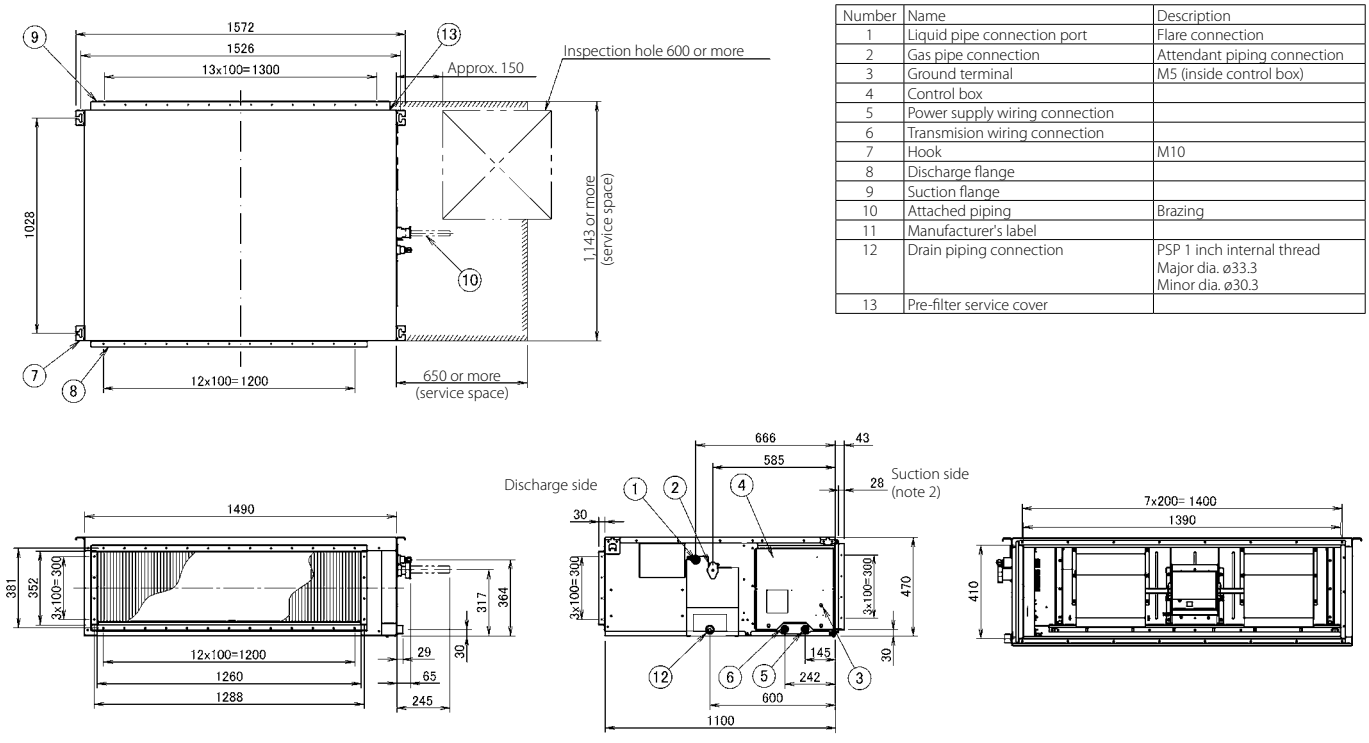
Piping size (Field supply)

Indoor unit	Gas side	Liquid side
FXMA250A	Ø 22.2 attached piping	Ø 9.5

NOTE

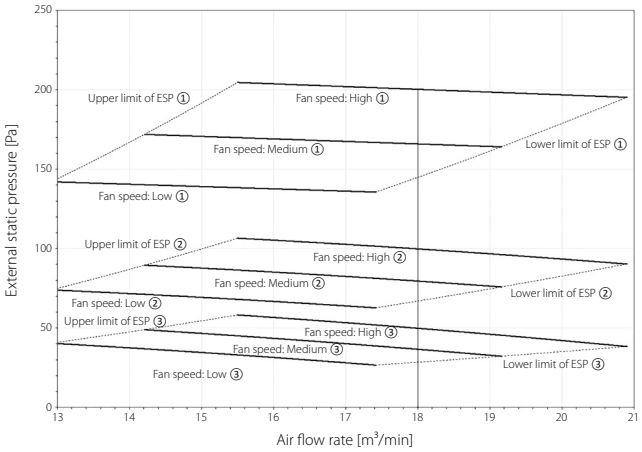
1. Location of unit's manufacturer's label: Control box surface.
2. Mount the air filter at the suction side.
   (Select its dust collection efficiency (gravity method) 50% or more.)

Number	Name	Description
1	Liquid pipe connection port	Flare connection
2	Gas pipe connection	Attendant piping connection
3	Ground terminal	M5 (inside control box)
4	Control box	
5	Power supply wiring connection	
6	Transmision wiring connection	
7	Hook	M10
8	Discharge flange	
9	Suction flange	
10	Attached piping	Brazing
11	Manufacturer's label	
12	Drain piping connection	PSP 1 inch internal thread Major dia. ø33.3 Minor dia. ø30.3
13	Pre-filter service cover	

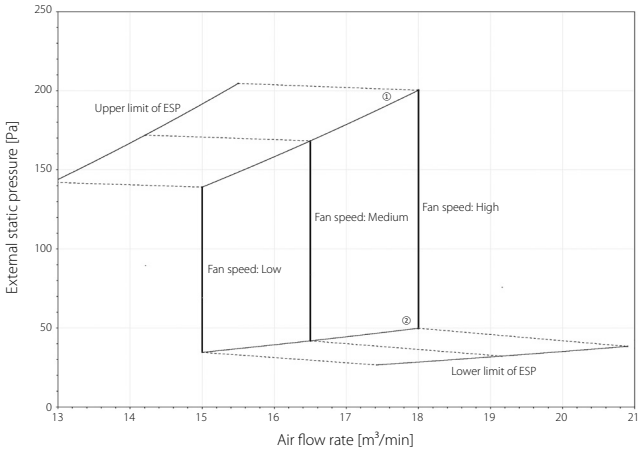


3D121335A

FXMA50A

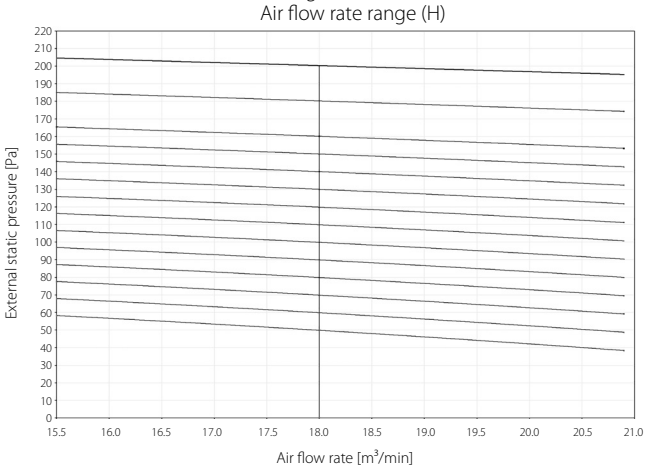


Air flow auto adjustment



① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



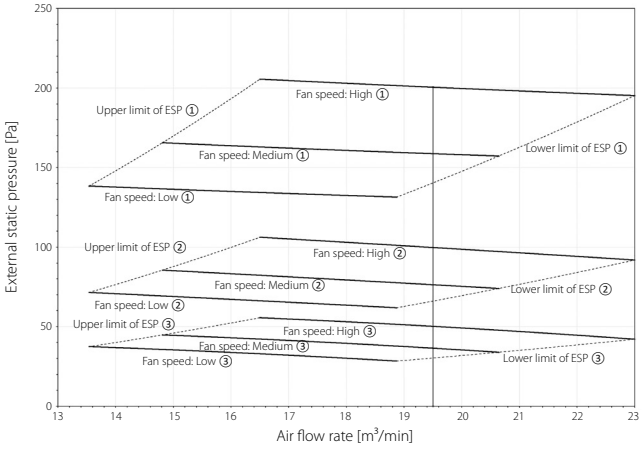
Mark		ESP [Pa]
①	Maximum	200
②	Standard	100
③	Minimum	50

NOTES

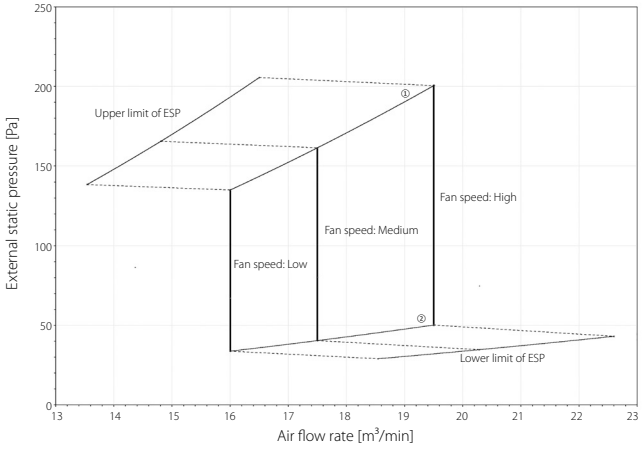
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

4D139872

FXMA63A

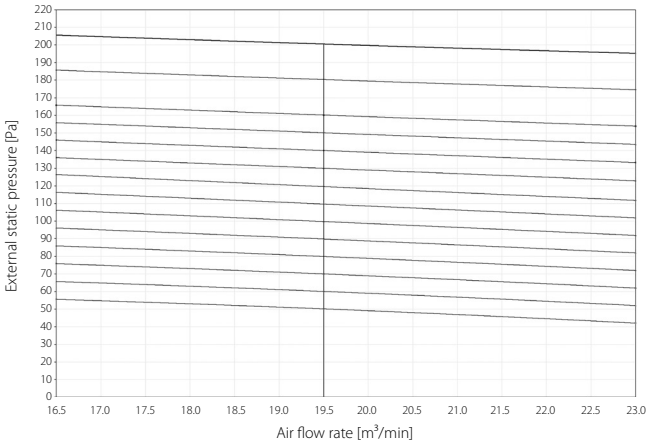


Air flow auto adjustment



① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



Mark		ESP [Pa]
①	Maximum	200
②	Standard	100
③	Minimum	50

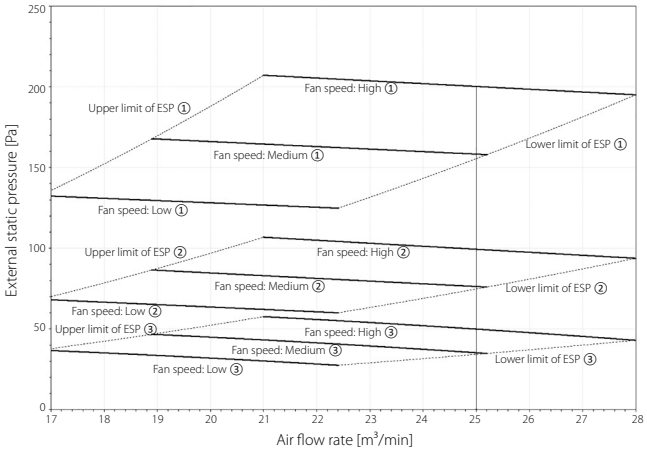
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

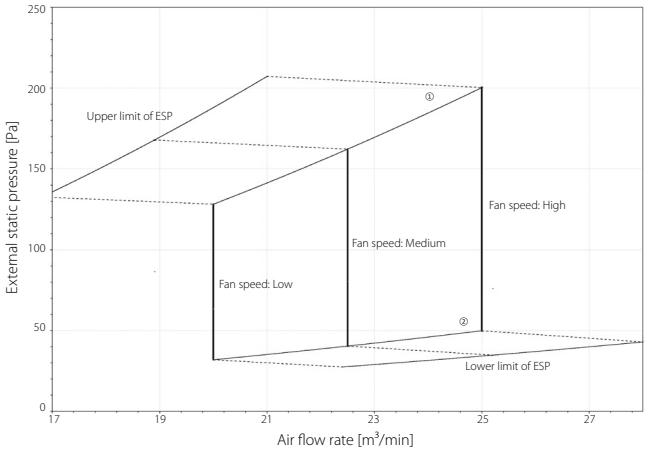
4D139877

CLICK HERE TO VIEW ALL FXMA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXMA80A

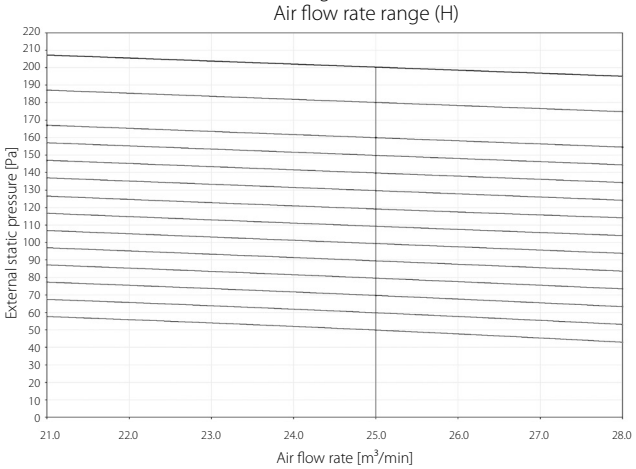


Air flow auto adjustment



① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



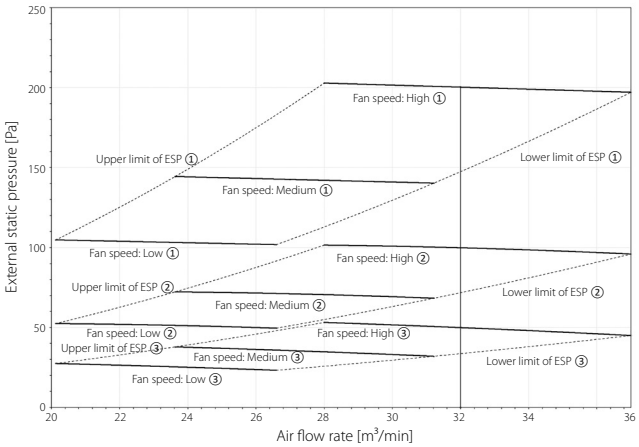
Mark		ESP [Pa]
①	Maximum	200
②	Standard	100
③	Minimum	50

NOTES

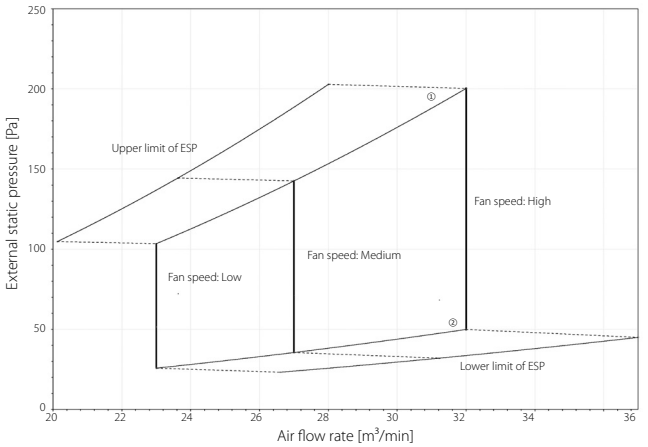
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

4D139878

FXMA100A

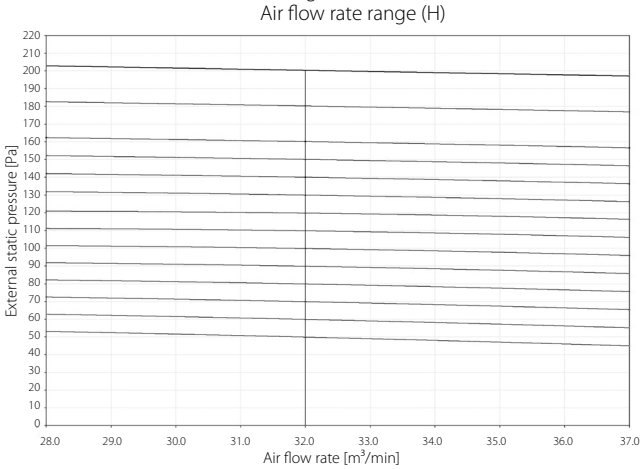


Air flow auto adjustment



① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



Mark		ESP [Pa]
①	Maximum	200
②	Standard	100
③	Minimum	50

NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

4D139882

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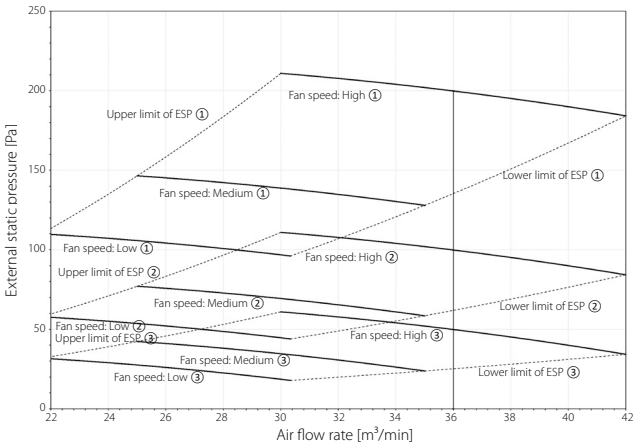
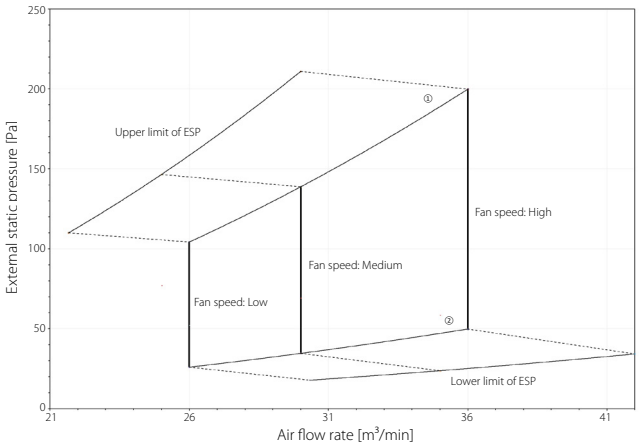
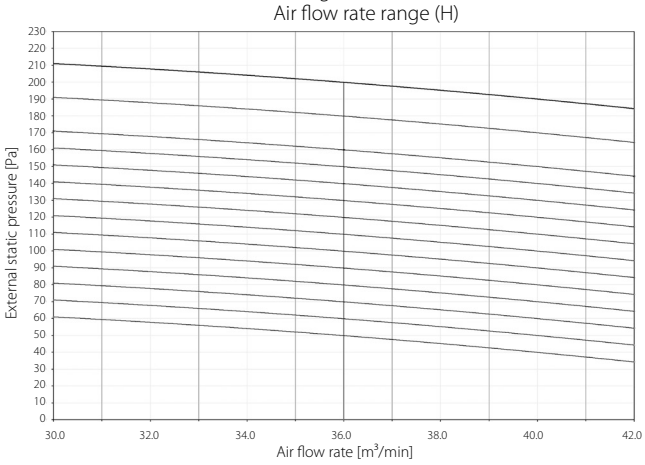
FXMA125A





① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



Mark		ESP [Pa]
①	Maximum	200
②	Standard	100
③	Minimum	50

NOTES

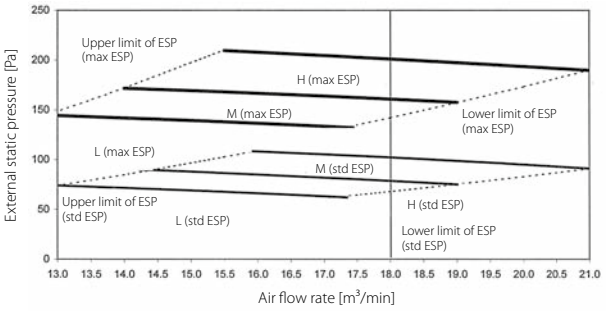
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

4D139884

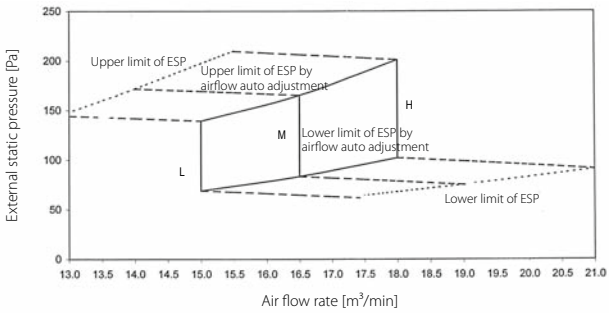
CLICK HERE TO VIEW ALL FXMQ-P7 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXMQ50P7

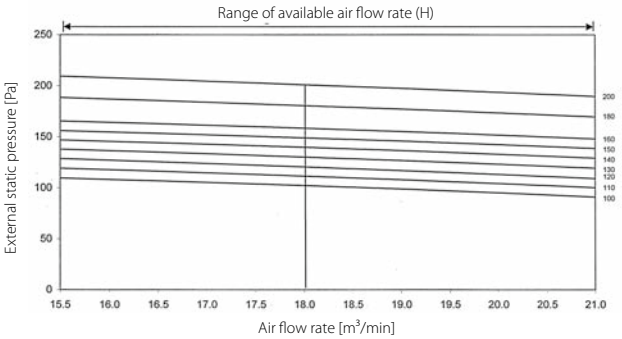
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2
(Field setting with remote control))



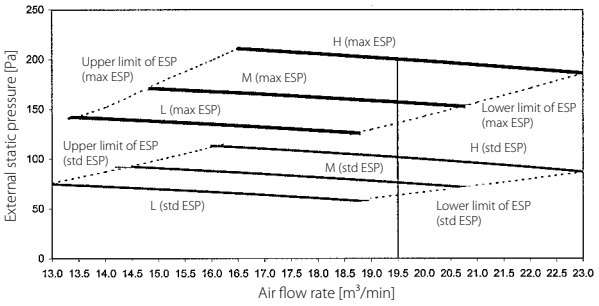
NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

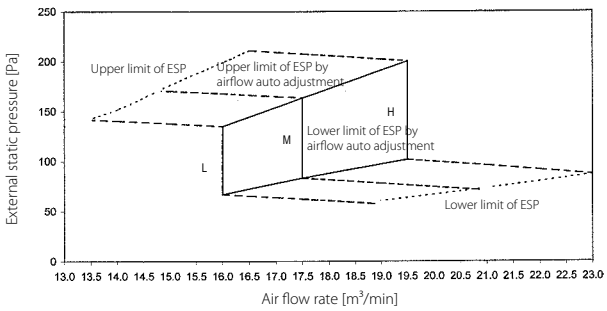
3TW32698-1

FXMQ63P7

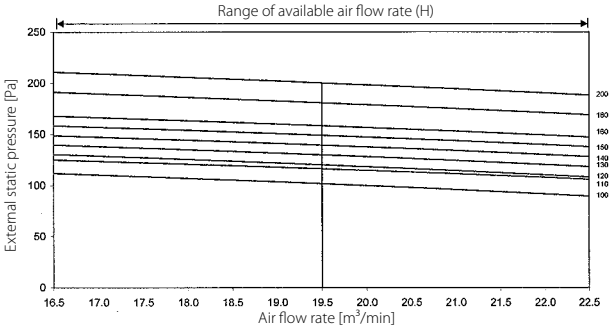
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2
(Field setting with remote control))



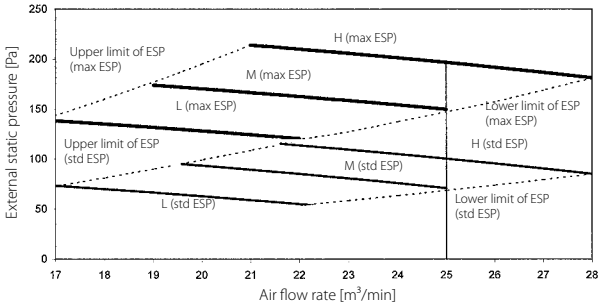
NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

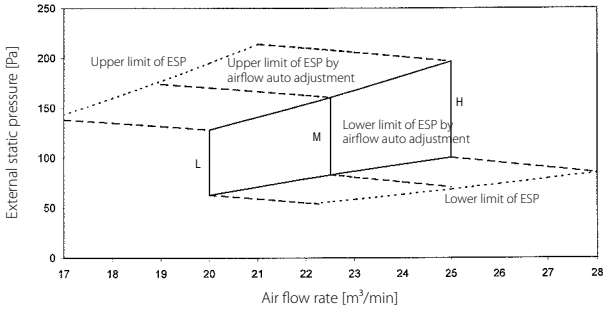
3TW32708-1

FXMQ80P7

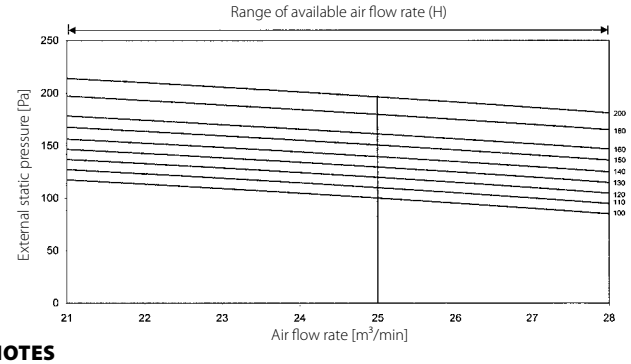
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2
(Field setting with remote control))



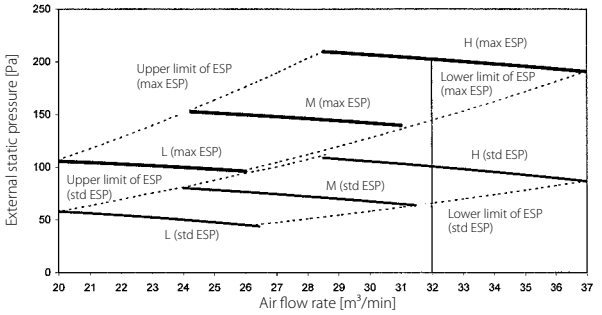
NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

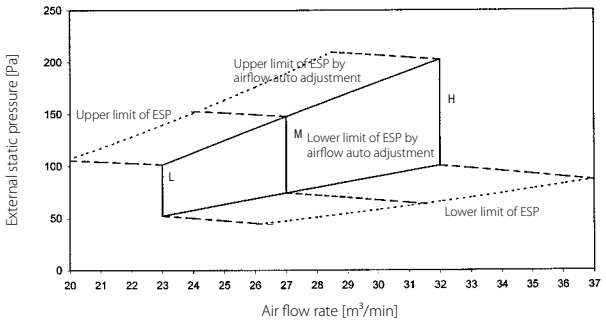
3TW32718-1

FXMQ100P7

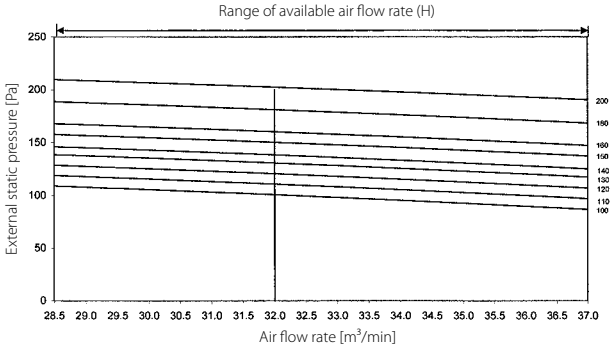
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2
(Field setting with remote control))



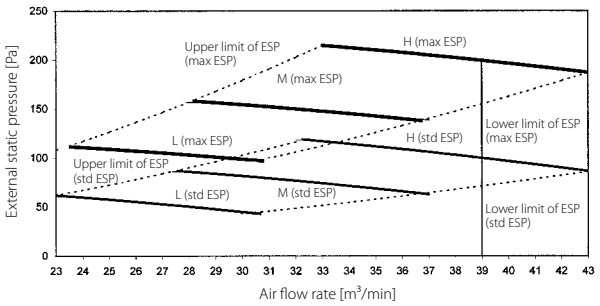
NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

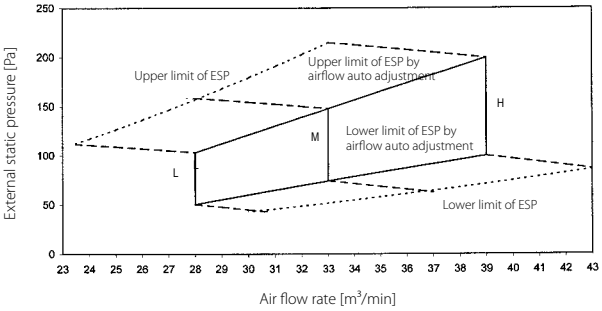
3TW32728-1

FXMQ125P7

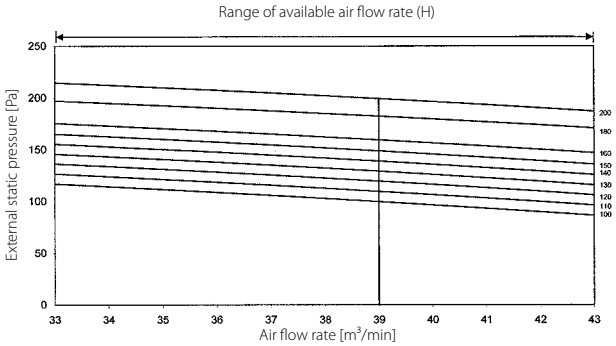
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2
(Field setting with remote control))

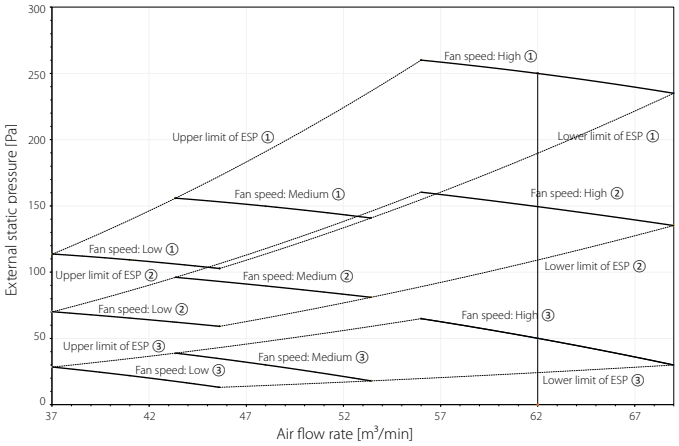


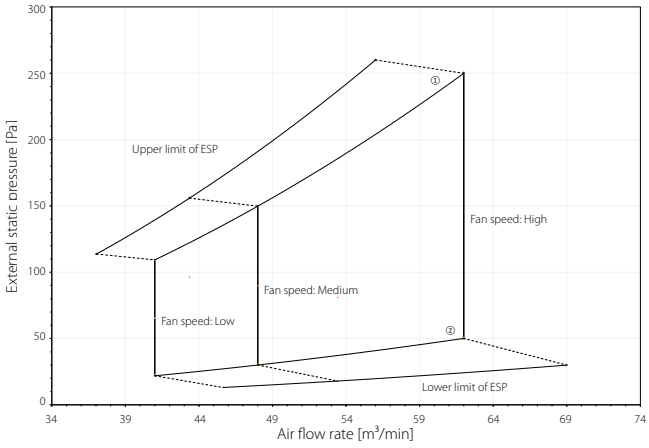
NOTES

1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

3TW32738-1

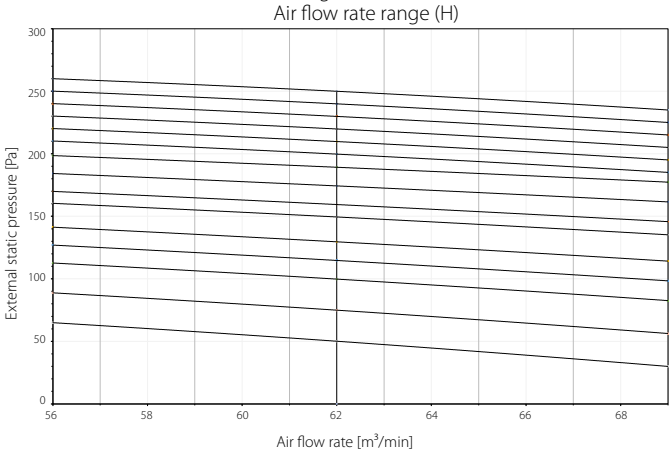
FXMA200A / FXMQ200A





① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



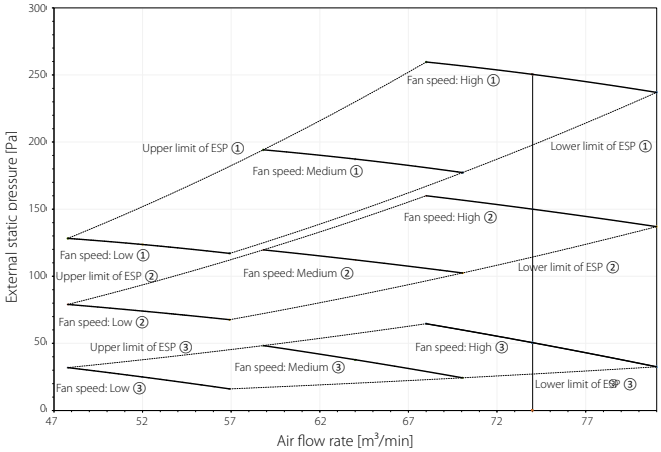
Mark		ESP [Pa]
①	Maximum	250
②	Standard	150
③	Minimum	50

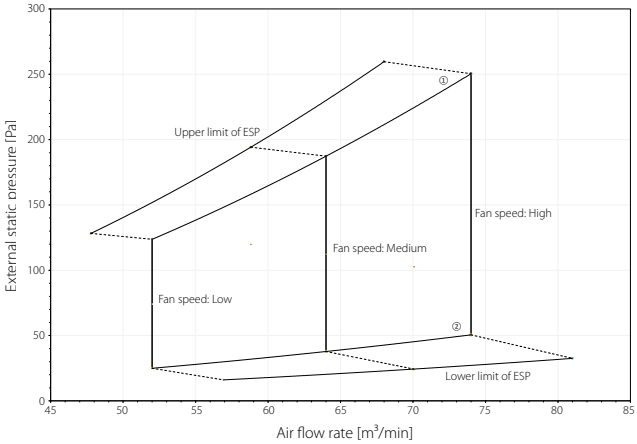
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

4D140823

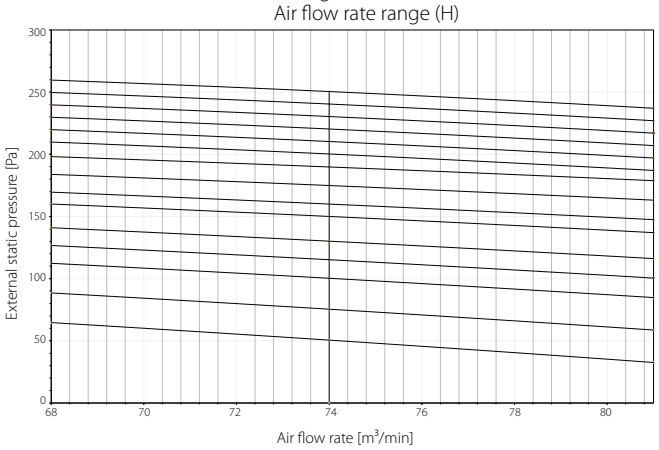
FXMA250A / FXMQ250A





① Upper limit of ESP by air flow auto adjustment
② Lower limit of ESP by air flow auto adjustment

Field setting with remote control
Air flow rate range (H)



Mark		ESP [Pa]
①	Maximum	250
②	Standard	150
③	Minimum	50

NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure

4D140824

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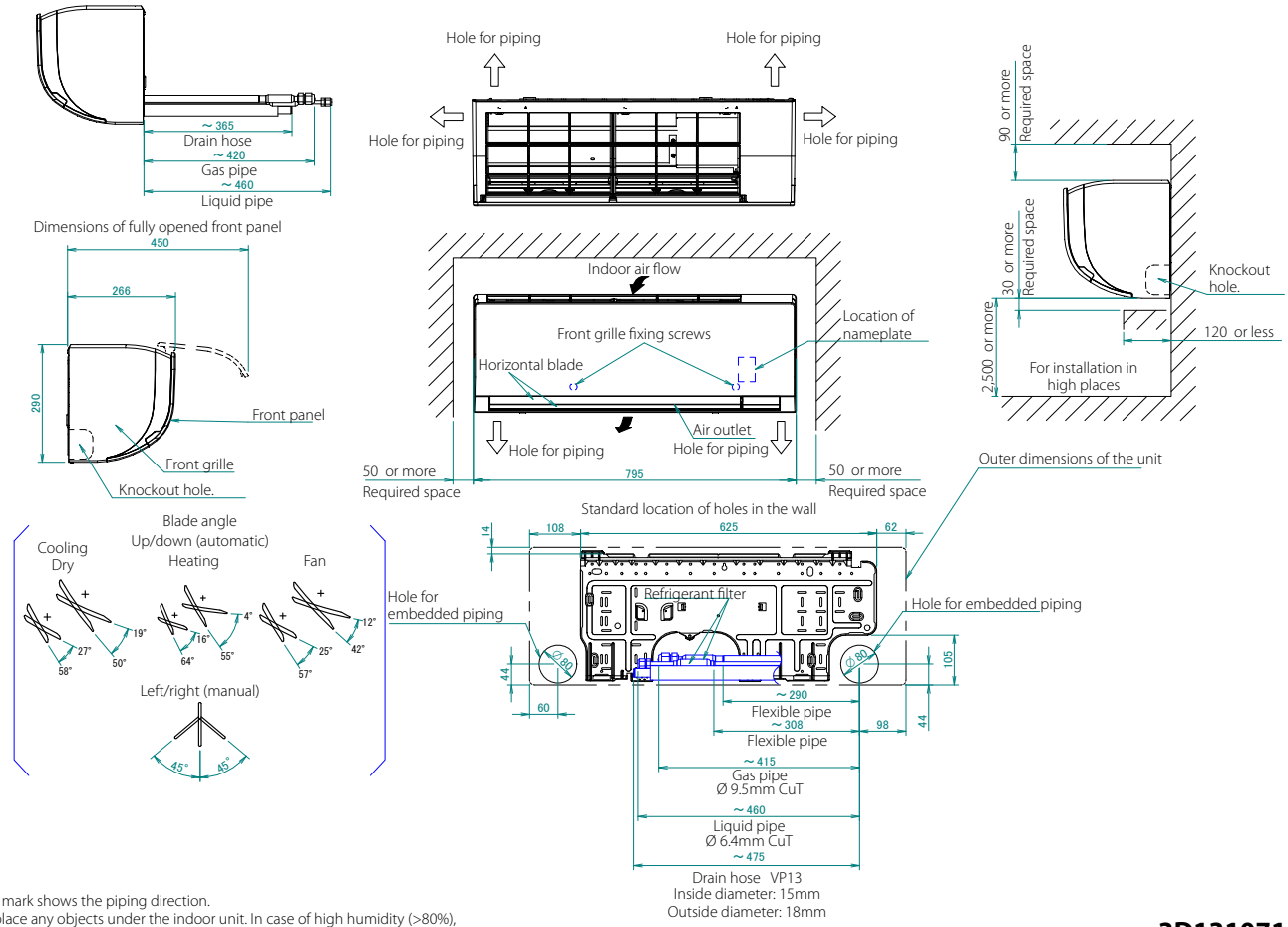
FXAA15-32A

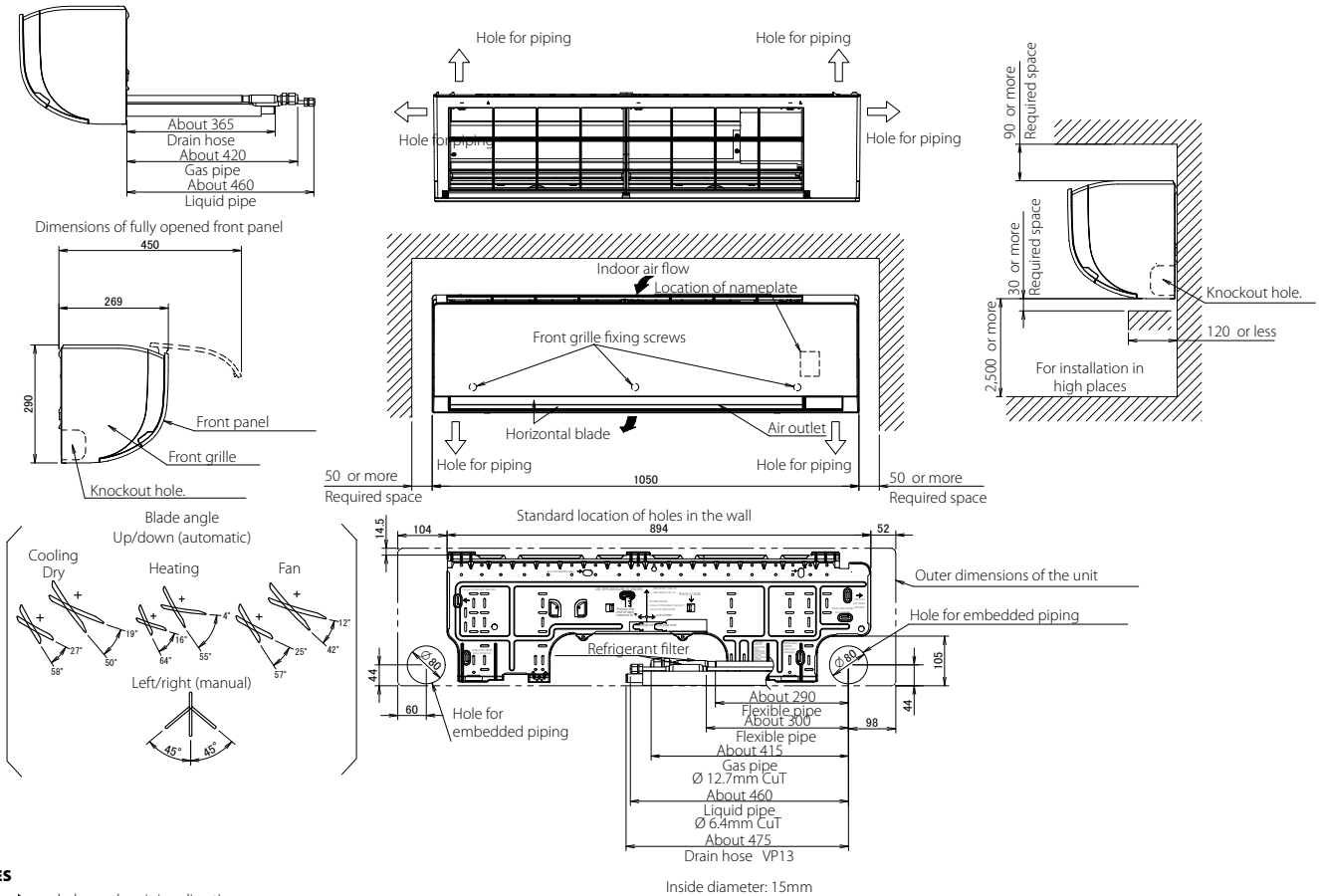


NOTES

1. The ⇨ mark shows the piping direction.
2. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D131071

FXAA40-63A

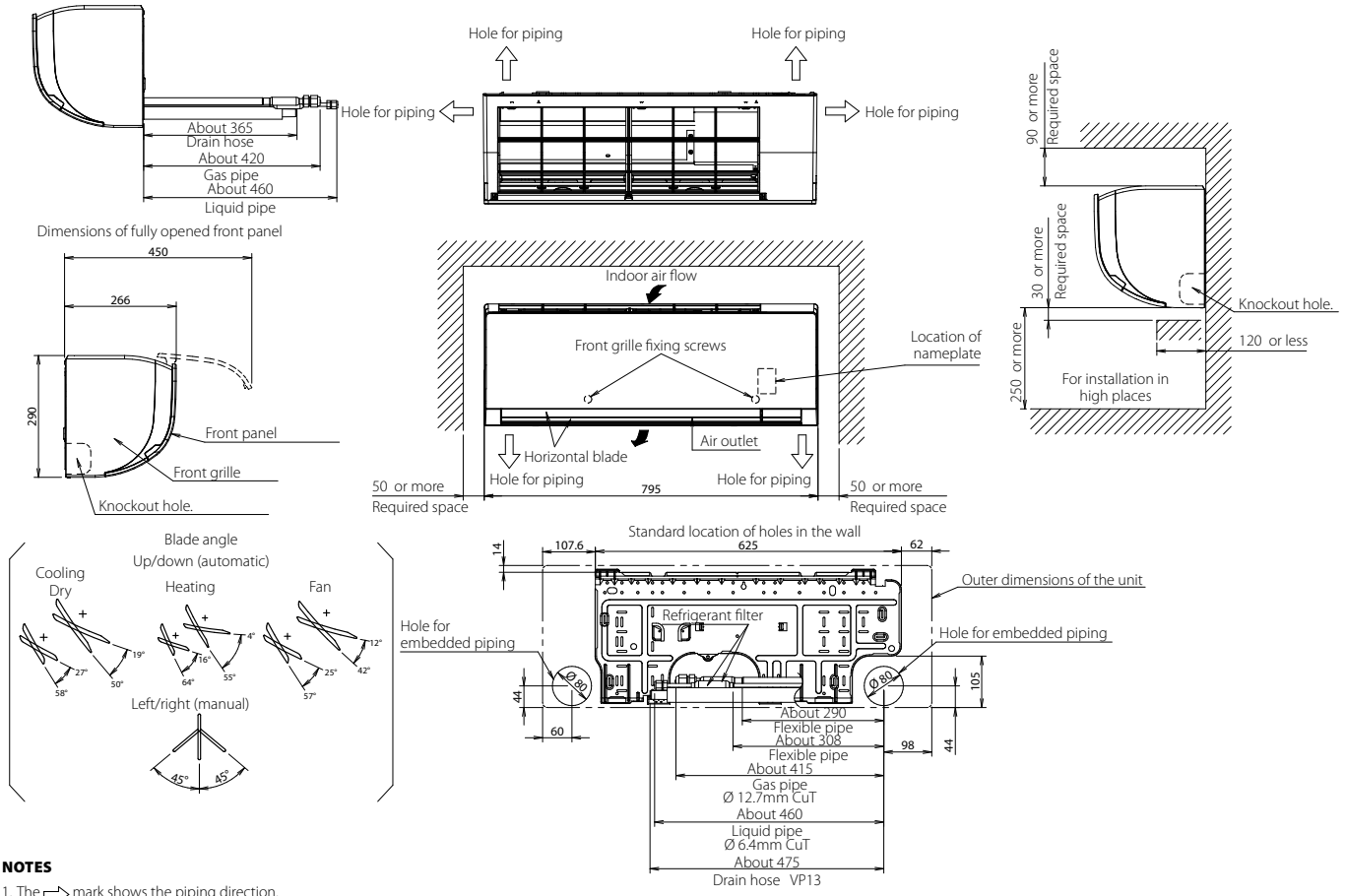


NOTES

1. The ⇨ mark shows the piping direction.
2. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D111369

FXAQ15-32A

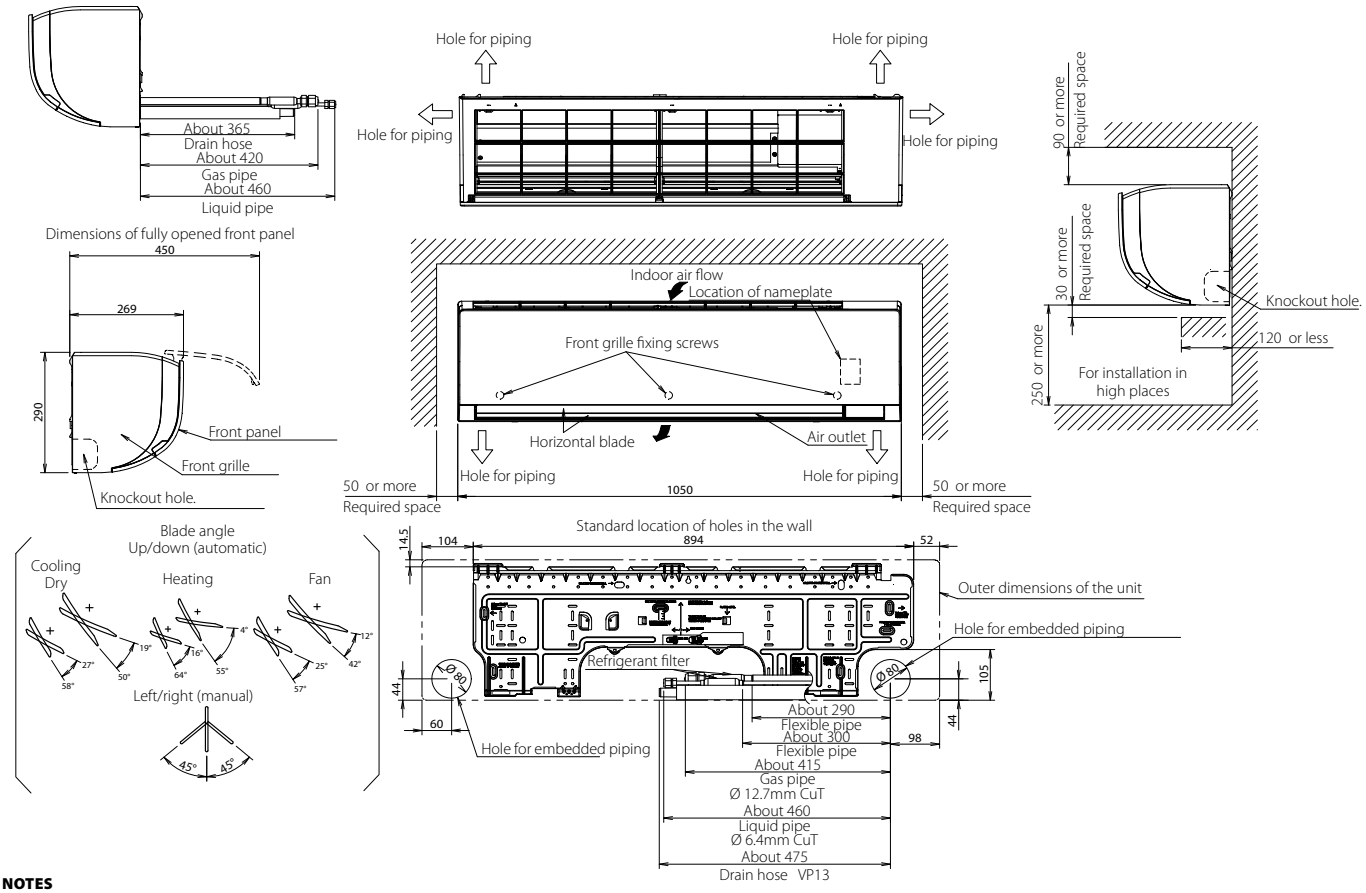


NOTES

1. The ⇨ mark shows the piping direction.
2. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D111370

FXAQ40-50A



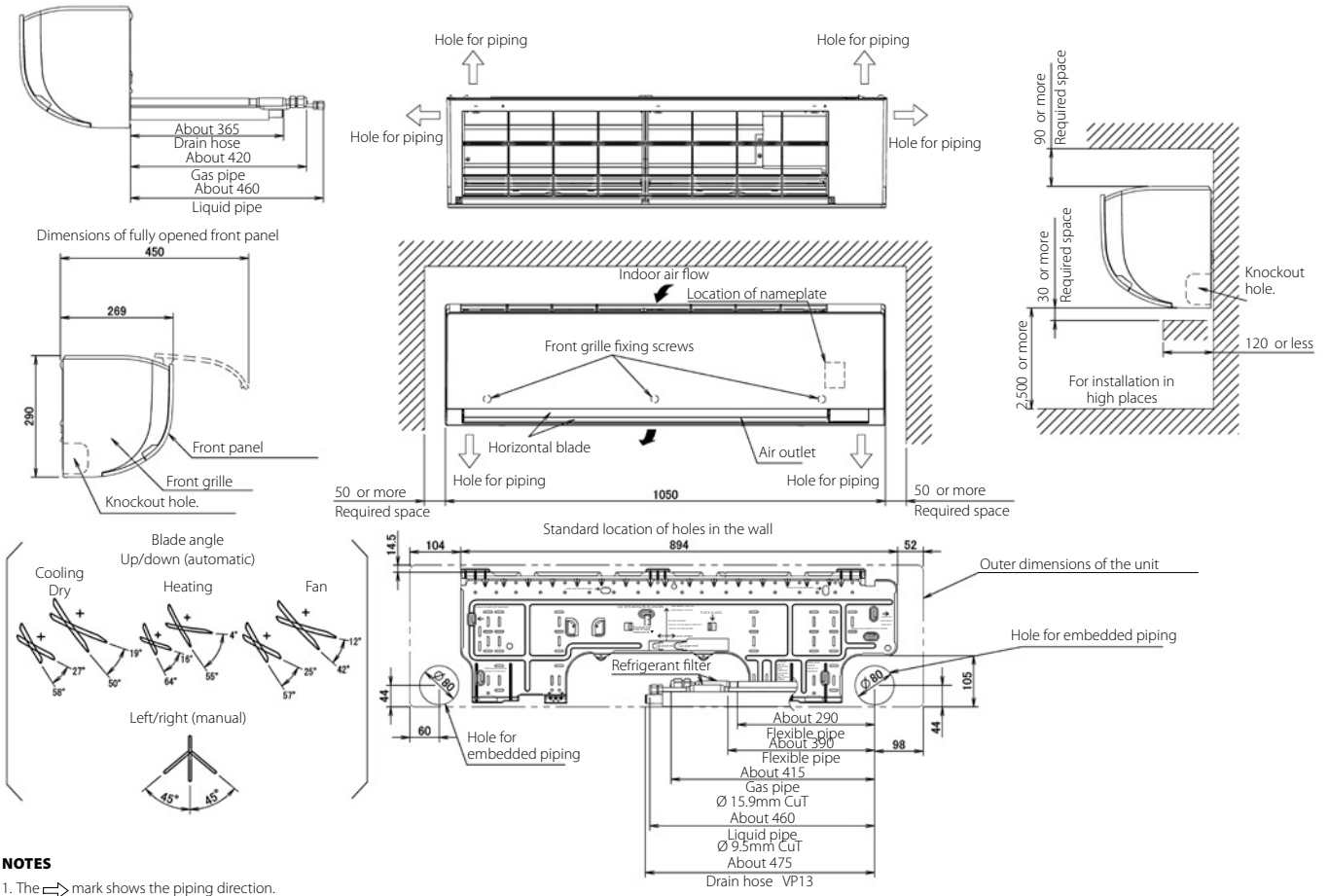
NOTES

1. The ⇨ mark shows the piping direction.
2. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D111369

CLICK HERE TO VIEW ALL FXAQ-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FXAQ63A

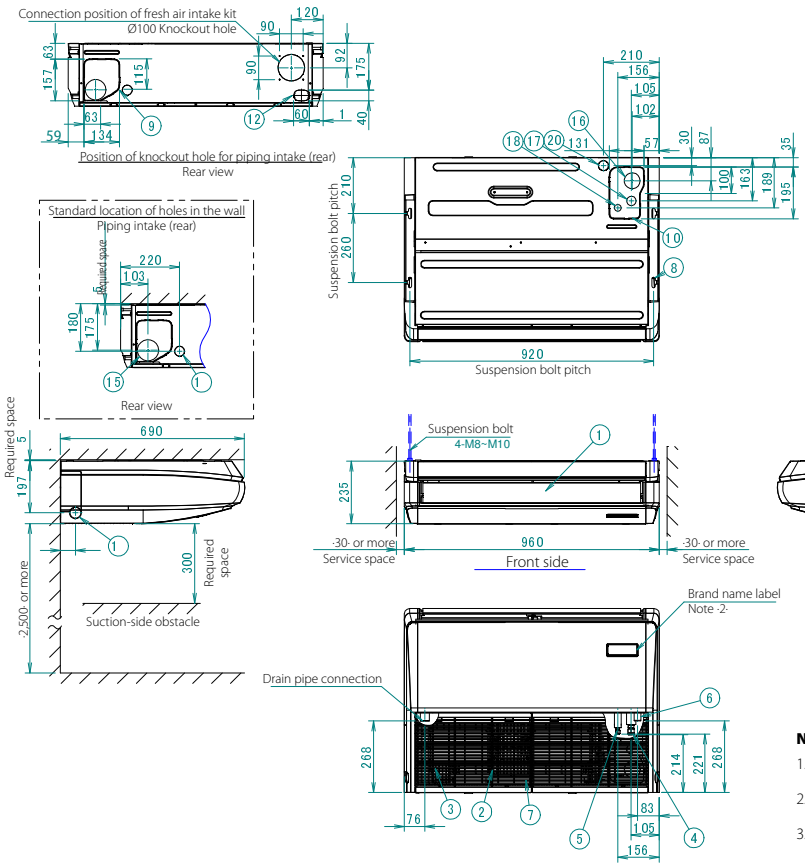


NOTES

1. The ⇨ mark shows the piping direction.
2. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D111368

FXHA32A



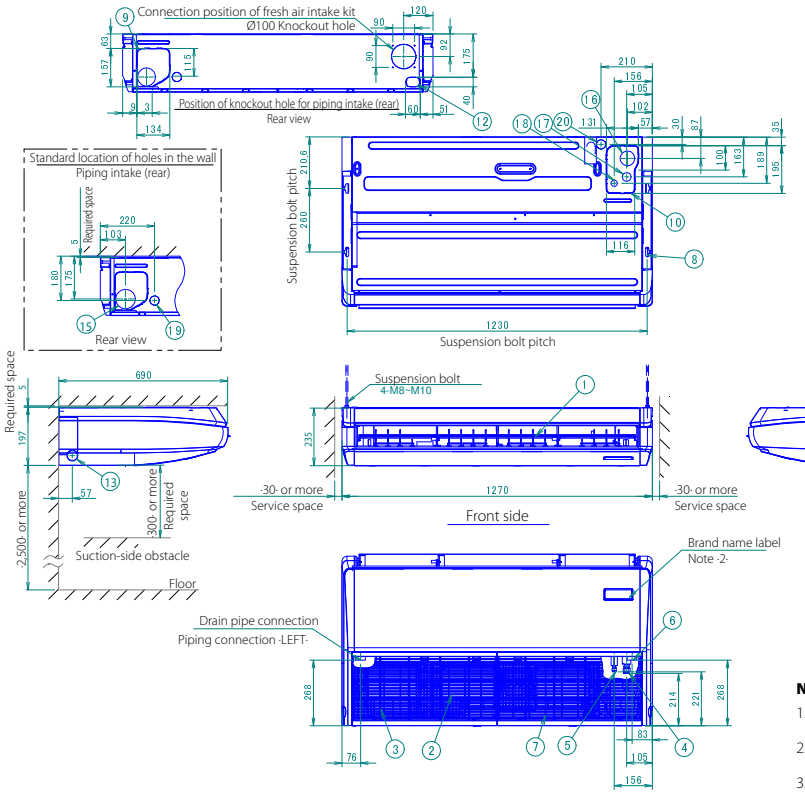
Item	Name	Description
1	Air discharge grille	-
2	Air suction grille	-
3	Air filter	-
4	Gas pipe connection	-Ø9.5- flare
5	Liquid pipe connection	-Ø6.4- flare
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	-
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø 100
16	Drain piping intake (top)	Ø 60
17	Gas piping intake (top)	Ø 36
18	Liquid piping intake (top)	Ø 26
19	Power supply wiring and control wiring intake (rear)	Ø 29
20	Power supply wiring and control wiring intake (top)	Ø 29

NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit.
   In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106574A

FXHA32A



Item	Name	Description
1	Air discharge grille	-
2	Air suction grille	-
3	Air filter	-
4	Gas pipe	Ø12.7 FLARE
5	Liquid pipe	Ø6.4 FLARE
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	-
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø 100
16	Drain piping intake (top)	Ø 60
17	Gas piping intake (top)	Ø 36
18	Liquid piping intake (top)	Ø 26
19	Power supply wiring and control wiring intake (rear)	Ø 29
20	Power supply wiring and control wiring intake (top)	Ø 29

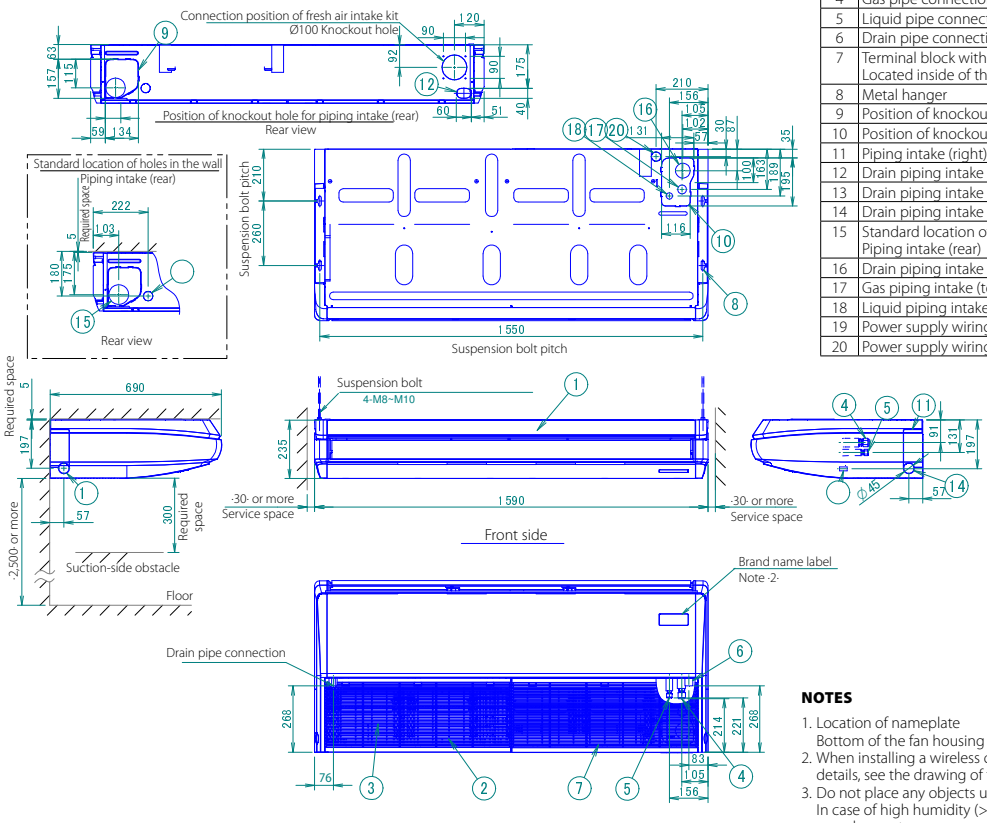
NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit.
   In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106574A

Detailed technical drawings

FXHA100A



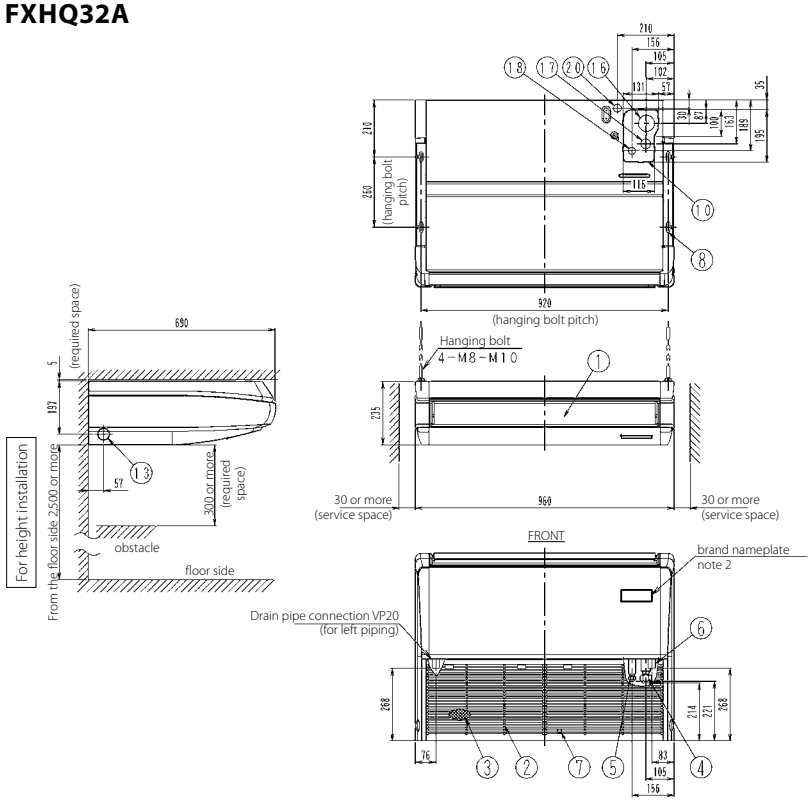
Item	Name	Description
1	Air discharge grille	-
2	Air suction grille	-
3	Air filter	-
4	Gas pipe connection	-Ø15.9- flare
5	Liquid pipe connection	-Ø9.5- flare
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	-
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left)	Knockout hole
13	Drain piping intake (right)	Knockout hole
14	Drain piping intake (left-rear)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø 100
16	Drain piping intake (top)	Ø 60
17	Gas piping intake (top)	Ø 36
18	Liquid piping intake (top)	Ø 26
19	Power supply wiring and control wiring intake (rear)	Ø 29
20	Power supply wiring and control wiring intake (top)	Ø 29

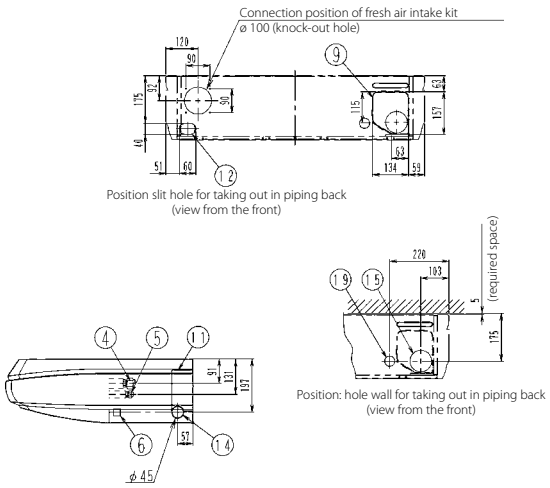
NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit.
   In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106530A

FXHQ32A





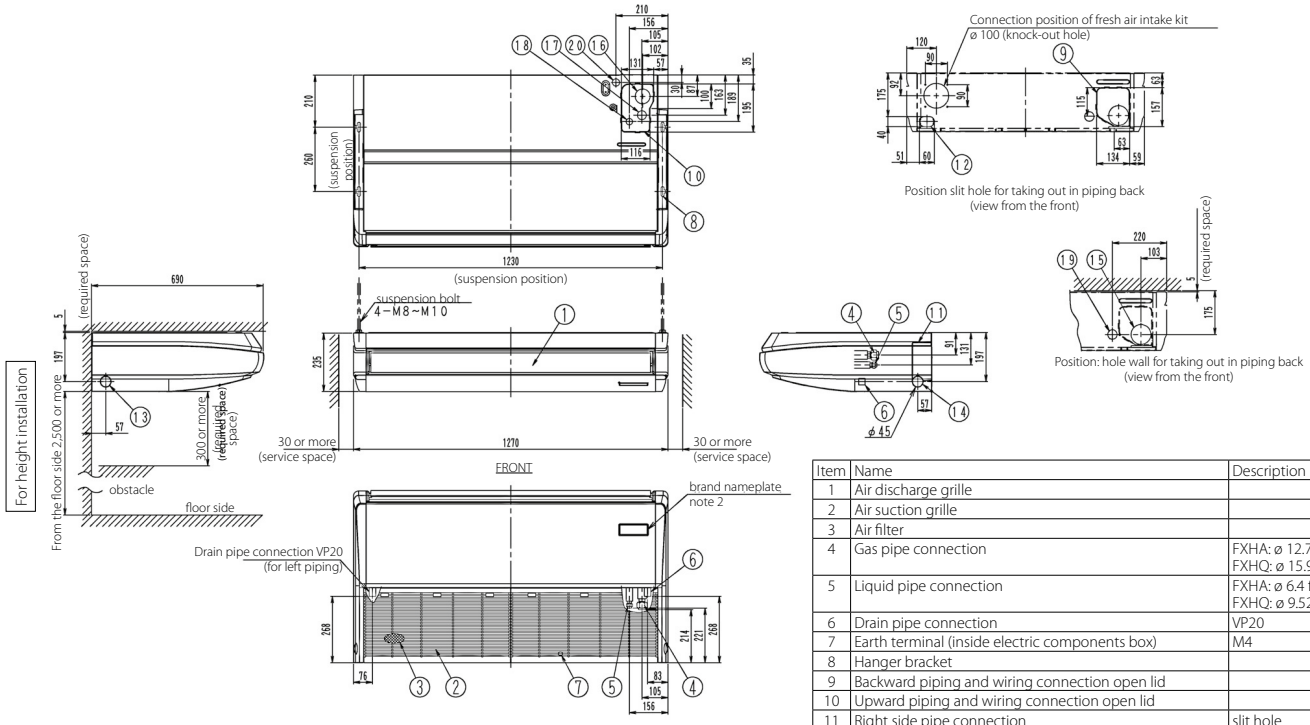
Item	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	FXHA: ø 9.52 flare; FXHQ: ø 15.9 flare
5	Liquid pipe connection	FXHA: ø 6.4 flare; FXHQ: ø 9.52 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside electric components box)	M4
8	Hanger bracket	
9	Backward piping and wiring connection open lid	
10	Upward piping and wiring connection open lid	
11	Right side pipe connection	slit hole
12	Left back pipe connection	slit hole
13	Left side drain pipe connection	slit hole
14	Right side drain pipe connection	slit hole
15	Hole of wall for taking out in piping back	ø 100
16	Upward drain pipe connection	ø 60
17	Upward gas pipe connection	ø 36
18	Upward liquid pipe connection	ø 26
19	Power source wiring and unit wiring back connection	ø 29
20	Power source wiring and unit wiring upper connection	ø 29

NOTES

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, the drain outlet are choked up and the air filter are dirty, dew may fall.

3D080029

FXHQ63A



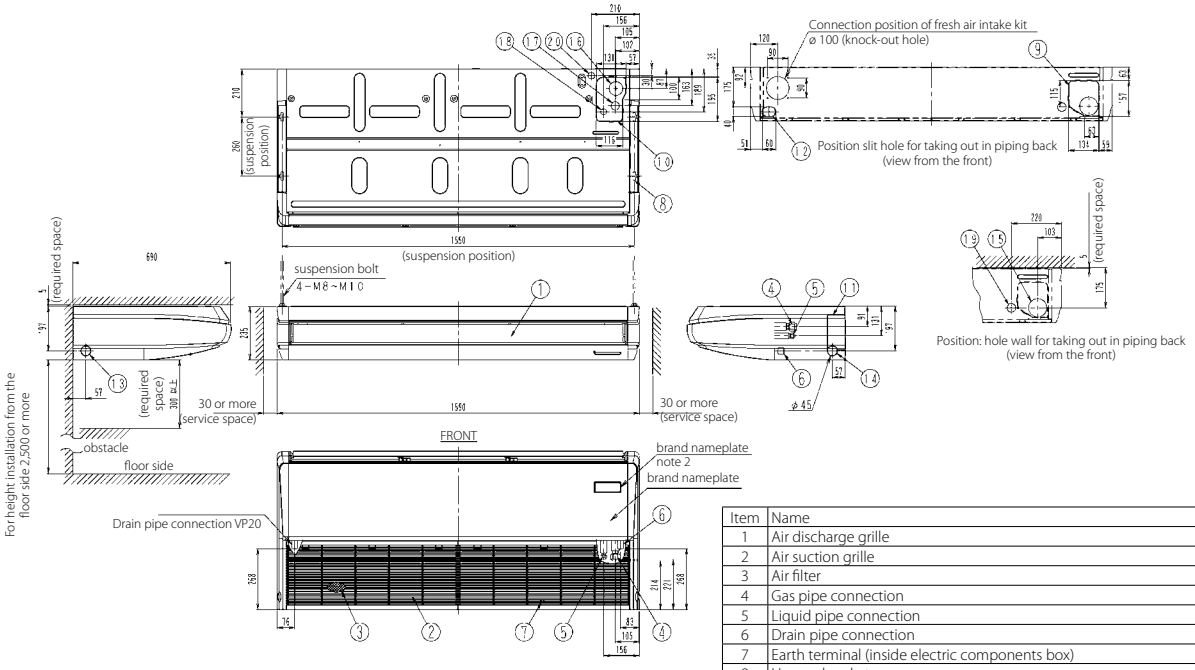
Item	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	FXHA: ø 12.7 flare; FXHQ: ø 15.9 flare
5	Liquid pipe connection	FXHA: ø 6.4 flare; FXHQ: ø 9.52 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside electric components box)	M4
8	Hanger bracket	
9	Backward piping and wiring connection open lid	
10	Upward piping and wiring connection open lid	
11	Right side pipe connection	slit hole
12	Left back pipe connection	slit hole
13	Left side drain pipe connection	slit hole
14	Right side drain pipe connection	slit hole
15	Hole of wall for taking out in piping back	ø 100
16	Upward drain pipe connection	ø 60
17	Upward gas pipe connection	ø 36
18	Upward liquid pipe connection	ø 26
19	Power source wiring and unit wiring back connection	ø 29
20	Power source wiring and unit wiring upper connection	ø 29

3D069632A

NOTES

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, the drain outlet are choked up and the air filter are dirty, dew may fall.

FXHQ100A



Item	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	ø 15.9 flare
5	Liquid pipe connection	ø 9.5 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside electric components box)	M4
8	Hanger bracket	
9	Backward piping and wiring connection open lid	
10	Upward piping and wiring connection open lid	
11	Right side pipe connection	slit hole
12	Left back pipe connection	slit hole
13	Left side drain pipe connection	slit hole
14	Right side drain pipe connection	slit hole
15	Hole of wall for taking out in piping back	ø 100
16	Upward drain pipe connection	ø 60
17	Upward gas pipe connection	ø 36
18	Upward liquid pipe connection	ø 26
19	Power source wiring and unit wiring back connection	ø 29
20	Power source wiring and unit wiring upper connection	ø 29

3D069633D

NOTES

1. Location of unit's name plate: bottom of fan housing inside the suction grille.
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
3. Don't put anything under indoor unit because dew may fall by reason of following:
   1. The humidity is 80% or more.
   2. The drain outlet is stopped up.
   3. he air filter is dirty.

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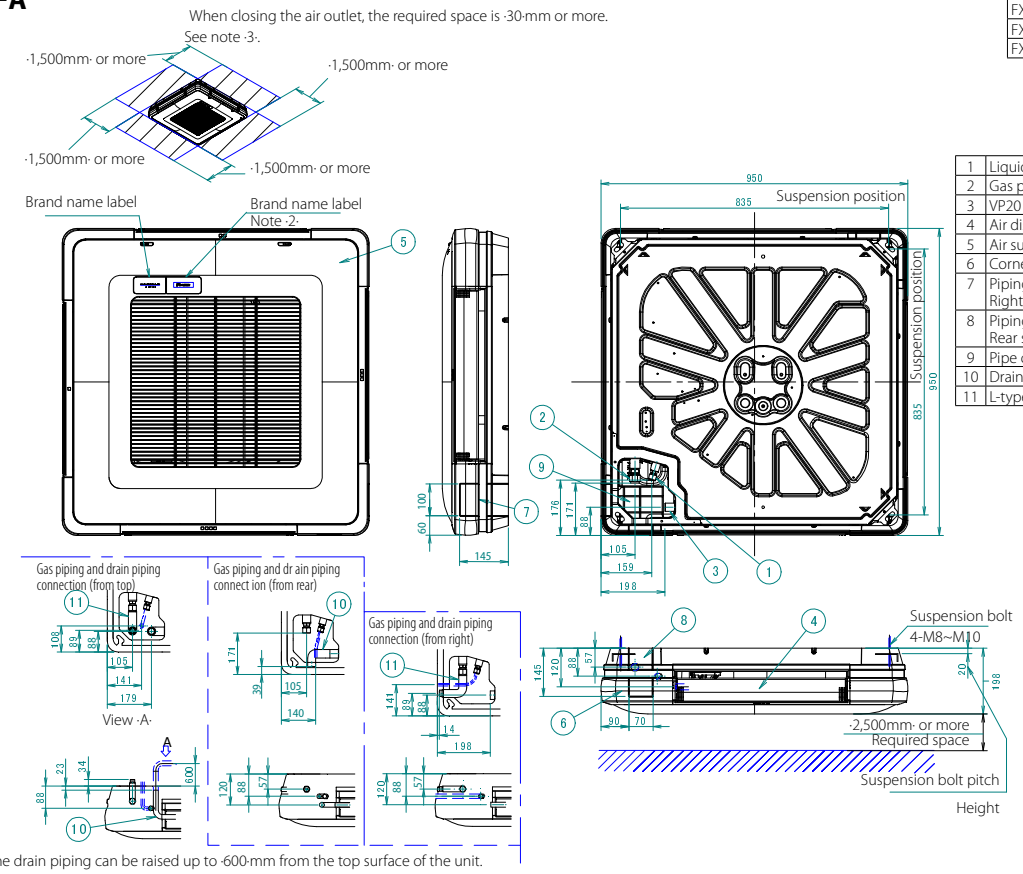
FXUA-A

Model	AA	AB
FXUA50	ø6.4	ø12.7
FXUA71	ø6.4	ø12.7
FXUA100	ø9.5	ø15.9



1	Liquid pipe connection ·AA· flare
2	Gas pipe connection ·AB· flare
3	VP20 Drain socket
4	Air discharge outlet
5	Air suction grille
6	Corner decoration cover
7	Piping connections / Wiring connection Right side
8	Piping connections / Wiring connection Rear side
9	Pipe cover (top)
10	Drain pipe connection (outside diameter ·26·)
11	L-type piping kit (upward direction)

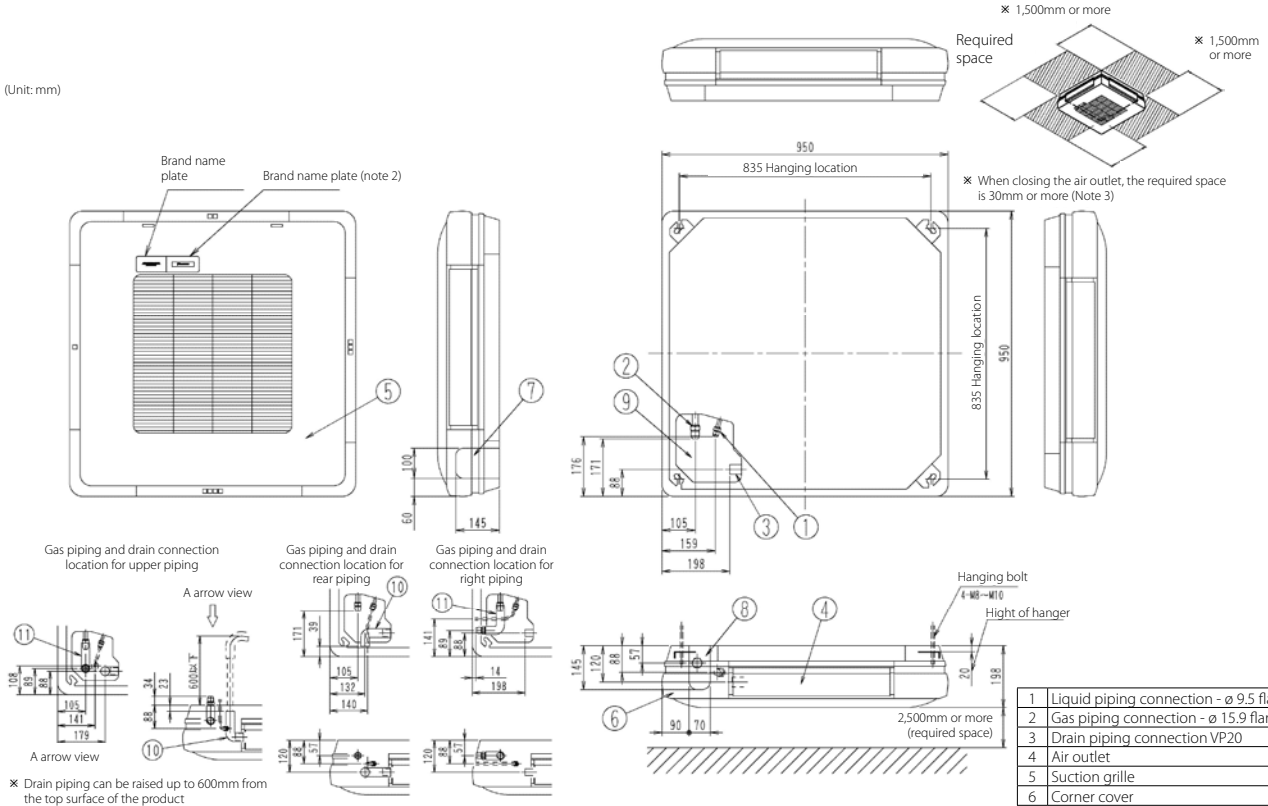
NOTES

1. The unit nameplate is located on the control box cover.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. When closing the discharge grille in case of ·2·-way blow or ·3·-way blow, there are limit ations to the piping connection direction. See the installation manual.
4. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D138403

FXUQ-A

(Unit: mm)



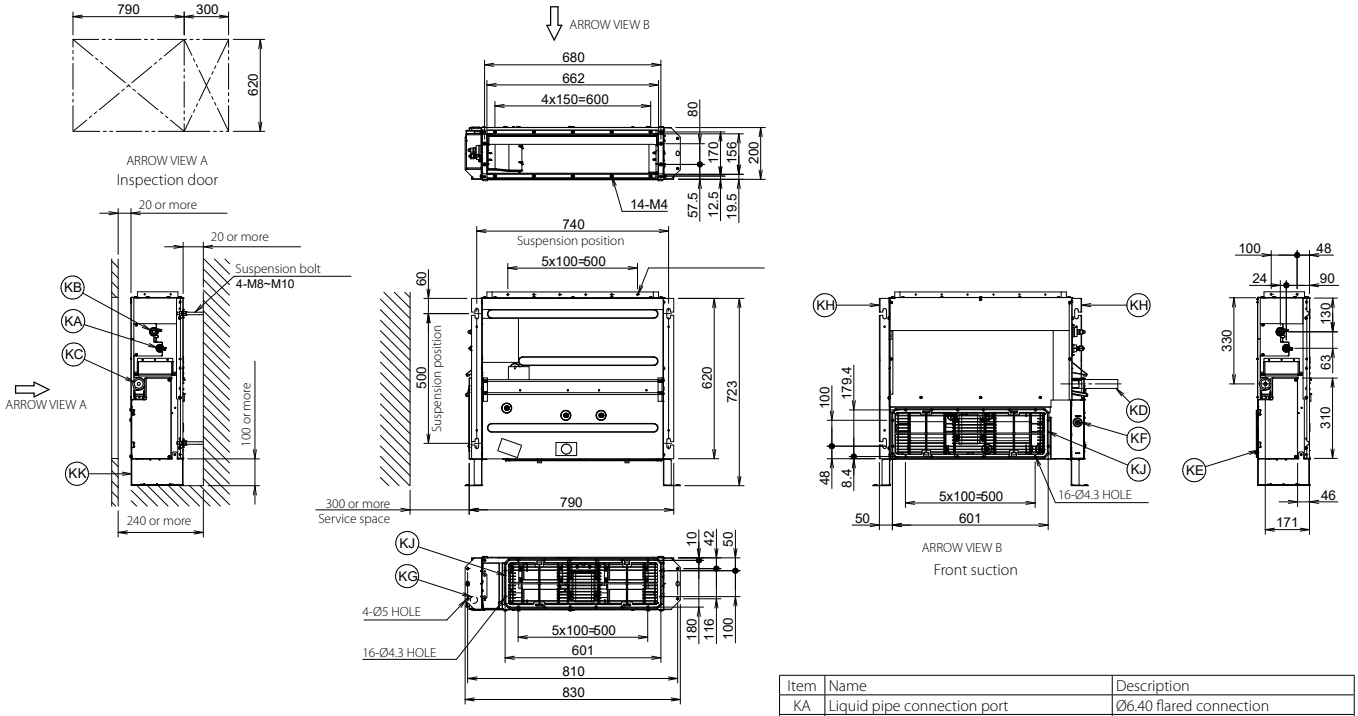
1	Liquid piping connection - ø 9.5 flare
2	Gas piping connection - ø 15.9 flare
3	Drain piping connection VP20
4	Air outlet
5	Suction grille
6	Corner cover
7	Right Pipe / wiring connection
8	Rear Pipe / wiring connection
9	Piping penetration cover
10	Elbow (accesory) - External dia, ø 26
11	L-Bent piping (accesory) - ø 15.9 flare

NOTES

1. Location for manufacture's label: On the control box lid inside suction grille.
2. This is where the signal of infrared remote controller is received. Refer to the outside drawing of infrared remote controller in detail.
3. When closing the discharge grill (2 or 3 way discharge), direction of pipe connection will be limited, please refer to installation manual.
4. Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fail.

3D080135A

FXNQ20-32A



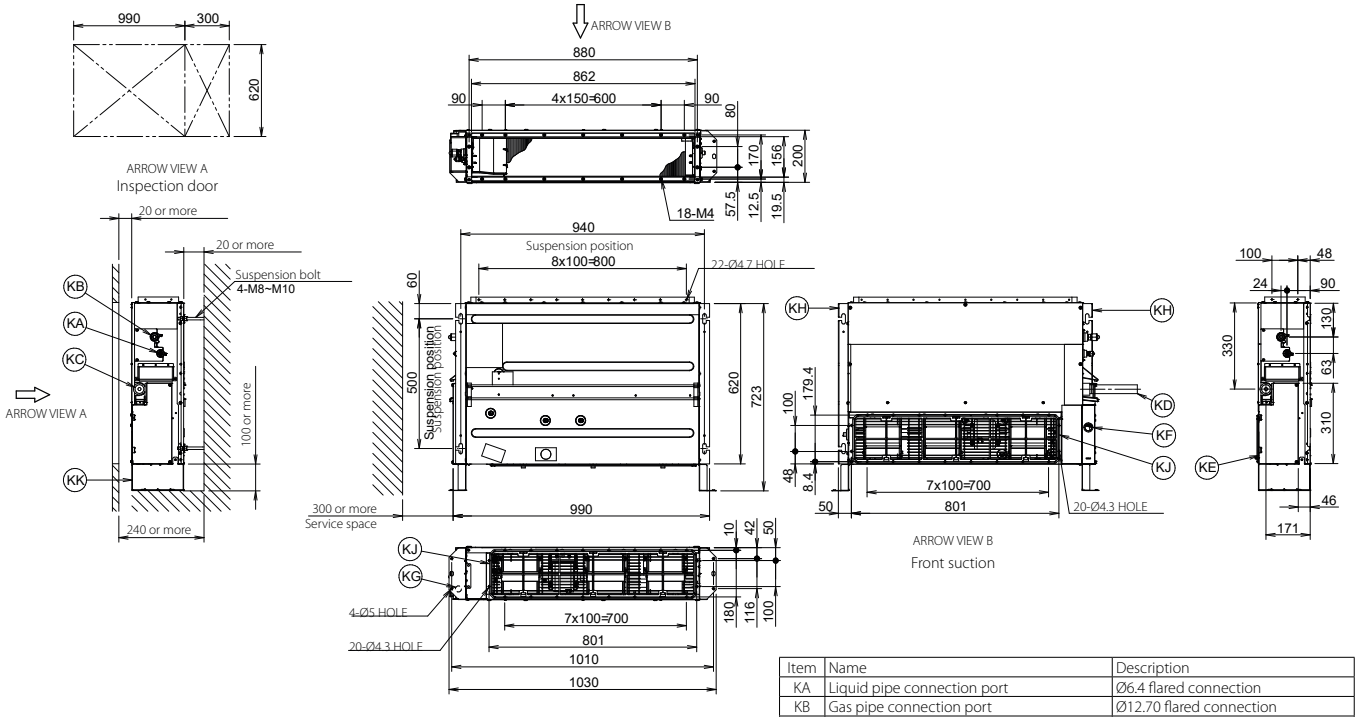
Item	Name	Description
KA	Liquid pipe connection port	Ø6.40 flared connection
KB	Gas pipe connection port	Ø12.7 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096749A

FXNQ40-50A



Item	Name	Description
KA	Liquid pipe connection port	Ø6.4 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096747

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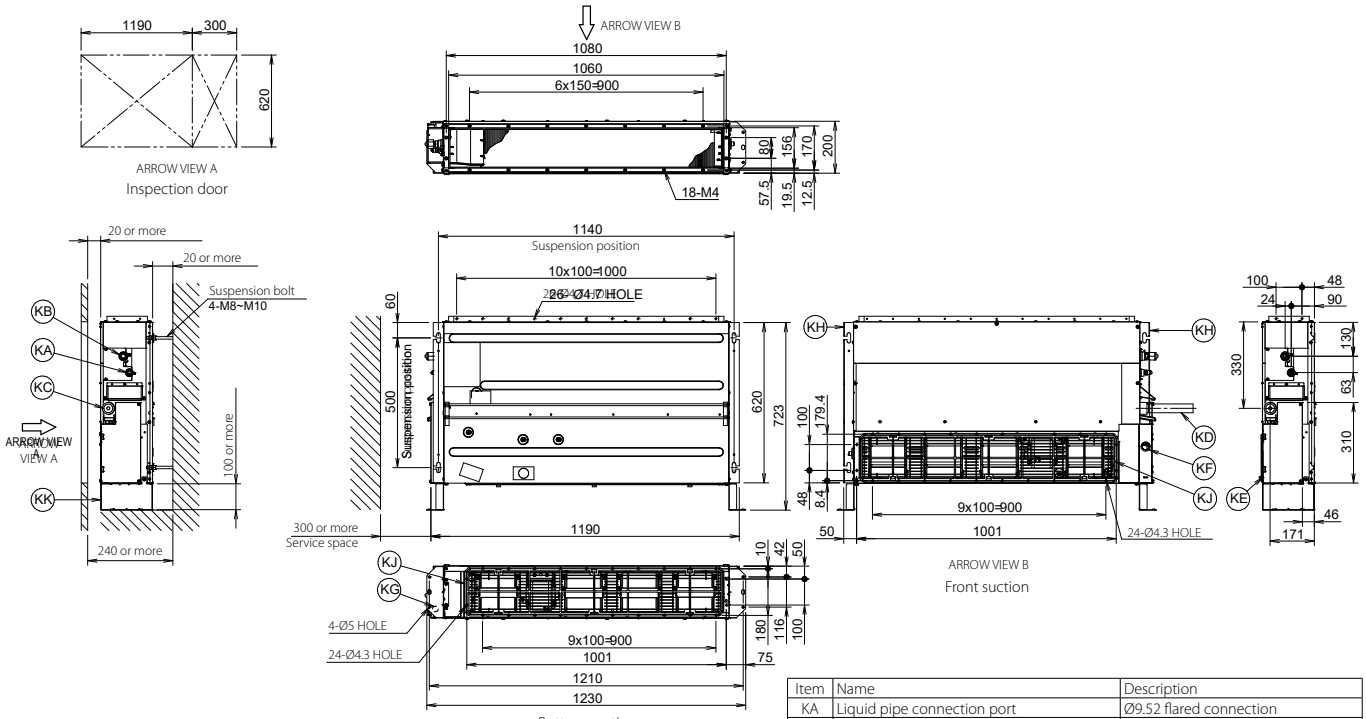
FXNQ63A



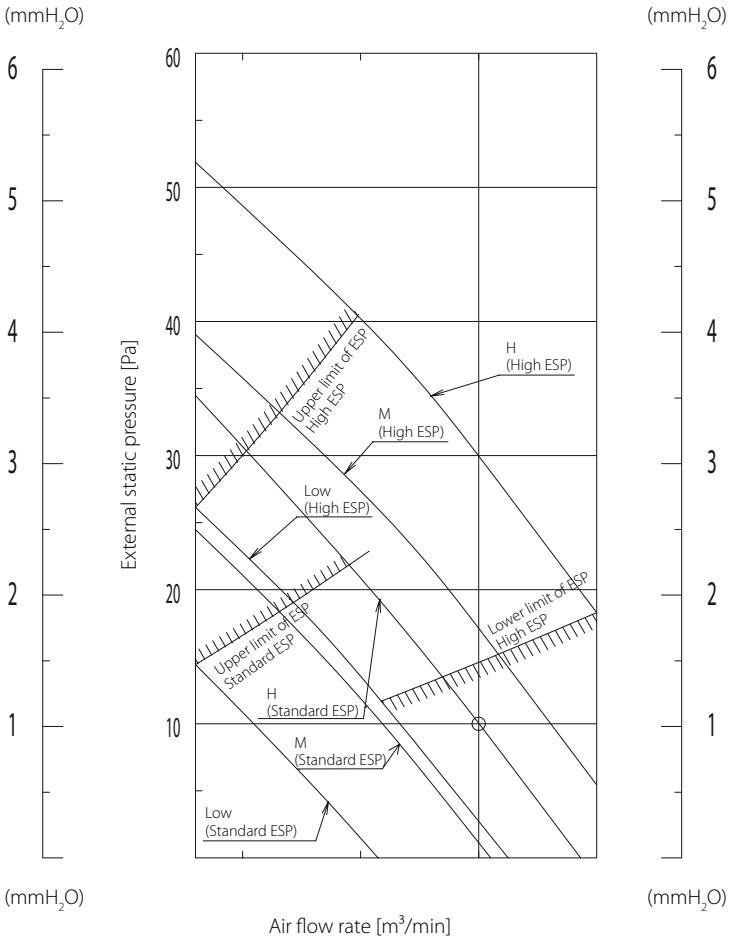
Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.9 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D096740A

FXNQ20-25A



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting..

3D086736B

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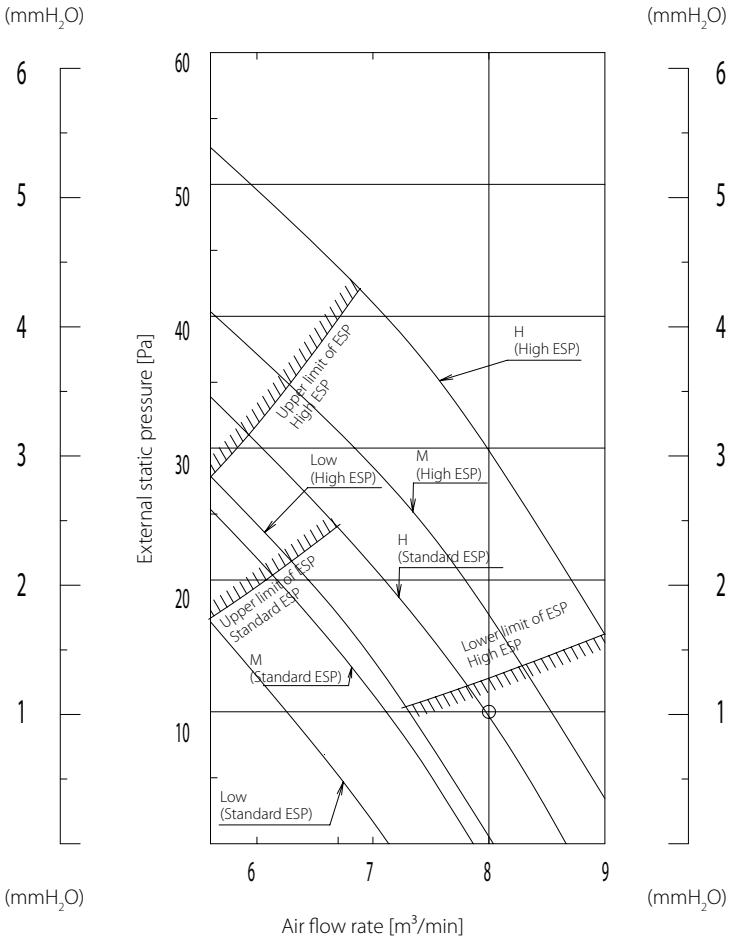
FXNQ32A

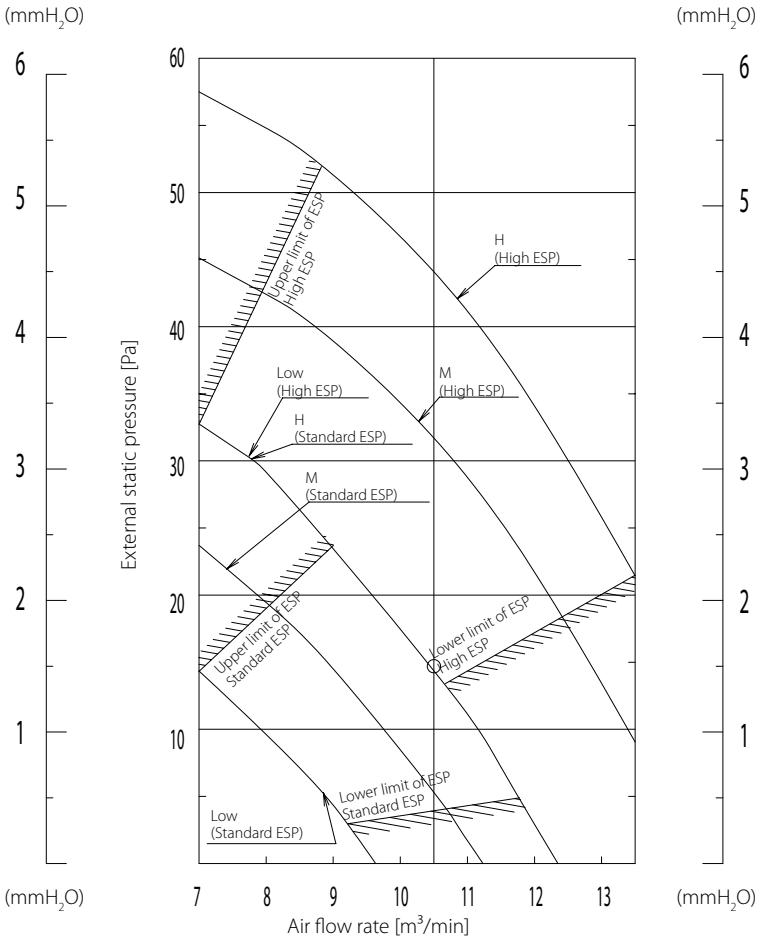


NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting..

3D081425C

FXNQ40A



NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting..

3D081426C

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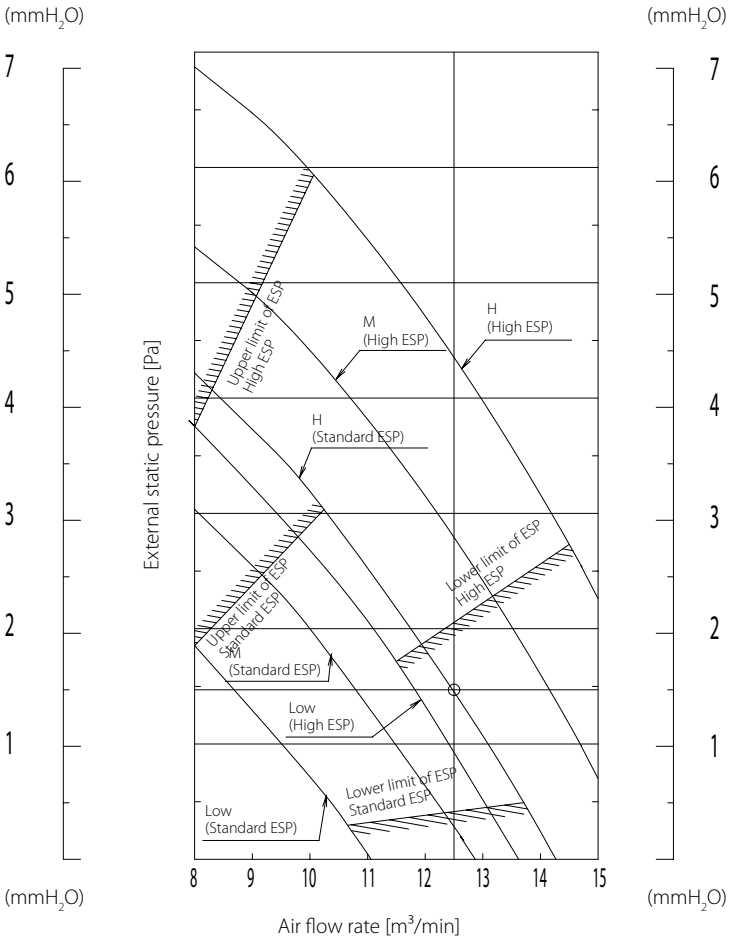
FXNQ50A

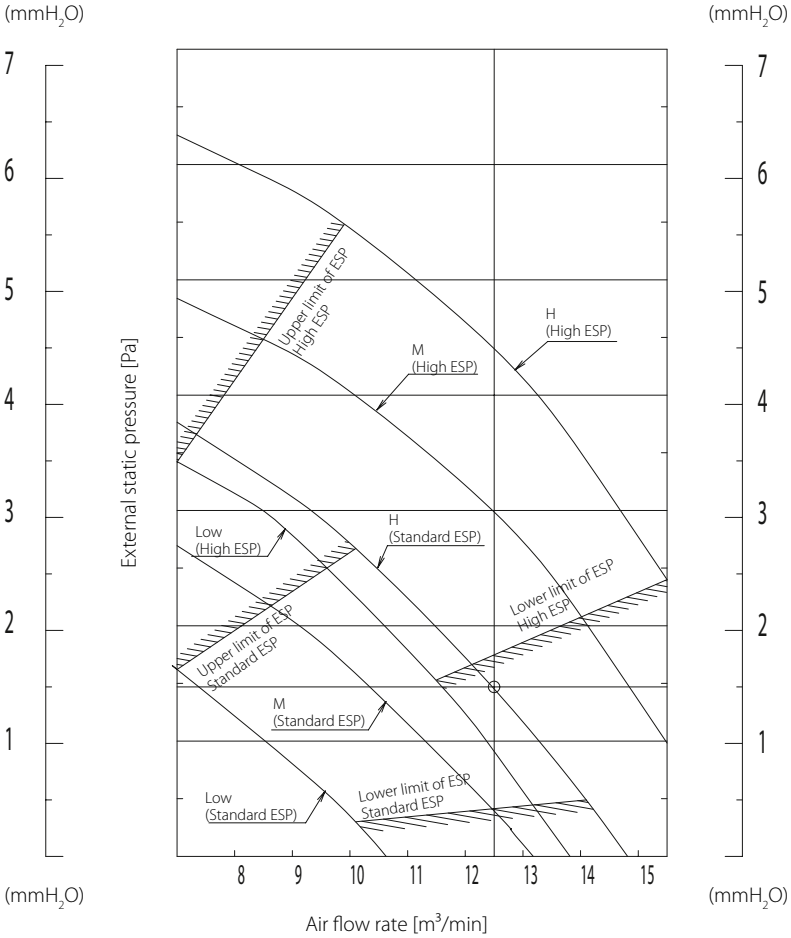


NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting..

3D081427C

FXNQ63A

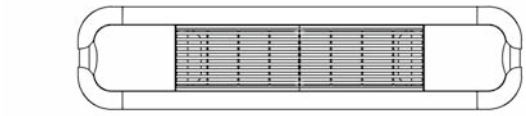


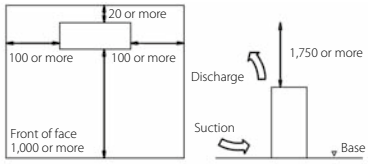
NOTES

1. The remote controller can be used to switch between 'high' and 'low'.
2. The air flow is factory-set to 'standard'. It is possible to switch between 'standard ESP' and 'high ESP' by remote controller setting..

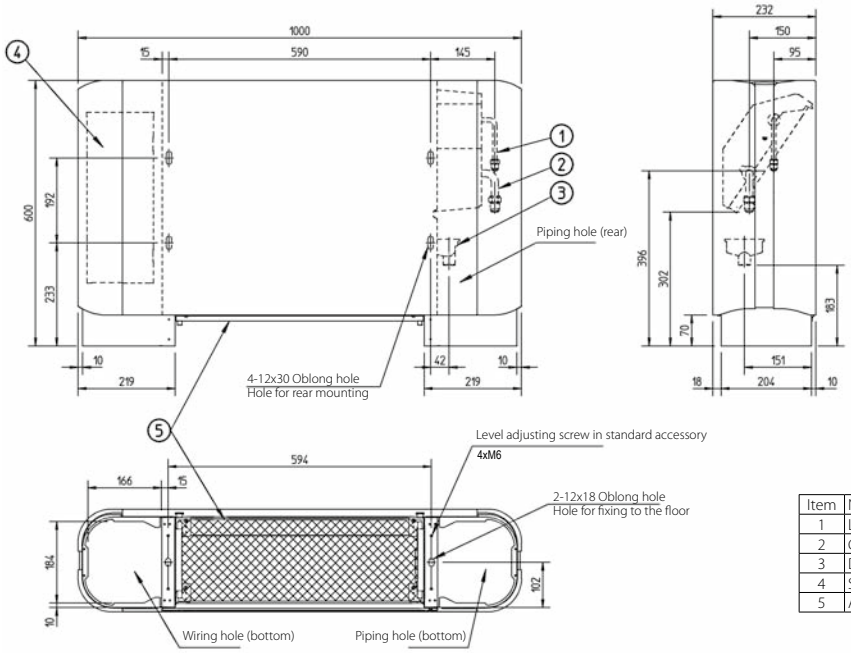
3D081429C

FXLQ20-25P





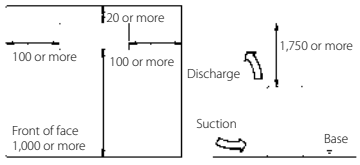
Required installation space



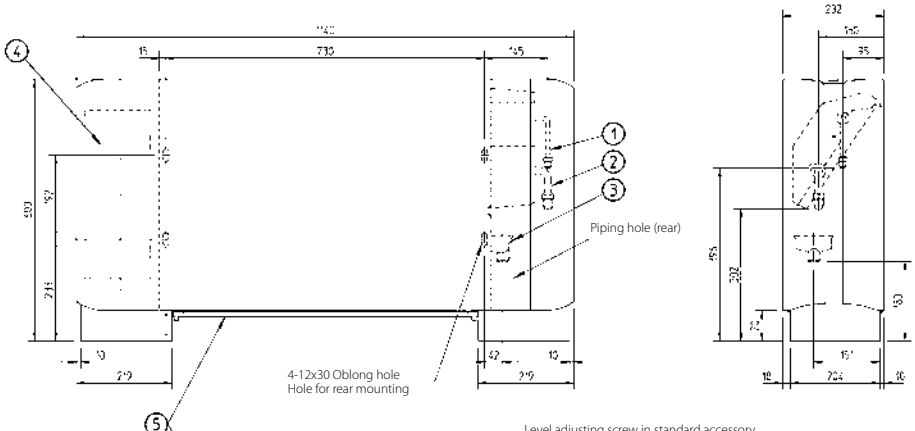
Item	Name	Description
1	Liquid pipe connection	Ø6.4 Flare connection
2	Gas pipe connection	Ø12.7 Flare connection
3	Drain pipe connection	O.D.Ø21
4	Switch box	-
5	Air ilter	-

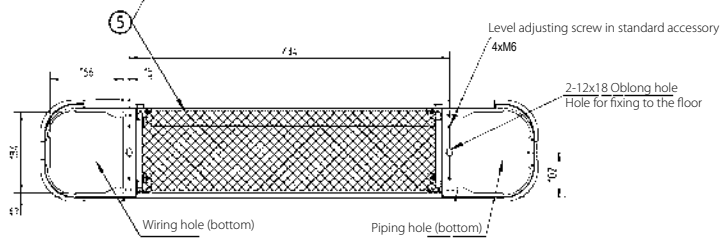
3TW32294-1

FXLQ32-40P



Required installation space





Item	Name	Description
1	Liquid pipe connection	Ø6.4 Flare connection
2	Gas pipe connection	Ø12.7 Flare connection
3	Drain pipe connection	O.D.Ø21
4	Switch box	-
5	Air ilter	-

3TW32314-1

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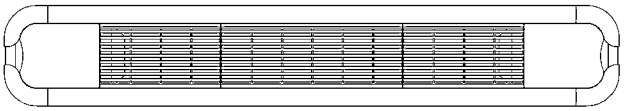
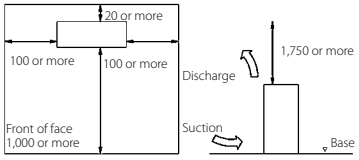
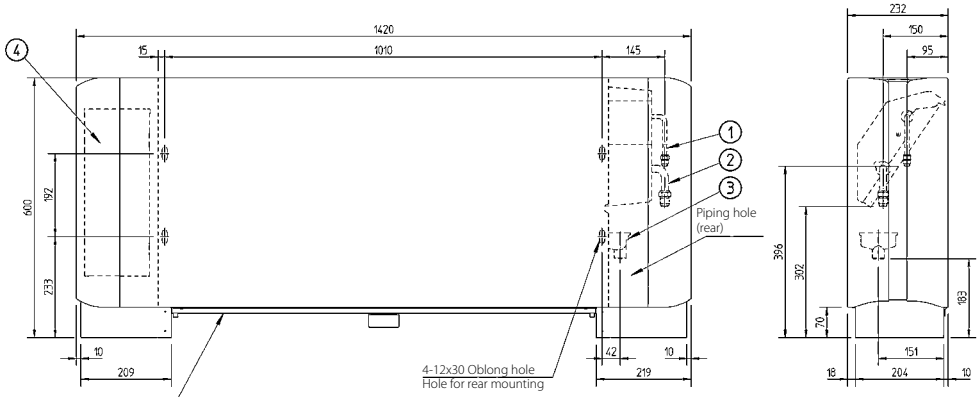
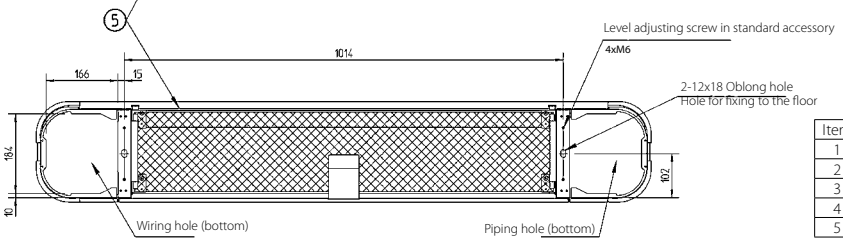
FXLQ50-63P





Required installation space





Model	A	B
FXL050	Ø6.4	Ø12.7
FXL063	Ø9.5	Ø15.9

Item	Name	Description
1	Liquid pipe connection	ØA Flare connection
2	Gas pipe connection	ØB Flare connection
3	Drain pipe connection	O.D.Ø21
4	Switch box	-
5	Air ilter	-

3TW32334-1

Technical drawings

Hot water

HXY-A8 328

HXHD-A8 329

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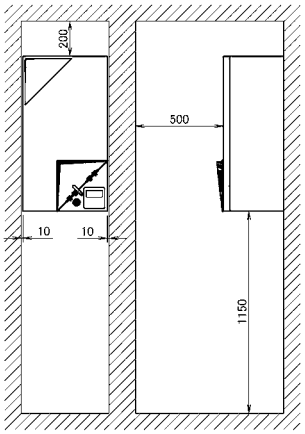
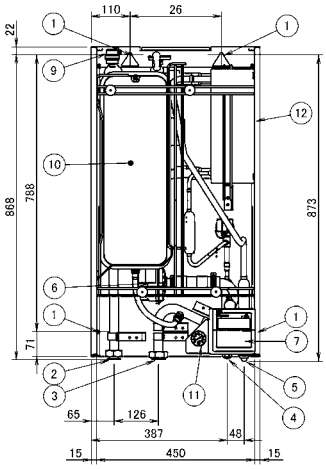
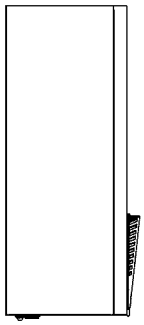
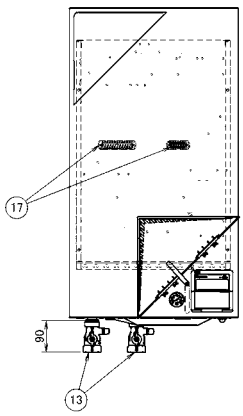
HXY-A8

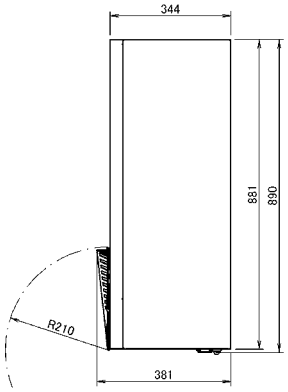
Required space for service and ventilation

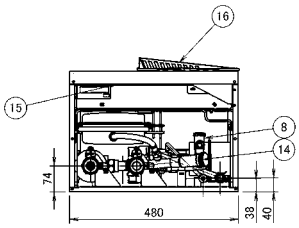








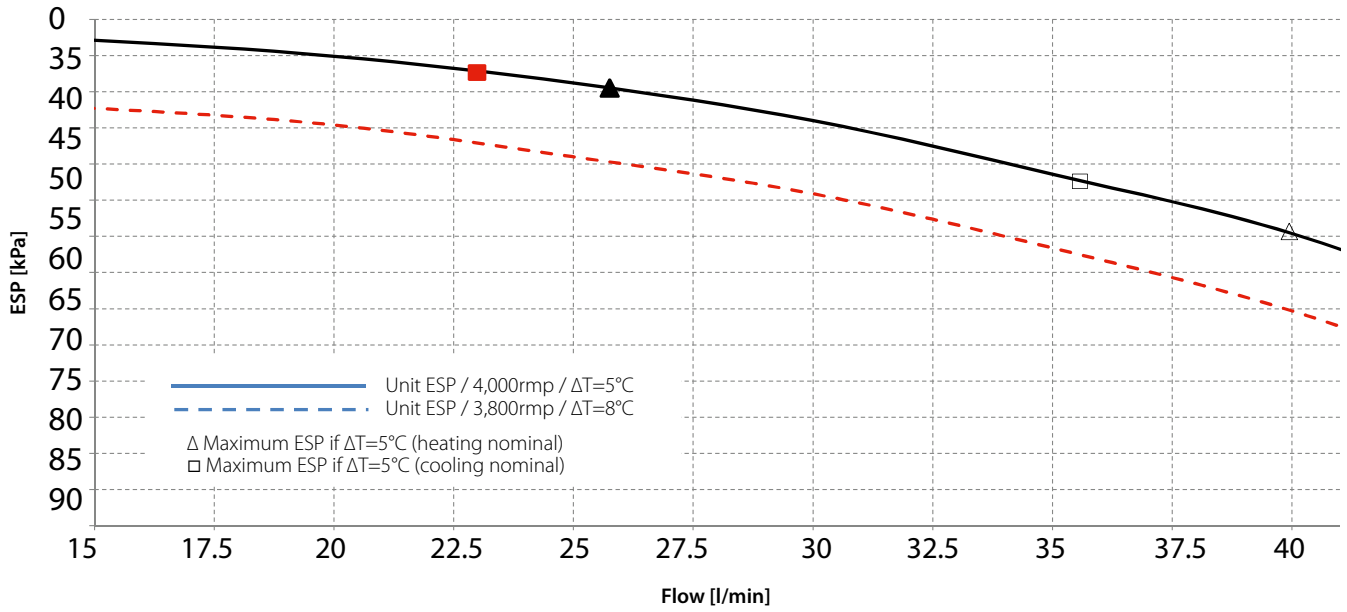




1	Hole (ø12) for fixation to the wall
2	Water out connection (1-1/4"F BSP)
3	Water in connection (1-1/4"F BSP)
4	Refrigerant liquid connection ø9.52 (flare)
5	Refrigerant suction connection ø15.9 (flare)
6	Pump
7	User interface
8	Safety valve (pressure)
9	Air purge
10	Expansion vessel
11	Pressure gauge
12	Heat exchanger (refrigerant / water)
13	Shut off valve with drain / fill valve (1-1/4" F BSP) (included accessory)
14	Water filter
15	Power supply / Communication wire entrance
16	Service door
17	Switchbox terminals

3D079938

HXY-A8



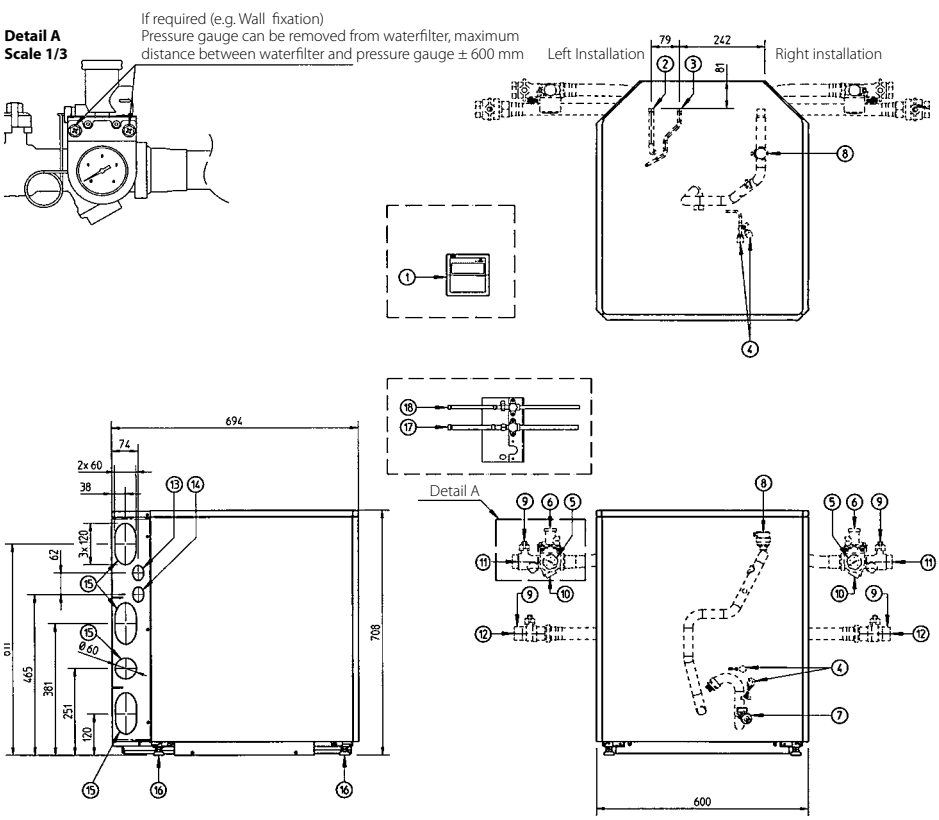
ESP: External Static Pressure
Flow: Water flow through the unit

NOTES

1. Selecting a flow outside the operating area can damage the unit or cause the unit to malfunction. See also the minimum and maximum allowed water flow range in the technical specications.
2. Water quality must be according to EU directive 98/83 EC.

3D097625

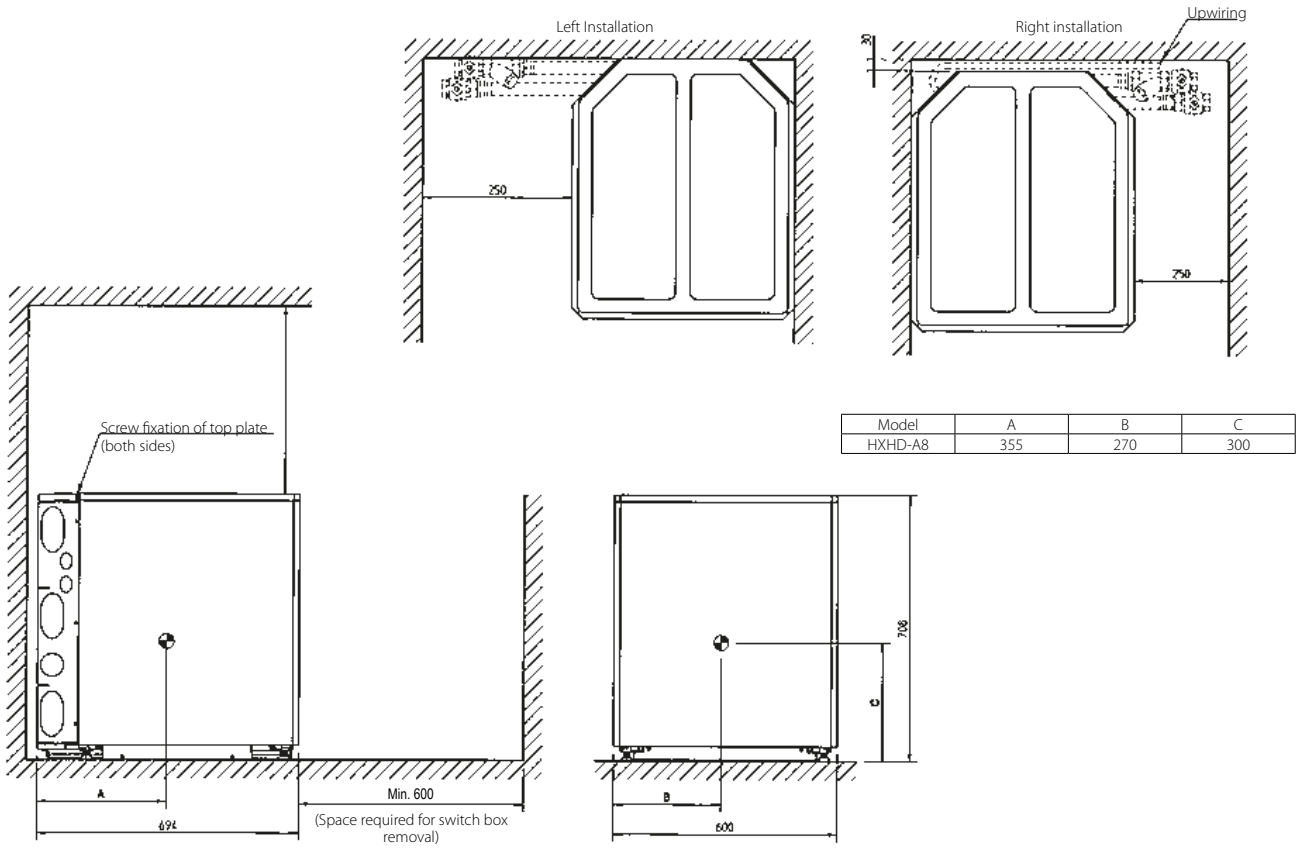
HXHD125A8



1	Remote control (delivered as accessory) Installation location is outside the unit
2	Discharge pipe connection ø12.7 solder (R410a)
3	Liquid pipe connection ø9.5 solder (R410a)
4	R134a Service ports 5/16" flare (2x)
5	Pressure gauge
6	Blow off valve
7	Drain valve water circuit
8	Air purge
9	Shut-off valves (2x)
10	Water filter
11	Water in connection G 1" (female)
12	Water out connection G 1" (female)
13	Control wiring intake (knock-out hole ø37)
14	Power supply wiring intake (knock-out hole ø37)
15	Knock-out holes for refrigerant piping and water piping
16	Levelling feet
17	Discharge stop valve ø12.7 solder (R410a)
18	Liquid stop valve ø9.5 solder (R410a)

3TW59914-1B(1)

HXHD125A8



Model	A	B	C
HXHD-A8	355	270	300

3TW59914-1B(2)

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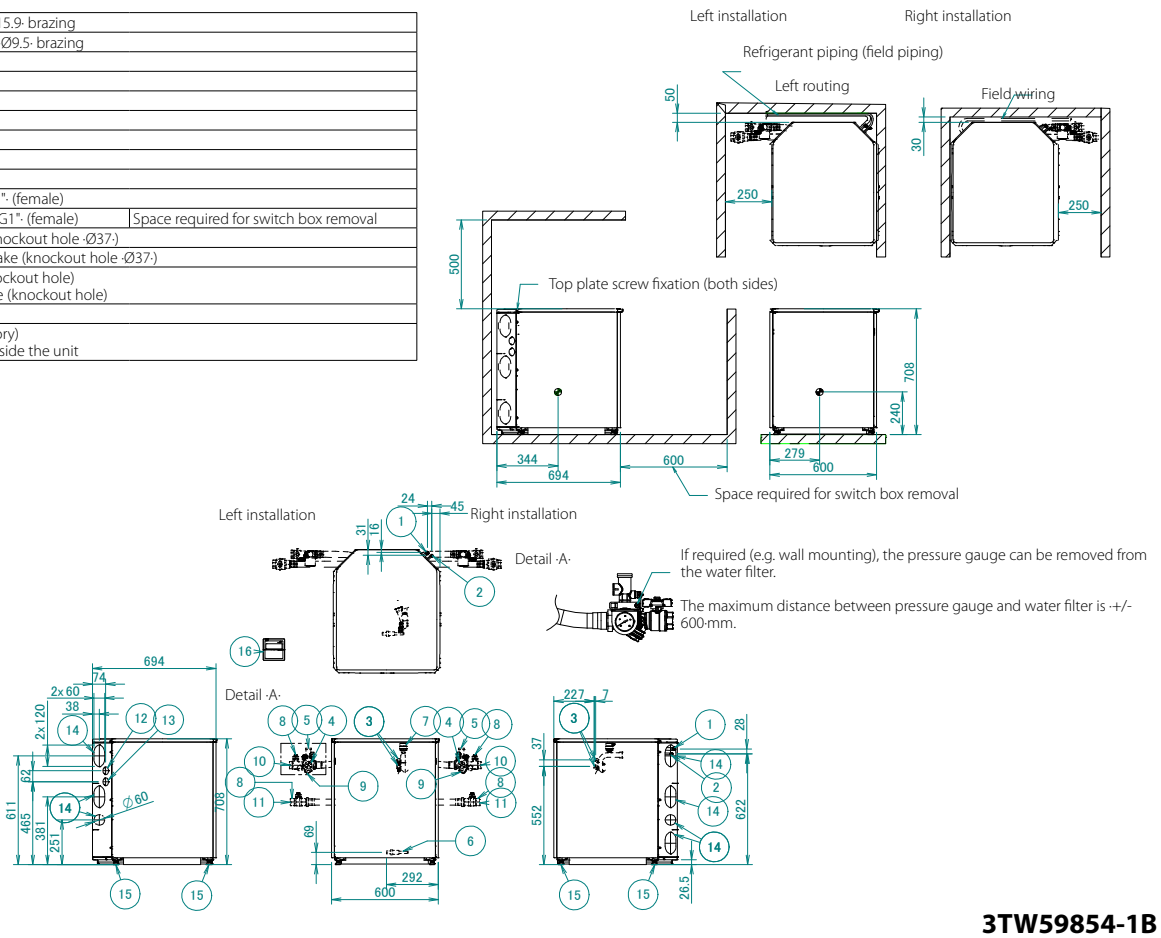
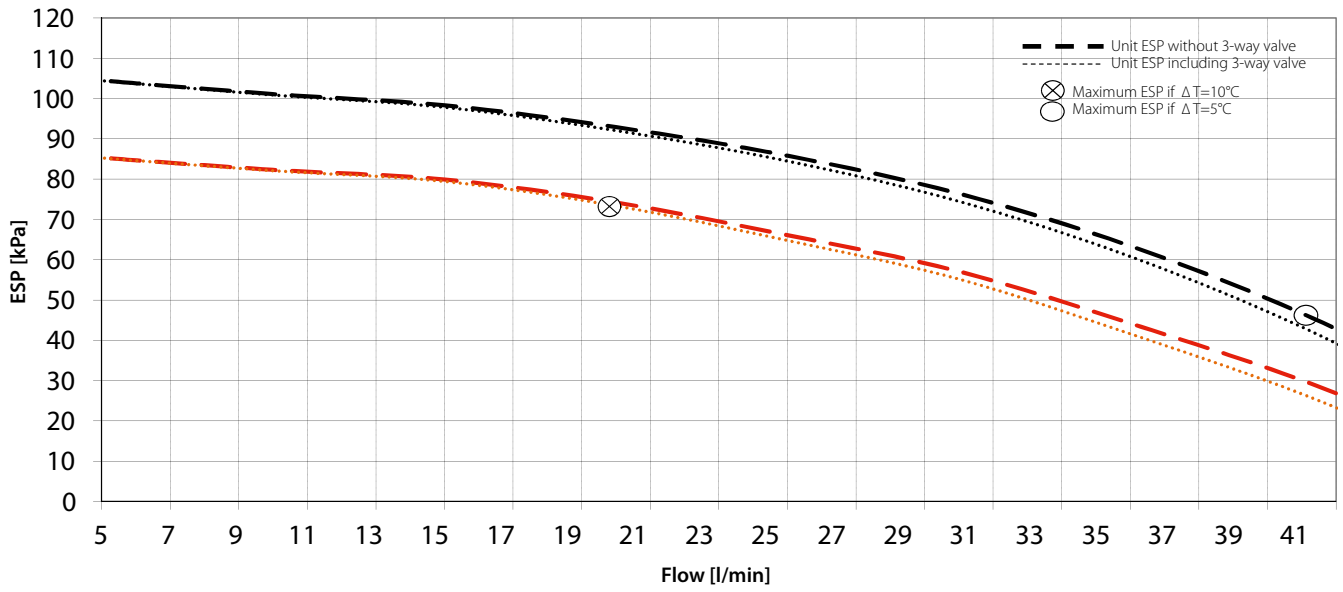
HXHD200A8

1	Gas pipe connection ·Ø15.9· brazing	
2	Liquid pipe connection ·Ø9.5· brazing	
3	Service port ·Ø12.7· flare	
4	Pressure gauge	
5	Safety blow-off valve	
6	Drain valve water circuit	
7	Air purge	
8	Shut-off valve	
9	Water filter	
10	Water IN connection ·G1"· (female)	
11	Water OUT connection ·G1"· (female)	Space required for switch box removal
12	Control wiring intake (knockout hole ·Ø37·)	
13	Power supply wiring intake (knockout hole ·Ø37·)	
14	Water piping intake (knockout hole) Refrigerant piping intake (knockout hole)	
15	Levelling feet	
16	Remote control (accessory) Installation location: outside the unit	



3TW59854-1B

HXHD125A8



NOTES

1. The ESP curves are the maximum ESP curves for different (T types (pump rpm=4,200 for (T=5°C; pump rpm=3,800 for (T=10°C).
2. The pump of the indoor unit is inverter-controlled and functions to have a fixed (T between the return water temperature and the leaving water temperature.
   In case of installing a domestic hot water tank, there is an additional pressure drop over the 3-way valve (delivered as an accessory with the tank).

   ESP: External Static Pressure
   Flow: water flow through the unit

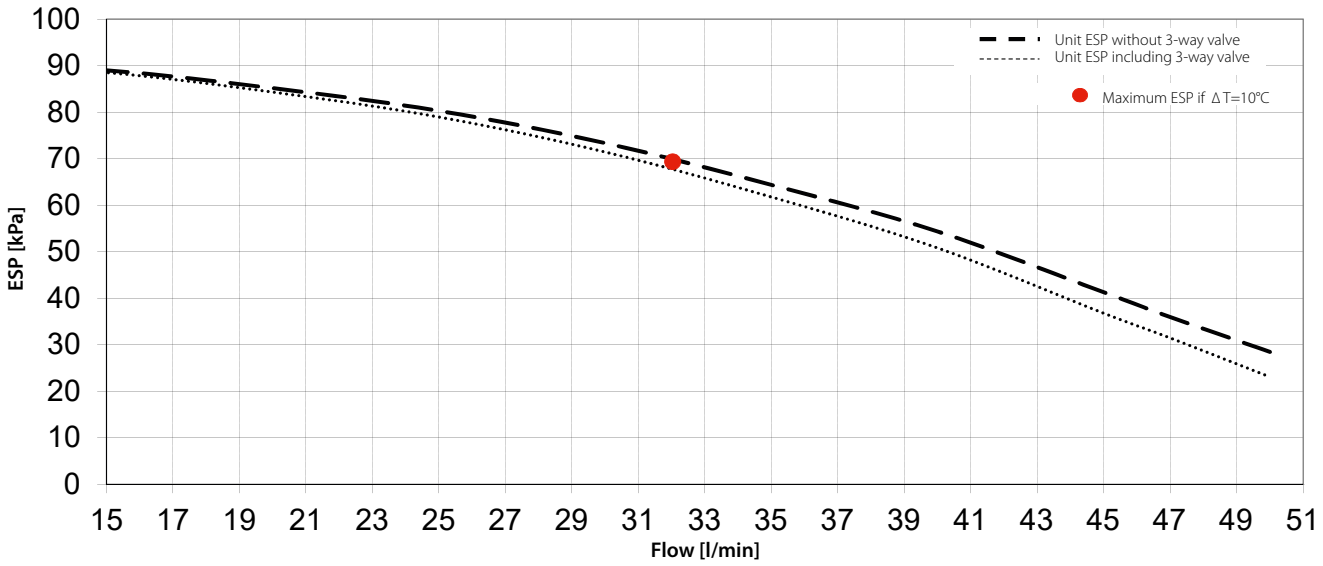
WARNING

1. Selecting a flow outside the operating area can damage the unit or cause the unit to malfunction.
   See also the minimum and maximum allowed water flow range in the technical specications.
2. Water quality must be according to EU directive 98/83 EC.

3D097621

HXHD200A8

HXHD200A* **Indoor unit ESP curve**



NOTES

1. The ESP curves are the maximum ESP curves, with and without domestic hot water tank installed on top of the indoor unit (pump rpm: 4,000).
   The pump of the indoor unit is inverter-controlled and functions to have a fixed ΔT between the return water temperature and the leaving water temperature.
2. In case of installing a domestic hot water tank, there is an additional pressure drop over the 3-way valve (delivered as an accessory with the tank).

   ESP: External Static Pressure
   Flow: water flow through the unit

WARNING

1. Selecting a flow outside the operating area can damage the unit or cause the unit to malfunction.
   See also the minimum and maximum allowed water flow range in the technical specications.
2. Water quality must be according to EU directive 98/83 EC.

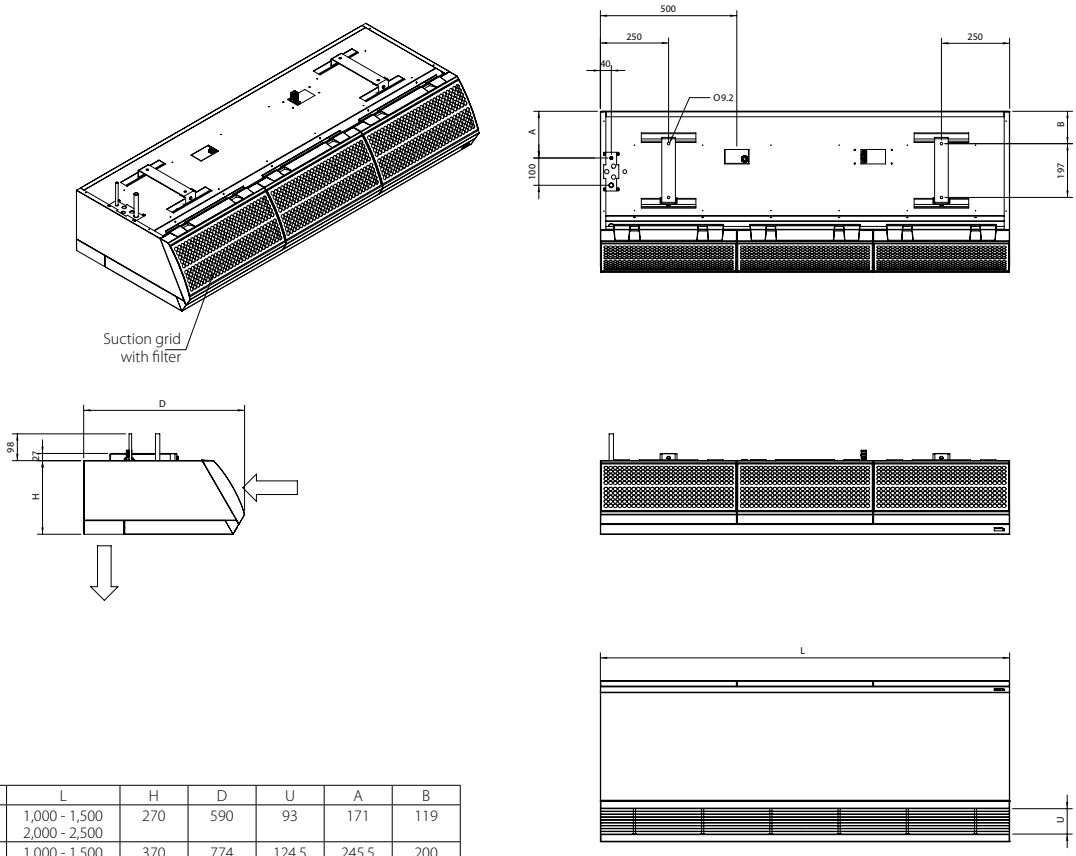
3D113718

Technical drawings

Biddle air curtains

CYVS_DK / CYVM_DK / CYVL_DK 333

CYVS_DK_FBN/FSN / CYVM_DK_FBN/FSN / CYVL_DK_FBN/FSN



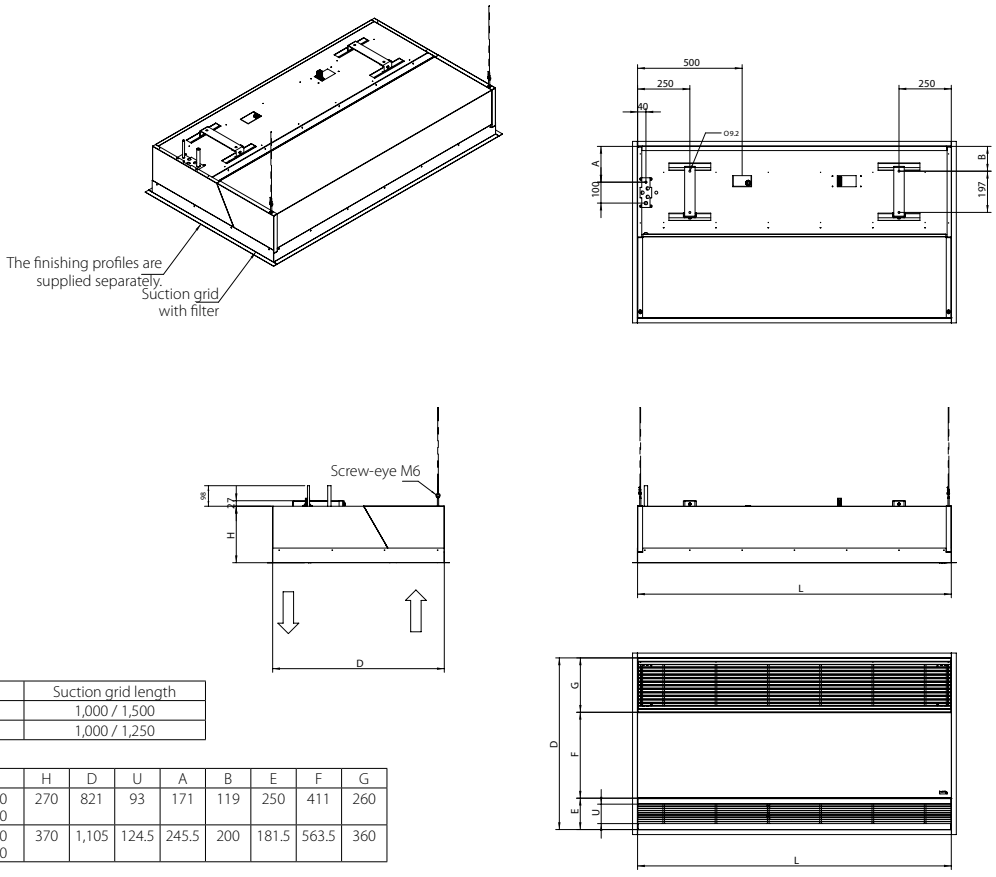
Type	L	H	D	U	A	B
CYVS-DK-FBN/FSN CYVM-DK-FBN/FSN	1,000 - 1,500 2,000 - 2,500	270	590	93	171	119
CYVL-DK-FBN/FSN	1,000 - 1,500 2,000 - 2,500	370	774	124.5	245.5	200

NOTES

1. The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.

CU0954X-000

CYVS_DK_CBN/CSN / CYVM_DK_CBN/CSN / CYVL_DK_CBN/CSN



Number of suction grids per device

Device length	Number	Suction grid length
1,000 / 1,500	1	1,000 / 1,500
2,000 / 2,500	2	1,000 / 1,250

*1 drain grid per device

Type	L	H	D	U	A	B	E	F	G
CYVS-DK-CBN/CSN CYVM-DK-CBN/CSN	1,000 - 1,500 2,000 - 2,500	270	821	93	171	119	250	411	260
CYVL-DK-CBN/CSN	1,000 - 1,500 2,000 - 2,500	370	1,105	124.5	245.5	200	181.5	563.5	360

NOTES

1. The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.
2. The mounting holes for finishing profiles in a lowered ceiling (L+8) x (D+8) mm

CU0955X-000

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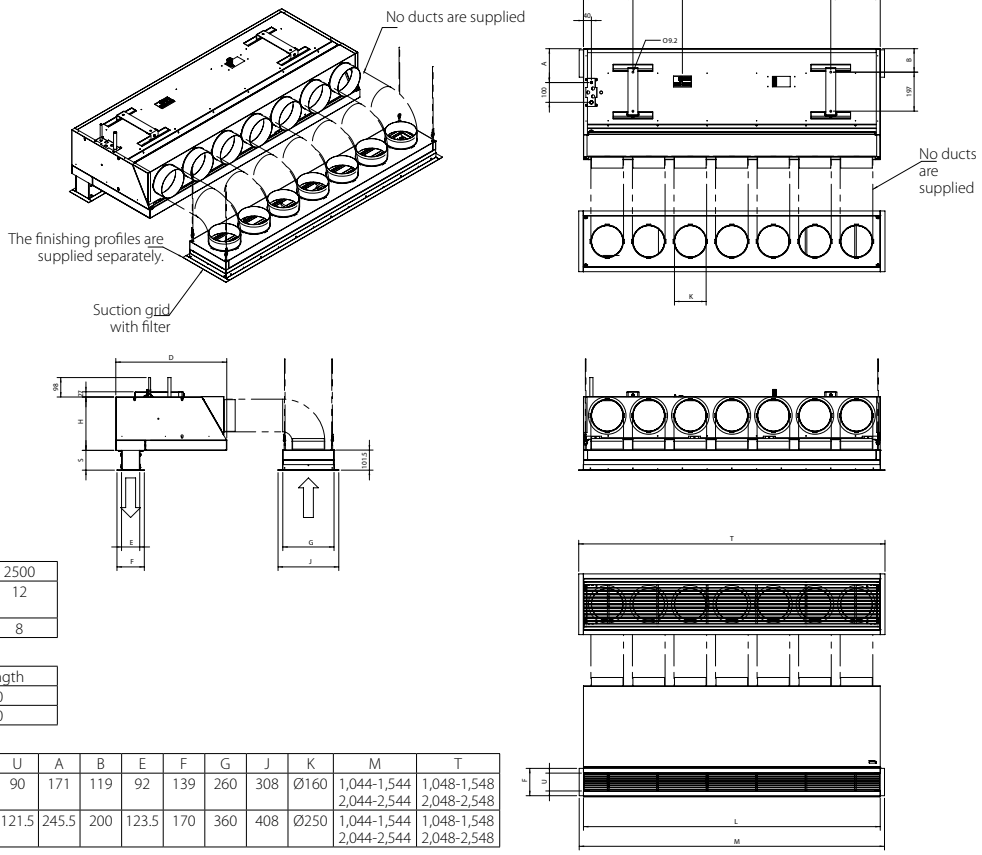
CYVS_DK_RBN/RSN / CYVM_DK_RBN/RSN / CYVL_DK_RBN/RSN



Number of ducts per device

Type	1000	1500	2000	2500
CYVS-DK-RBN/RSN CYVM-DK-RBN/RSN	5	7	10	12
CYVL-DK-RBN/RSN	3	5	6	8

Number of suction grids per device

Device length	Number	Suction grid length
1,000 / 1,500	1	1,000 / 1,500
2,000 / 2,500	2	1,000 / 1,250

*1 drain grid per device

Type	L	H	D	S	U	A	B	E	F	G	J	K	M	T
CYVS-DK-RBN/RSN CYVM-DK-RBN/RSN	1,000 - 1,500 2,000 - 2,500	270	561	80-125	90	171	119	92	139	260	308	Ø160	1,044-1,544 2,044-2,544	1,048-1,548 2,048-2,548
CYVL-DK-RBN/RSN	1,000 - 1,500 2,000 - 2,500	370	745	80-125	121.5	245.5	200	123.5	170	360	408	Ø250	1,044-1,544 2,044-2,544	1,048-1,548 2,048-2,548

NOTES

1. The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.
2. Holes (for finishing profiles) - drain (L+8) x (E+8) mm - suction (L+8) x (G+8) mm.

CU0956X-000

Technical drawings
Ventilation

ALB-LBS/RBS	336
VAM-FC / VAM-J	342
EKVDX-A	350
VKM-GBM	355

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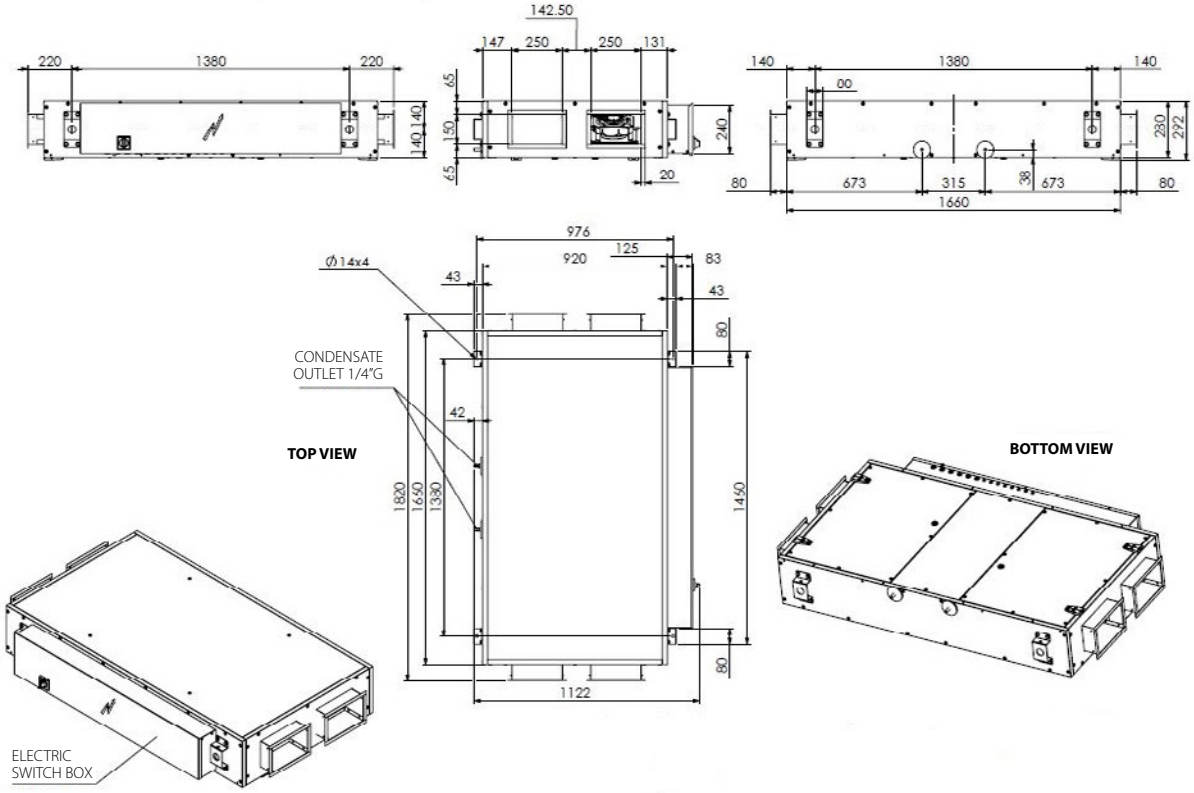
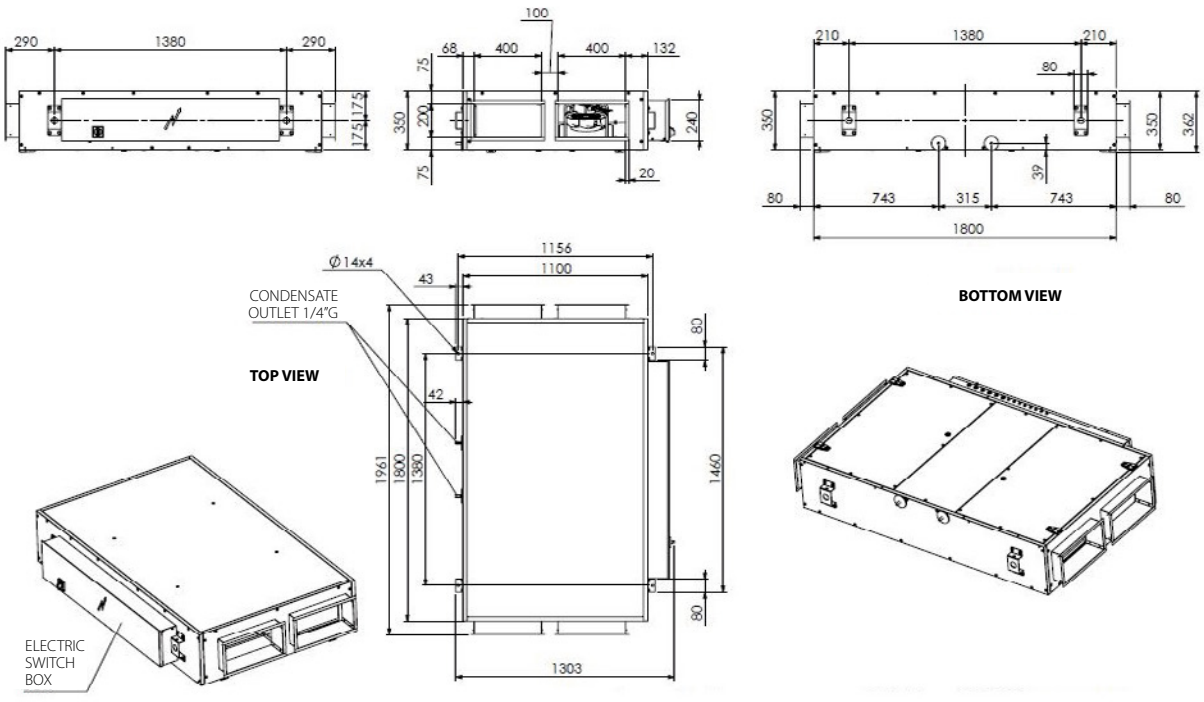
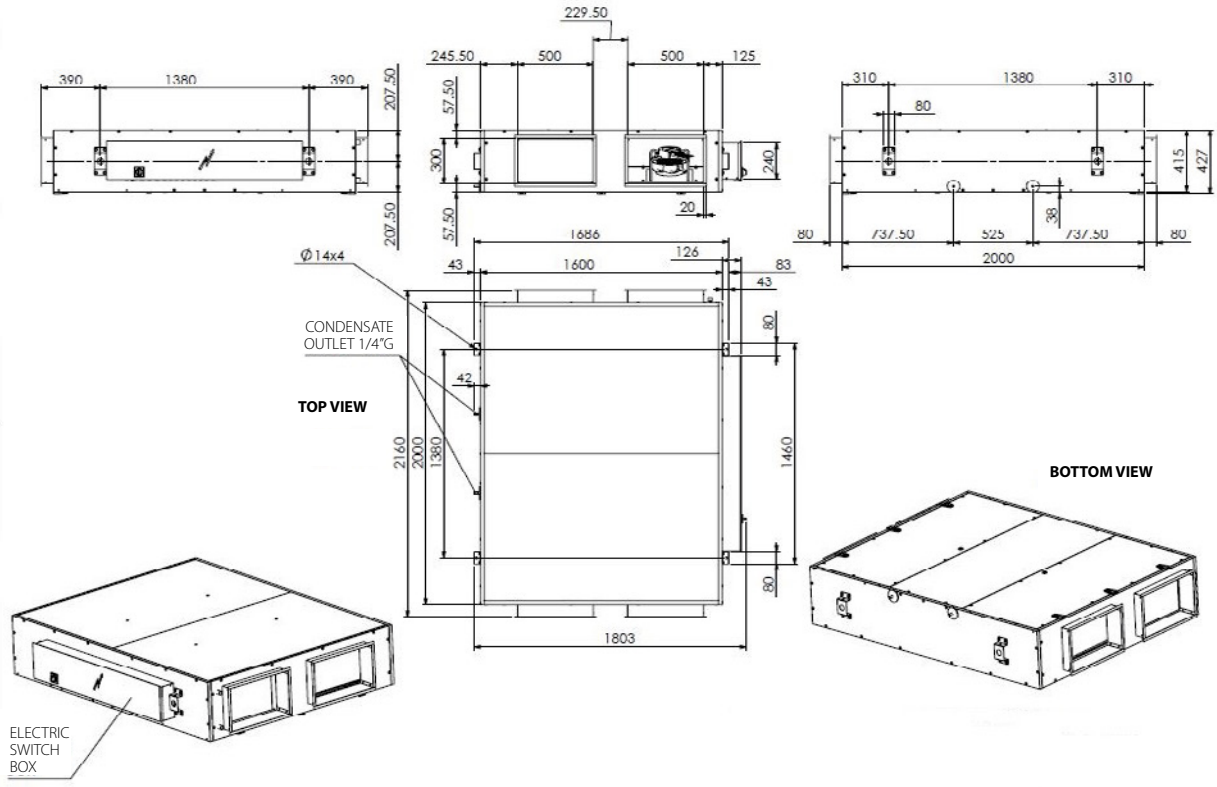
ALB02RBS/LBS



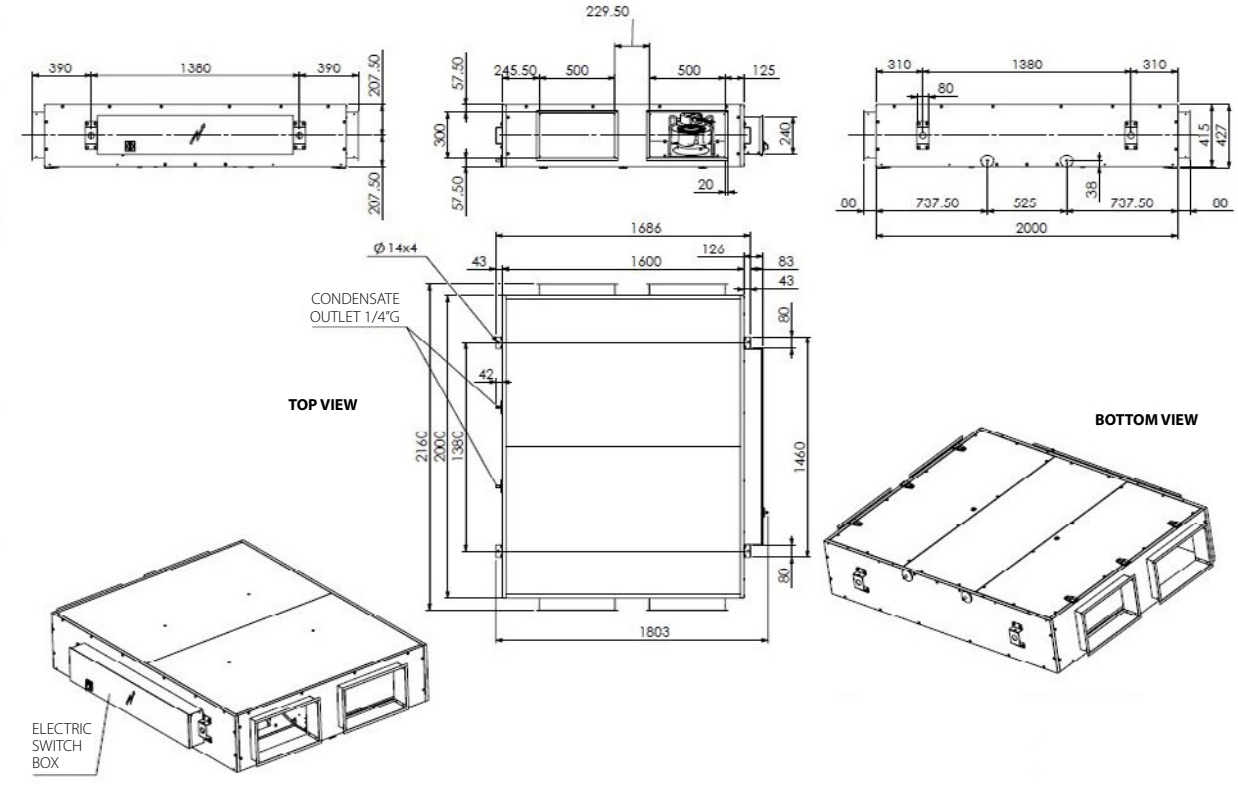
ALB03RBS/LBS



ALB04RBS/LBS



ALB05RBS/LBS



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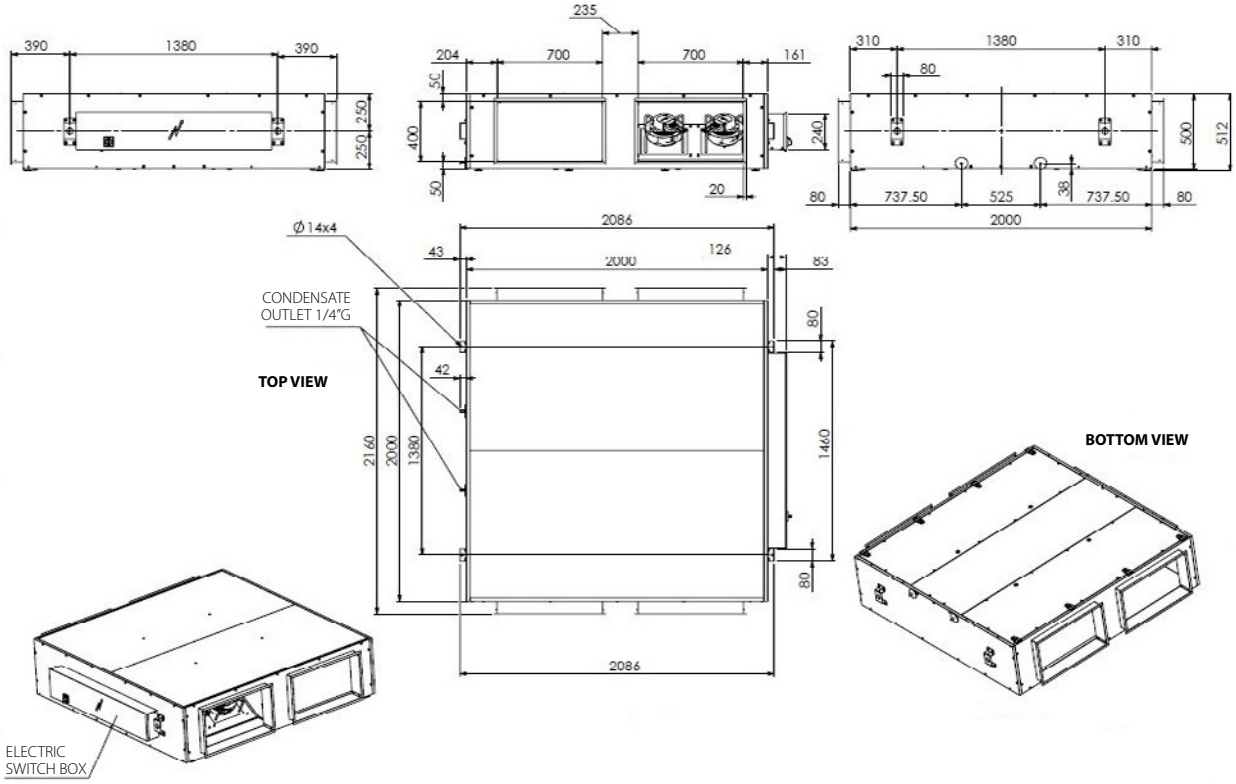
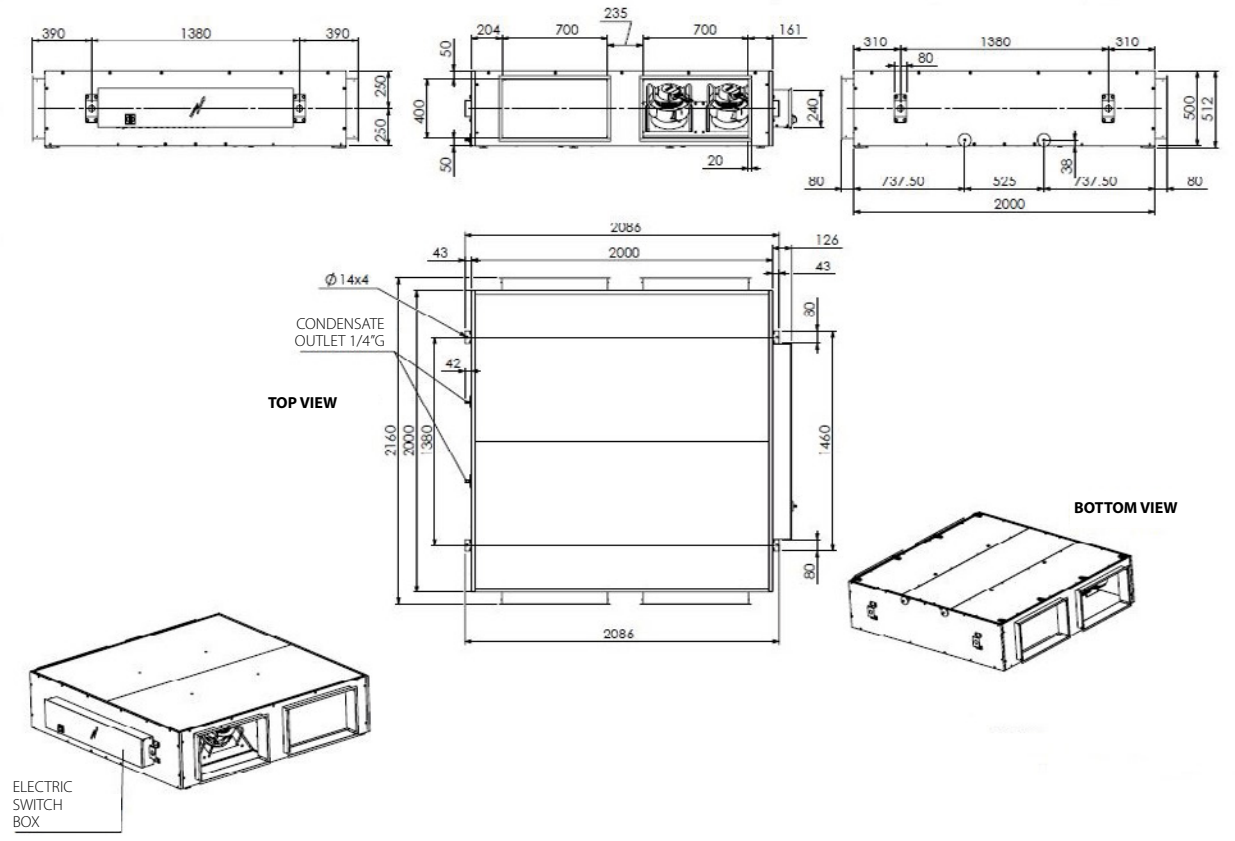
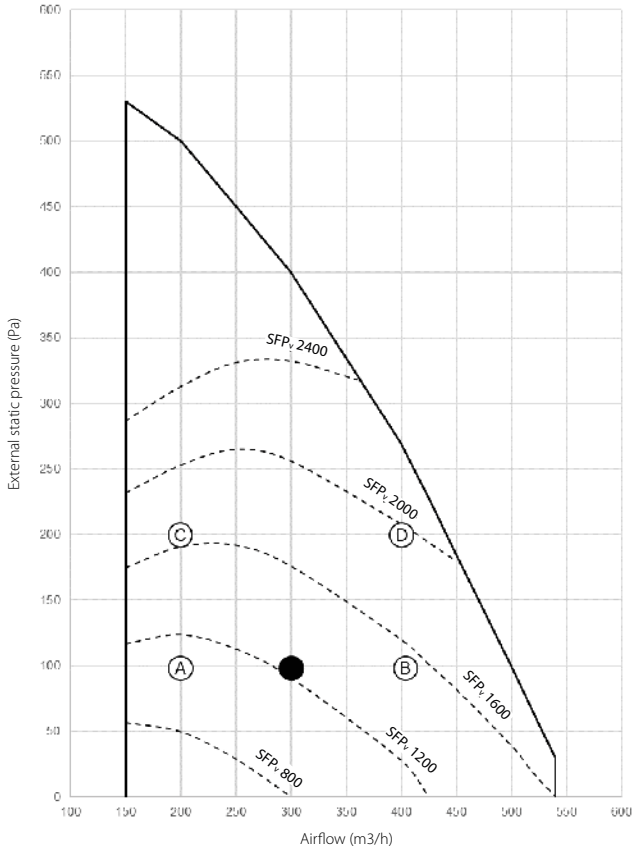
ALB06RBS/LBS



ALB07RBS/LBS



ALB02RBS/LBS



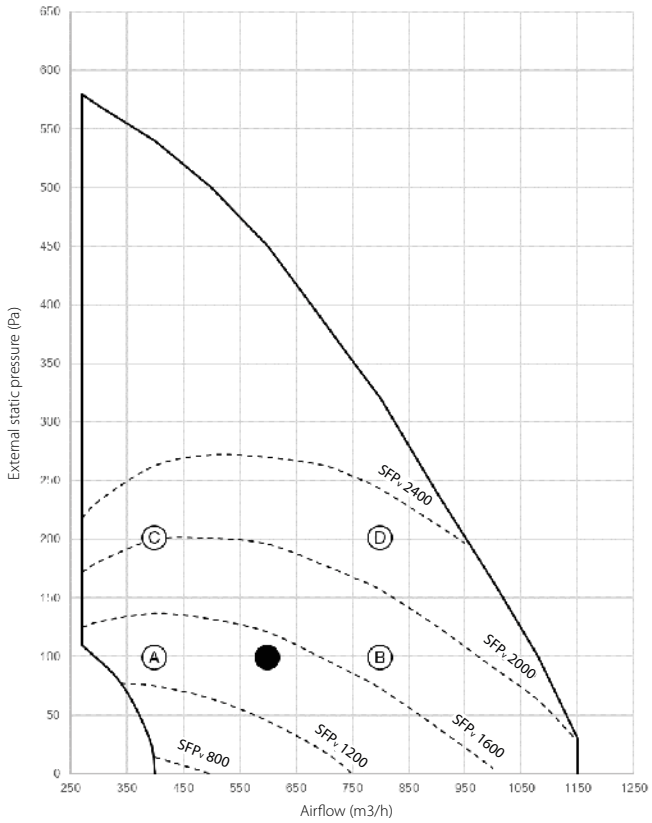
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB03RBS/LBS



The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

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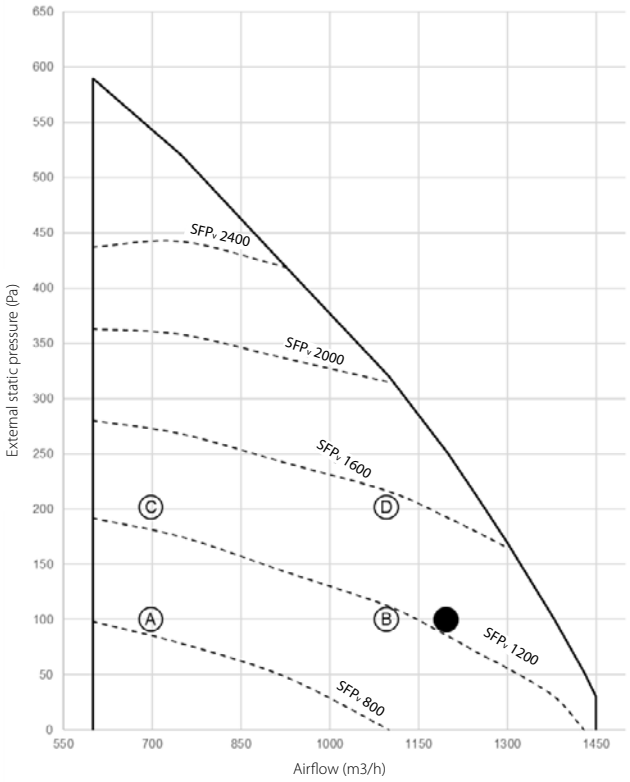
ALB04RBS/LBS



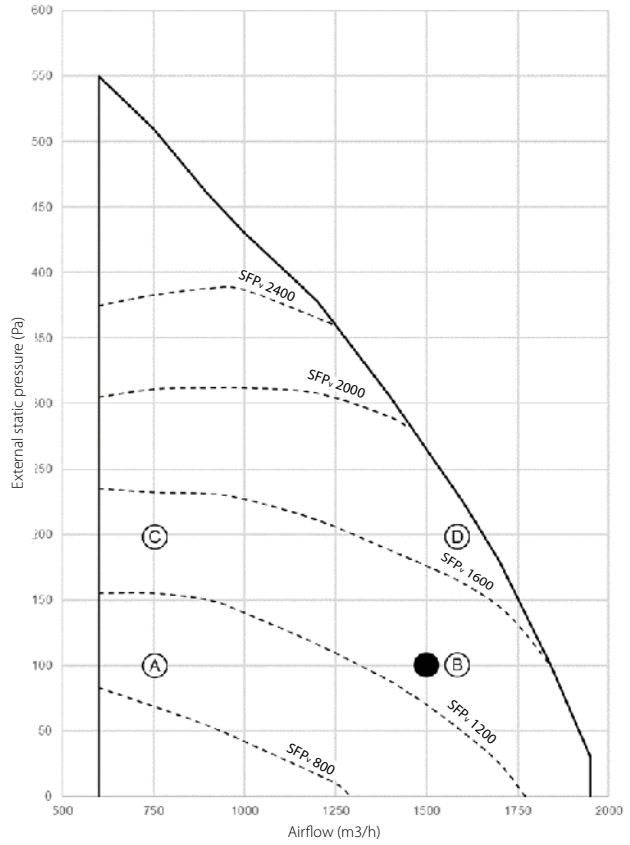
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB05RBS/LBS



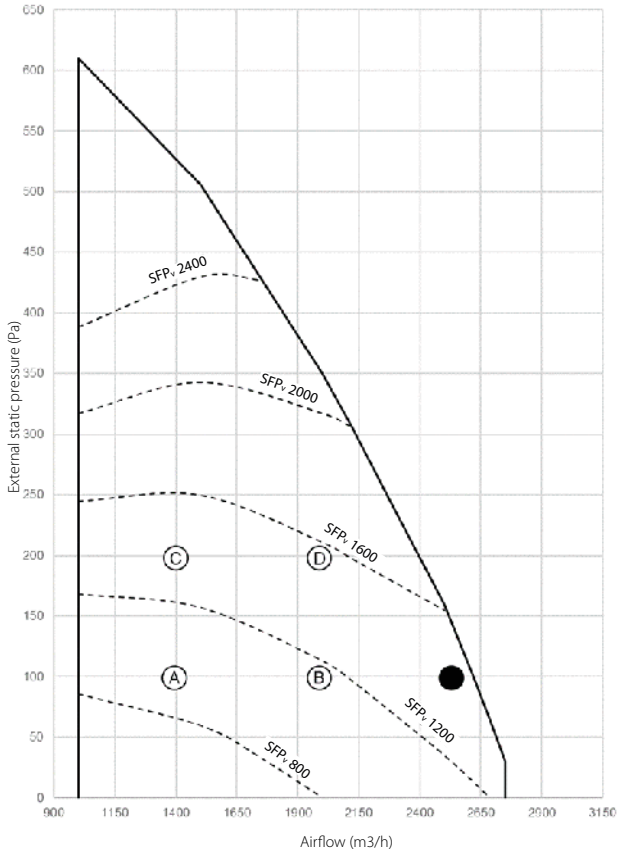
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB06RBS/LBS



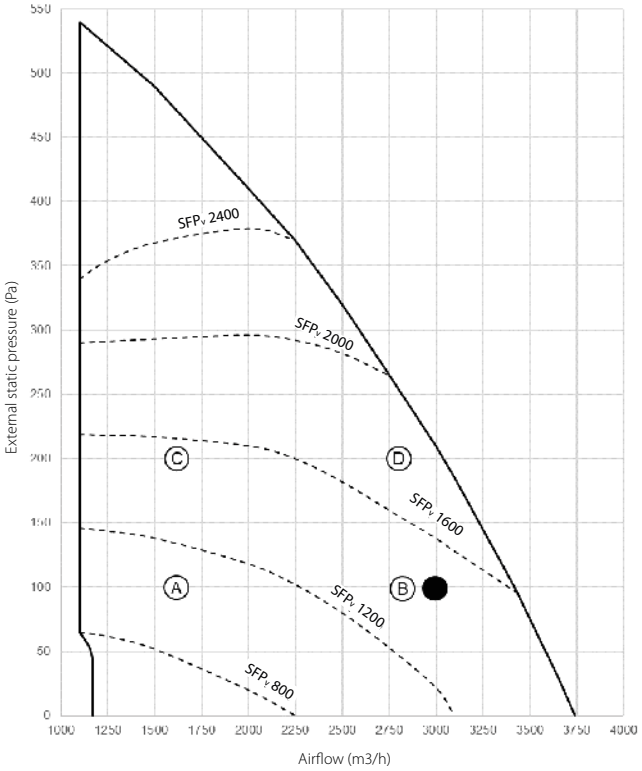
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB07RBS/LBS



The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

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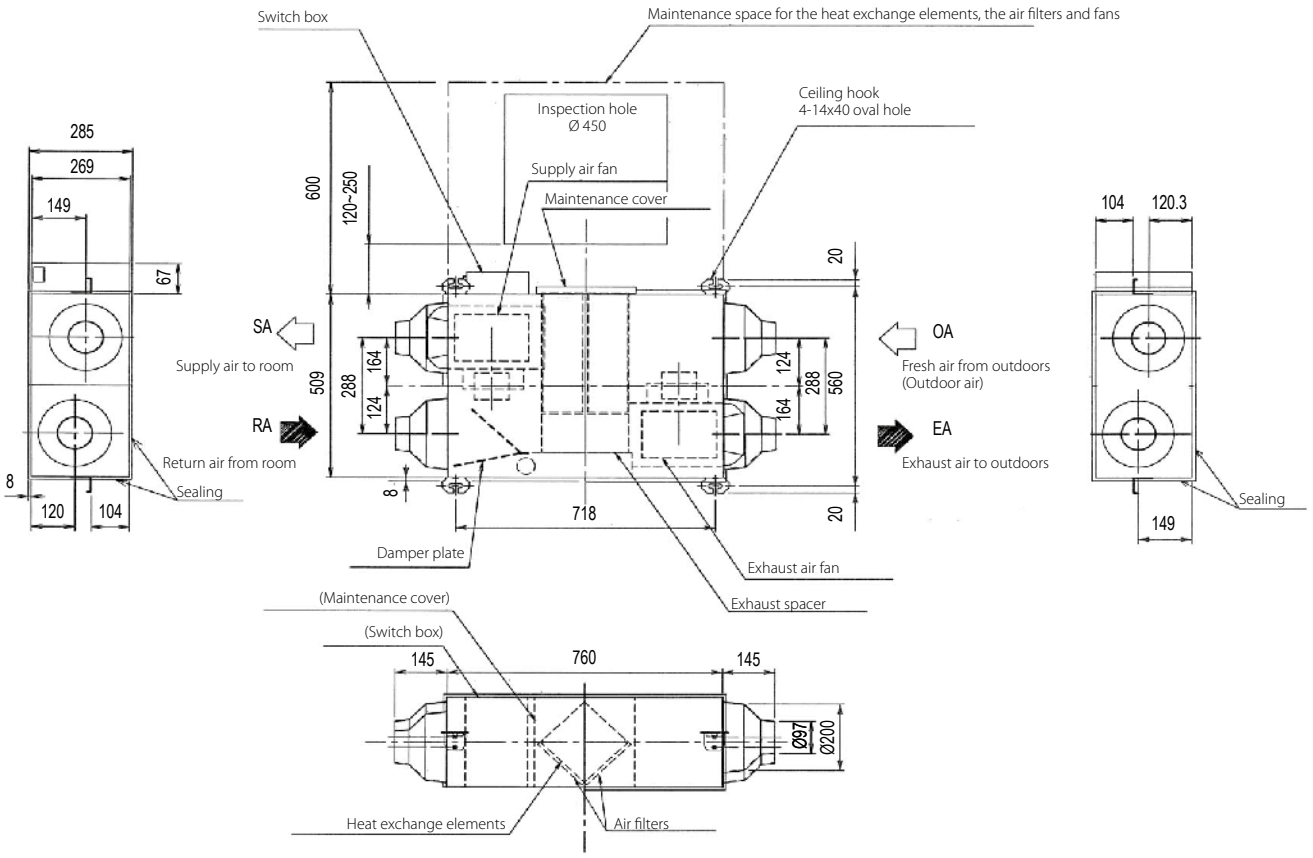
VAM150FC9

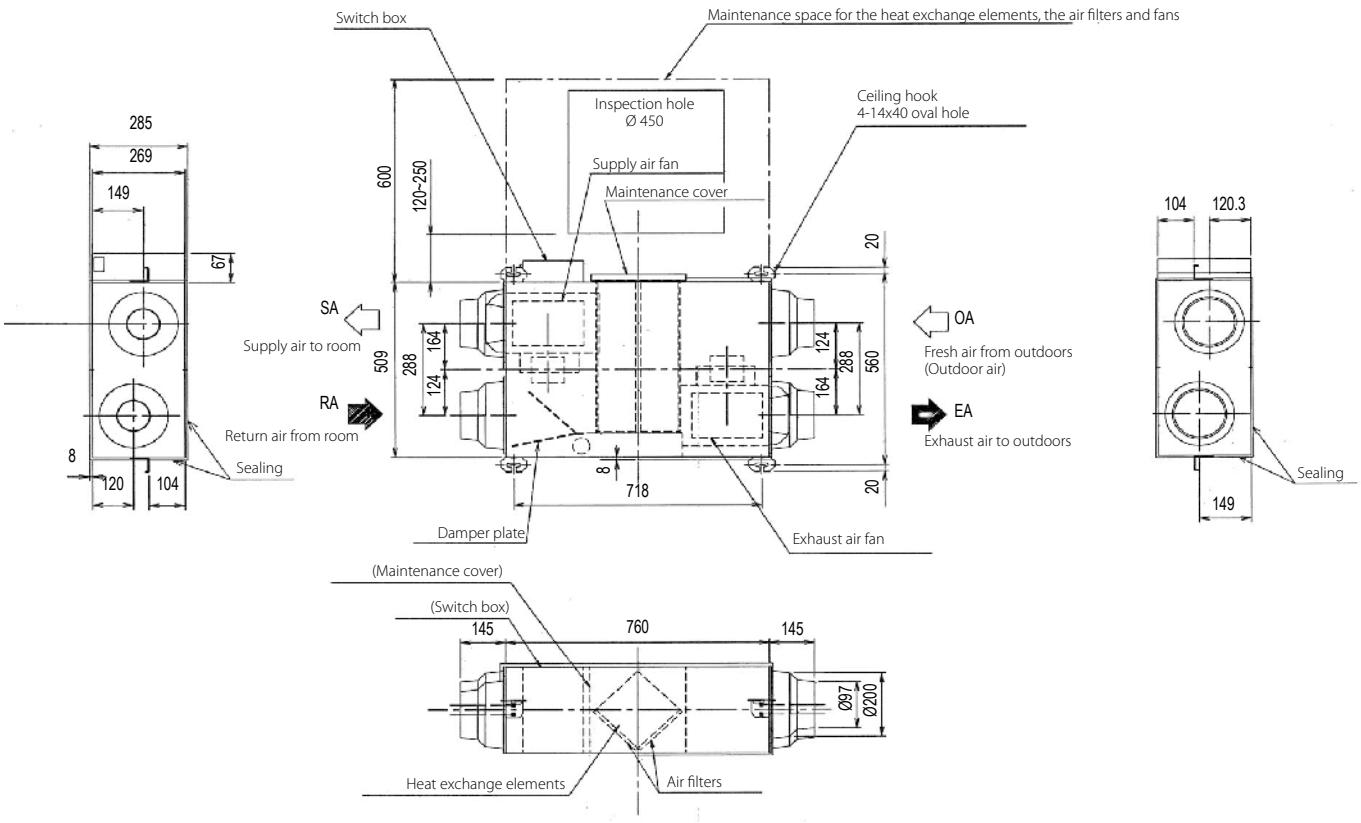


NOTES

1. Be sure to provide the inspection hole (450x450 mm) to inspect the air filters, the exchange elements and fans.

3TW27874-1

VAM250FC9

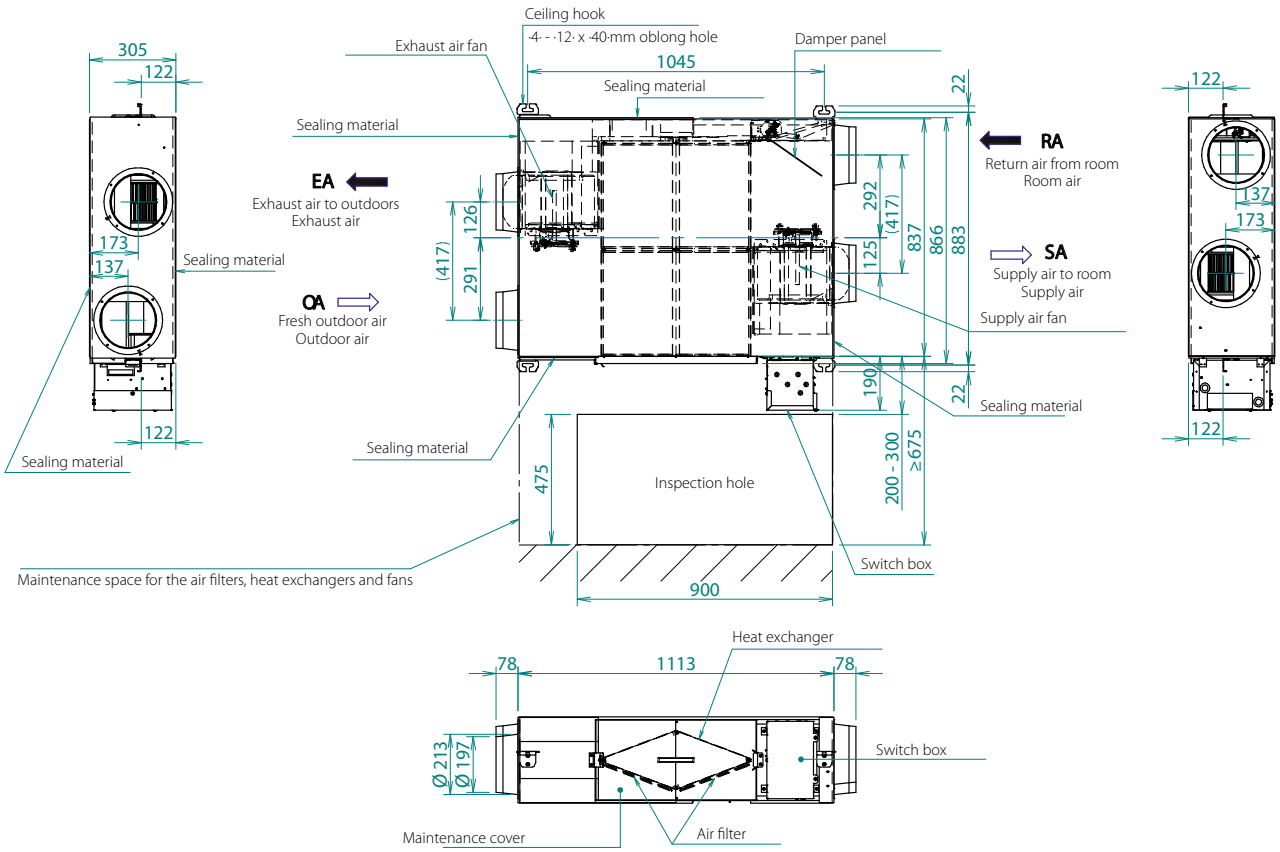


NOTES

1. Be sure to provide the inspection hole (450x450 mm) to inspect the air filters, the exchange elements and fans.

3TW27884-1

VAM350-500J

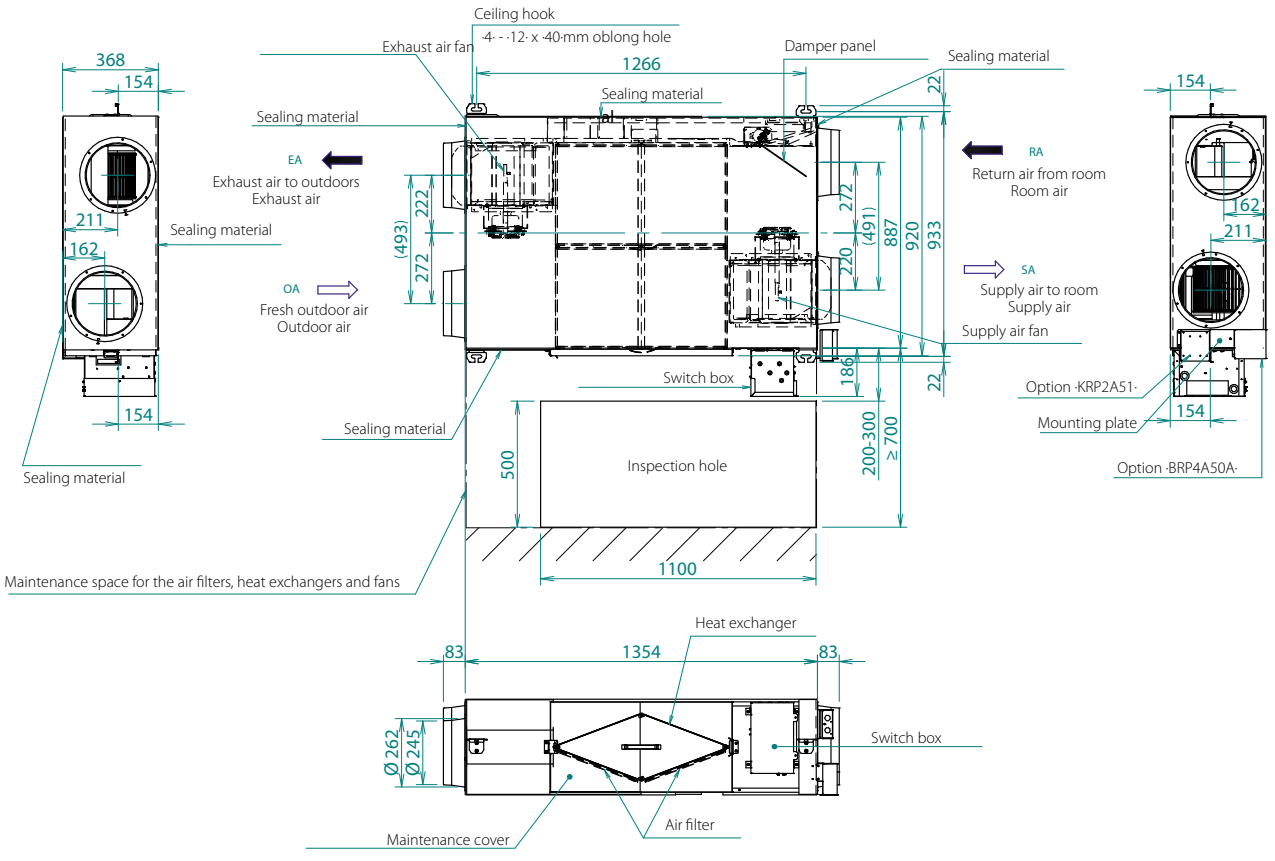


NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D112815C

VAM650J



NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D113502A

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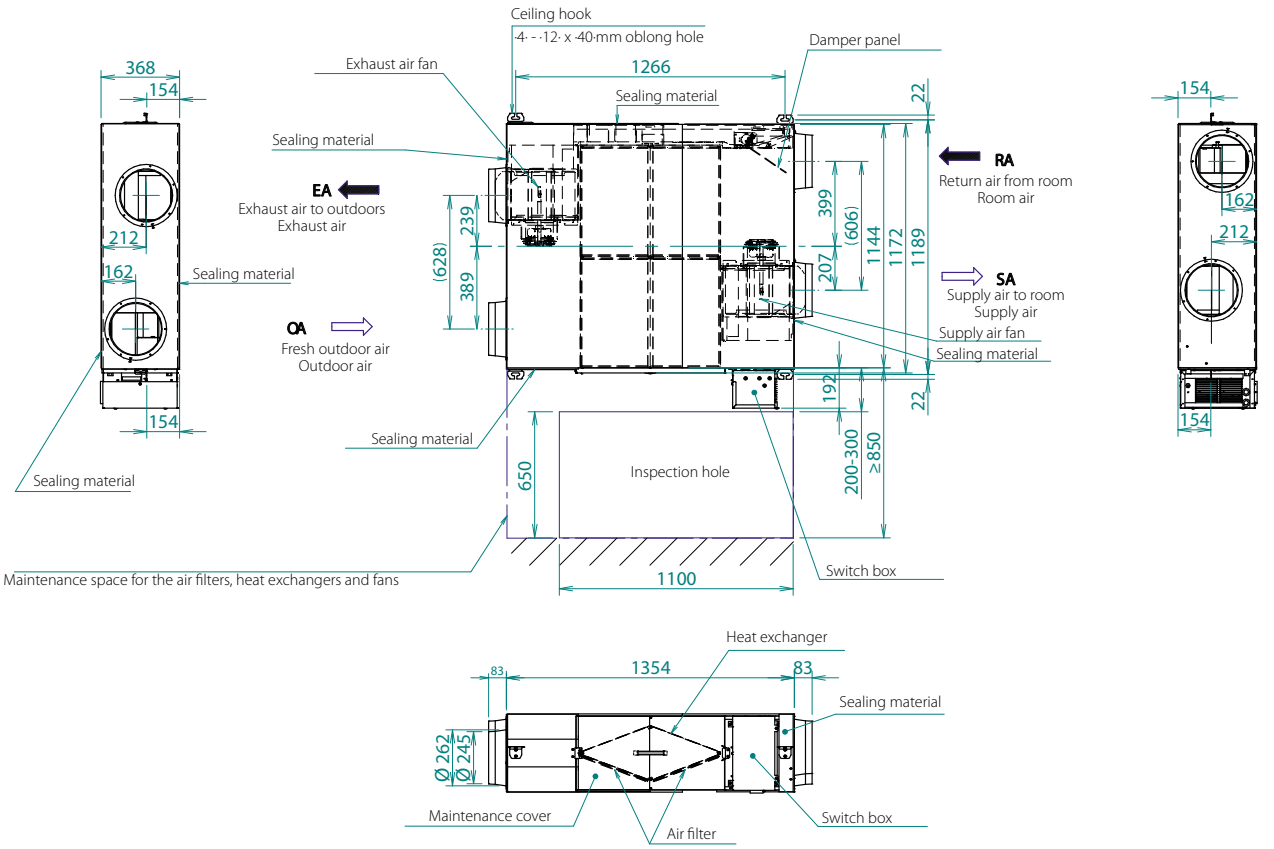
VAM800-1000J

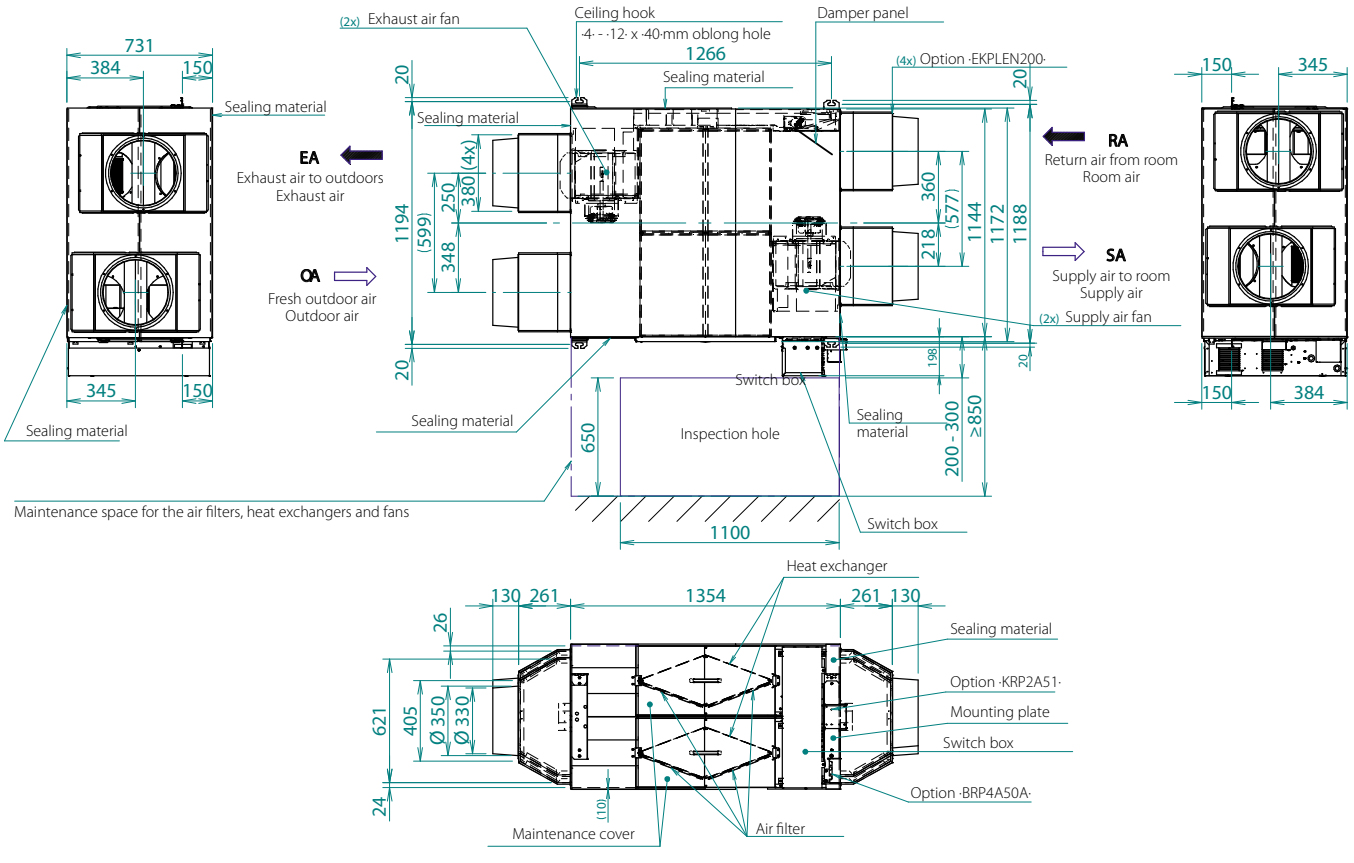


NOTES

1. To perform maintenance on the air filter, it is required to provide a service access panel.

3D112817D

VAM1500-2000J

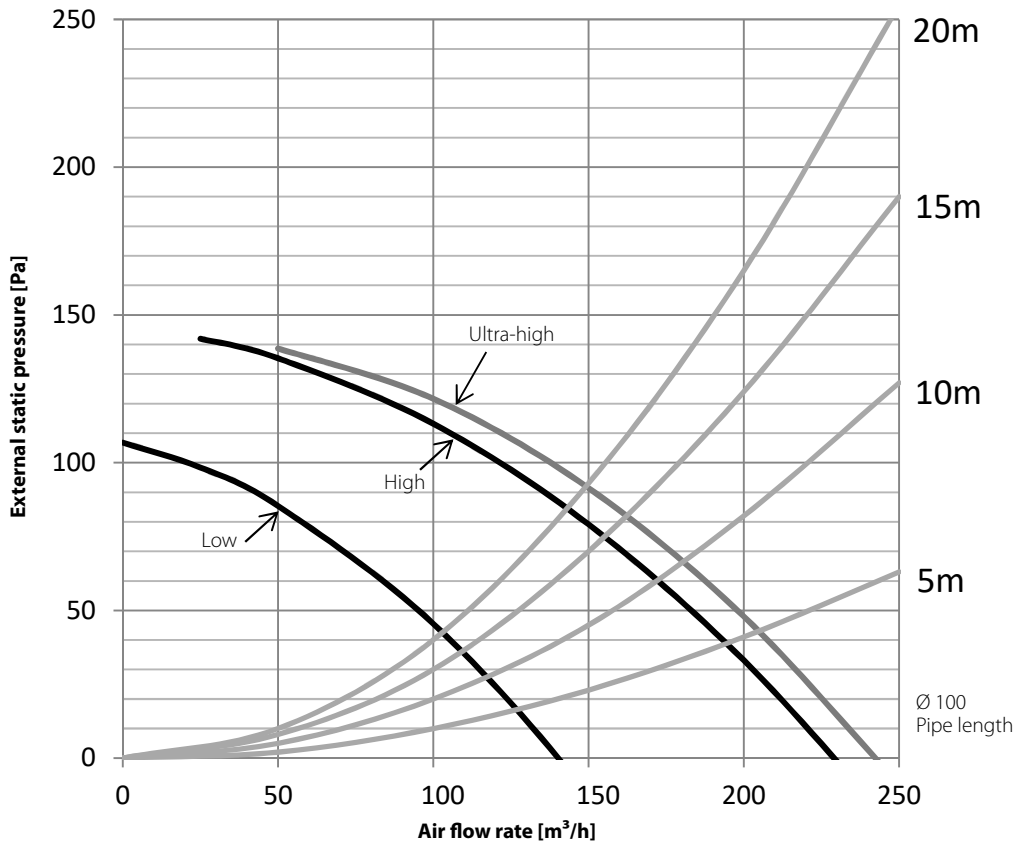


NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D112818C

VAM150FC9

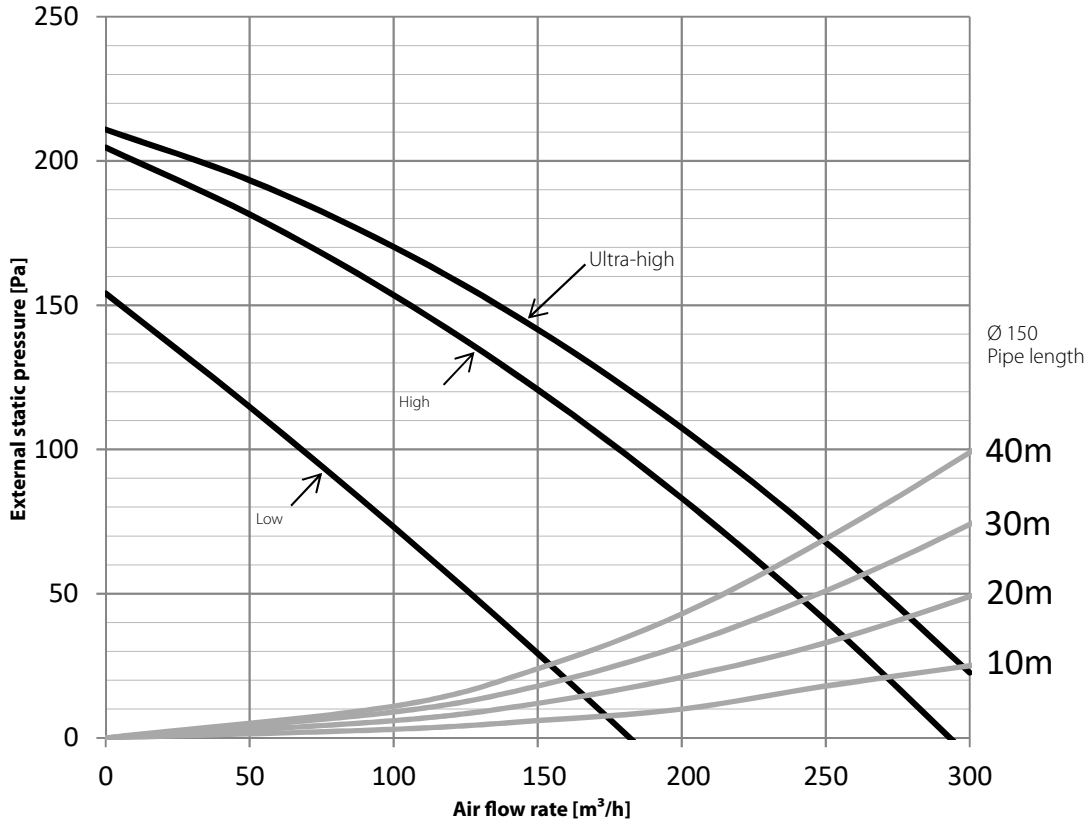


NOTES

1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

4D100379A

VAM250FC



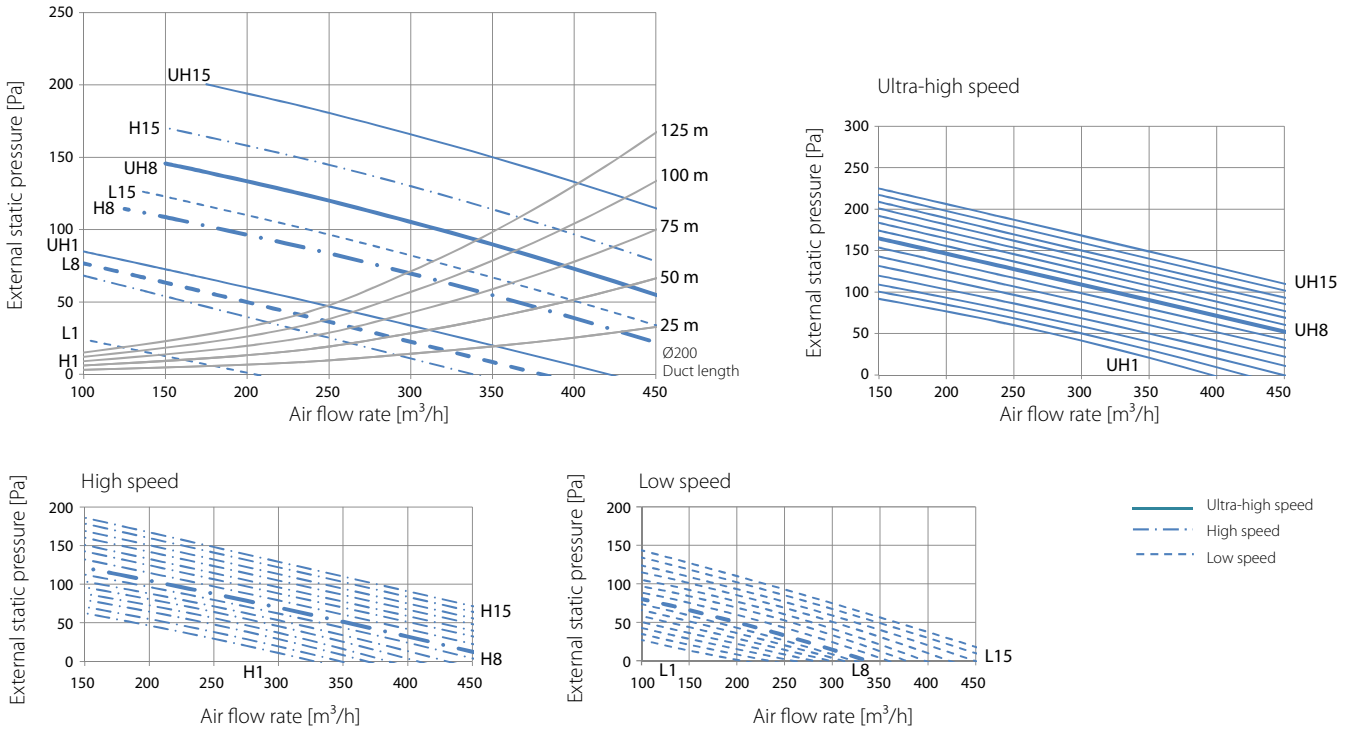
NOTES

1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

4D100380A

CLICK HERE TO VIEW ALL VAM-J TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VAM350J



NOTES

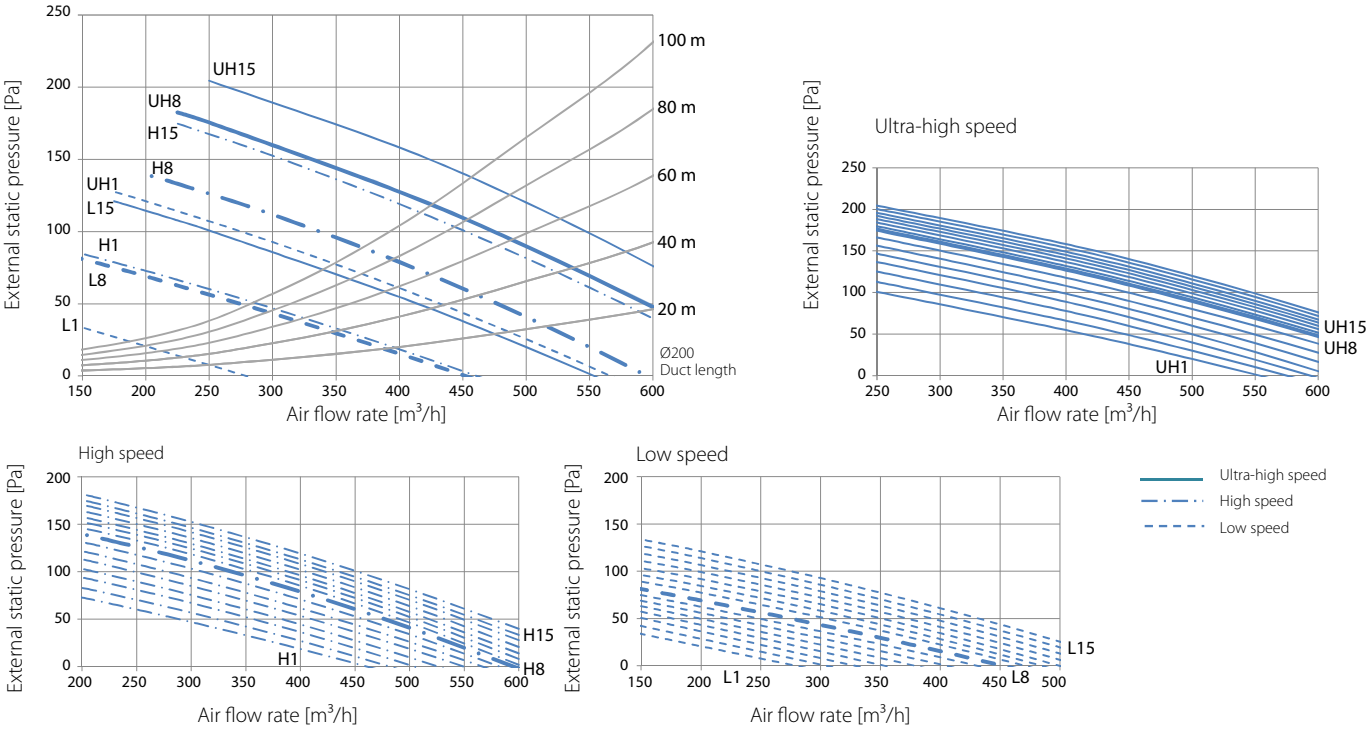
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

LEGEND

L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

3D113493B

VAM500J



NOTES

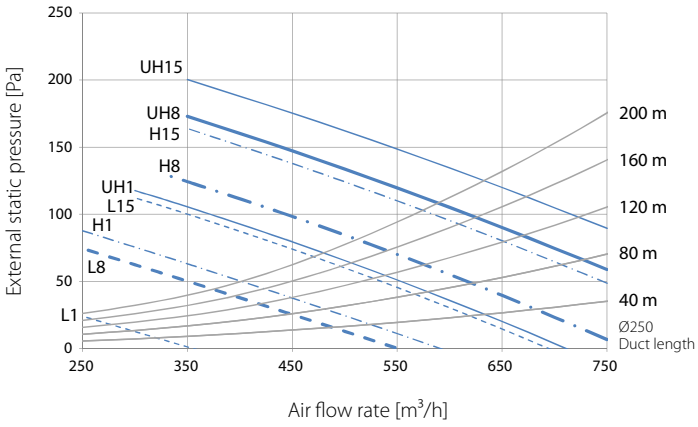
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

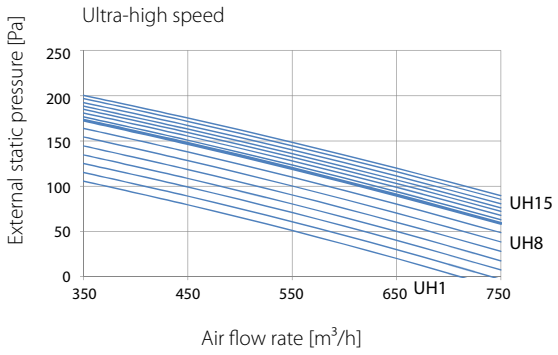
LEGEND

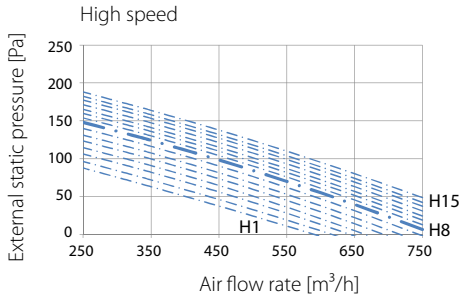
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

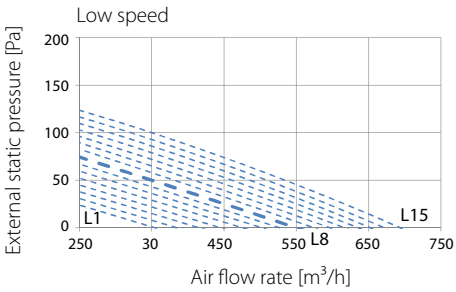
3D113494B

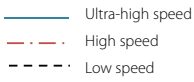
VAM650J











NOTES

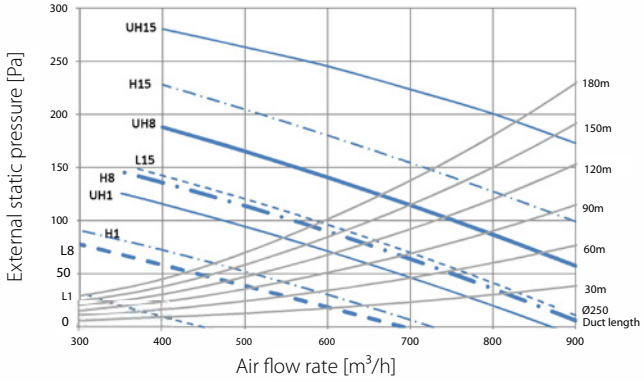
1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

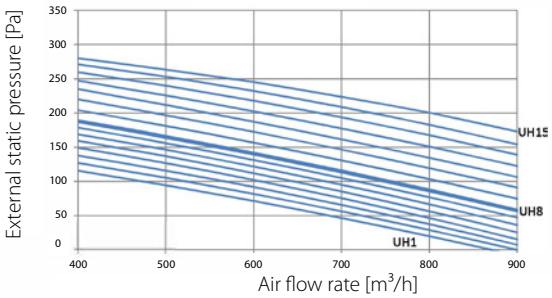
LEGEND

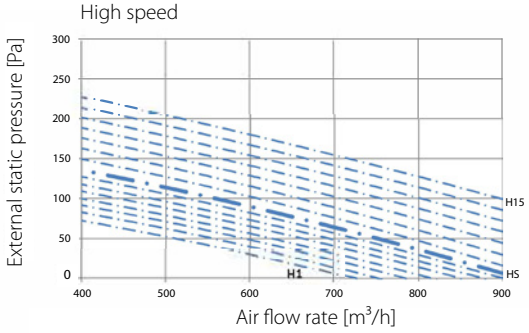
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

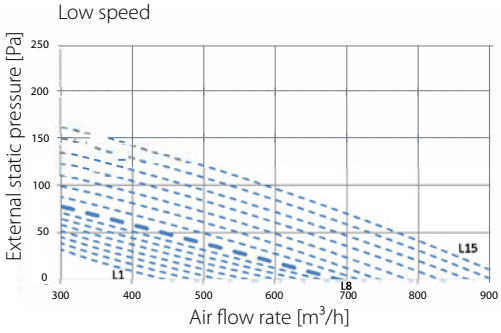
3D113495B

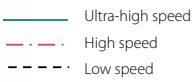
VAM800J











NOTES

1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

LEGEND

L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

3D112837A

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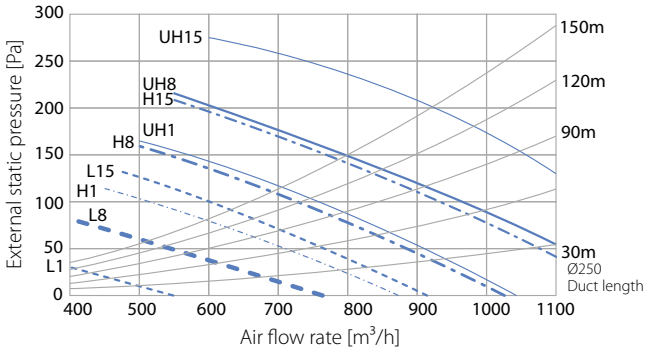
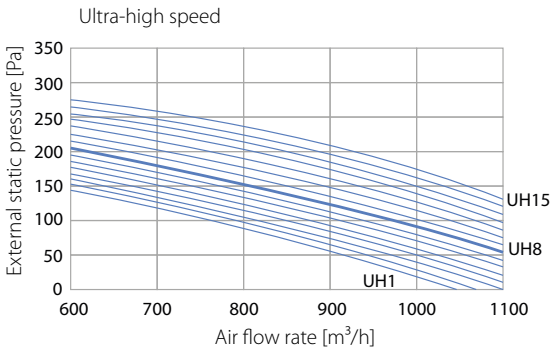
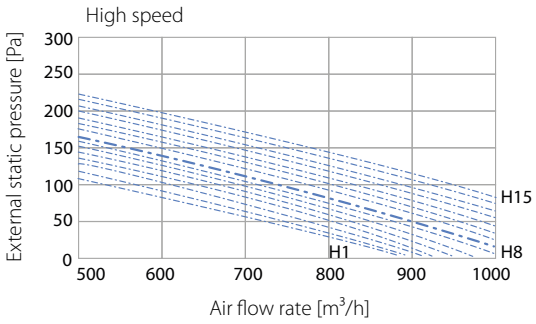
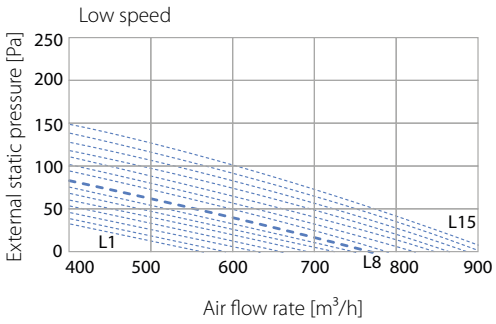
VAM1000J









Ultra-high speed
High speed
Low speed

NOTES

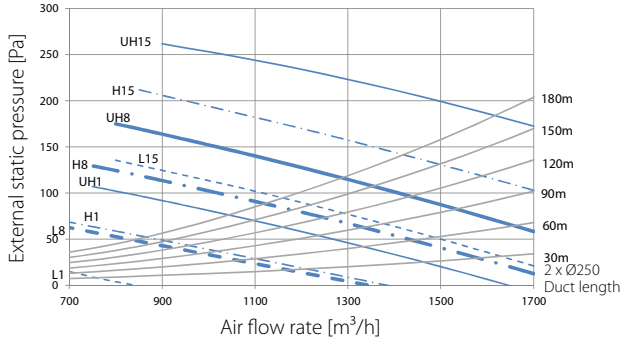
1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

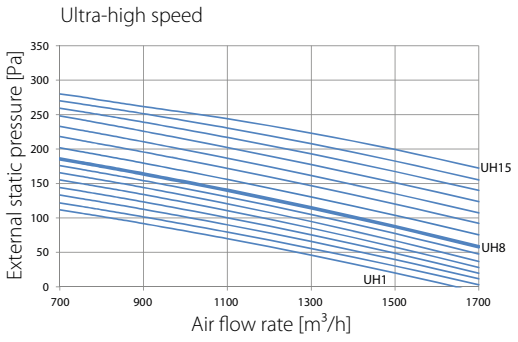
LEGEND

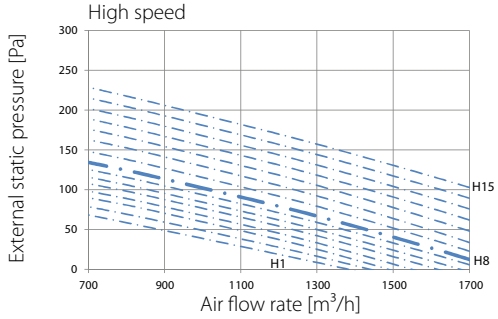
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

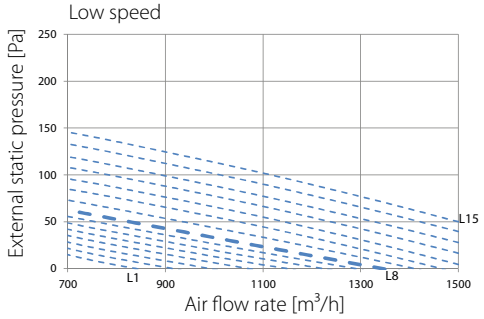
3D112832A

VAM1500J









Ultra-high speed
High speed
Low speed

NOTES

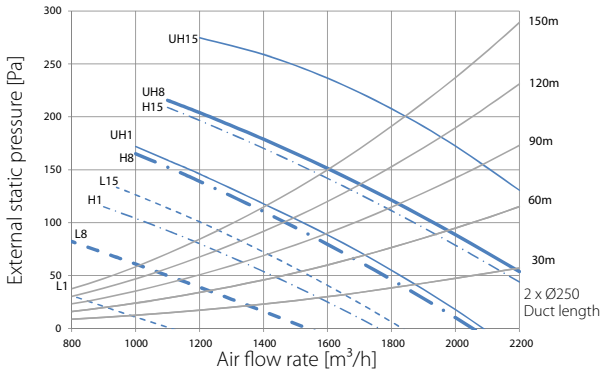
1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

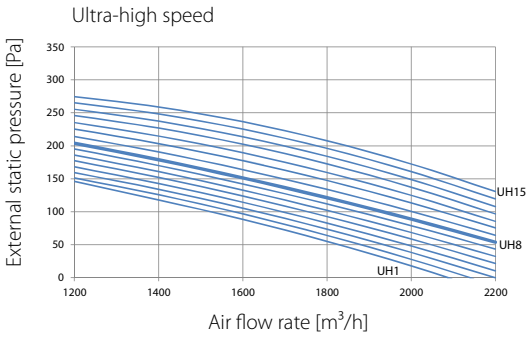
LEGEND

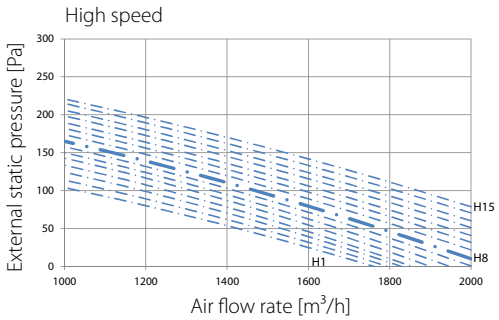
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

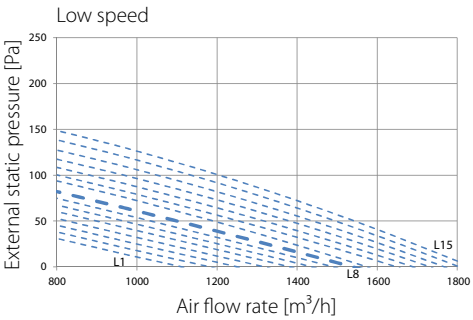
3D112838A

VAM2000J









Ultra-high speed
High speed
Low speed

NOTES

1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

LEGEND

L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

3D112839A

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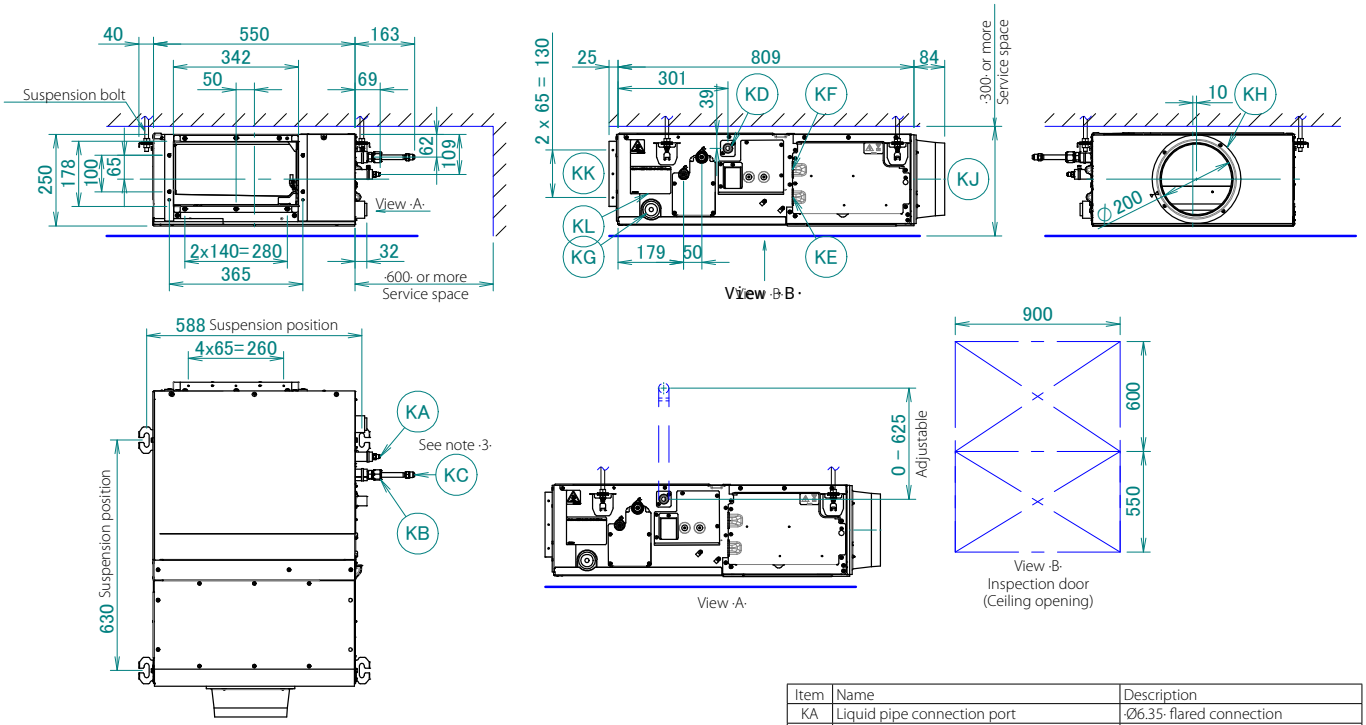
EKVDX32A



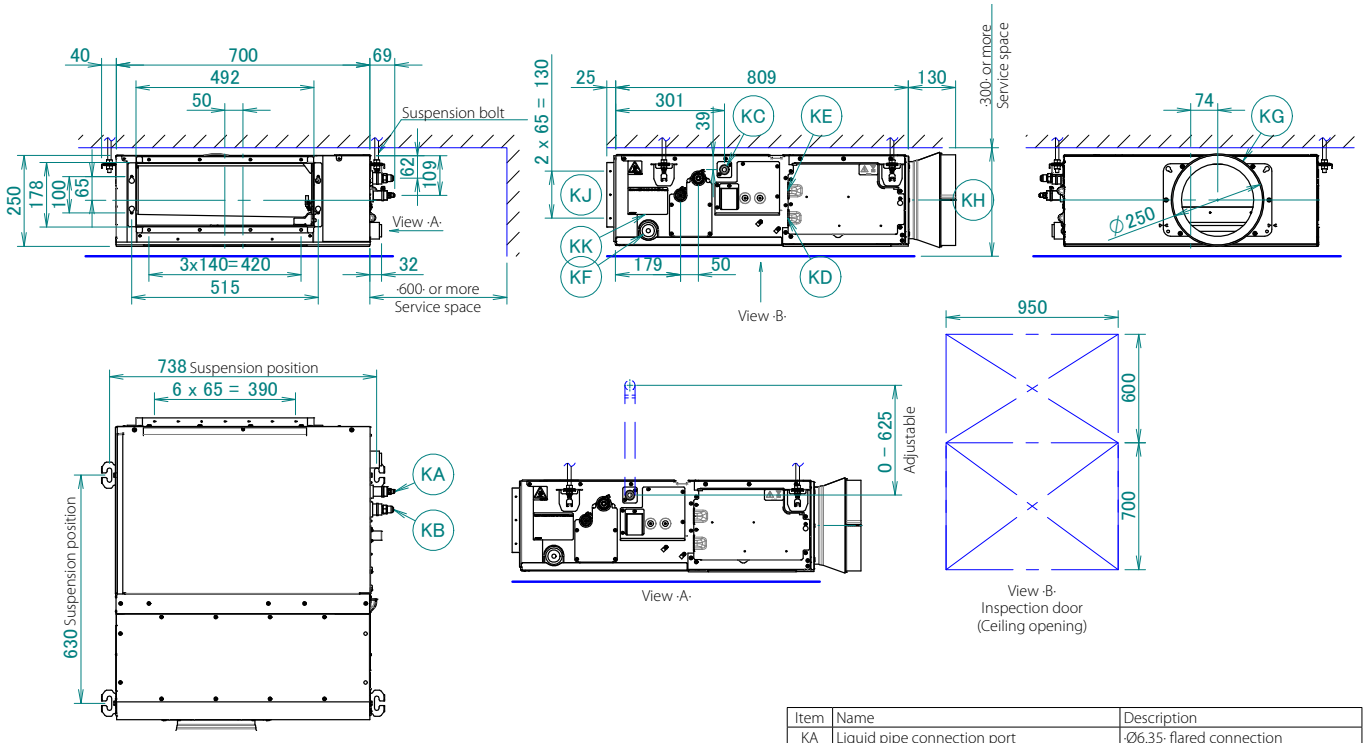
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Accessory pipe	·Ø9.52· flared connection
KD	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KE	Wiring connection	/
KF	Power supply connection	/
KG	Drain outlet	VP20 (OD Ø26, ID Ø20)
KH	Air inlet flange	/
KJ	Air suction side	/
KK	Air discharge side	/
KL	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. Mandatory in case of using ·R32· refrigerant

3D127967

EKVDX50A



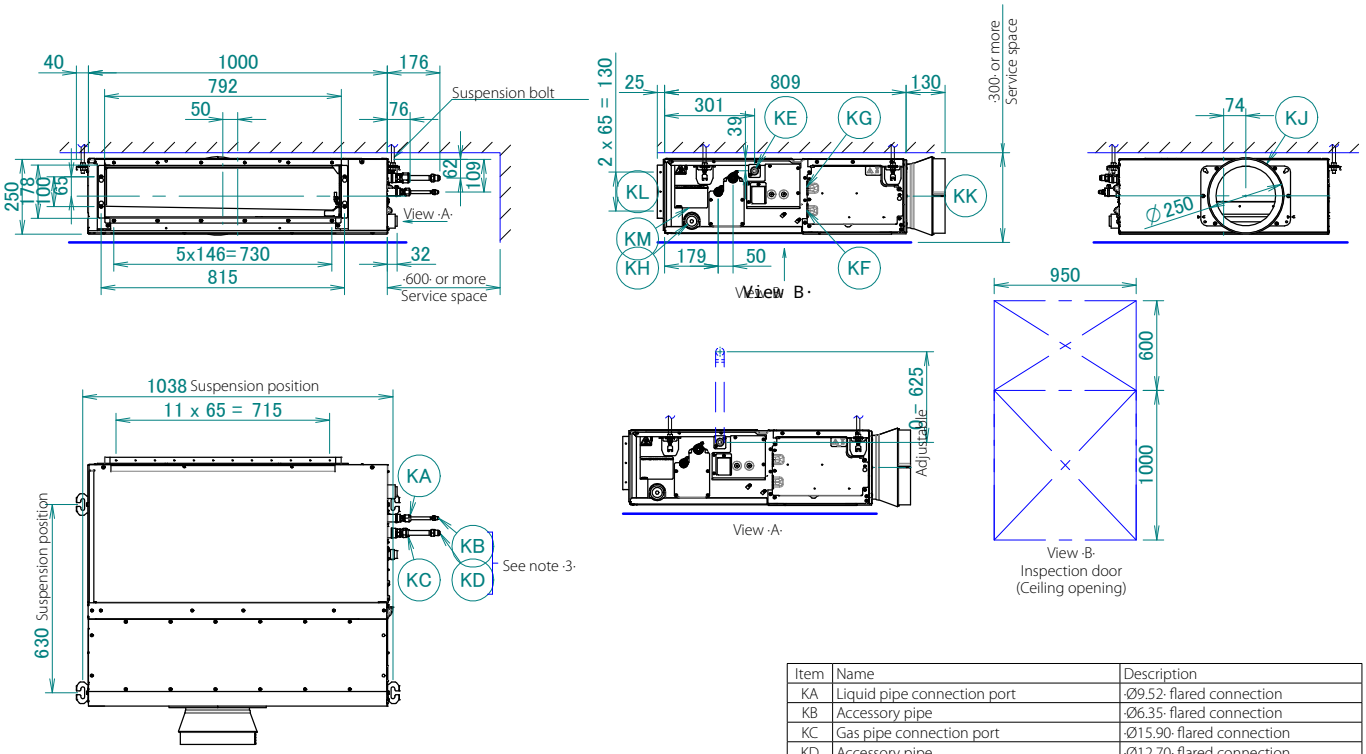
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air inlet flange	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D127968

EKVDX80A



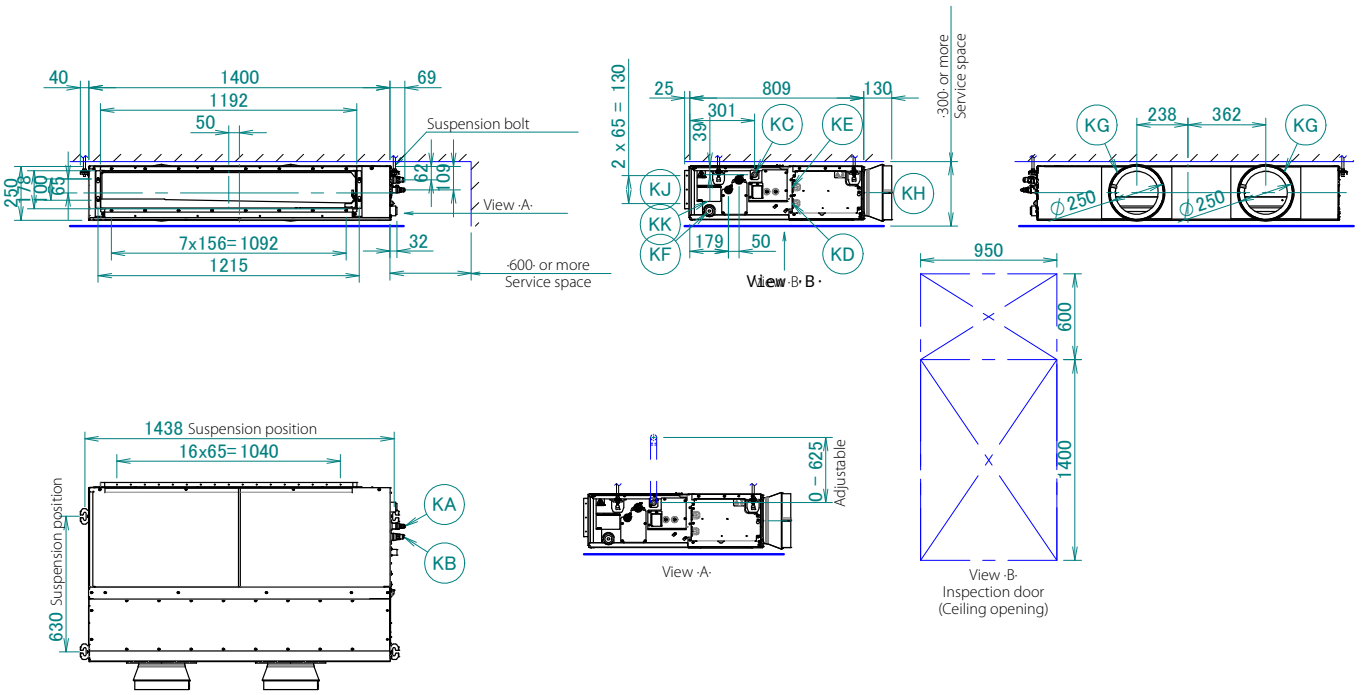
Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Accessory pipe	·Ø6.35· flared connection
KC	Gas pipe connection port	·Ø15.90· flared connection
KD	Accessory pipe	·Ø12.70· flared connection
KE	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KF	Wiring connection	/
KG	Power supply connection	/
KH	Drain outlet	VP20 (OD Ø26, ID Ø20)
KJ	Air inlet flange	/
KK	Air suction side	/
KL	Air discharge side	/
KM	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.
3. Mandatory in case of using ·R32· refrigerant

3D127969

EKVDX100A



Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Gas pipe connection port	·Ø15.90· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air inlet flange	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D127970

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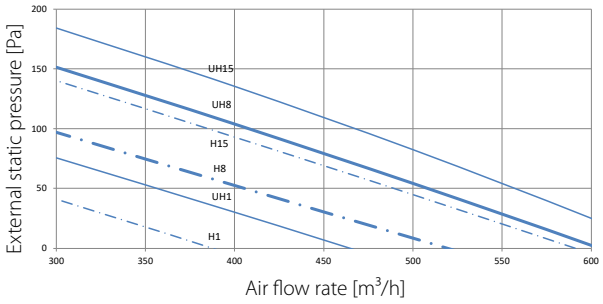
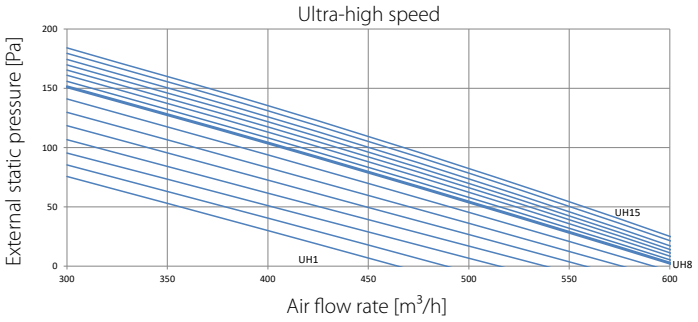
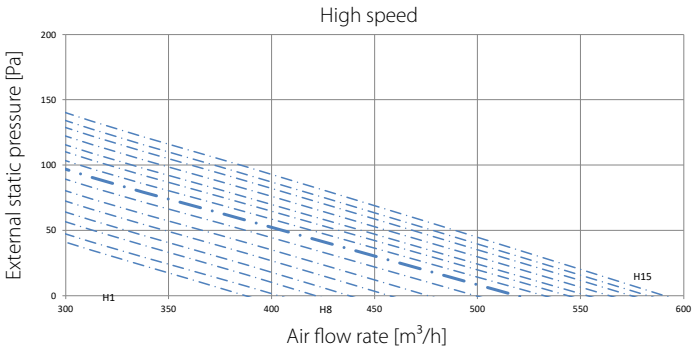
EKVDX32A







LEGEND

H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

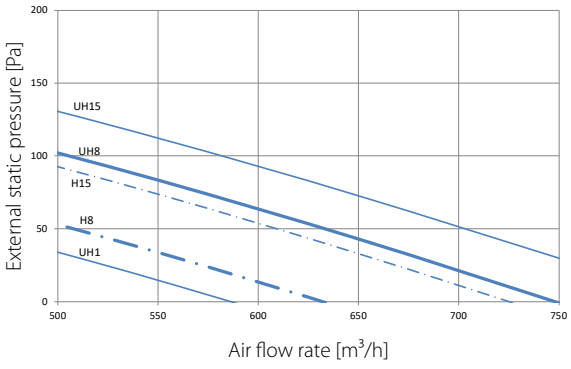
Ultra-high speed
High speed

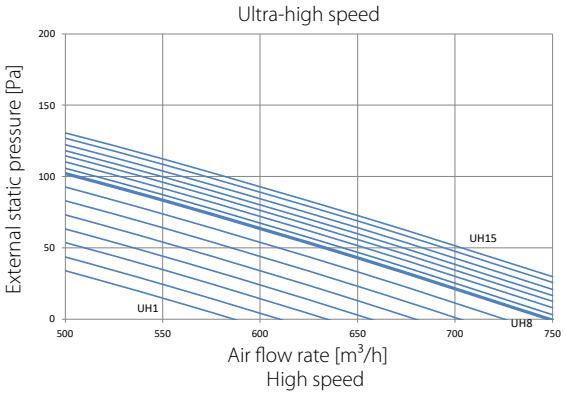
NOTES

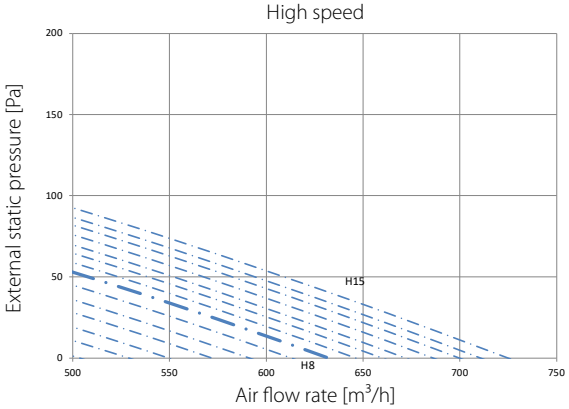
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. The designed airflow of the system at H and UH tap should be kept as shown in the graphs. If the ·VAM· airflow is out of this range, the compressor of the outdoor unit may stop for selfprotection purposes.
3. Unit operation with R32 refrigerant is possible in the shaded area of the graphs, but the R32 safety alarm will be triggered if the system airflow drops within this area during operation. No selection in this area is allowed.
4. Measured according to ·JIS B 8628 - 2003·

3D138264

EKVDX50A







LEGEND

H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

Ultra-high speed
High speed

NOTES

1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
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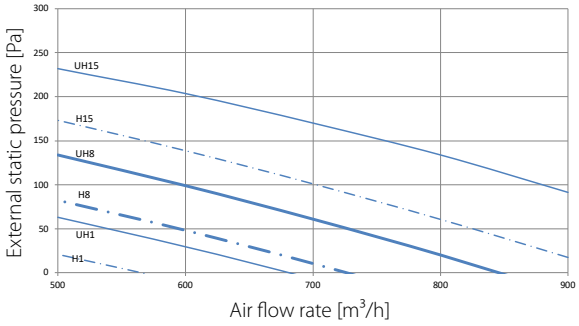
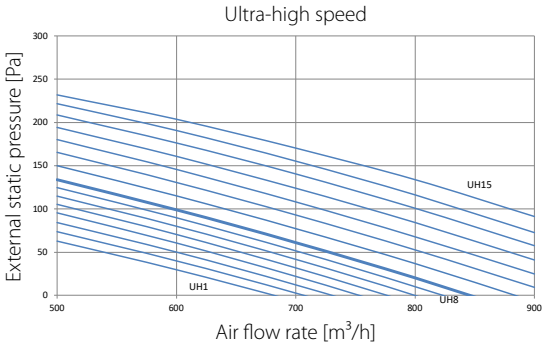
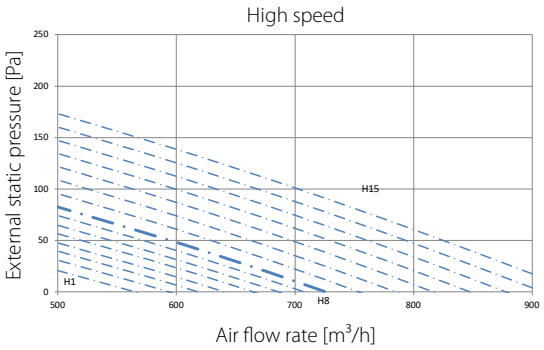
2. The designed airflow of the system at H and UH tap should be kept as shown in the graphs. If the ·VAM· airflow is out of this range, the compressor of the outdoor unit may stop for selfprotection purposes.
3. Measured according to ·JIS B 8628 - 2003·

3D138265

EKVDX50A







LEGEND

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Ultra-high speed
High speed

NOTES

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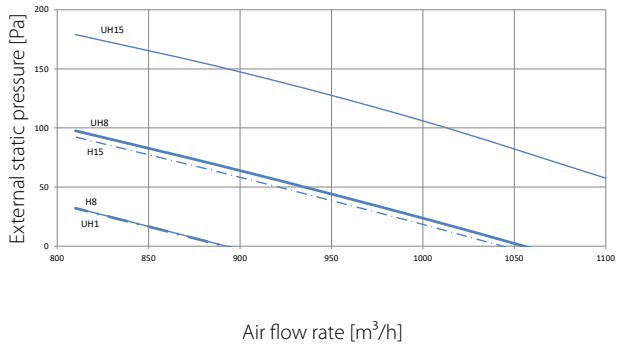
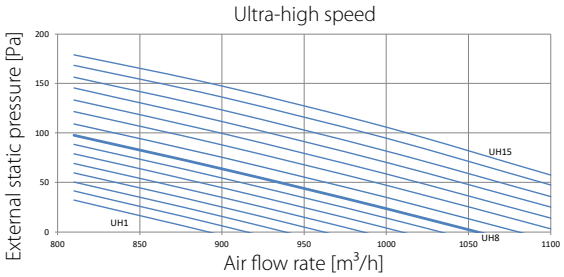
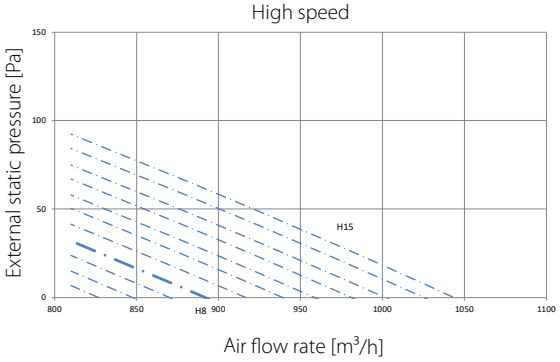
3. Measured according to ·JIS B 8628 - 2003·

3D138266

EKVDX80A







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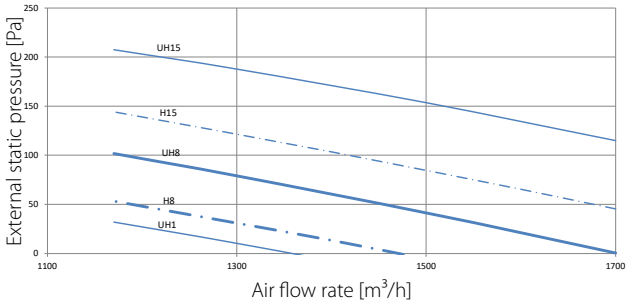
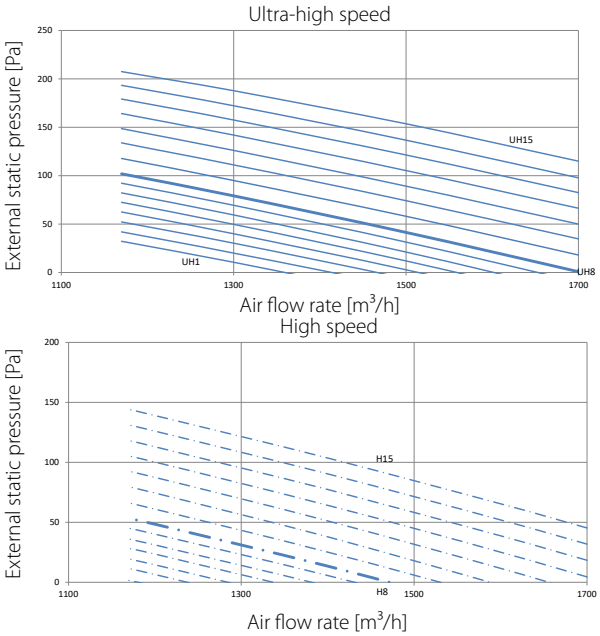
3. Measured according to ·JIS B 8628 - 2003·

3D138267

CLICK HERE TO VIEW ALL EKVDX-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

EKVDX100A





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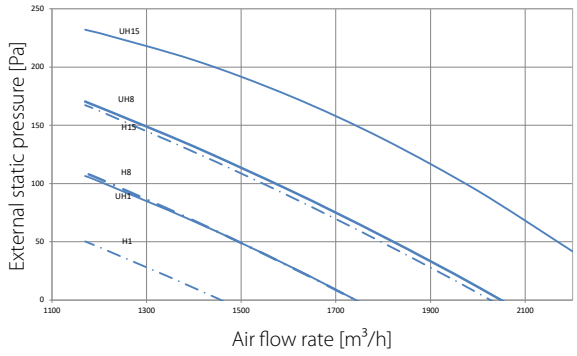
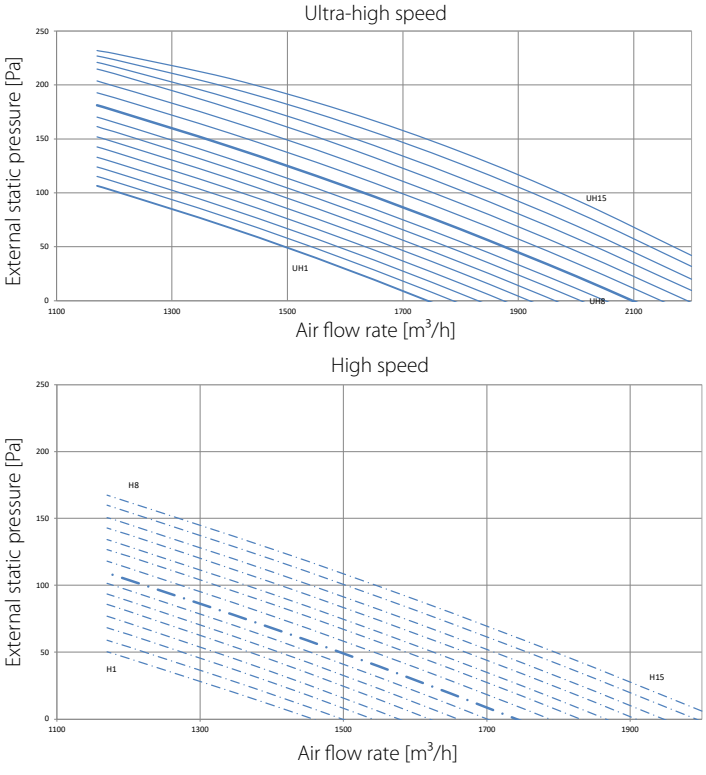
3D138268

EKVDX100A





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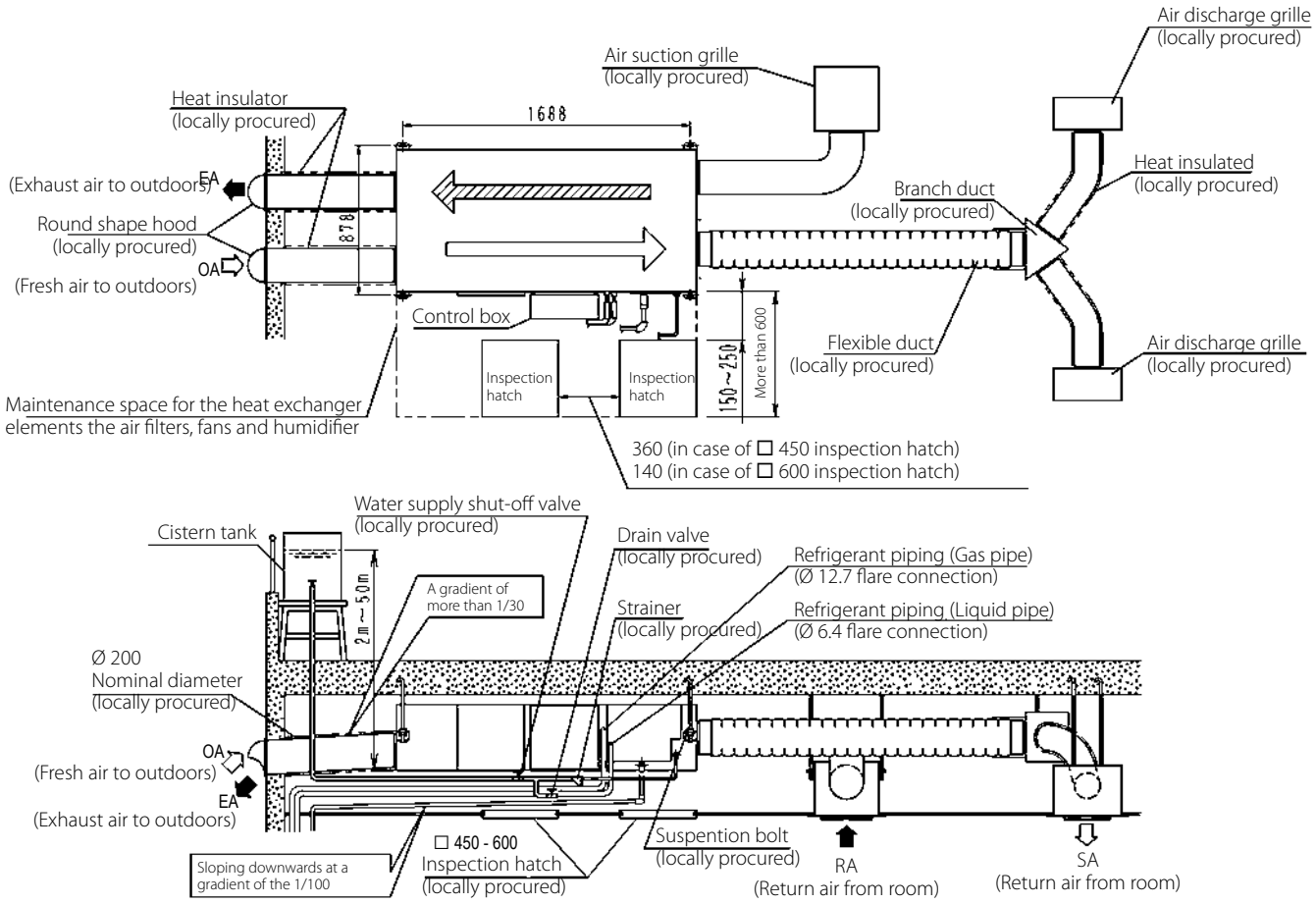
3D138269

VKM50GBM



NOTES

1. Leave space for servicing the unit and include inspection hatch. (Always open a hole on the side of the control box so that the air filters heat exchange elements, and fans can easily be inspected and serviced.)
2. Install the two outdoor ducts with down slope (slope of 1/30 or more) to prevent entry of rain water, also, provide insulation for three ducts (outdoor ducts and indoor supply air duct) to prevent dew condensation. (Material: glass wool of 25mm thick)
3. Do not turn the unit upside down.
4. Use city water or clean water.
   Include water supply piping with strainer, a water supply shut-off valve, and a drain valve (both locally procured) somewhere along the water supply piping that can be reached from the inspection.
5. It is impossible to connect the water supply piping directly to public piping. Use a cistern tank (of the approved type), if you need to get your water supply from public piping.
6. Make sure the supply water 0.02MPa to 0.49MPa (0.2 kg/cm^2 to 5 kg/cm^2)
7. Make sure the supply water is between 5°C and 40°C in temperature.
8. Insulate the water supply piping to prevent condensation from forming.
9. Make sure to install drain piping, and insulate drain piping to prevent dew condensation.
10. Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air from forming.
11. Install in a location where the air around the unit or taken into the umidifier will not drop below 0°C.
12. Do not use a bent cap or a round hood as the outdoor hood if they might get rained on directly (we recommend using a deep hood) (optional accessory).
13. In areas where freezing may occur, always take steps to prevent the pipes from freezing.
14. Do not place something which shouldn't get wet at the below of this unit. The dew would fall at following case, where humidity is 80% more, or the exit of drain socket is choked up, or the air filter is very dirty.
15. Feed clean water. If the supply water is hard water, use a water softener because of short life.
    Life of humidifying element is about 3 years (4,000 hours), under the supply water conditions of hardness: 150 mg/L. (Life of humidifying element is about 1 years (1,500 hours), under the supply water conditions of hardness: 400 mg/L.)

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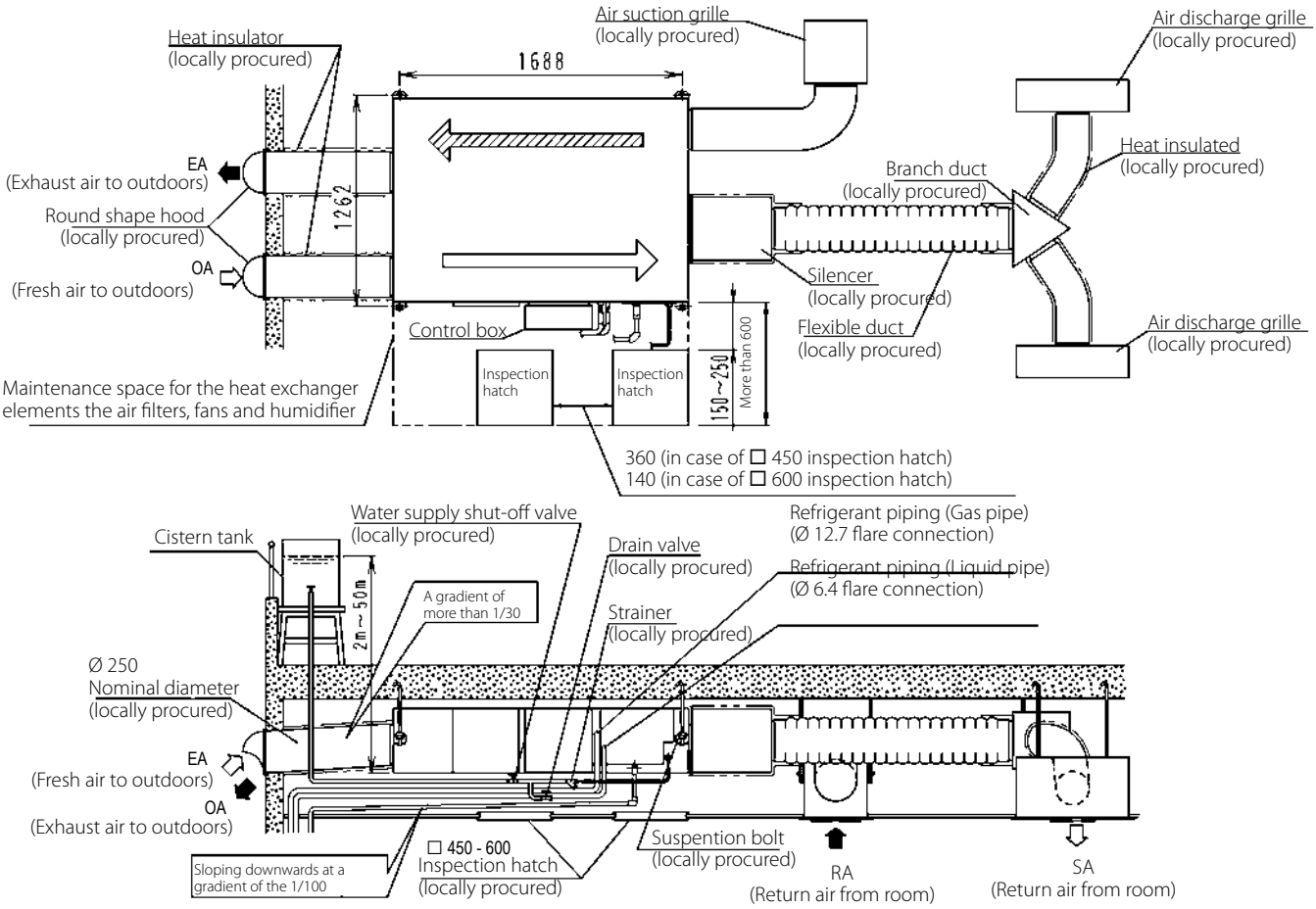
VKM80GBM



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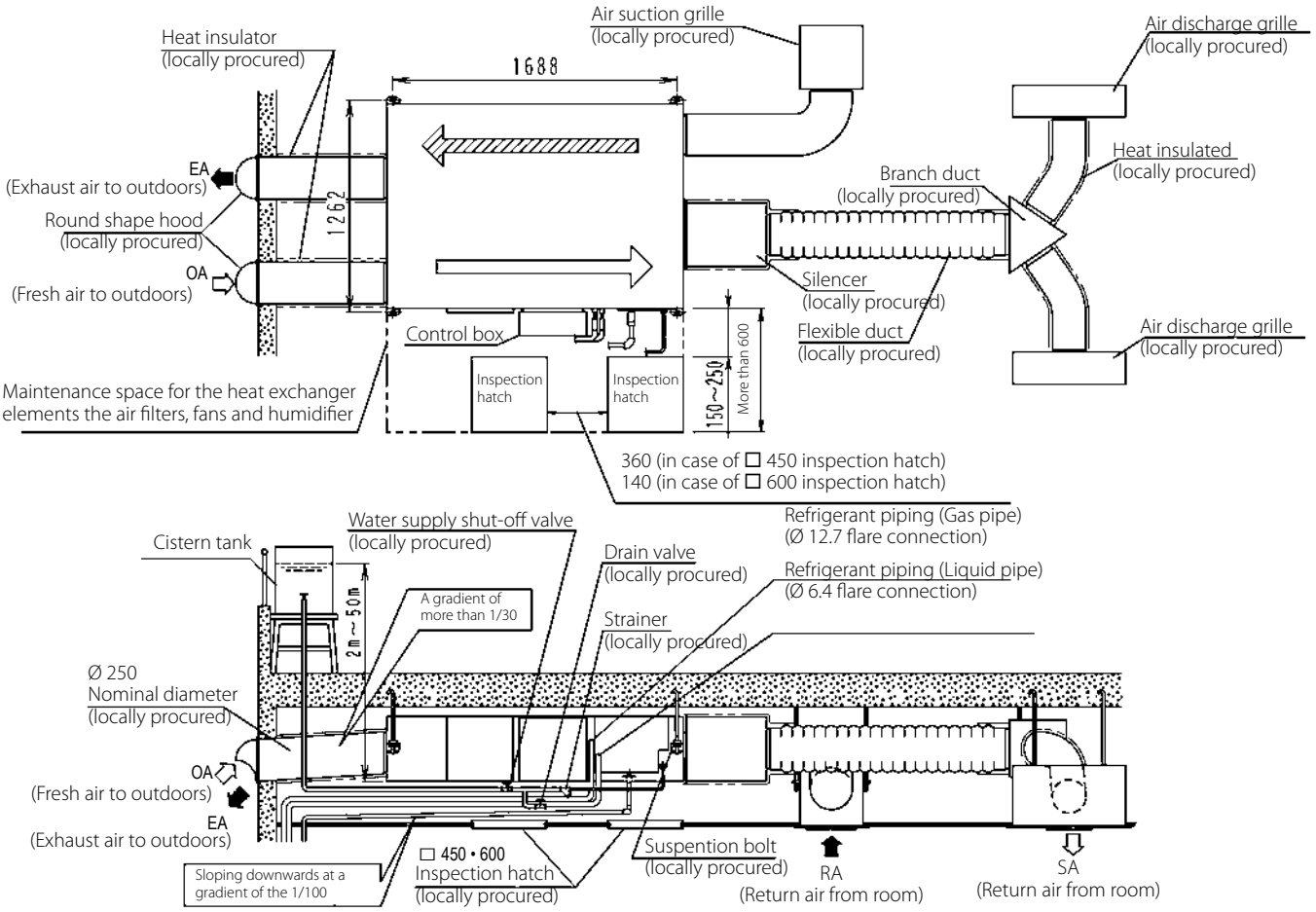
3D083012

VKM100GBM



NOTES

1. Leave space for servicing the unit and include inspection hatch. (Always open a hole on the side of the control box so that the air filters, heat exchange elements, fans and humidifier elements can easily be inspected and serviced.)
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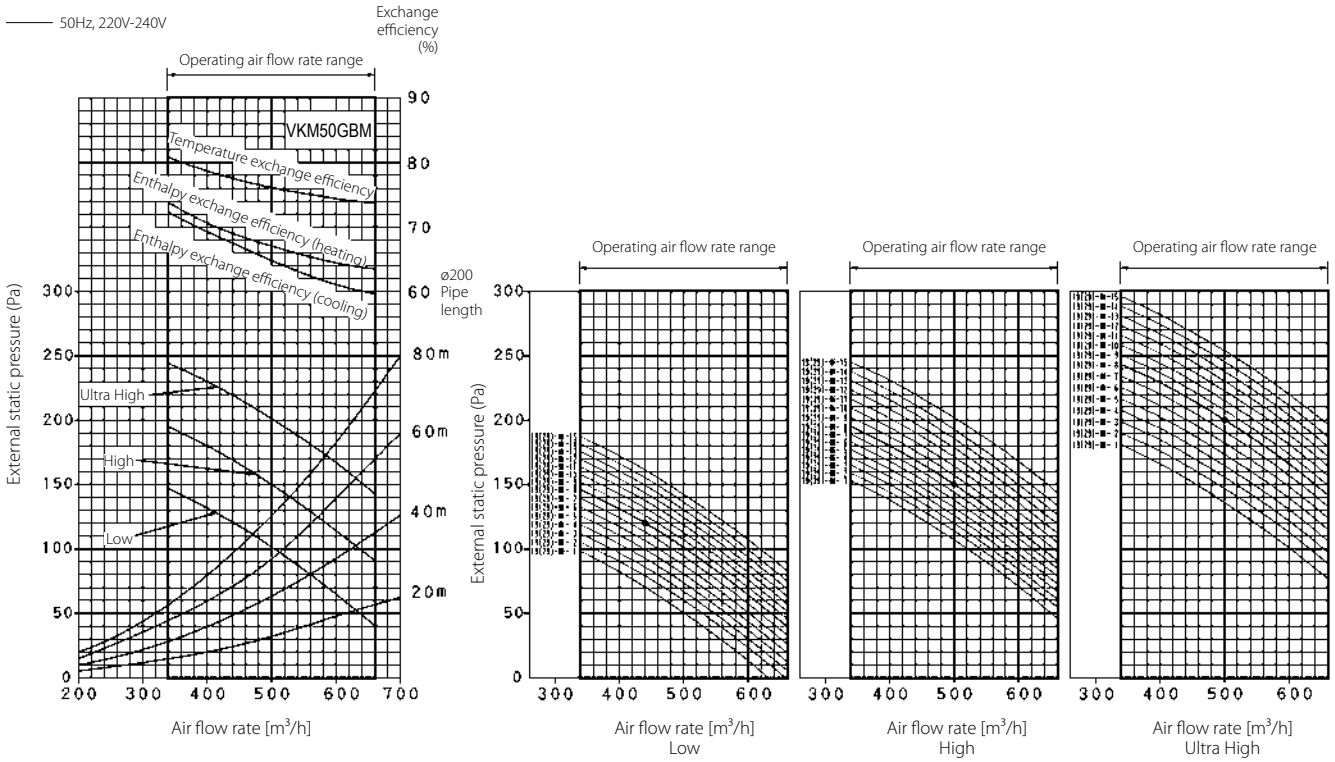
CLICK HERE TO VIEW ALL VKM-GBM TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VKM50GBM

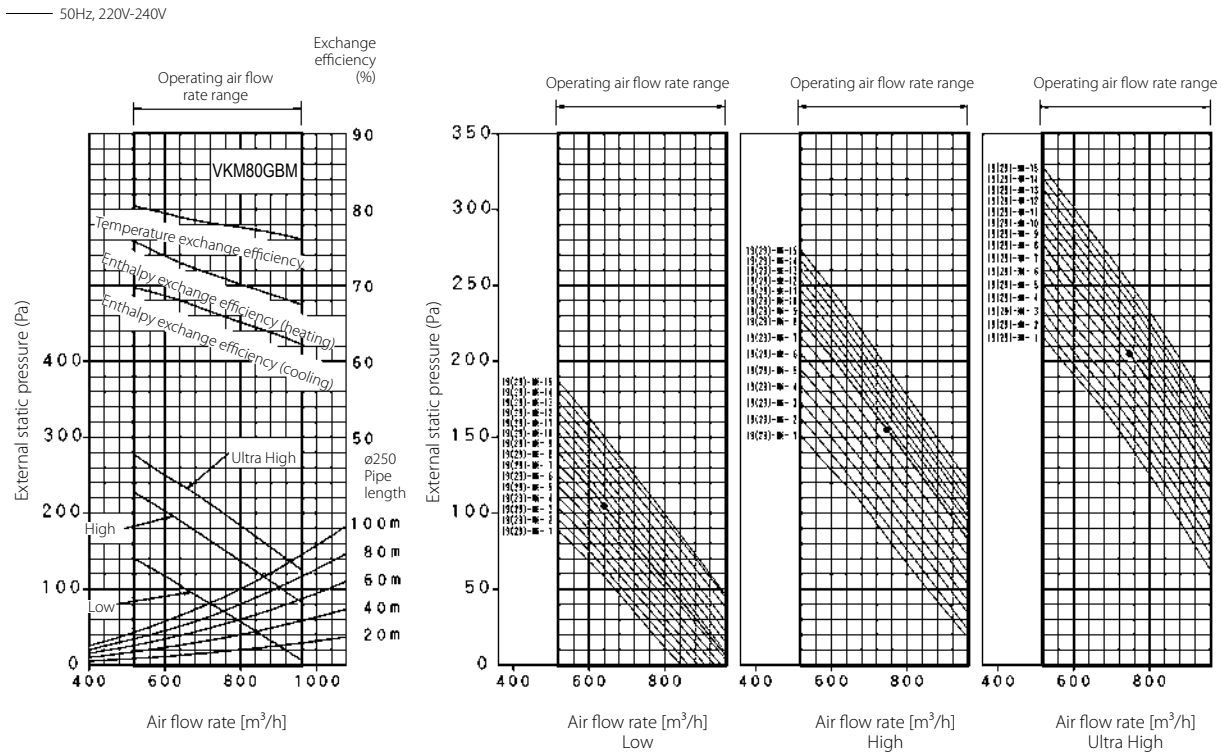


[READING OF PERFORMANCE CHARACTERISTICS]

1. For example: 19(29)-※-07
   Mode no.: 19(29)
   First code: ※ (Supply ⌈2⌋ Exhaust ⌈3⌋)
   Second code no.: 07
2. Rated point: ●
3. The characteristic of each tap becomes a setup of the characteristic of the same code number.

3D082901

VKM80GBM



[READING OF PERFORMANCE CHARACTERISTICS]

1. For example: 19(29)-※-07
   Mode no.: 19(29)
   First code: ※ (Supply ⌈2⌋ Exhaust ⌈3⌋)
   Second code no.: 07
2. Rated point: ●
3. The characteristic of each tap becomes a setup of the characteristic of the same code number.

3D082902

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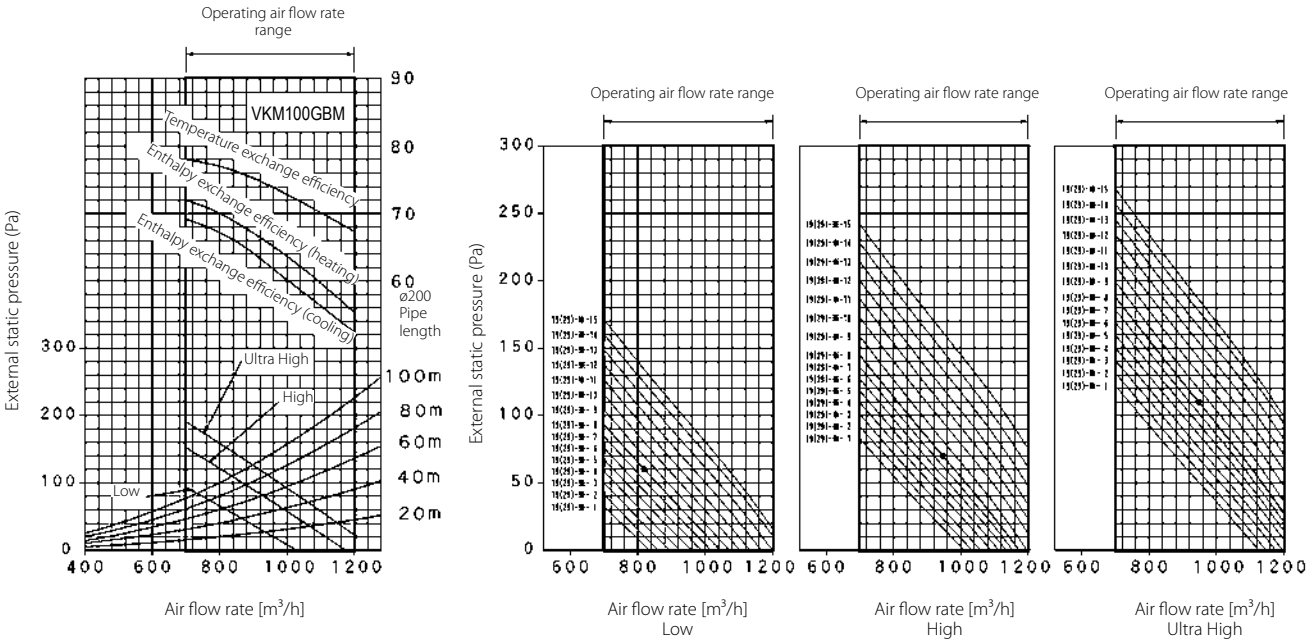
VKM100GBM

50Hz, 220V-240V

Exchange efficiency (%)



[READING OF PERFORMANCE CHARACTERISTICS]

1. For example: 19(29)-※-07
   Mode no.: 19(29)
   First code: ※ (Supply ⌜2⌟ Exhaust ⌜3⌟)
   Second code no.: 07
2. Rated point: ●
3. The characteristic of each tap becomes a setup of the characteristic of the same code number.

3D082903

Power supply

T1 = 3~, 220V, 50Hz
V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
V3 = 1~, 230V, 50Hz
VM = 1~, 220~240V/220~230V, 50Hz/60Hz
W1 = 3N~, 400V, 50Hz
Y1 = 3~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Conversion table refrigerant piping

inch	mm
1/4″	6.4 mm
3/8″	9.5 mm
1/2″	12.7 mm
5/8″	15.9 mm
3/4″	19.1 mm
7/8″	22.2 mm
1 1/8″	28.5 mm
1 3/8″	34.9 mm
1 5/8″	41.3 mm
1 3/4″	44.5 mm
2″	50.8 mm
2 1/8″	54 mm
2 5/8″	66.7 mm

F-gas regulation

Any refrigeration system that contains fluorinated greenhouse gases is in scope of the F-gas regulations.
For fully/partially pre-charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels and in the notes underneath the specification tables in this catalogue.
For non pre-charged equipment (including, but not limited to racks): its functioning relies on fluorinated greenhouse gases.
The F-gas regulations do not apply to systems that contain only natural refrigerants such as propane or carbon dioxide.

Measuring conditions

Air conditioning

1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m

Refrigeration

ZEAS	Chilling		Evaporating temp. -10°C; outdoor temp. 32°C; Suction SH10°C
	Freezing		Evaporating temp. -35°C; outdoor temp. 32°C; Suction SH10°C
Conveni-Pack	Mix Air conditioning and refrigeration operating mode		Indoor temp. 27°CDB/19°CWB; outdoor temp. 32°CDB; piping length:7.5m; level difference: 0m; refrigeration side: Evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C
	Mix heating and refrigeration operating mode (Heating recovery 100% mode)		Indoor temp. 20°C; outdoor temp. 7°CDB,6°CWB; advertised refrigerant load (Evaporating temp. -10°C; Suction SH: 10°C); piping length:7.5m; level difference: 0m
Booster unit			Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C
CCU/SCU	Medium temperature application		Medium temperature application: Outside ambient temp. 32°C; Evaporating temp. = -10°C and 10K superheat;
	Low temperature application		Low temperature application: Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature
Zanotti	Uni-Block, Bi-Block, Wineblock	High temperature	When normally running: +10°C / +30°C
		Medium temperature	When normally running: 0°C / 30°C
		Low temperature	When normally running: -20°C / +30°C
	CU (one, twin, and more compressor(s))	Medium temperature	Outside ambient temp. 32°C; Evaporating temp. = -10°C and 20°C suction gas temperature
		Low temperature	Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature

Applied systems

Air cooled	Cooling only		Evaporator: 12°C/7°C	Ambient: 35°CDB
	Heat pump		Evaporator: 12°C/7°C	Ambient: 35°C
			Condenser: 40°C/45°C	Ambient: 7°CDB/6°CWB
Water cooled	Cooling only		Evaporator: 12°C/7°C	
			Condenser: 30°C/35°C	
	Heating only		Evaporator: 12°C/7°C	
			Condenser: 40°C/45°C	
Condenserless chiller			Evaporator: 12°C/7°C	
			Condensing temperature: 45°C / liquid temperature: 40°C	
Fan coil units	Cooling		Indoor temperature 27°CDB, 19°CWB; entering water temperature 7°C, water temperature rise 5K	
	Heating	2-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 45°C, water temperature drop 5K	
		4-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 65°C, water temperature drop 10K	
Air Handling Units			Temperature and humidity conditions: Extract air 22°C / 50%; Fresh air -10°C / 90%	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks). The sound power level is an absolute value indicating the "power" which a sound source generates. For more detailed information please consult our technical databooks.

Notes

DAIKIN

Meet our superhero:
VRV 5 heat recovery

The next-generation climate control solution, purpose-built to support the decarbonisation of buildings.

The new VRV 5 Heat Recovery system has dynamic superpowers that ensure maximum comfort and flexibility while significantly reducing a building's environmental footprint.

Stretch: With the widest range of indoor and outdoor units on the market and great piping flexibility, VRV 5 Heat Recovery suits any commercial building – and can be installed practically anywhere, thanks to its low sound levels and high ESP.

Shîrudo Technology: Thanks to built-in Shîrudo Technology, VRV 5 Heat Recovery offers maximum flexibility out of the box. With all measures factory-integrated, the technology takes complete care of small room applications in your buildings, without any additional considerations, field supplied equipment or time-consuming studies.

Sustainability: VRV 5 Heat Recovery is more sustainable over its lifecycle, reducing indirect emissions through market-leading seasonal efficiency and highly effective 3-pipe heat recovery. Built specifically for R-32 refrigerant, it reduces Global Warming Potential (GWP) by 71% compared to R-410A systems.

Smart: VRV 5 Heat Recovery is geared for smart comfort. Variable Refrigerant Temperature allows the system to be fully customised to the customer's requirements, ensuring maximum energy efficiency.

Support: Never fear, support is always here for you and your clients. We offer total flexibility and peace of mind from design and specification all the way through to remote monitoring and proactive system maintenance.

Learn more by visiting **www.daikin.co.uk/vrv5hr**

VRV 5 BLUEVOLUTION

SHÎRUDO TECHNOLOGY

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Printed on non-chlorinated paper.