DAIKIN

Perfecting the Air

Shaping the Future through Technologies



VRV 7 S SERIES

RSUA-AYMS

R-32

Cooling Only 50 Hz

Daikin's Policy

Toward Net-Zero Greenhouse Gas Emissions

In 2018, Daikin formulated Environmental Vision 2050, with a target of reducing greenhouse gas emissions to net zero by 2050.

Environmental Vision 2050



- Challenge to achieve carbon neutrality
- Promotion of solutions business connected with customers
- Creating value with air

As the only company in the world that manufactures both air conditioners and the refrigerants used in them, Daikin has delivered products and services featuring environmental technologies to customers around the globe.

At the same time, there is a pressing need to address the growing electricity demand driven by the increasing use of air conditioners worldwide, as well as to reduce greenhouse gas emissions from refrigerants.

While working toward "net zero greenhouse gas emissions," we aim to provide healthy and comfortable air environments that are safe and secure, while minimising environmental impacts—including global warming—through "the creation of new value with air."

For the Air We Live in



QOL with IAQ

Indoor air quality has a significant impact on improving quality of life.

Maintaining a uniform temperature throughout a building and keeping the air clean is said to have a variety of health benefits, including preventing pollen and allergies, and improving sleep quality.

Daikin's business is not just to sell air conditioners, but to provide solutions that deliver high-quality air.

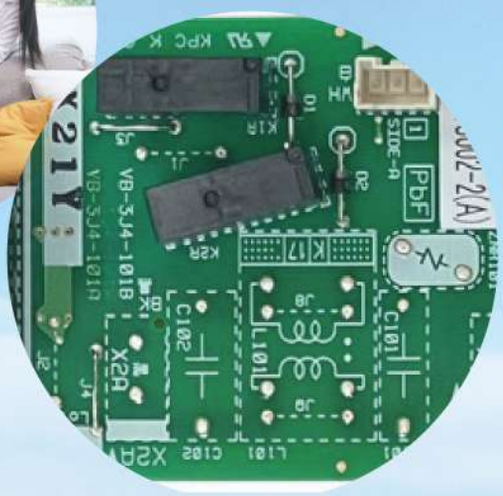


For Carbon Neutral

Air conditioners have become an essential part of urban infrastructure, and demand continues to expand around the world, but this has an impact on energy consumption and global warming. Protecting the global environment is our most important mission, along with improving the quality of life.

For a sustainable future, we will continue to take on the challenge of achieving carbon neutrality.





Sooner, the Better

We consider addressing environmental issues and working toward a sustainable future to be our important mission, and we continue to work hard to achieve this.

VRV 7 S SERIES

New ***VRV*** System with R-32 Refrigerant Debut

Refrigerant for Sustainable Future

R-32

Daikin has launched a new ***VRV*** 7 S series with R-32 refrigerant. While maintaining its strength and performance, it takes advantage of the excellent performance characteristics of R-32 refrigerant to achieve even greater energy efficiency and environmental friendliness.

The slim, compact housing and long piping length allow it to be installed in limited spaces such as balconies and rooftops, making it suitable for a wide range of applications from homes to office buildings.





Home

Installing one outdoor unit on a balcony allows to cover the entire home, keeping even small spaces like bathrooms and hallways comfortable all year round.

Shop / Restaurant

It can be installed in stores, restaurants, etc. without spoiling the interior design. Also, flexible design allows for less temperature unevenness even in spaces with large windows and high foot traffic.





Office

In offices where many people spend long periods of time, it is necessary to have high energy efficiency, as well as control that suits each individual's comfort and flexible air outlet design to suit the layout.

Clinic / Nursery

Even in areas where children, the elderly, or people who are unwell spend time, cleanliness can be maintained and precise temperature and humidity control can be performed to meet a variety of needs.



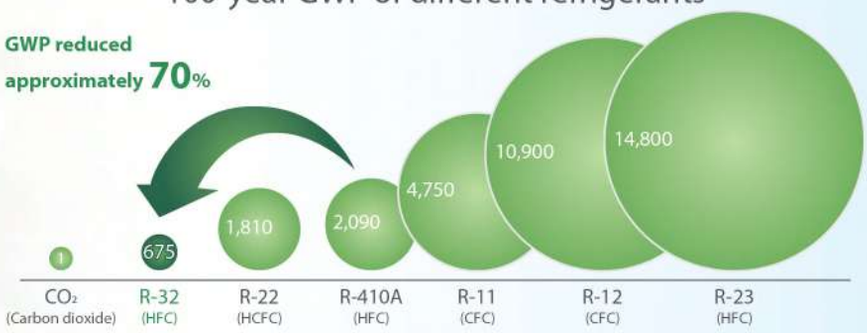
R-32 Low GWP Refrigerant

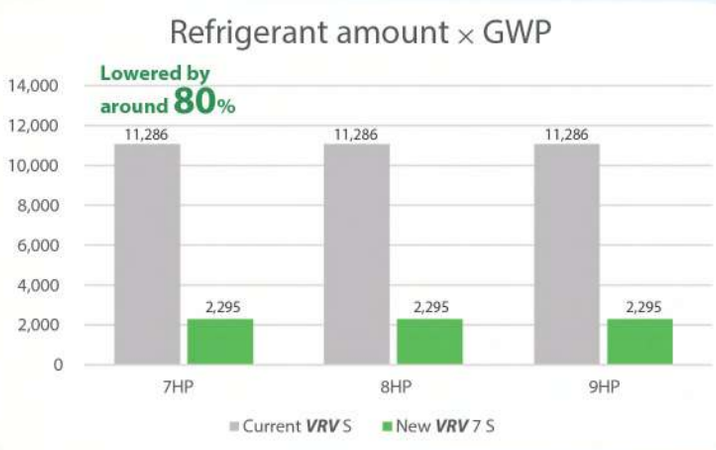
R-32 has less impact on environment, with zero ODP and low GWP.
Compared to the conventional R-22 or R-410A, GWP of R-32 is only around 30%. Furthermore, R-32 has better heat exchanging characteristics, therefore it can greatly reduce the system refrigerant amount.

GWP
A number that represents the global warming potential of other greenhouse gases relative to CO_2.

ODP
A measurement of how much a substance damages the ozone layer.

100-year GWP of different refrigerants





We compared the **GWP × refrigerant charge** values between the current R-410A ***VRV*** S and the new R-32 ***VRV*** 7 S, using models with the **same casing** for a fair evaluation.

As a result, the new ***VRV*** 7 S series demonstrated an **average reduction of 80% in environmental impact** compared to the current R-410A ***VRV*** S series.

Saves More Energy

All the ***VRV*** series have advantages of both hardware and software energy saving technologies. Furthermore, the energy efficiency of new ***VRV*** 7 S has been greatly improved with excellent characteristics of R-32.

Installation Support and Safety Measures

As the safety measures compliant with IEC are supported, the new ***VRV*** 7 S can be installed anywhere as same as conventional R-410A series.
The model selection for the each application is supported by support tools such as DK-BIM.

DIV-NET Advanced System

DIV-NET is a proposal for next generation system, with high-speed communication and integration. Collaborative control with stored operation data creates new values beyond the framework such as better IAQ control, inspection, and service maintenance remotely.

Lineup / Energy Savings

Enhanced Lineup

7 HP model* has been added keeping the small casing as conventional models, allowing for more flexible options to suit each application.

Model Names	7 HP	8 HP	9 HP
RSUA-AYMS	●	●	●

Power supply
RSUA-AYMS : 3-phase, 380-415 V/380 V, 50/60 Hz

*New 7 HP model is only for Indonesia market.





Home Shop Office

Suit for any applications



RSUA7,8,9AYMS

The compact casing does not obstruct the view and can be installed unobtrusively in a small space. It fits flexibly into a variety of applications, from homes to medium-sized stores and offices.

Higher Energy Efficiency

New ***VRV*** 7 S series achieved higher energy efficiency via both hardware and software technologies.
In addition, R-32 refrigerant with its excellent properties further improves the system performance.

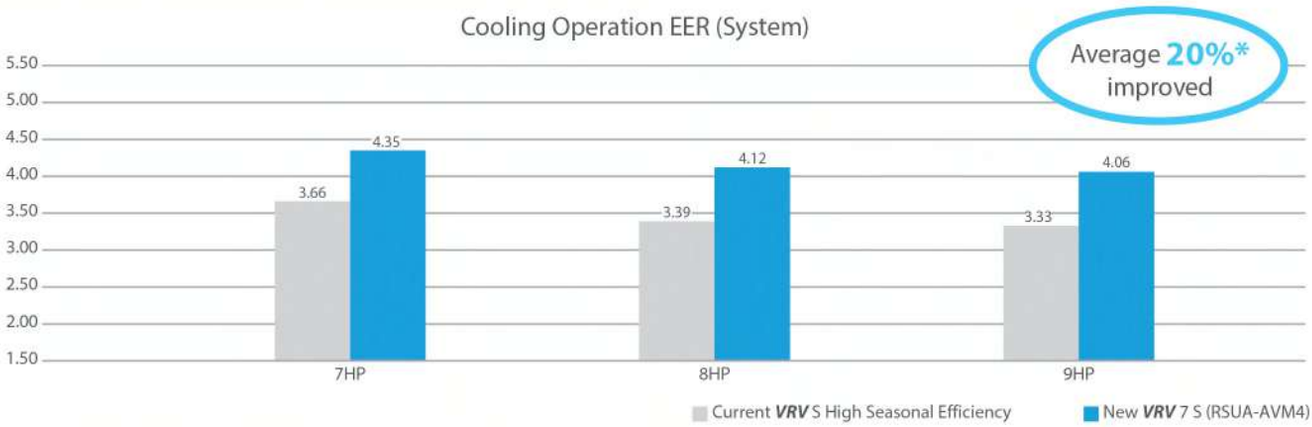
Hardware Technology × Software Technology × Refrigerant Performance



VRT Smart II

R-32 NEW REFRIGERANT

Comparing the EER values, the new ***VRV*** 7 S series has an improvement of approximately 20% compared to the high performance VRV S High seasonal efficiency series



* Compared between ***VRV*** 7 S series and ***VRV*** S High Seasonal Efficiency

Hardware Technology

Enhanced DC Inverter swing compressor for new ***VRV*** 7 S

Every model in the ***VRV*** 7 S series is equipped with upgraded swing compressors, achieving significantly improved performance over the conventional ***VRV*** IV S. With its integrated swing structure, the swing compressor features fewer moving parts, resulting in less wear, lower risk of refrigerant leakage, and reduced friction losses.

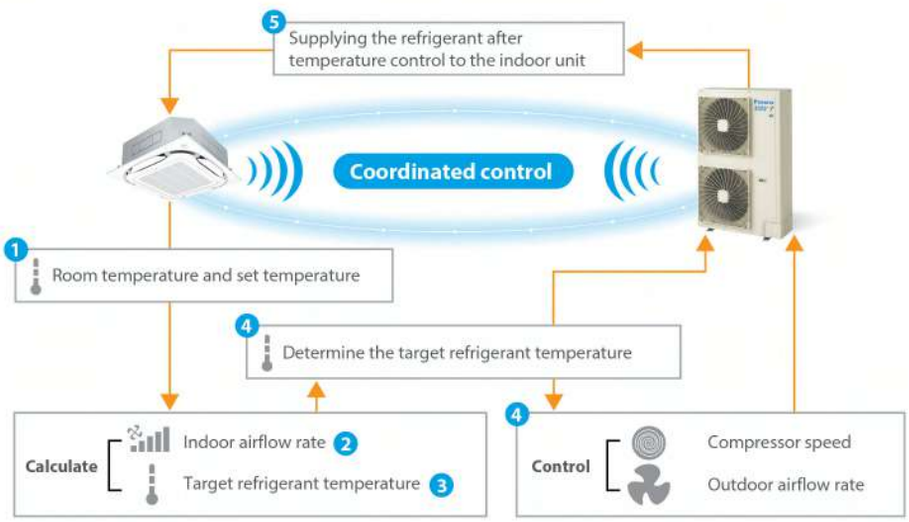
- ✓ Higher efficiency
- ✓ Quieter operation
- ✓ Longer and reliable service life



Software Technology

VRT Smart II Control

The new ***VRV*** 7 S series implements VRT Smart II control in all capacity classes.
By optimising the operation status of the indoor and outdoor units, it reduces unnecessary load and contributes greatly to energy saving performance.



1. Indoor unit will calculate capacity needed based on ΔT (Room temperature vs set temperature) and room temperature trend.
2. Indoor unit will try to regulate with fan speed control.
3. If fan cannot control speed, indoor unit request Te change from outdoor unit.
4. Outdoor unit determines the refrigerant temperature based on the demands, and controls the compressor speed and outdoor airflow rate to change the refrigerant temperature.
5. The outdoor unit supplies the refrigerant adjusted to moderate temperature to the indoor unit.

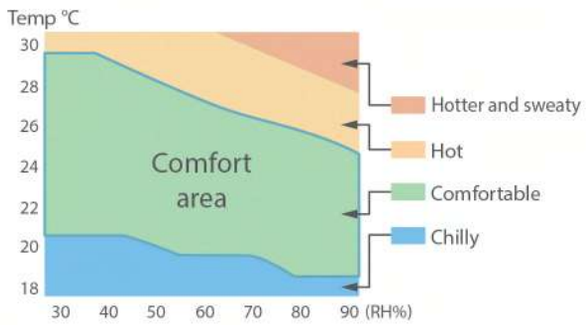
Comfort

Dry Cool Operation

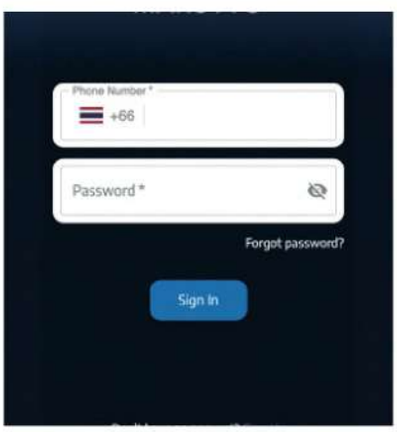
New

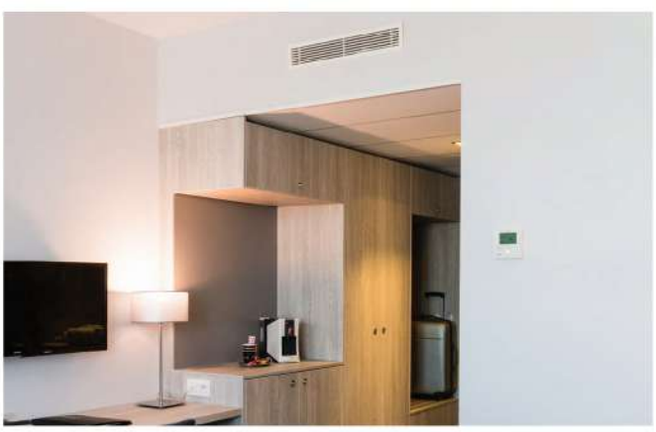
Comfort Depends on More Than Just Temperature
Even at the same room temperature, how you feel can change dramatically with different humidity levels. Achieving the right balance between temperature and humidity is key to true comfort.

Stay Comfortable, Not Just Cool
Unlike conventional cooling, which stops dehumidification once the set temperature is reached, Dry Cool Operation function continues to control humidity for a more comfortable and less muggy indoor environment.



In the new R-32 indoor units equipped with a humidity sensor, Dry Cool Operation mode can be set from new stylish remote controller BRC1H64W(K).



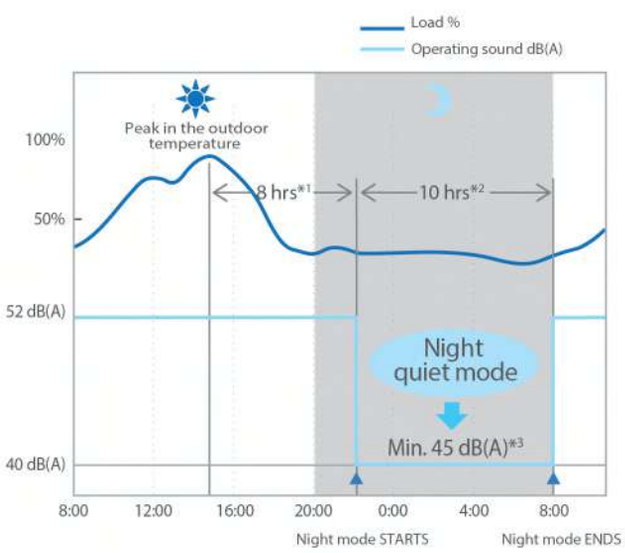


Night Quiet Operation

Model	Sound level during Night Quiet Mode
RSUA7/8/9A	Min. 45 dB(A)

- ✓ Quiet operation to save night-time capacity
- ✓ Consideration for neighbors
- ✓ Sound reduction can be reduced to Min. 45 dB(A) level (7-9 HP)

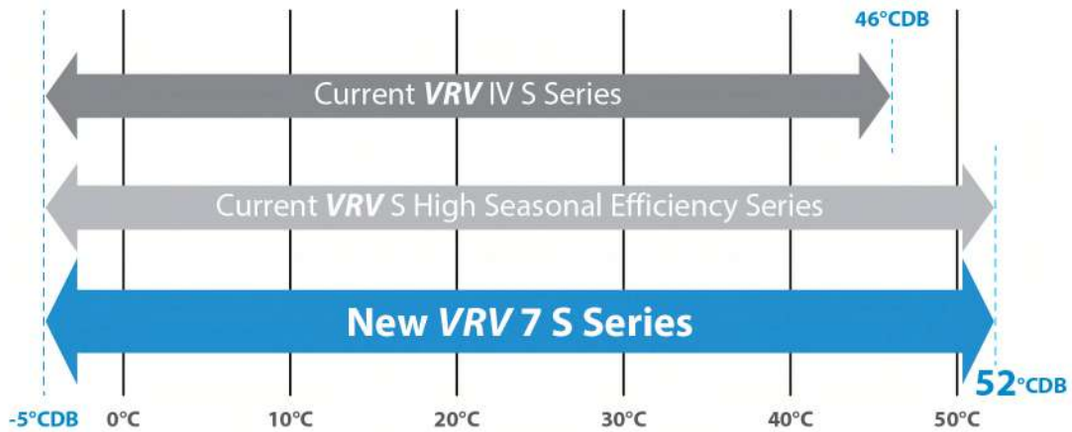
Notes:
*1 This function is available in setting at site.
*2 The operating sound in quiet operation mode is the actual value measured by our company.
*3 The relationship of outdoor temperature (load) and time shown is just an example



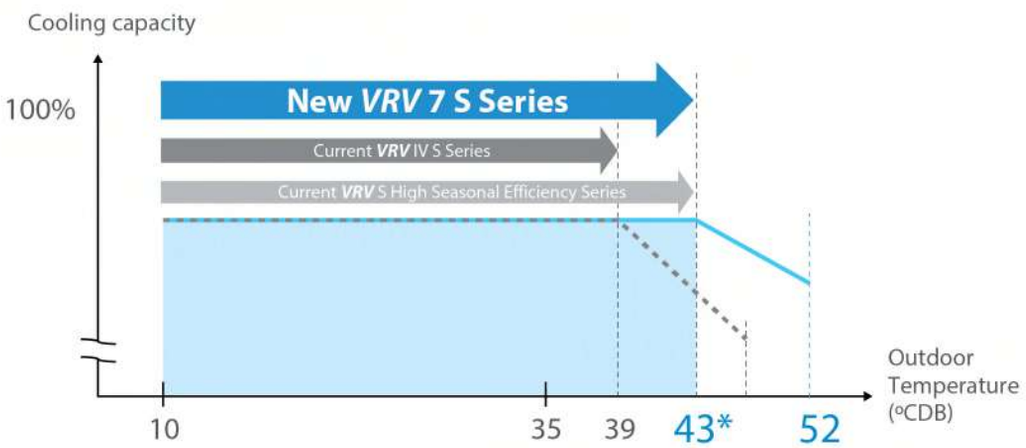
*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.
*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.
*3. In case of 7-9 HP outdoor unit.

Wide Operation Range

The outdoor operation temperature range is now extended to 52°C. Available even in high outdoor temperature regions.



Rated cooling capacity can be maintained even when outdoor temperature is up to 43°C*. Ensures sufficient cooling capacity even in high ambient temperature.



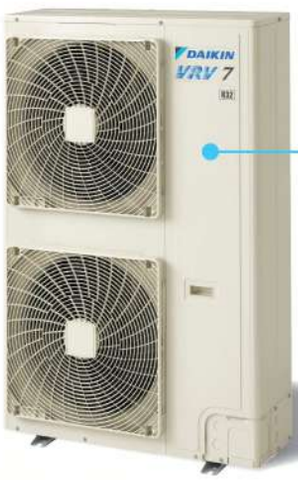
*Rated cooling capacity for 9 HP is up to 42.5°C.





Reliability

PCB Cooling Technology



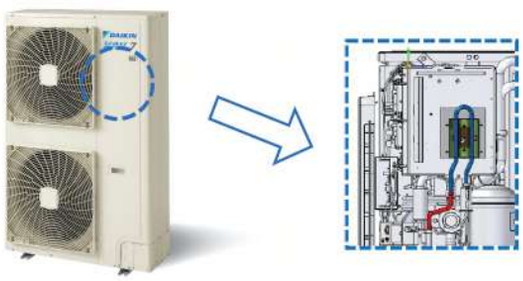
Refrigerant cooled PCB

Daikin's unique refrigerant cooling helps maintain high cooling capacity even during high outdoor temperatures.



Refrigerant cooled PCB technology

Daikin´s unique refrigerant cooling helps maintaining high cooling capacity even during high outdoor temperatures and reducing the number of electronic components needed.





Design Support

Model Selection

DK-BIM-Heat Load Calculation

Part of our support is the heat load calculation function based on the ASHRAE RTS method. After scanning the building drawing, this feature measures, creates rooms, and sets structures to greatly reduce calculation work.
Setting individual equipment load, occupancy, and outdoor air load for each room is also possible.
The calculation results then assist in equipment selection.



DK-BIM-Model Selection for Air Conditioner

From residential air conditioners to ***VRV*** systems and packaged air conditioners, nearly all air conditioner types can be selected.
Not only can you choose between automatic selection based on heat load calculation results and manual selection where you specify the model, you can also verify pipe sizes, create piping and wiring diagrams, and select central control devices. In addition to report format,
selection results can output piping and wiring diagrams to CAD.





BIM Support and Tools

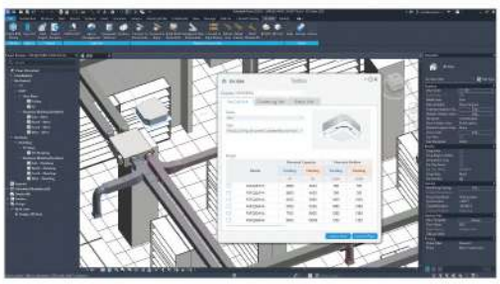
Daikin BIM Library

Daikin has recently launched the Daikin BIM Library. This provides total BIM support with 3D Revit Data, 2D CAD symbols, and product information such as specification sheets.



DK-BIM Revit Plug-In

This shows an add-on software for Autodesk's Revit. A download of the Revit family provides comprehensive support for the design of Daikin products in Revit for performing layouts and piping drawings.
It also works with DK-BIM, allowing integration with room volumes in Revit, heat load calculations in DK-BIM, and equipment selection results.



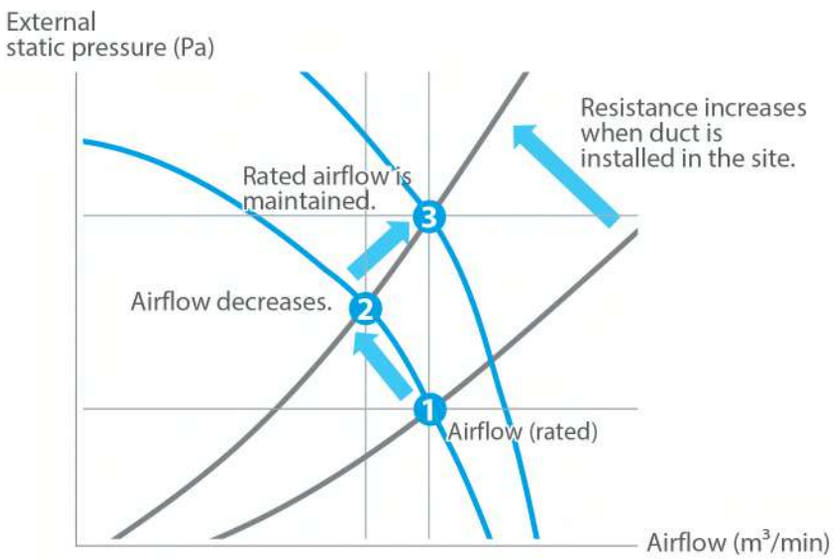
Easy Installation

Prevent Short Circuit with High External Static Pressure

High external static pressure up to 40 Pa and automatic adjustment of external static pressure

The ***VRV*** 7 S Series outdoor unit has been achieved high external static pressure up to 40 Pa, realising stable operation in small installation sites where the air direction adjustment grille or duct is used to avoid short circuits.

The external static pressure automatic adjustment function maintains rated airflow and capacity by automatically adjusting the external static pressure during the test operation to suit the resistance of the installation site.



Space-saving with Compact Casing



On the Rooftop

The compact casing requires minimal installation space, helping maintain a clean and uncluttered rooftop appearance.

Flexible Layout with Long Refrigerant Piping

Actual piping length up to 120 m

Allows various installation

Installation on the rooftop of residential apartments

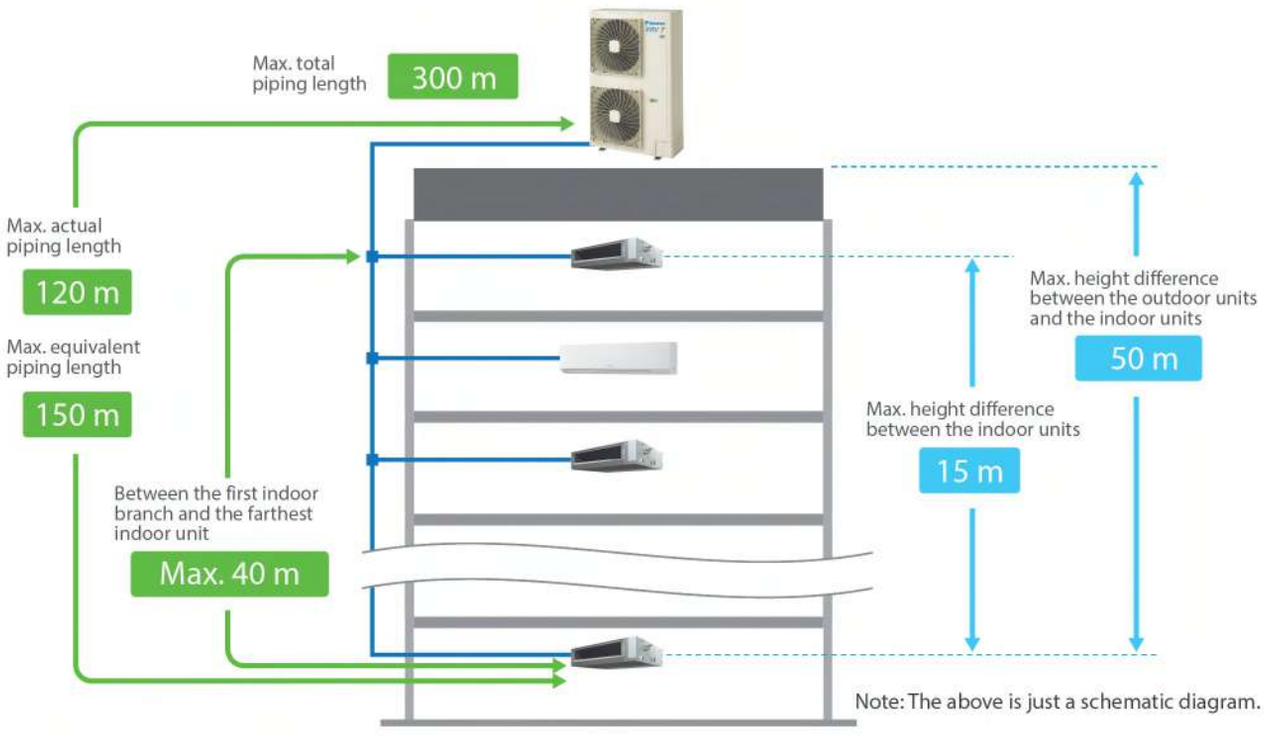


Installation on balconies of residential apartments



One outdoor unit can provide comfort for the whole house





Note: The above is just a schematic diagram.

			7-9 HP
Maximum allowable piping length	Actual piping length (Equivalent)		120 m (150) New
	Total piping length		300 m
	Between the first indoor branch and the farthest indoor unit		40 m
Maximum allowable height difference	Between the indoor units		15 m
	Between the outdoor units and the indoor units	If the outdoor unit is above.	50 m
		If the outdoor unit is below.	40 m

Advanced Control System

Advanced Controls with MARUTTO E-Series

MARUTTO E-Series is an all-in-one, cloud-based management service that offers real-time control and monitoring, advanced analytics, and customised support to address HVAC lifecycle concerns.



Easily controlled from any device*1

Air Conditioner
Indoor units:
128 units (2 lines)
Max. 512 units (8 lines) with additional DIII plus adaptor*2 and DIII plus adaptor slot*2

Ventilation

Lighting

Sensor

Other equipment and devices
- Security equipment
- Fire alarm
- Watt-hour meter (via I/O module)
- Applied equipment

Interlocking with 3rd party systems

- **Connectivity with other systems**
  Connecting and interlocking with WAGO I/O system is possible by communication link.
- **BACnet® compatible** Option
  MARUTTO E-Series connects to 3rd party BMS and controllers via BACnet®

*Please contact your sales representative for communication specifications.

See here for details
Video Overview of MARUTTO E-Series Services ▶

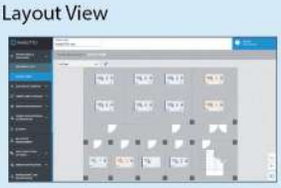
Note:
*1 Operation is only available when the control gateway is connected to the Internet.
*2 DIV-NET and DIII-NET conversion adaptor (option) is required.

Remote monitoring and control

- Multi-Device Support
- Multi-Site Management



- Layout View



- Map View

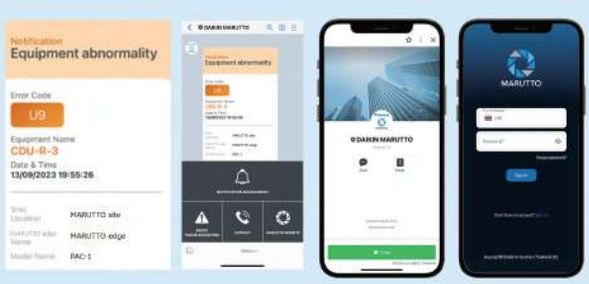


Centralised control

- Interlocking Control of Devices
- User Administration Function
- Schedule Control

Peace of mind service maintenance

- Error Notification Email
- Social Media Support (Option)



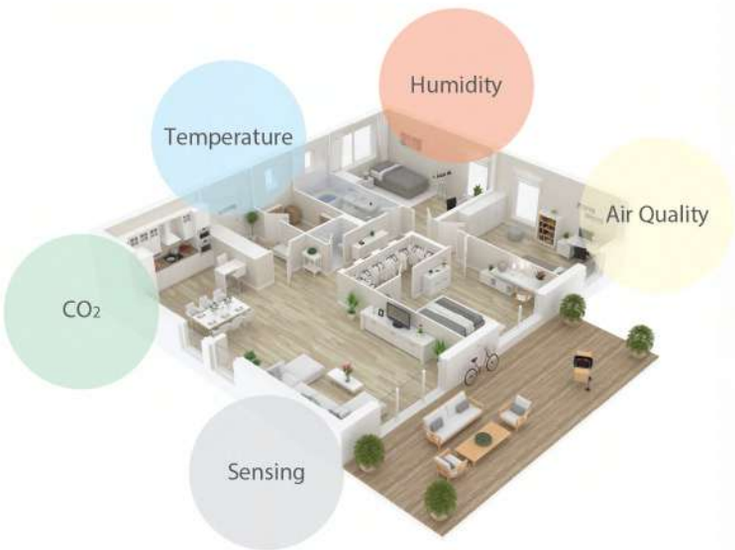
- Remote Emergency Operation (Option)
- Intelligent Maintenance (Option)

Optimised energy usage

- Energy Visualization
- Demand Control (Option)
- Operation Data Output Function
- PPD Function (Option)
- Energy-Saving Simulation
- AI Energy-Saving Control (Option)

Remote and Quick support with MARUTTO E-Series

- Monitor and optimise the indoor air quality
- Monitor and manage for energy saving control
- Regular maintenance
- Emergency inspection and recovery support



- *Advanced maintenance management system.*
- *Integrated control for better Indoor Air Quality*

Control Options

Item	Model No.
Simple touch controller *1	DTP401A61
AC adaptor *3	DTP401A64
	DTP401A65
	DTP401A66
Residential central remote controller *1,2	DCS303A51
Central remote controller *1	DCS302CA61
Electrical box with earth terminal (3 blocks)	KJB311AA
Unified ON/OFF controller *1	DCS301BA61
Electrical box with earth terminal (2 blocks)	KJB212AA
Schedule timer *1	DST301BA61
DIII-NET expander adaptor *1	DTA109A51
DIV-NET and DIII-NET conversion adaptor ★ *5	BRD41A61
	BRD42A61
	BRD43A61
DIV-NET and DIII-NET conversion adaptor ★ with enclosure kit *4	BRD51A61
	BRD61A61
External control adaptor *1	DTA104A61

*1. DIV-NET and DIII-NET conversion adaptor ★ is required.
*2. For residential use only. Cannot be used with other centralized control equipment.
*3. DTP401A64 is for Thailand market.
DTP401A65 is for Indonesia market.
DTP401A66 is for Singapore market.
*4. Use this model when install DIV-NET and DIII-NET conversion adaptor ★ outside the units.
*5. This option needs Box kit option as the table below.

DIV-NET and DIII-NET conversion adaptor	Box kit option
BRD41A61	KRP1K98A (only for Indoor unit)
BRD42A61	KRP4A93
BRD43A61	KRP4A98A

High-speed data communication makes it possible to connect devices and sensors, and store the large amounts of operating data in the cloud.

This can be used to remotely control the indoor environment for a more comfortable experience, or more energy saving control.
And the data analysis can be used to prepare for regular maintenance and breakdowns.

In the event of trouble due to a disaster or accident, it will also enable remote status checks and setting support, helping to quickly restore the system.

MARUTTO E-Series offers
"the Peace of Mind"
for everyone involved



DIV-NET Communication

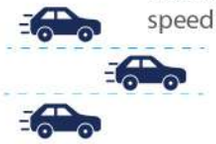
DIV-NET is a newly developed communication platform engineered to achieves high-speed, high-capacity data exchange, enabling real-time monitoring, precise control, and enhanced system scalability.

This advanced communication system enables enhanced control performance and system reliability. It will be adopted progressively with the release of ***VRV*** 7 S systems, which transition to R-32 refrigerant starting in 2025.

Unoptimised data transmission



DIV-NET Faster data transmission speed



Indoor Unit



FXAA-A Wall Mounted Type

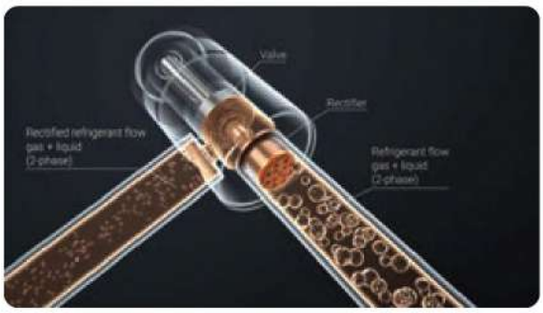
Slim and stylish flat panel design harmonized with your interior decoration

Slim and Stylish Design

FXAA-A : Depth 245 mm

* Compare with FXAQ20-32A





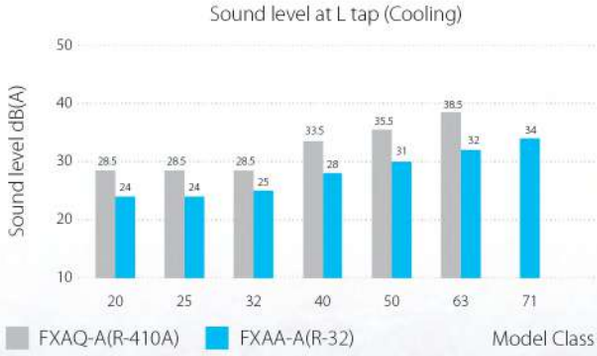
Bubble controlling technology

New motor-operated valve features an integrated rectifying platethat stabilizes refrigerant flow by suppressing turbulence and bubbles, resulting in smoother operation and reduced flow noise.

Lower sound level

- Whisper quiet in operation, with sound levels as low as 24 dB(A)*
- New fan and operate valve with bubble crusher help enable low operation sound.

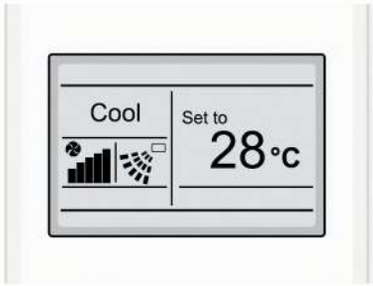
*Sound level for FXAA20~25AVM during cooling operation





5-step airflow control

Control of airflow rate is available up to 5-step.
Auto airflow rate is also available.
This wide range allows you to conveniently control the fan according to your individual needs.

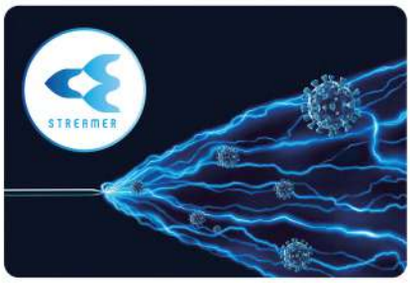


Streamer discharge unit (Option)

Patented Streamer Technology decomposes and removes allergens

Streamer discharge attacks bacteria, mold and virus captured on the filter by irradiating them with an advanced plasma electric discharge.

The streamer function operates automatically without light indication when the air conditioner is on and deactivates when the air conditioner is off.



Air quality filter (Enzyme blue / PM2.5) (Option)



Combination of the Enzyme blue deodorizing filter and the PM 2.5 dust collection filter.

Enzyme blue deodorizing filter traps fine particles, breaks down odors, and deactivates bacteria and viruses. PM2.5 filter removes inhalable particles such as dust, pollen, and mold (≥ 2.5µm).

Wireless remote controller (Option)





Signal receiver



Indoor Unit

FXMA-A Middle-High Static Pressure Duct



Middle and high static pressure allows for flexible duct design

Design Flexibility

Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa* to 200 Pa*.

Adjustable external static pressure

50Pa* **200Pa**

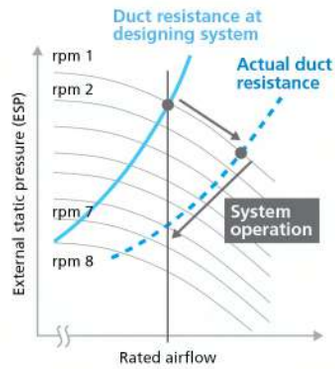
*50 Pa – 200 Pa for FXMA50AVM-125AVM
*50 Pa – 140 Pa for FXMA140AVM

Easy installation

"Airflow rate auto adjustment function" at field setting
(local setting by remote controller)

*This function is not available with FXMA140AVM

Design	Installation	Field setting without "airflow rate auto adjustment function"	Various adjustments are required (Due to excess or deficiency of airflow) e.g. Duct re-construction, Motor replacement, Damper replacement, etc.
Design	Installation	Field setting with "airflow rate auto adjustment function" by remote controller	Innovating Function!



<Mechanism>
1. During field setting, power input of DC fan is detected.
2. External static pressure is estimated from power input of DC fan because PCB of FXMA-AVM has table of external static pressure vs. power input of DC fan.
3. Actual duct resistance is calculated according to 1 and 2.
4. Fan speed is automatically adjusted to produce rated airflow.

Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow. (Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at field setting only.

- All models are only 300 mm in height and the weight of the FXMA50-140AVM has been reduced.
- Drain pump is equipped as standard accessory with 700 mm lift.

Easy Maintenance

Inspection and cleaning is facilitated by separating the drain pipe and inspection opening and by the drain pan maintenance check hole.



Comfort

- Control of the airflow rate can be selected from 5-step control and Auto. Auto airflow rate control can be selected with wired remote controller.

Energy Saving

- DC fan motor is used to realise energy-saving operation.

Cleanliness

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.
*Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

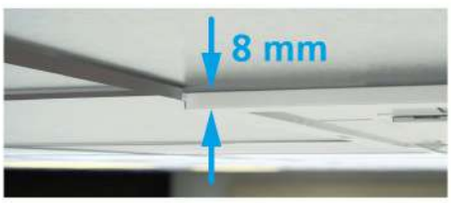


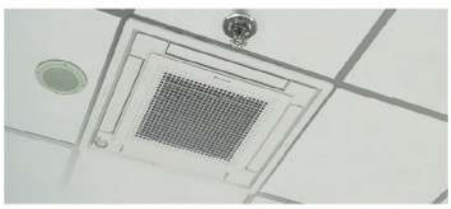
FXZA-A Compact Multi Flow Cassette

Quiet, compact, and designed for user comfort



Compact & Elegant Design





- Fully-flat integration in standard architectural ceiling tiles, leaving only 8 mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white
- The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.

Efficiency & Comfort

Dual sensors (Option)



- Two optional intelligent sensors improve energy efficiency and comfort.
- An optional presence and floor sensor kit can be fitted to the cassette for draught prevention, energy-saving operation and to provide optimal control of airflow.

Individual airflow direction control*

- Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

Auto swing (up/down)

- Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.

Cleanliness

Streamer filter clean unit (Option)

Irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.



STREAMER

BAPWS55A64

Ceiling soiling prevention

- Prevents air from blowing against the ceiling to prevent ceiling stains.

Indoor Unit

FXFSA Round Flow Cassette with Sensing

Comfort and energy saving by sensing function



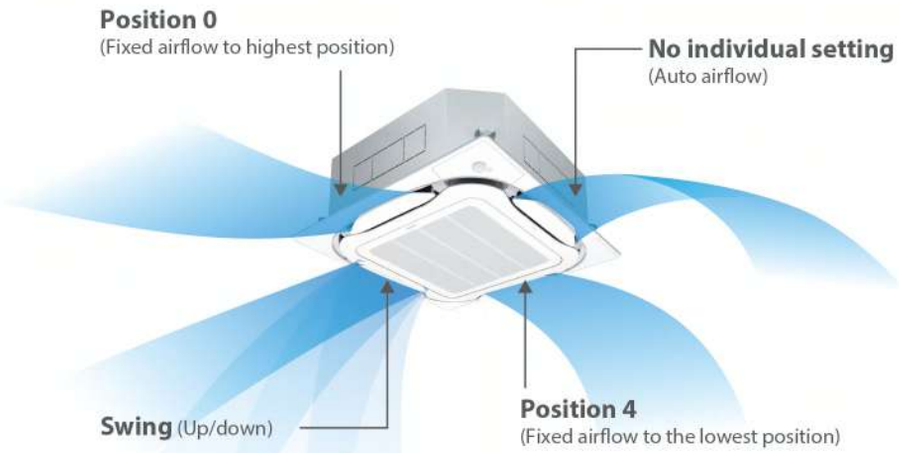
Individual airflow direction control

Comfortable air conditioning for all room layouts and conditions
Easy setting is possible with a wired remote controller
Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

Individual airflow settings

No individual setting (Auto airflow)
Position 0 (Highest point)
Position 1
Position 2
Position 3
Position 4 (Lowest point)
Swing

Individual settings are possible as stated above.



Decoration Panel (Option)

Standard panel with sensing



Standard panel with sensing
BYCA125AEF (Fresh White)



Standard panel with sensing
BYCA125AEK (Black)

New designer panel*

Designer choice has been given a boost with the increase in number of new types of decoration panels.



Designer panel
BYCA125AAPF (Fresh White)

Close to ideal styling
New designer panel

FLAT
Flatter styling:
Suction panel grid texture smoothed.



CLEAN
Clean-cut form:
Soiling is hard to see on smart-looking panel.



ROUND
Subtle distinction:
around suction inlets silvering is a tasteful touch.



Auto grille panel*

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated remote controller for the auto grille panel is included. Operation is not possible using other remote controllers.



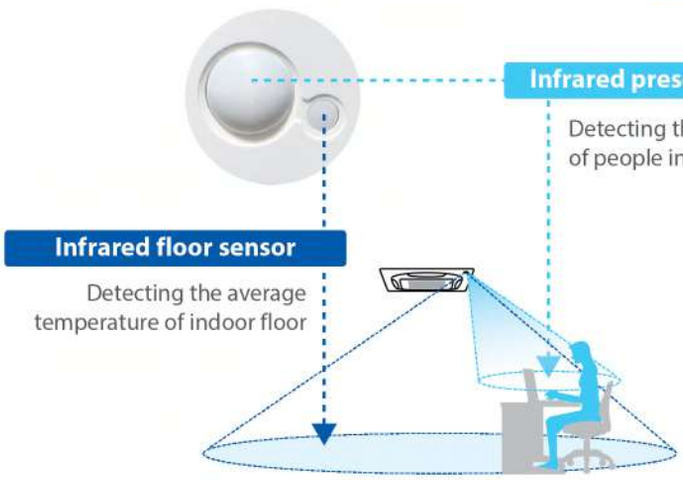
Grille panel can be lowered to a maximum of 3.9 m.
BYCA125AASF (Fresh White)

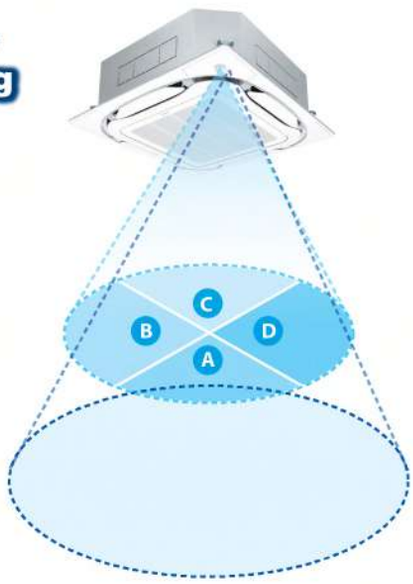
*These panels do not contain the sensing function

Daikin advanced sensing technology dual sensors

Comfort and energy saving by sensing functions

Round flow with sensing





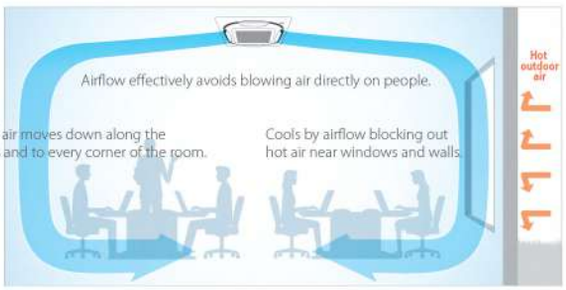
Circulation airflow *1

Circulation airflow cools the entire room to deliver comfort that never feels cold.

Comparison Conditions
Room size: Width 7.5m x depth 7.5m x height 2.6m
Indoor unit capacity: 71 class
Outdoor air temperature: 35°C
Airflow rate and air direction: high / swing

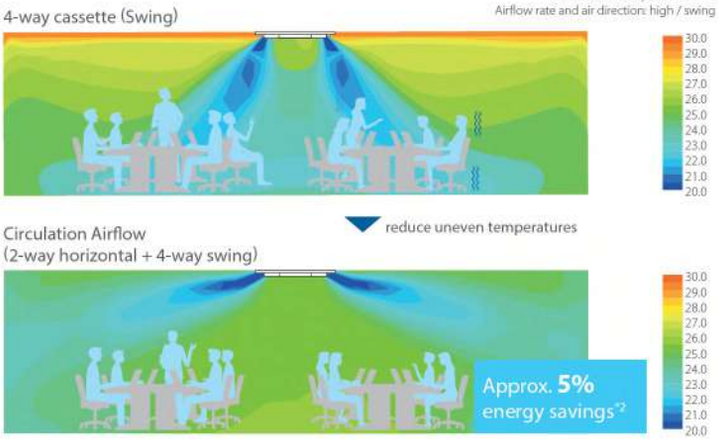
Cooling

During 2-way horizontal flow



Comfort without cold air pockets at floor level.

4-way cassette (Swing)

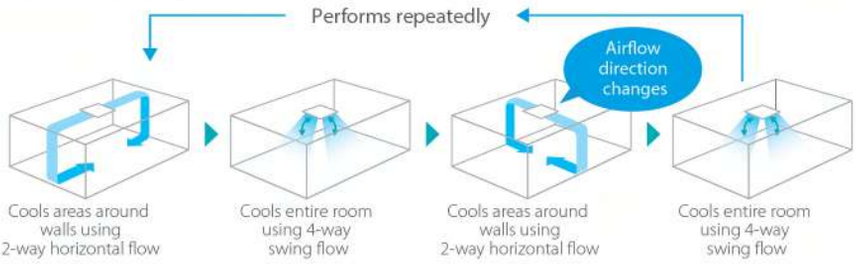


reduce uneven temperatures

Circulation Airflow
(2-way horizontal + 4-way swing)

*2 Calculated under the following comparison conditions:
When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C)

Operation (at start)



When the target temperature is reached, normal operation (all-round flow) begins.

*1 Applicable when wired remote controller BRC1E63 is used.
Conditions apply for the circulation airflow function. Please contact your local sales office for details.

Indoor Unit

FXSA Middle Static Pressure Duct



Middle static pressure and slim design allow flexible installations

Installation flexibility

Slim design

- With a height of only 245 mm, installation is possible even in buildings with narrow ceiling spaces.



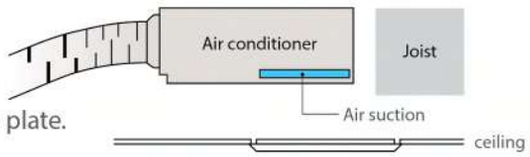


Standard DC drain pump

- DC drain pump is equipped as standard accessory with 850 mm lift.

Bottom suction possible

- Bottom suction is possible which facilitates installation and maintenance. Wiring connections and maintenance of control box can be done from under the unit with an optional shield plate for side plate.



Design flexibility

Adjustable external static pressure

- Using a DC fan motor, the external static pressure can be controlled within a range of 30 Pa* to 150 Pa.



30 Pa–150 Pa for FXSA20-40AVM
50 Pa–150 Pa for FXSA50-125AVM
50 Pa–140 Pa for FXSA140AVM

Comfort

- Control of the airflow rate can be selected from 5-step control. Auto airflow rate control can be selected with wired remote controller.
- Lower sound level: down to 28 dB(A)

Easy maintenance

- Inspection and cleaning is facilitated by separating the drain pipe and inspection opening and by the drain pan maintenance check hole.



Cleanliness

Silver ion anti-bacterial drain pan

- Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.



High-Efficiency Filter comes with anti-mould and antibacterial treatment

Remote Controller

Dedicated for R-32 System

Compatible with DIV-NET

New

Stylish remote controller (Option)



White
BRC1H64W



Black
BRC1H64K

A complete redesigned controller focused to enhance user experience

reddot design award

Special Site

Sleek and stylish design

- Combines refinement and simplicity
- Echoes the distinct blue circle and simplicity of design
- Two attractive colours to match any interior
- Compact, measures only 85 x 85 mm



User-friendly interface

- Just three buttons and a large-figure display
- Customisable display
- Direct access to basic functions (ON/OFF, Operation mode, Temperature setting, Airflow rate, Airflow direction)
- New Dry Cool Operation mode

*Refer to page 7 for more details.

- Timer functions (OFF timer, Weekly schedule timer)
- Simple screen for hotel display



R-32 refrigerant leak alarm function

- When a refrigerant leak detector (indoor unit option) connected to the indoor unit detects refrigerant leak, an alarm is displayed and emits a sound.

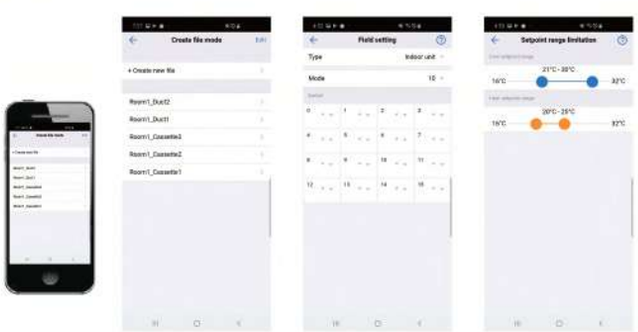
*Refer to page 22 for more details.



Easy setting via smartphone application using Bluetooth® wireless technology (for Installer/Facility manager)

Shorter installation time

- Easy to create multiple remote control and field settings via App
- Prepare a setting in advance at the office and immediately send it to the on-site remote controller
- Save and reuse settings
- Remote update function (OTA: Over The Air)



<App screen image>

Specifications

Outdoor Unit Specifications



MODEL				RSUA7AYMS	RSUA8AYMS	RSUA9AYMS
Power supply				3-phase, 380-415 V/380 V, 50/60 Hz		
Cooling capacity			Btu/h	68,200	76,400	81,900
			kW	20.0	22.4	24.0
Power consumption		Thailand	kW	4.60	5.44	5.91
Capacity control			%	9-100		
Casing colour				Ivory white (5Y7.5/1)		
Compressor	Type			Hermetically sealed swing type for R-32		
	Motor output	Thailand	kW	4.7	5.3	5.4
Airflow rate			m^3/min	155.5		
Dimensions (H×W×D)			mm	1,430×940×320		
Machine weight			kg	118		
Sound level			dB(A)	59		60
Operation range			°CDB	-5 to 52		
Refrigerant	Type			R-32		
	Charge		kg	3.4		
Piping connections	Liquid		mm	ϕ9.5 (Blazing)		
	Gas		mm	ϕ19.1 (Blazing)		

Note: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.
  The sound will be louder than usual when ice has accumulated on the coil of the outdoor unit.
  When there is concern for noise the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.
- Refrigerant charge is required.

Options

Item \ Type	RSUA7AYMS	RSUA8AYMS	RSUA9MS
REFNET header	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch)		
REFNET joint	KHRP26A22T, BHRP26A22TA		
Drain plug	KKPJ5H280		
Air direction adjustment grille	—		
External control adaptor	DTA104A61*1		
R-32 refrigerant leak detector	BRYR55A1, BRYR37A1, BRYR57A1		
R-32 safety shut off valve *2	SVA140A		

*1: DIV-NET and DIII-NET conversion adaptor is required.
*2: The sound of refrigerant flow may be perceived during operation. To avoid potential disturbance, do not install the unit in locations such as hotel guest rooms, bedrooms, or boardrooms.

REFNET joint
(KHRP26A22T, BHRP26A22TA)



Indoor Unit Lineup

R-32 indoor units for residential application to align with New ***VRV*** 7 S series, equipped with the new DIV-NET communication

Type	Model Name			20	25	32	40	50	63	71	80	100	125	140
			Capacity Range	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP
			Capacity Index	20	25	31.25	40	50	62.5	71	80	100	125	140
Round Flow Cassette with Sensing	FXFSA-AVS	VRT smart			●	●	●	●	●		●	●	●	●
Middle Static Pressure Duct	FXSA-AVMS	VRT smart		●	●	●	●	●	●		●	●	●	●
Wall Mounted	FXAA-AVMS*	VRT smart		●	●	●	●	●	●	●	●	●		
Middle-High Static Pressure Duct	FXMA-AV2S*	VRT smart						●	●		●	●	●	●
Compact Multi Flow Cassette	FXZA-AV2S*	VRT smart		●	●	●	●	●						

* This series will be launched in September 2026.Launching period may be subject to revision without prior notice.



Specifications | FXFSA-A

MODEL*1			FXFSA25AVS	FXFSA32AVS	FXFSA40AVS	FXFSA50AVS	FXFSA63AVS	FXFSA80AVS	FXFSA100AVS	FXFSA125AVS	FXFSA140AVS
Power supply			1 phase, 220 V, 50 Hz								
Cooling capacity		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.028		0.035	0.056	0.061	0.092	0.164	0.170	0.194
Casing			Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)		m^3/min	13/12.5/11.5/11/10		17/13.5/12.5/12/11	23/20.5/19/14.5/11	23.5/21/20/16/13.5	24.5/22/20.5/20/15	33.5/30.5/27/23.5/21	34.5/31.5/28.5/25.5/23	35.5/32.5/29.5/26.5/23
		cfm	459/441/406/388/353		600/477/441/424/388	812/724/671/512/388	830/741/706/565/477	865/777/724/706/530	1,183/1,077/953/830/741	1,218/1,112/1,006/900/812	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)		dB(A)	30/29.5/28.5/28/27		35/29.5/29/28/27	38/35/34.5/29.5/27	38/36/35.5/31.5/28	39/37/36/35.5/31	44/41/38/35/33	45/42.5/39.5/37/35	46/43.5/40.5/38/35
Dimensions (H×W×D)		mm	256×840×840						298×840×840		
Machine weight		kg	19			24	22		25		26
Piping connections	Liquid (Flare)	mm	ϕ6.4						ϕ9.5		
	Gas (Flare)		ϕ12.7						ϕ15.9		
	Drain*2		VP25 (External Dia. 32/Internal Dia. 25)								

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

*1: FXFSA25AVMG (For Singapore) is a Nominal Model for testing only. Not for sale.
*2: For FXFSA-AVS External dia. 34.

Specifications

Specifications | FXSA-A



MODEL			FXSA20AVMS	FXSA25AVMS	FXSA32AVMS	FXSA40AVMS	FXSA50AVMS	FXSA63AVMS	FXSA80AVMS	FXSA100AVMS	FXSA125AVMS	FXSA140AVMS
Power supply			1 phase, 220 V, 50 Hz									
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption*1		kW	0.058		0.066	0.101	0.075	0.106	0.126	0.151	0.206	0.222
Casing			Galvanised steel plate									
Airflow rate (H/HM/M/ML/L)		m^3/min	9/8.3/7.5/7/6.5		9.5/8.8/8/7.5/7	15/13.8/12.5/11.5/10.5	17/15.7/14.5/13/11.5	21/19.3/17.5/16/14.5	23/21.3/19.5/17.8/16	32/29.5/27/24.7/22.5	37/33.9/31.5/28.4/26	39/36.3/33.5/30.8/28
		cfm	318/293/265/247/229		335/311/282/265/247	530/487/441/406/371	600/554/512/459/406	741/681/618/565/512	812/752/688/628/565	1,130/1,041/953/872/794	1,306/1,197/1,112/1,003/918	1,377/1,281/1,183/1,087/988
External static pressure*2		Pa	30-150 (50)				50-150 (50)					50-140 (50)
Sound level (H/HM/M/ML/L)		dB(A)	33/31.5/30/29/28		34/33/32/31/30	36/34.5/33/31.5/30	34/33/32/30.5/29	36/34/32/30.5/29	37.5/36/34/32/30	39/37/35/33.5/32	42/40.5/38.5/37/35	43/41.5/40/38/36
Dimensions (H×W×D)		mm	245×550×800			245×700×800	245×1,000×800			245×1,400×800		245×1,550×800
Machine weight		kg	25			27	35		37	46	47	52
Piping connections	Liquid (Flare)	mm	ϕ6.4							ϕ9.5		
	Gas (Flare)		ϕ12.7							ϕ15.9		
	Drain		VP25 (External Dia. 34/Internal Dia. 25)									

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

*1: Power consumption values are based on conditions of rated external static pressure.
*2: External static pressure is changeable in 13 stages (20-40 class), 11 stages (50-125 class), 10 stages (140 class) by remote controller.

Specifications | FXMA-A



MODEL			FXMA50AV2S	FXMA63AV2S	FXMA80AV2S	FXMA100AV2S	FXMA125AV2S	FXMA140AV2S
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz					
Cooling capacity		Btu/h	19,100	24,200	30,700	38,200	47,800	54,600
		kW	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption (Cooling/Heating)		kW	0.131/0.131	0.151/0.151	0.210/0.210	0.264/0.264	0.350/0.387	0.501/0.478
Casing			Galvanised steel plate					
Airflow rate (H/HM/M/ML/L)		m^3/min	18.0/17.3/16.5/15.8/15.0	19.5/18.5/17.5/16.8/16.0	25.0/23.8/22.5/21.2/20	32.0/29.6/27.0/25.0/23.0	39.0/36.0/33.0/30.5/28.0	46.0/42.4/39.0/35.4/32.0
External static pressure		Pa	50-200 (100) *2					50-140 (100) *2
Sound level (H/HM/M/ML/L)		dB(A)	41.0/40.0/39.0/38.0/37.0	42.0/41.0/40.0/39.0/38.0	43.0/42.0/41.0/40.0/39.0	43.0/42.0/41.0/40.0/39.0	44.0/43.0/42.0/41.0/40.0	46.0/45.5/45.0/44.0/43.0
Dimensions (H×W×D)		mm	300×1,000×700			300×1,400×700		
Machine weight		kg	35			45		46
Piping connections	Liquid (Flare)	mm	ϕ 6.4			ϕ 9.5		
	Gas (Flare)		ϕ 12.7			ϕ 15.9		
	Drain		VP20 (External Dia. 32/Internal Dia. 25)					

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5m, Height difference: 0m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

*1: Power consumption values are based on conditions of rated external static pressure.
*2: External static pressure can be modified using a remote controller that offers fourteen (FXMA50-125AVM) or ten (FXMA140AVM) levels of control.
These values indicate the lowest and highest possible static pressures. The rated static pressure is 100 Pa for FXMA50-140AVM.

Specifications | FXAA-A



MODEL			FXAA20AVMS	FXAA25AVMS	FXAA32AVMS	FXAA40AVMS	FXAA50AVMS	FXAA63AVMS	FXAA71AVMS
Power supply			1-phase, 220-240 V/220-230 V, 50 Hz						
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	27,300
		kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
Power consumption		kW	0.012	0.012	0.020	0.030	0.020	0.040	0.068
Casing			White N9.5						
Airflow rate (H/HM/M/ML/L)		m^3/min	7/6.6/6.2/ 5.7/5.3	8/7.4/6.8/ 6.1/5.5	10/9.2/8.3/ 7.2/6.5	13.5/11.7/11/ 9.4/7.7	14/13/12/ 11/10	18/16.5/14.9/ 13.2/11.8	19.5/18.1/16.7/ 15.3/13.8
		cfm	247/233/219/ 201/187	282/261/240/ 215/194	353/325/293/ 254/229	477/413/388/ 332/272	494/459/424/ 388/353	635/582/526/ 466/417	688/639/590/ 540/487
Sound level (H/HM/M/ML/L)		dB(A)	28.5/27/26/ 25/24	29/28/26/ 25/24	34/31/29/ 26/25	41/37/35/ 31/28	39/37/35/ 32/31	41/39/37/ 34/32	47/44/39/ 37/34
Dimensions (H×W×D)		mm	295×858×245				295×1,120×245		
Machine weight		kg	12				16		
Piping connections	Liquid (Flare)	mm	ϕ6.4						
	Gas (Flare)		ϕ12.7						
	Drain		VP14 (External Dia. 16, Internal Dia. 14)						

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details)
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications | FXZA-A



MODEL			FXZA20AV2S	FXZA25AV2S	FXZA32AV2S	FXZA40AV2S	FXZA50AV2S
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz				
Cooling capacity		Btu/h	7,500	9,600	12,500	15,400	19,100
		kW	2.2	2.8	3.6	4.5	5.6
Power consumption	Cooling	kW	0.043		0.045	0.059	0.092
Casing			Galvanised steel plate				
Airflow rate (H/HM/M/ML/L)		m^3/min	8.7/8.1/7.5/7.0/6.5	9.0/8.5/8.0/7.2/6.5	10.0/9.3/8.5/7.8/7.0	11.5/10.5/9.5/8.8./8.0	14.5/13.6/12.5/11.4/10.0
Sound level (H/HM/M/ML/L)		dB(A)	32.0/30.5/29.5/27.5/25.5	33.0/31.5/30.0/27.5/25.5	33.5/32.0/30.0/28.0/26.0	37.0/34.5/32.0/30.0/28.0	43.0/42.5/40.0/36.5/33.0
Dimensions (H×W×D)		mm	260×575×575 (For depth add 63 mm for electrical box)				
Machine weight		kg	16.0		16.5		19.0
Piping connections	Liquid (Flare)	mm	ϕ 6.4				
	Gas (Flare)		ϕ 12.7				
	Drain		VP20 (External Dia. 26/Internal Dia. 20)				

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5m, Height difference: 0m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

R-32 Safety Measure

There are cases that require safety measure

To Use *VRV* 7 S Series Safely
R-32 refrigerant offers higher operating performance compared to R-410A, but since it is slightly flammable, proper handling is required. According to IEC 60335-2-40 Edition 7, additional safety measures may be necessary depending on the operating conditions.

Enhanced Safety for Peace of Mind
In the case of a refrigerant leak, accumulated refrigerant gas inside the room may pose a safety risk. Daikin supports essential safety measures such as leak detection, alarms, and a safety shut-off valve (SSOV), along with a comprehensive inspection process to ensure safe operation.

SHÎRUDO TECHNOLOGY

Shîrudo is Daikin's exclusive safety standard designed for R-32 systems, providing enhanced protection and total peace of mind.

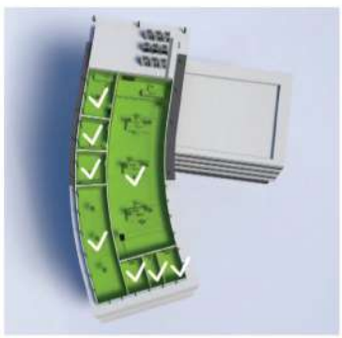
How to consider ?

Considerations for R-32 Refrigerant Safety
R-32 refrigerant is heavier than air and tends to accumulate near the floor, making lower levels more critical in terms of safety design.
The safety measures may vary depending on the room's size, type of the indoor unit and its installation position.

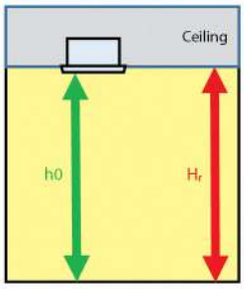
1. Is the room located at **the lowest underground level** of the building?
2. **Effective height of** the room
3. Air volume of the room (**Room area** × effective height)
4. **Total refrigerant amount** in the system

How to check ?

Example of Required Safety Measures Based on Room Area and Refrigerant Charge Amount
The graphs below illustrate the examples of safety measures based on room area and refrigerant charge amount, assuming a cassette-type indoor unit with a ceiling height of 2.2 meters.
Requirements may vary depending on the specific installation conditions.
For more details, please contact your local sales office.

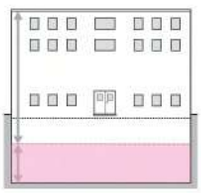


In case of the effective height is 2.2 m



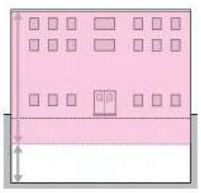
h0 = Installation height

Hr = Effective height
Varies by the indoor unit type and room height conditions



Lowest underground





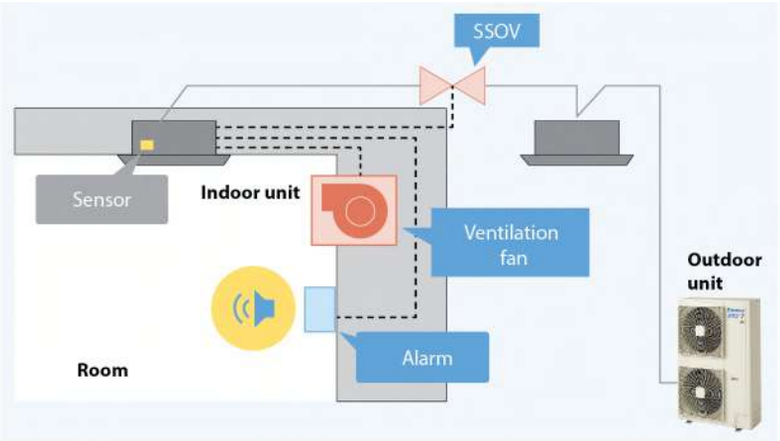
All other floors





Where to install ?

In rooms where safety measures are deemed necessary based on the criteria, sensors must be installed in all indoor units in the room, along with one or two additional safety devices selected as required. These devices must then be properly integrated to operate in coordination.



As all mechanical joints in the Daikin system comply with ISO14903, they effectively prevent leakage.



The safety shut-off valve (SSOV) compiles with the Shîrudo standard and SSOV itself does not need a leak detection sensor.



The mechanical joints and the SSOV are no worry of the refrigerant leak.
The sensor is necessary only for indoor unit body part.

What devices ?

Sensor
BRYR55A1 (for FXFSA-A)
BRYR37A1 (for FXSA-A)
BRYR57A1 (for FXAA-A)



- It can detect 25% of lower flammable limit (LFL).
- Designed to remain effective beyond the air conditioner system, ensuring long-term reliability.
- Warning when approaching the end of life.

Alarm
BRC1H64W/K



- Both audible/visible warning
- The alarm sound level is at 65 dB(A).
- The alarm sound level should be at least 15 dB(A) higher than the background noise. An extra alarm may be required if the room noise exceeds 65 dB(A).

SSOV
SVA140A



Compact design that can be installed even in narrow ceiling spaces.
Dimensions (H x W x D): 192 x 296 x 389 mm

Adaptor PCB
BRP9A71 (for FXFSA-A)
BRP9A73 (for FXSA-A)



+ Ventilation



Adaptor PCB is able to interlock the sensor and external ventilation equipment, such as fans.

R-32 Safety Measure

Safety Devices System Configuration

In the case the safety measures are required, the safety devices should be connected appropriately to the indoor units. The safety devices are DIV-NET compliant, can be connected directly.

VRV R-32 indoor unit



DIV — **BRYR55A1** (for cassette)
BRYR57A1 (for wall mounted)
BRYR37A1 (for duct)



Sensor
Required

DIV — **BRC1H64W/K**



Alarm
Required or selectable depending on the case*

DIV — **SVA140A**



Safety shut-off valve
Selectable

DIV — **BRP9A71** (for cassette)
BRP9A72 (for wall mounted)
BRP9A73 (for duct)
Adaptor PCB



- Air Ventilation unit —  Selectable
- External alarm — 

*Required when two safety measures are required and selectable when one safety measure is required.



Memo

Warning

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

Notice

- About harmonics, since this product is equipped with an inverter, harmonics will be generated. If local laws require the suppression of harmonics on the building, please take harmonic suppression measures on the electrical equipment side. Please contact your local sales company for details.

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

Cautions on product corrosion

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

SIAM DAIKIN SALES CO.,LTD.
22 Soi Onnuch 55/1
Pravet Subdistrict, Pravet District,
Bangkok 10250

Tel.1271 press 5

VRV is a trademark of Daikin Industries, Ltd.
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."

Specifications, designs and other content appearing in this brochure are current as of November 2025 but subject to change without notice.

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