Библиотека СОК

Light Commercial & Commercial, Residential

VRF

VRF systems provide air conditioning solutions that meet the requirements of a diverse range of buildings.

V-002 VRF series Overview
V-004 Features

R32 VRF Outdoor unit

VRF J series
Heat Pump for Small-capacity type
V-026 VRF J-VS
V-032 VRF J-V
V-038 VRF J-VL

VRF V series
Heat Recovery Modular type
Heat Pump Modular type
V-042 VRF VU-V

R32 VRF Indoor unit
V-058 VRF Indoor Unit Lineup for J-VS, J-V, J-VL, VU-V

R410A VRF Outdoor unit

VRF J series
Heat Pump for Small-capacity type
V-094 VRF J-IVS
V-098 VRF J-IV
V-102 VRF J-IVL

VRF V series
Heat Recovery Modular type
V-108 VRF VR-IV

Heat Pump Modular type
V-118 VRF V-IV

R410A VRF Indoor unit
V-126 VRF Indoor Unit Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV



VRF

Light Commercial
& Commercial,
Residential

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

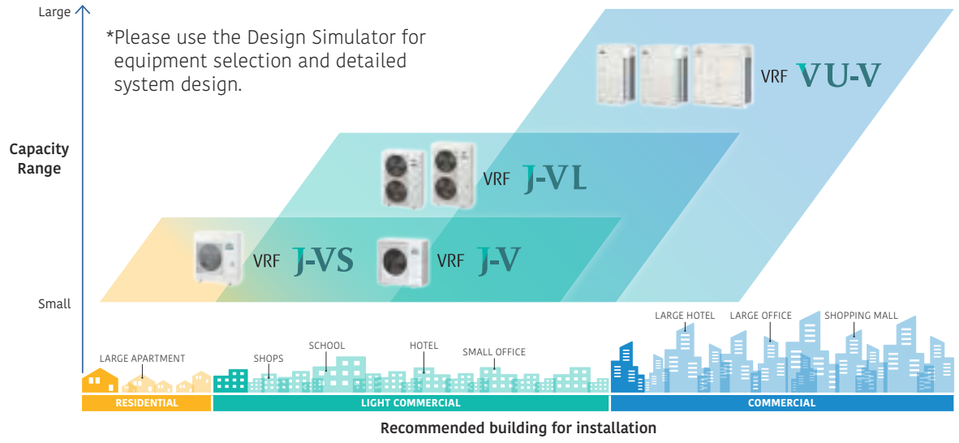
GENERAL HVAC Solutions Euro GmbH participates in the ECP program for VRF. Check ongoing validity of certificate: www.eurovent-certification.com

VRF Series Overview

Recommended VRF products for various buildings

Series/Type	System Outline	Recommended Buildings for Installation
NEW VRF **J-VS** Maximum 6 HP Heat Pump 	The J-VS boasts top-class energy efficiency and a compact design, allowing it to be installed in a limited and narrow space without being conspicuous. Indoor unit connectable up to 130%. • Sustainable (R32) • Saving CO2 • Small Body • Situational Piping Design • Sightliness installation • A new three-phase type has been added	V-026-031
NEW VRF **J-V** Maximum 6 HP Heat Pump 	The J-V Series uses R32 refrigerant, making it easy to install at sites that require safety measures. All 4, 5, and 6 HP models feature a compact, single-fan outdoor unit, offering greater flexibility in installation locations. • Sustainable (R32) • Built in shut off valve • Easy installation • Extended piping length • Compact chassis design • Flexible system configuration for small and midsize buildings	V-032-037
NEW VRF **J-VL** Maximum 18 HP Heat Pump 	The J-VL is an outdoor unit with a slim design. With a maximum connection capacity of 42 indoor units (18 HP), it is well-suited for installation in hotels and similar facilities. • Sustainable (R32) • Slim Outdoor Unit • Small room application • High energy saving • High energy saving • Supports higher external static pressure installation up to 60 Pa • 5-step low noise mode	V-038-041
NEW VRF **VU-V** Maximum 44 HP Heat Pump & Heat Recovery 	The VU-V delivers high performance and efficiency, a wide range of operating conditions, enhanced design and installation flexibility, increased overall system capacity, and improved comfort. Extensive lineup from 8 HP to 44 HP with the capacity ratio of indoor units connectable up to 150%. • Sustainable (R32) • Select system type according to the application • Up to 22 HP available with a single unit installation • High design flexibility for placement in any building	V-042-055

VRF Product Simplified Selection Method



Recommended building for installation

Series	System Outline	Recommended Buildings for Installation
VRF **J-IVS** Maximum 6 HP Heat Pump 	The J-IVS features a compact 998 mm design that doesn't obstruct your view and can be installed under high windows without issue, making it ideal for large residences and retail stores. The indoor unit can be connected at up to 130% capacity. • Spaces saving and low sound level design • Flexible system configuration for homes, stores, and small buildings	V-094-097
VRF **J-IV** Maximum 6 HP Heat Pump 	The J-IV is connectable with up to 14 indoor units (Indoor unit connectable up to 150%) making it suitable for commercial facilities housing a number of small stores. • High energy efficiency • Flexible system configuration for small and midsize buildings	V-098-101
VRF **J-IVL** Maximum 18 HP Heat Pump 	The J-IVL is an outdoor unit with a slim design. Its flexibility in installation makes it ideal for midsize office buildings and hotels. With the newly added 14/16/18 HP models, up to 42 indoor units* are connectable, making them ideal for hotels and educational facilities with many rooms. • Slim Outdoor Unit • Small room application • Class-leading Low Operating Sound	V-102-107
VRF **VR-IV** Maximum 48 HP Heat Recovery 	The VR-IV is an extensive lineup from 8 HP to 48 HP with the capacity ratio of indoor units connectable up to 150%. The Heat Recovery System allows mode switching for each room according to the environment. • Simultaneous cooling and heating operation using a single refrigerant system • Annual cooling operation • Accommodating changes in temperature difference	V-108-117
VRF **V-IV** Maximum 48 HP Heat Pump 	The V-IV is available in a wide range of models from 8 to 48 HP in 2 HP increments, with the capacity ratio of indoor units connectable up to 150%. • Excellent energy saving • High design flexibility for placement in any building • Easy installation and maintenance	V-118-123



Design Simulator

To install air conditioning in each room, suitable indoor and outdoor units must be selected based on heat load and total capacity. Remote controls, converters, and optional designs may be needed to meet standards. The “Design Simulator” PC software simplifies equipment selection, system drawings, and estimates.

For more information



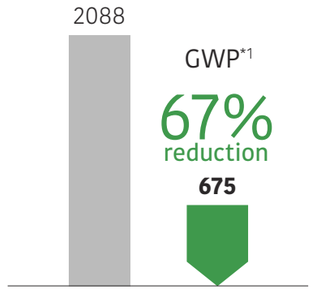
R32 Features

Sustainable



Low GWP to A Wide Range of Projects

We are continuously working to develop products that use R32 refrigerant and have R32 products in all product categories in our lineup (Split, Multi-Split, VRF, and ATW).
This allows us to realize environmentally and regulatory friendly system designs for a wide range of projects from residential to light commercial.



R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

*1 **GWP (Global Warming Potential):** a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO2.



Efforts and Evaluation of CO2 Emissions Reduction

GENERAL HVAC Solutions UK Limited (GUK) has earned Embodied Carbon* Verification (ECV TM65) for its award-winning J-VS Mini VRF R32 series. TM65 is a third-party certification in the UK that calculates the embodied carbon—CO2 emissions generated during the manufacturing, transportation of products and Operational life cycle.

Based on the assessment standards set by the Chartered Institution of Building Services Engineers (CIBSE), it serves as a key indicator for customers when selecting equipment.

It drives improvements in our manufacturing processes, supports lifecycle impact assessment, and allows architects and engineers to make informed, sustainability-focused decisions for net-zero design.

*Embodied carbon refers to the total CO2 emissions associated with all stages of a product's lifecycle, including material sourcing, transportation, installation, and disposal.



Actual certificate



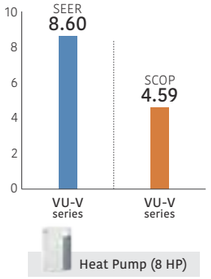
High-Efficiency



High-efficiency is achieved significantly by the use of a scroll compressor, inverter technology, and a large heat exchanger.



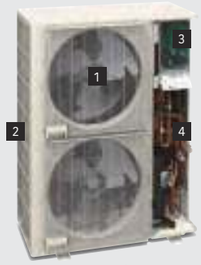
NEW Scroll compressor



* These specifications are determined by cassette combination.

High-Efficiency Design with Top-Class SEER/SCOP

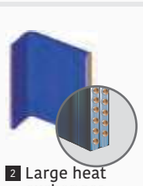
All the VRF series have DC technology to achieve high-efficiency operation. This enhances the durability and reliability of the VRF series.



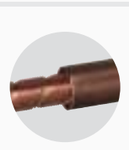
J-VL series



J-VS series



1 DC fan motor



3 DC invertor control

2 Large heat exchanger

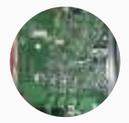
4 Subcooling heat exchanger



VU-V series



1 3-phase DC fan motor



3 Sine-wave DC invertor control



2 Powerful large propeller fan



4 Subcooling heat exchanger

Design Flexibility

Class-Leading Compact Design

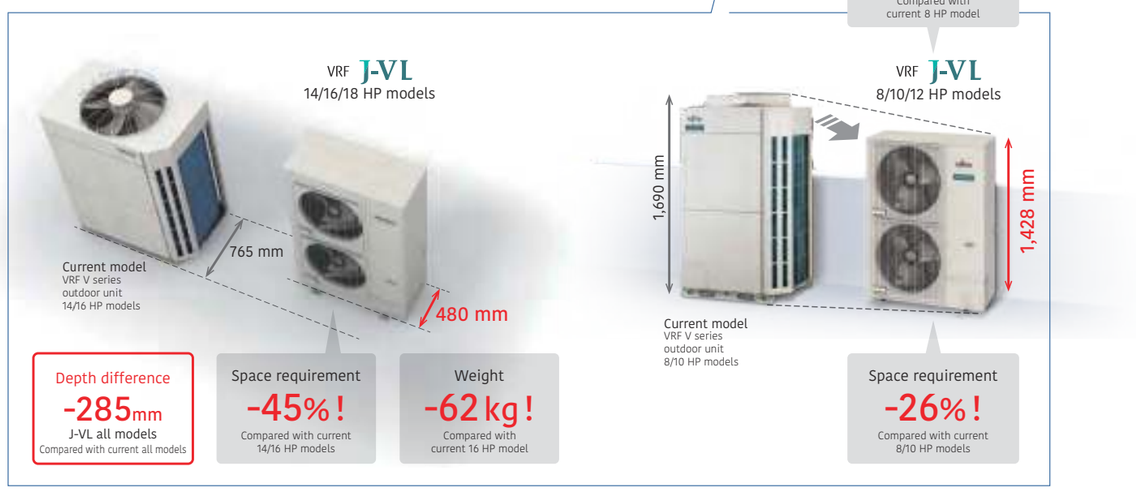
An industry-leading compact outdoor unit with optimal airflow pattern design.
(Up to 18 HP)



J-VS outdoor units in this series are much more compact than conventional outdoor units of comparable capacity. They can be installed on a balcony, fitting below the height of the railing. With a height of less than 1 m, they can be installed in tight spaces such as under windows.



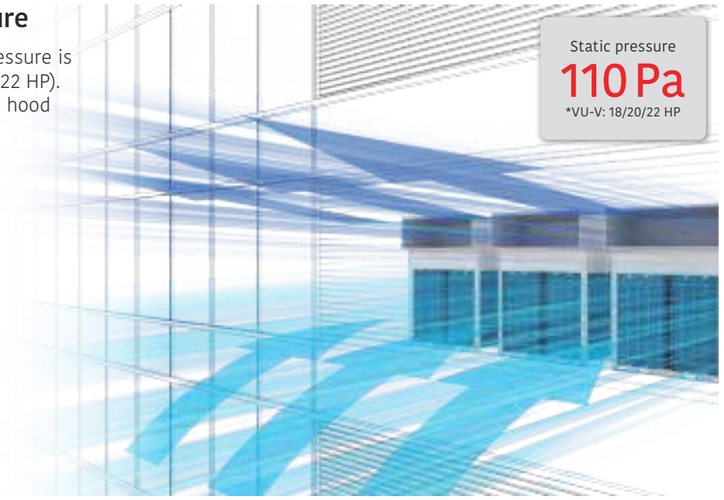






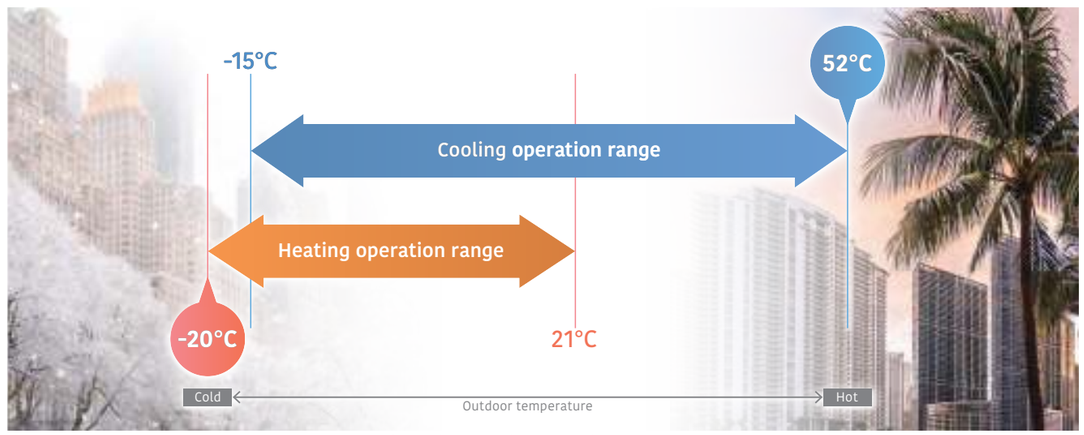
High external static pressure

The outdoor unit's external static pressure is adjustable up to 110 Pa (VU-V: 18/20/22 HP). This facilitates mechanical room and hood installations.



Extended operating range for ambient temperature

Extended operable ambient temperature enables an offer to different regions with different temperature condition.



*Operating temperature range for standalone VU-V heat pumps. The cooling operating temperature range for combination heat pumps is –5°C to 52°C.



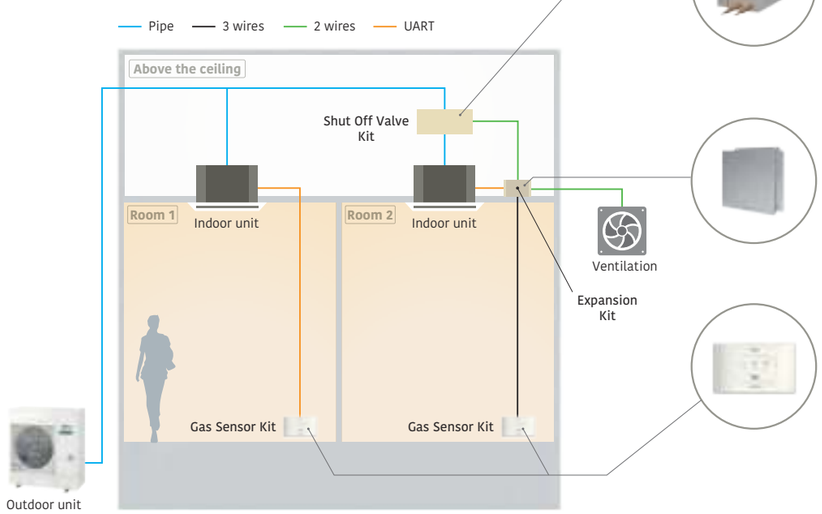
Safety Measures

The environment requiring safety measures is determined by the size of the room in relation to the amount of refrigerant required. You can select refrigerant leak safety measures tailored to each operating environment.

CASE 1 When using the optional gas sensor

The optional gas sensor kit includes a refrigerant leak detector compatible with R32 refrigerant. The system is designed to meet the environmental safety requirements specified in the IEC 603352-40 standard for the use of R32 refrigerant.

Operating flow example



Shut Off Valve Kit
UTP-GX027A, UTP-GX060A, UTP-GX090A
Block the path to prevent refrigerant flow in the event of a refrigerant leakage.
*The J-V model features a built-in shut-off valve.

Expansion Kit
UTZ-JXXA
Used to comply with installation & product safety standards related to R32 refrigerant.
*Please refer to the manuals for details of the system design. required.

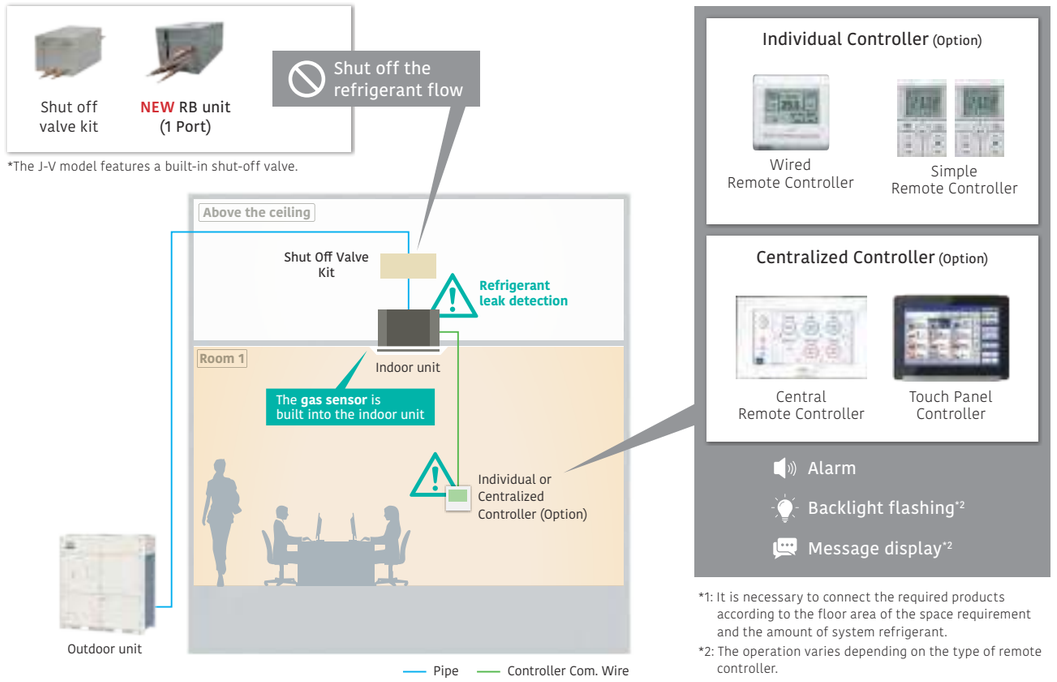
Gas Sensor Kit
UTY-SGZY / UTY-SGZYZ1*
Gas Sensor Kit used to ensure standards compliance and safety when R32 VRF products are installed.
*Direct connection of the gas sensor kit to the indoor unit requires the UTY-XWZXZL connection cable.

CASE 2 When using the indoor unit as a sensor

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. (Some indoor units require optional purchase.) Depending on the conditions of the room where the indoor unit is installed, countermeasures can be implemented using detection equipment.*1

When activated, the refrigerant leak detector triggers the “Shut off valve kit” and “Wired Remote Controller” to operate simultaneously. This notifies the user or administrator of a refrigerant leak while simultaneously stopping refrigerant circulation.

Operating flow example



*1: It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant.
*2: The operation varies depending on the type of remote controller.



R32 & R410A Features

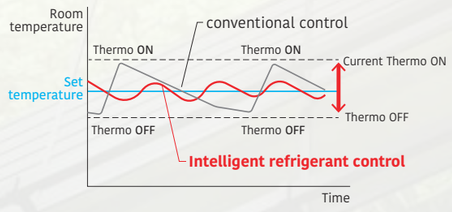
Intelligent Refrigerant Control

General is proposing outdoor units equipped with refrigerant control function. The refrigerant control operates with subtle control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.



The outdoor unit provides sufficient capacity to meet the demands of the indoor unit.

* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.



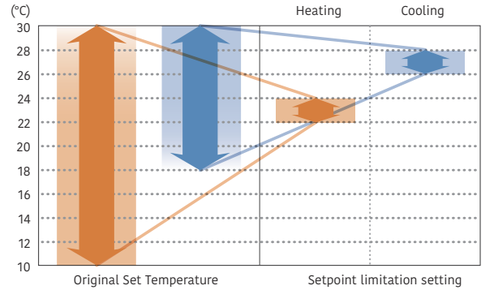
The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.

High-Efficiency

Efficient Control of Operation

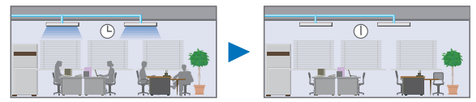
Setting Temperature Range Limitation

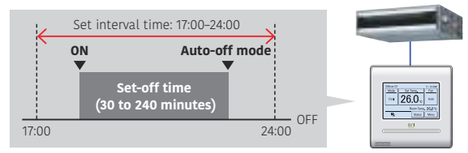
Sets the minimum and maximum limits on room temperature to establish an optimum balance between energy-saving performance and a comfortable environment.



Auto-Off Timer

The wired remote controller is equipped with an auto-off timer function that automatically stops operation after a fixed period of time has elapsed from the start of operation to avoid wasting energy. The function also allows you to set the interval for stopping operations.



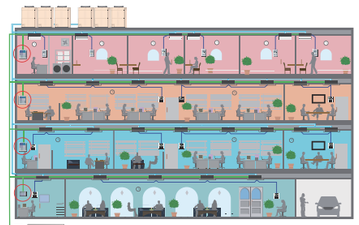


Energy-Saving Management

A variety of energy-saving operations can be set and managed depending on the season, climate, and time period. Excellent energy-saving operation using the system controller.



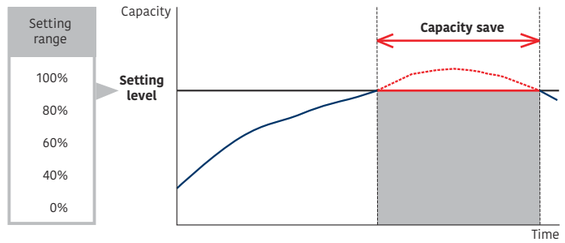
Screen image shows Energy Manager software (option)



System Controller

Capacity-Saving Mode

Operation capacity can be reduced in 5 steps from the rated capacity. This mode cuts down on peak power consumption and eases the maximum load on the unit.





More Comfort

Auto Changeover

In Auto setting, the air conditioner switches between cooling and heating modes automatically according to the set temperature and the room temperature.

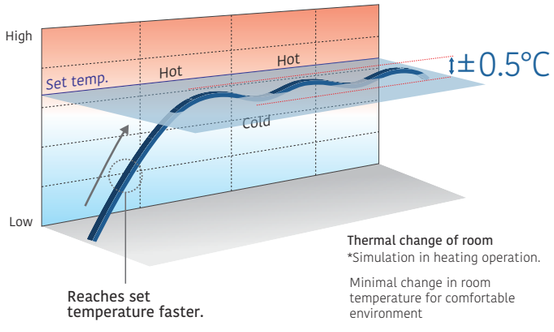
Auto changeover settings enable the indoor unit to easily switch between cooling and heating regardless of the operating mode of other indoor units. These settings can be made using a wired remote controller for a specific indoor unit. Provides a comfortable environment all year round.

Automatic cooling/heating operation for each room is possible

Switching between cooling and heating modes using a specific remote control in the main room or other rooms

Precise Control of Refrigerant Flow

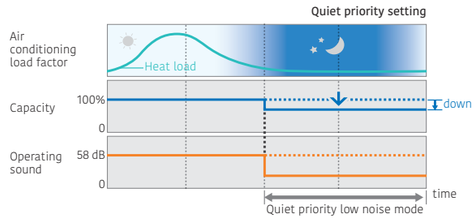
The combination of DC inverter control and individual control of electronic expansion valves of an indoor unit enables precise and smooth control of the refrigerant flow. This means the room temperature can be set in increments of 0.5°C.

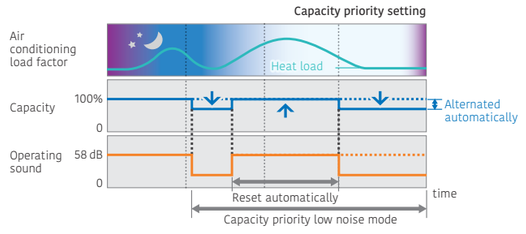


Quiet Operation

Quiet Operation

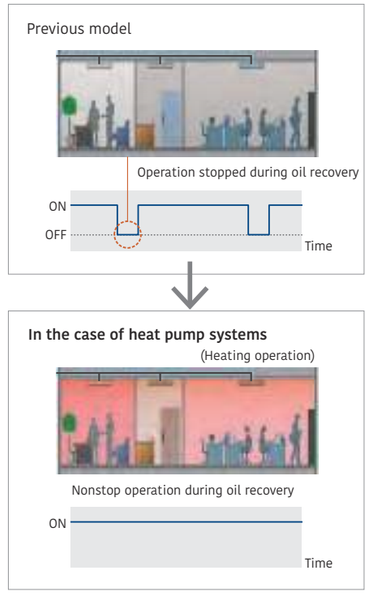
Two low noise modes can be switched over automatically between one in which low noise is prioritized over performance, and the other in which performance is prioritized over low noise, depending on the room temperature and outdoor temperature. This feature can be controlled by external input from the outdoor unit or a system controller.





Non-Stop Oil Recovery Operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.

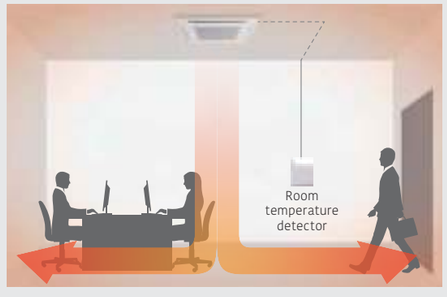


Switching Room Temperature Sensing Position for Improved Heating Comfort (Option)

The optional Remote Sensor Kit (UTY-XSZXZ1) can be connected to the indoor unit to improve comfort by installing the unit at a height appropriate for the living environment.

Connectable products



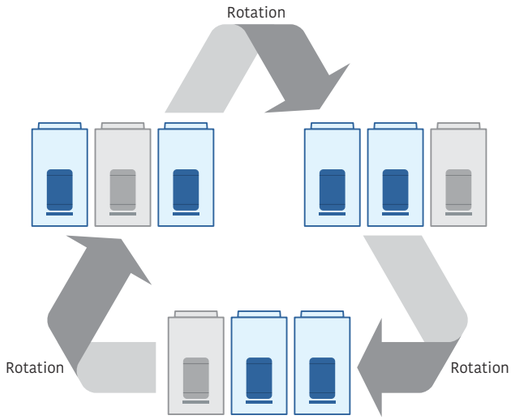


High Reliability

Outdoor Unit Rotation

The compressor starting order is rotated to equalize the cumulative running time of each unit.



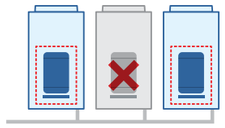


The start and stop timings are alternated among connected compressors.

Backup Operation

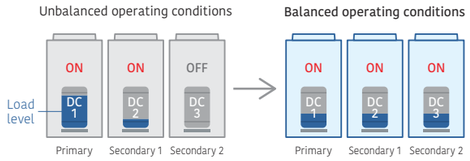
If one compressor fails, the other compressors will initiate backup operation*.

Note: Backup operation may not be possible depending on the cause of failure.



Advanced Refrigerant Control

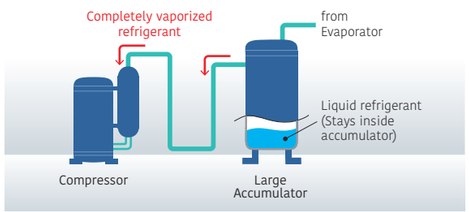
Compressor control logic controls the inverter speed to balance the mass airflow rate of refrigerant in each outdoor unit.



*VU-V can be connected up to two units.

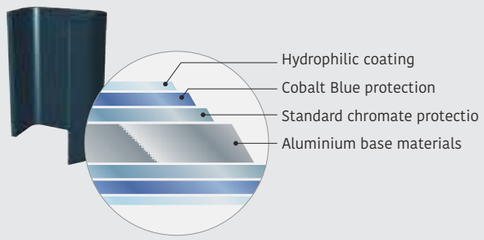
Protection Against Liquid Flowback

The use of a large accumulator means that refrigerant that has not been completely vaporized stays inside the accumulator to ensure no liquid refrigerant is fed into the compressor.



Blue Fin Heat Exchanger

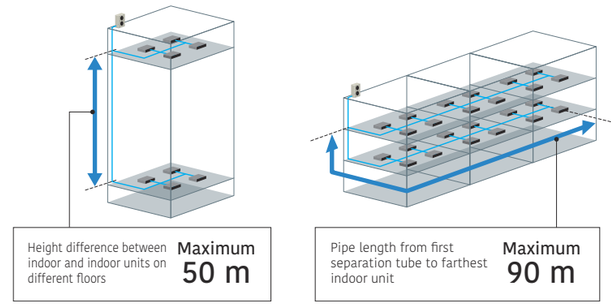
The anti-corrosion blue fin treatment is applied to the heat exchanger of the outdoor unit.



Design Flexibility

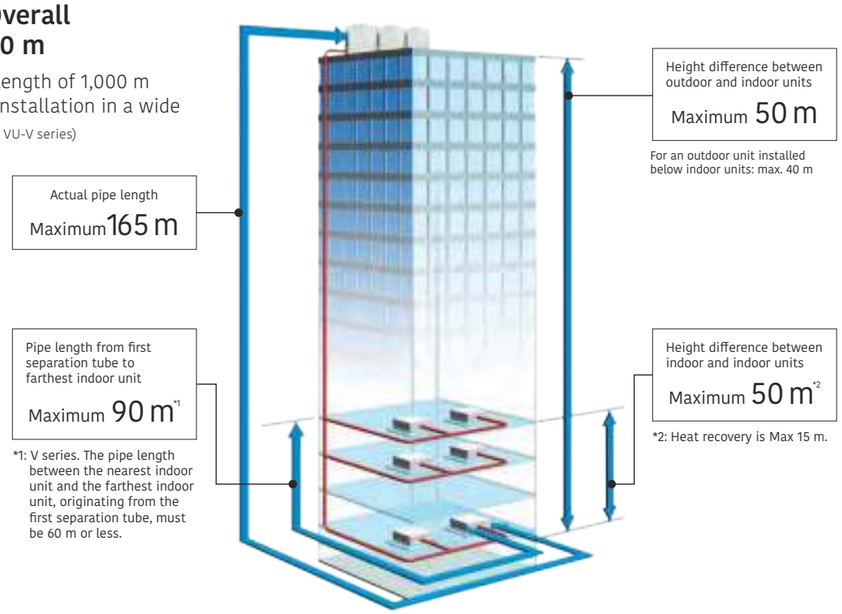
Long Pipe Design

Pipe design suitable for long and narrow office buildings with elevation differences and low-rise stores with long distances (VRF J-VL series)



Max. Allowable Overall Pipe Length: 1,000 m

The class-leading pipe length of 1,000 m increases flexibility of installation in a wide variety of buildings. (VRF VU-V series)



*1: V series. The pipe length between the nearest indoor unit and the farthest indoor unit, originating from the first separation tube, must be 60 m or less.

*2: Heat recovery is Max 15 m.

High-Capacity Connection

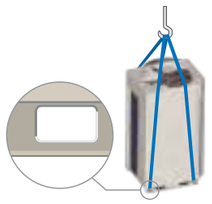
		Connectable indoor unit capacity range	Connectable indoor units
VRF J-VS series Heat pump type	VRF J-IVS series Heat pump type	50% to 130%	up to 13*3
NEW VRF J-V series Heat pump type	VRF J-IV series Heat pump type	50% to 150%	up to 14*3
VRF J-VL series 8/10/12 HP Heat pump type	VRF J-IVL series 8/10/12 HP Heat pump type	50% to 150%	up to 30*4
VRF J-VL series 14/16/18 HP Heat pump type	VRF J-IVL series 14/16/18 HP Heat pump type	50% to 150%	up to 42*5
VRF VU-V series Heat Recovery Modular type	VRF VR-IV series Heat Recovery Modular type	25%*6 to 150%	up to 64
VRF VU-V series Heat Pump Modular type	VRF V-IV series Heat Pump Modular type	50% to 150%	up to 64

*3: 6 HP only. *4: 12 HP only. *5: 18 HP only. *6: For modular type, 25% to 49.9% operation in the entire system is available. (by one unit operation)

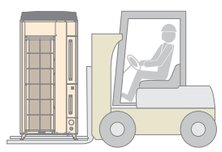


Easy Installation

Easily Transported



A lifting strap can be hooked onto an outdoor unit
Design of outdoor unit allows for lifting straps to be used



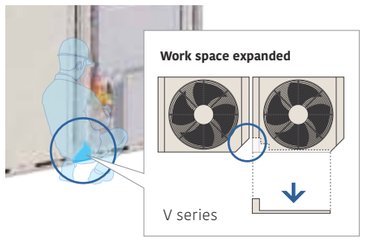
Transportable by forklift
The outdoor unit can be lifted and transported by forklift.



Fits into a small elevator.

Easy Access

The removable L-shaped front panel provides more room for installation and service work. Multiple installations can be performed easily and efficiently even in tight spaces.

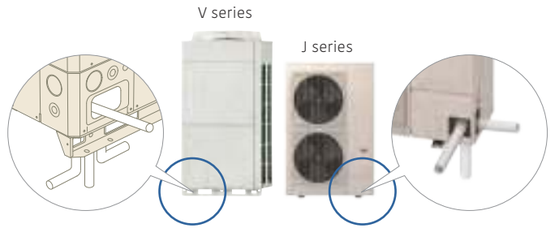




Front access reduces installation intervals

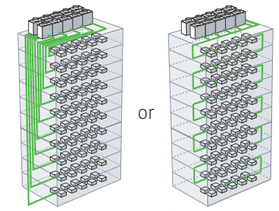
Flexible Pipe Connection

Pipe and wire can be accessed from the front, left, right, and bottom.



Simplified Wiring Work

The communication wiring can be installed seamlessly among indoor, outdoor, and RB units, which makes the installation of the wiring system easier.

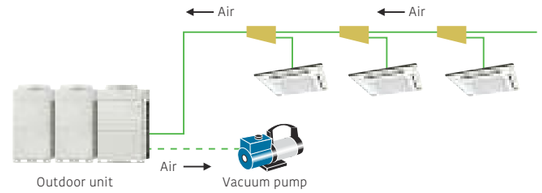


Maximum wire length:
3,600 m

Note: The automatic address setting is not available on a serially connected multiple refrigerant system.

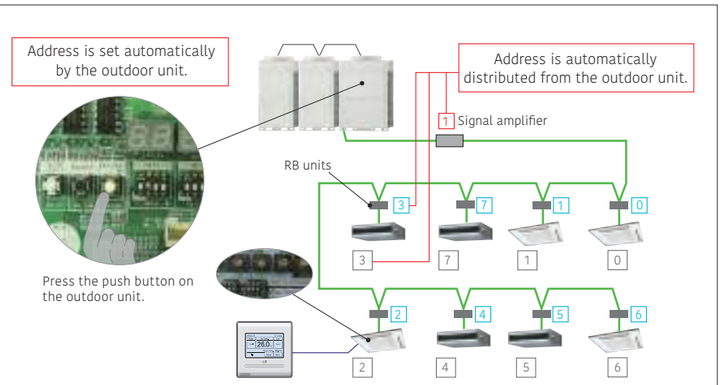
Vacuum Mode Function for Easy Evacuation

The vacuum mode function enables all expansion valves of an indoor unit to be opened fully, allowing for easier evacuation of air inside pipe lines and indoor units.



Automatic Address Setting

Addresses of connected indoor units, RB units, and Signal amplifier can all be set automatically from the PCB in the outdoor unit.



Easy Commissioning with Tools

- Service Tool (UTY-ASGXZ1)

The Service Tool checks the refrigerant temperature and pressure, and the operating status of the electronic expansion valves, making it easy to determine if the units are connected properly.



- Central Remote Controller (UTY-DCGYZ4)

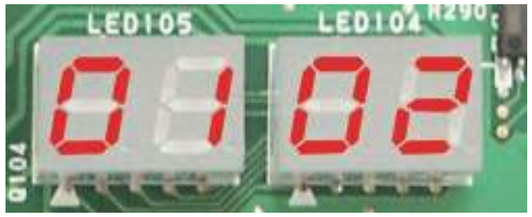
After the VRF system has been installed. Conveniently, the “test run” required to verify proper system operation can be performed from a nearby Central RC.



Easy Service and Maintenance

Designed for Easy Maintenance

A 7-segment indicator lamp panel provides detailed information on the function setting status, refrigerant temperature and pressure, compressor operation time, and other factors, facilitating self-diagnosis for each unit.

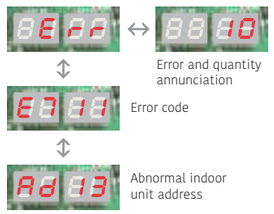


Easy-to-read 7-segment indicator lamp

Shows the following detailed operation and error status without need of any others tools.

Error status can be checked on an outdoor unit's display

- System operation mode
- Discharge temperature and pressure
- Compressor operation status
- Address, type, and number of outdoor unit

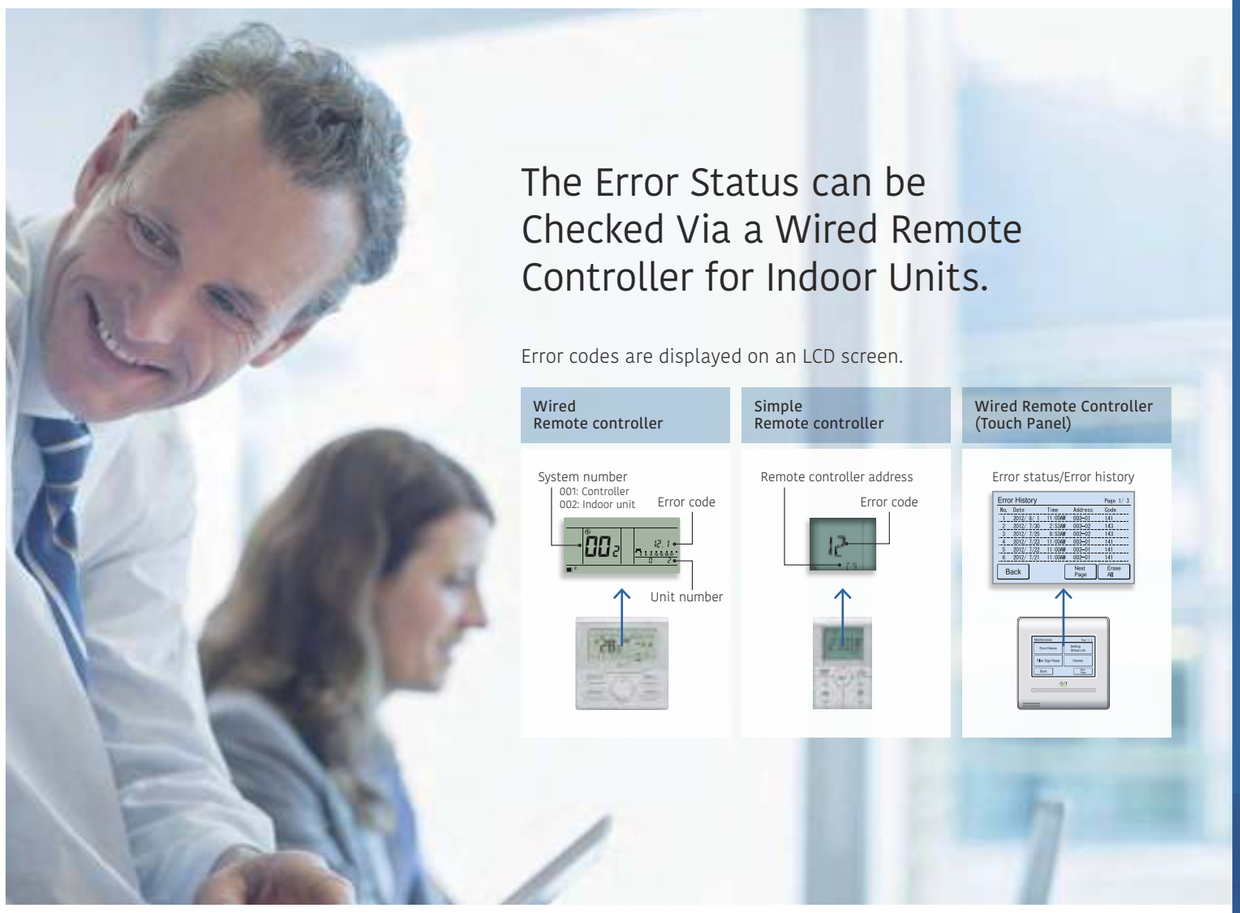


- Error status can easily be checked on an outdoor unit's display.

Movable PCB panel

Enables easier access behind the PCB for maintenance work.





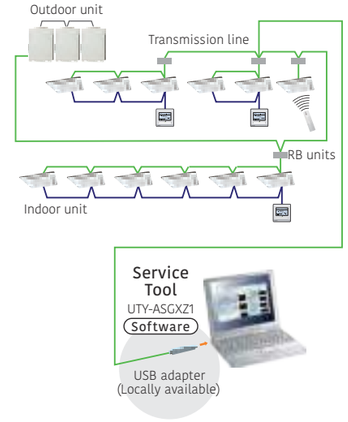
The Error Status can be Checked Via a Wired Remote Controller for Indoor Units.

Error codes are displayed on an LCD screen.

Error Diagnosis by Service Tool

Connection to Service tool

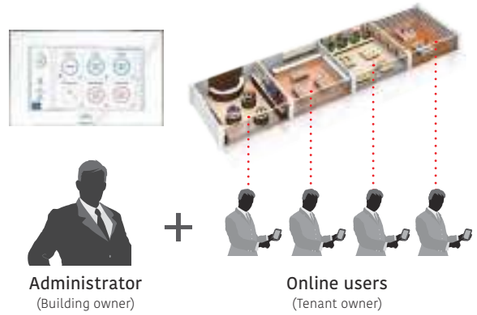
- A detailed operation status and recent error history can be checked and analyzed using Service tool.
- The last 5 minutes of operation status can be recorded continuously.



Remote monitoring / Remote operation

The central remote controller can control your tenant's air conditioner anytime and anywhere. When the central remote controller manages the indoor units of some tenants, air conditioning of each tenant can be managed separately online.

Increased the Number of Accounts



REFRIGERANT R32

VRF R32 OUTDOOR UNITS

4 types and 40 models are available to meet the requirements of any building design.

We offer a wide lineup of outdoor units suitable for everything from small properties like apartments to large commercial facilities and buildings.

V-024 VRF R32 Outdoor Units Lineup for J-VS J-V J-VL VU-V
V-026 VRF J-VS
V-032 VRF J-V
V-038 VRF J-VL
V-042 VRF VU-V



VRF R32 Outdoor Units Lineup for J-VS J-V J-VL VU-V

Capacity (kW)		Refrigerant	12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.0-50.4	56.0	61.5	67.0-67.4	73.0	78.5-80.0	85.0	90.0	96.0	100.5-101.5	106.0-106.5	111.5	117.5	123.0
HP			4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
J-VS series Heat Pump		R32	AJY040 KCTAH, AJY040 KFTAH	AJY045 KCTAH, AJY045 KFTAH	AJY054 KCTAH, AJY054 KFTAH																			
NEW **J-V series Heat Pump**		R32	AJY040 KBLAH, AJY040 KELAH	AJY045 KBLAH, AJY045 KELAH	AJY054 KBLAH, AJY054 KELAH																			
J-VL Series Heat Pump		R32				AJY072 KELAH	AJY090 KELAH	AJY108 KELAH	AJY126 KELAH	AJY144 KELAH	AJY162 KELAH													
VU-V Series Heat Pump &Heat Recovery	Space Saving Set Model	R32				AJY072 HALAH	AJY090 HALAH	AJY108 HALAH	AJY126 HALAH	AJY144 HALAH	AJY162 HALAH	AJY180 HALAH	AJY198 HALAH	AJY216 HALAH	AJY234 HALAH	AJY252 HALAH	AJY270 HALAH	AJY288 HALAH	AJY306 HALAH	AJY324 HALAH	AJY342 HALAH	AJY360 HALAH	AJY378 HALAH	AJY396 HALAH
	Energy Efficiency Set Model	R32								AJY144 HALAHH	AJY162 HALAHH	AJY180 HALAHH	AJY198 HALAHH	AJY216 HALAHH		AJY252 HALAHH		AJY288 HALAHH		AJY324 HALAHH	AJY342 HALAHH			

REFRIGERANT R32

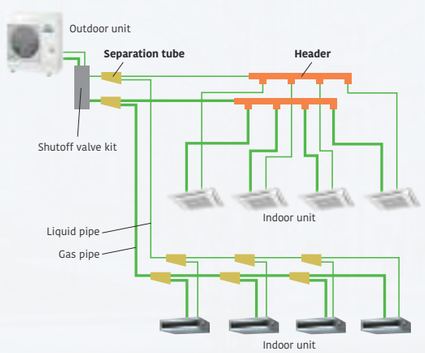
Heat Pump

for Small-capacity type

NEW VRF **J-VS**

System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.





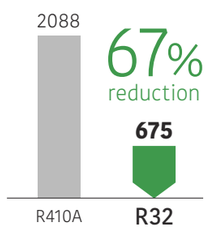
Outdoor unit

REFRIGERANT R32

R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

GWP*1 (Reference: IPCC 4th Report)



*1 **GWP (Global Warming Potential):** a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO2.

Sustainable

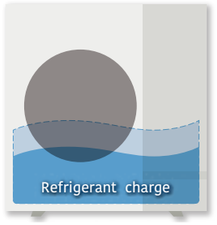
European F-Gas Regulation Plan

The European Union has tightened F-gas rules as part of European Green Deal policy, which aims for Europe climate neutral by 2050.
The F-gas Regulation mainly includes
(1) Reducing the total volume of HFCs and phasing out HFC in 2050.
(2) The GWP limits for certain products are required to be strengthened.
General as one of its proactive efforts to preserve the global environment, we are working on technological development to achieve the best balance between refrigerants with lower GWP and energy efficiency of equipment adopting safety measures.

2029 Available at J-VS	2033	2035	2050
Split AC & HP **Over 12 kW:** GWP 750 and above prohibited **12 kW or less:** GWP 150 and above prohibited	**Split AC & HP** **Over 12 kW:** GWP 150 and above prohibited	**Split AC & HP** HFC use prohibited	an economy with **net-zero** greenhouse gas emissions.

Refrigerant Saving Design

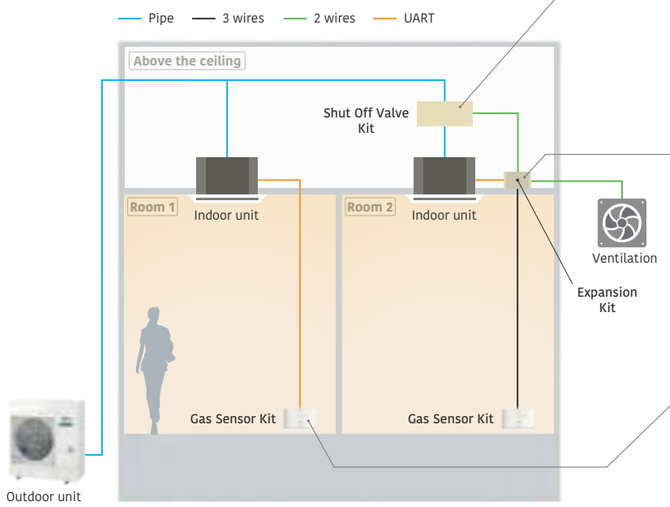
Compact indoor unit, pipe design, and optimization of heat exchanger volume significantly reduce the system refrigerant volume.



Refrigerant charge
-32%
*From current model

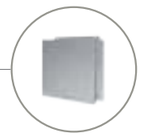
Enhanced Disaster Safety Measures

The system is designed to meet the environmental safety requirements specified in the IEC 603352-40 standard for the use of R32 refrigerant. The environment requiring safety measures is determined by the size of the room in relation to the amount of refrigerant required. For example, if the system is designed for maximum pipe length and the refrigerant charge is 6 kg, safety measures are required for rooms of 15 m2 or less.





Shut Off Valve Kit
UTP-GX027A, UTP-GX060A
Block the path to prevent refrigerant flow in the event of a refrigerant leakage.



Expansion Kit
UTZ-JXXA
Used to comply with installation & product safety standards related to R32 refrigerant.
*Please refer to the manuals for details of the system design. required.



Gas Sensor Kit
UTY-SGZY / UTY-SGZYZ1*
Gas Sensor Kit used to ensure standards compliance and safety when R32 VRF products are installed.
*Direct connection of the gas sensor kit to the indoor unit requires the UTY-XWZXZL connection cable.

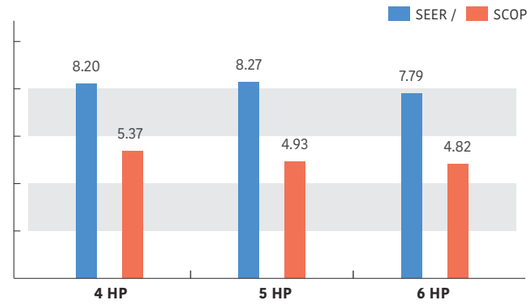
Saving CO2

Top-class High Energy Saving

The use of large heat exchanger and a high-efficiency Rotary compressor achieves class-leading SEER/SCOP in all models.

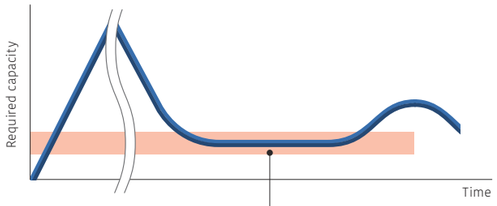
SEER **8.27** *045 model

SCOP **5.37** *040 model



More Energy-Saving Compressor Control

When the room temperature approaches the set temperature after the start of operation, the capacity required for the outdoor unit becomes lower. The minimum compressor speed at this time can now be controlled at a lower value than with conventional products, enabling more energy-efficient operation.



Can be operated at a lower rps than the current model.



Minimum,
15 rps
Low power consumption

Small Body

Easy to Carry, Easy to Install



Light
74kg*
*Single phase only

Height difference
998mm

Small, Lightweight Outdoor Unit

The outdoor units in this series are much more compact than conventional outdoor units of comparable capacity. They can be installed on a balcony, fitting below the height of the railing. With a height of less than 1 m, they can be installed in tight spaces such as under windows.

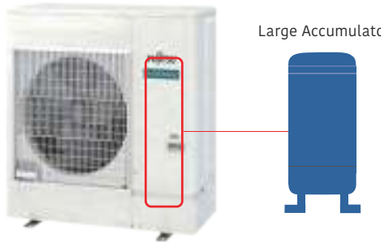


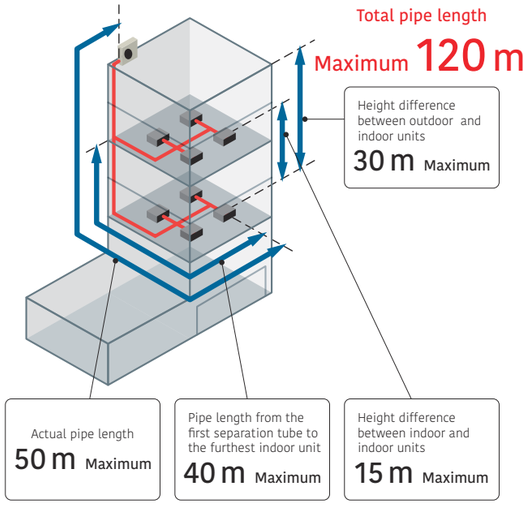
Situational Piping Design

Long Pipe Length

Our advanced refrigerant control technology extends the maximum allowable length of refrigerant pipe to 120 m. This provides high flexibility in system design.

Long pipe lengths are achieved by installing a large-capacity accumulator. No liquid refrigerant is supplied to the compressor even when the required amount of refrigerant is charged in the long pipe.





Up to 13 Indoor Units* can be Connected

The combination of smaller but sufficiently powerful indoor units and a outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 13 indoor units, which is the best in its class.

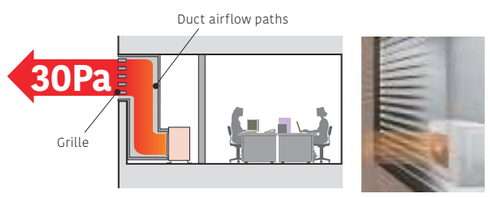
*: 6 HP model

Rating Capacity range (HP)	4	5	6
Max. Connectable indoor unit	1-11	1-12	1-13

Sightliness Installation

External Static Pressure

External static pressure measures up to 30 Pa for 4/5/6 HP models.
Even if the outdoor unit is installed in a small space to hide it, the grille and duct airflow path required for exhaust air can be installed up to a static pressure value of 30 Pa.



Cooling Pipe System

Heat Rejection Technology Cooling pipe system "Cooling pipe system" is adopted to ensure reliability in high outside air.
Even when the outdoor unit is installed in an environment where heat tends to stay (small space), the cooling system using refrigerant can reduce damage caused by heat from PCBs.



4, 5, 6 HP: AJY040KCTAH / AJY045KCTAH / AJY054KCTAH
AJY040KFTAH [3-phase] / AJY045KFTAH [3-phase] / AJY054KFTAH [3-phase]



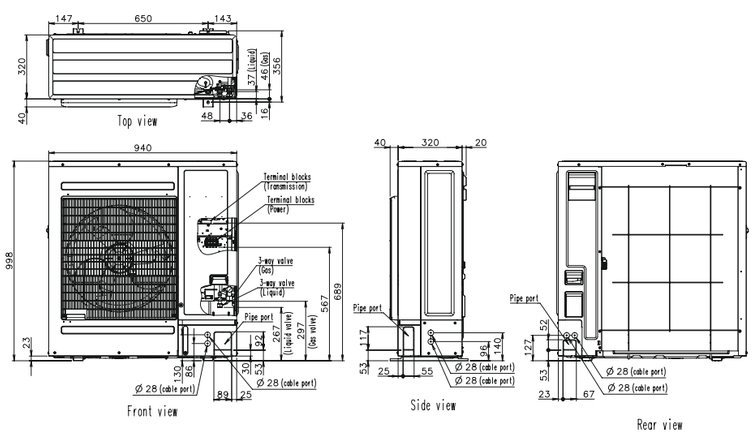
Specifications

Rated capacity range		HP	4	5	6	4	5	6
Model name			AJY040KCTAH	AJY045KCTAH	AJY054KCTAH	AJY040KFTAH	AJY045KFTAH	AJY054KFTAH
Maximum connectable indoor units			1-11	1-12	1-13	1-11	1-12	1-13
Power source			Single phase, 230V~, 50Hz			3-phase, 400V~, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.1	12.1	14.0	15.1
	Nominal Heating		12.1	14.0	15.1	12.1	14.0	15.1
	Max. Heating		13.6	16.0	16.5	13.6	16.0	16.5
Input power	Cooling	kW	3.15	3.82	4.48	3.15	3.82	4.48
	Nominal Heating		2.55	2.91	3.20	2.55	2.91	3.20
	Max. Heating		3.09	3.62	3.90	3.09	3.62	3.90
EER	Cooling	W/W	3.84	3.66	3.37	3.84	3.66	3.37
COP	Nominal Heating		4.74	4.80	4.71	4.74	4.80	4.71
	Max. Heating		4.40	4.41	4.22	4.40	4.41	4.22
SEER	Cooling		8.20	8.27	7.79	8.20	8.27	7.79
SCOP	Heating		5.37	4.93	4.82	5.37	4.93	4.82
ηc	Cooling	%	325.0	327.8	308.6	325.0	327.8	308.6
ηh	Heating		211.8	194.2	189.8	211.8	194.2	189.8
Airflow rate		m^3/h	4,450	4,450	4,450	4,450	4,450	4,450
Sound pressure level/ Power level	Cooling	dB(A)	52 / 70	53 / 71	54 / 72	52 / 70	53 / 71	54 / 72
	Heating		54 / 71	55 / 72	56 / 73	54 / 71	55 / 72	56 / 73
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	998	998	998	998	998	998
	Width		940	940	940	940	940	940
	Depth		320	320	320	320	320	320
Weight		kg	74	74	74	75	75	75
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	2.7 (1.823)	2.7 (1.823)	2.7 (1.823)	2.7 (1.823)	2.7 (1.823)	2.7 (1.823)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		15.88	15.88	15.88	15.88	15.88	15.88
Total pipe length		m	120	120	120	120	120	120
Max. height difference			30	30	30	30	30	30
Operating Range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 11 m; Height difference between outdoor unit and indoor unit: 0 m.
The protective function may work when using it outside the operation range.

Dimensions

(Unit: mm)



REFRIGERANT R32

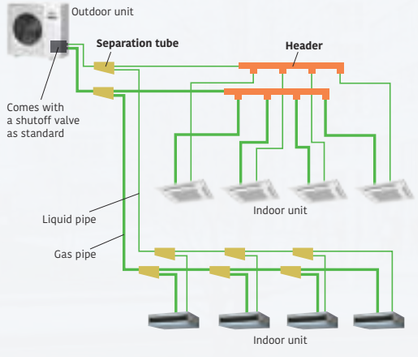
Heat Pump

for Small-capacity type

NEW VRF J-V

System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.



Offering greater flexibility in installation locations



The J-V Series uses R32 refrigerant, making it easy to install at sites that require safety measures. All 4, 5, and 6 HP models feature a compact, single-fan outdoor unit, offering greater flexibility in installation locations.



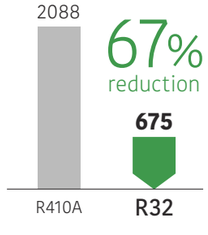


REFRIGERANT R32

R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

GWP*1 (Reference: IPCC 4th Report)



*1 **GWP (Global Warming Potential):** a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO2.

High Installation Flexibility



Small, lightweight outdoor unit

The new J-V Series (4–6 HP) uses a single-fan chassis—more compact than the previous two-fan units, expanding installation options.



Easy to carry, easy to install

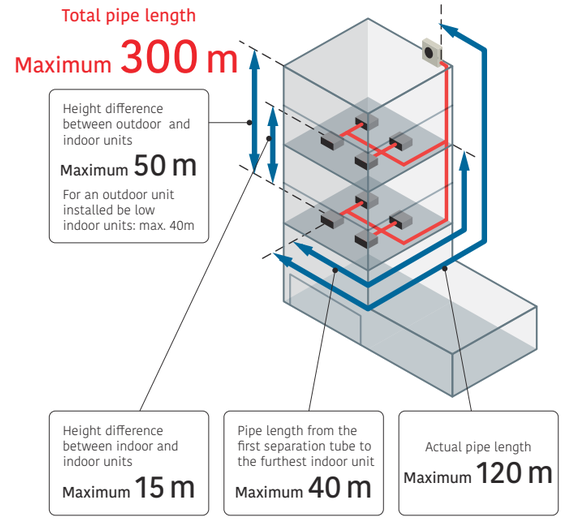
Compact outdoor units under 1,008 mm tall provide exceptional installation flexibility, allowing placement in narrow spaces such as under windows or on rooftops where they remain largely unobtrusive.



Situational Piping Design

Long pipe length

Our advanced refrigerant control technology allows us to achieve a total refrigerant pipe length of 300 m. This provides high flexibility in system design.



Up to 14 indoor units* can be connected

The combination of smaller but sufficiently powerful indoor units and outdoor units with an optimized heat exchanging structure makes it possible to connect up to 14 indoor units, which is the best in its class.

*: 6 HP model

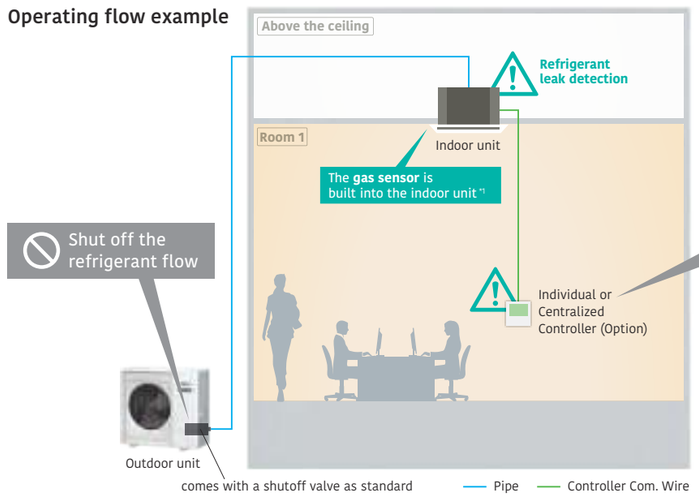
Model	J-V		
Rating Capacity range (HP)	4	5	6
Max. Connectable indoor unit	11	12	14

Safety Measures

Safety measures and improved install ability

The J-V Series comes with a shutoff valve as standard, eliminating the need for an additional shutoff valve.*4 When combined with the new indoor unit featuring a built-in gas sensor, installation is significantly simplified. Furthermore, the optional individual remote control can serve as an alarm in the event of refrigerant leakage, eliminating the need for additional on-site procurement and thereby enhancing both convenience and safety.

Operating flow example



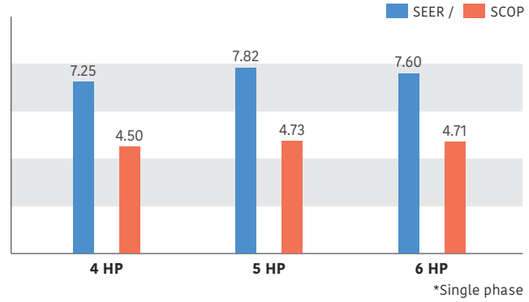
*1: An expansion kit is required when installing a shutoff valve on the indoor unit side.
*2: The Central Remote Controller does not flash. It remains lit only.
*3: Simple Remote Controller is not supported.
*4: It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For further details, please refer to the 'Design and Technical Manual'.

High Energy Saving

J-V provides environmentally conscious, high-efficiency operation while ensuring comfort.

SEER
7.82
*Single phase/5 HP

SCOP
4.50
*Single phase/4 HP

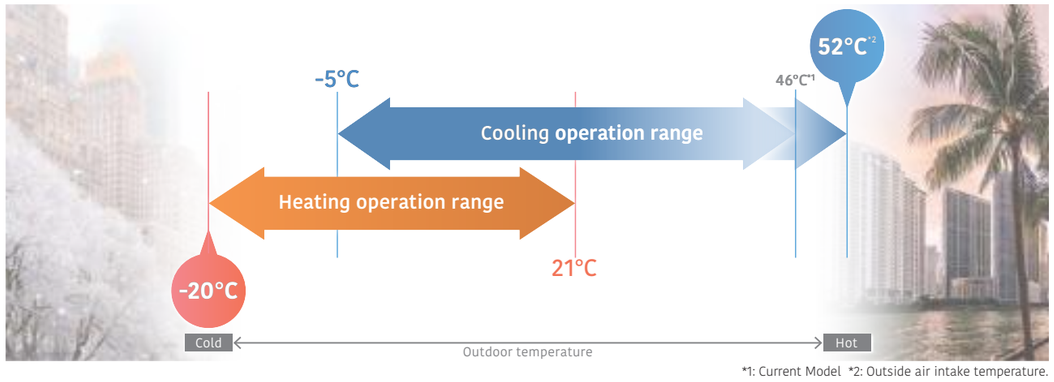


*Single phase

Sightliness Installation

Extended operating range for ambient temperature

Extended operable ambient temperature enables an offer to different regions with different temperature condition.

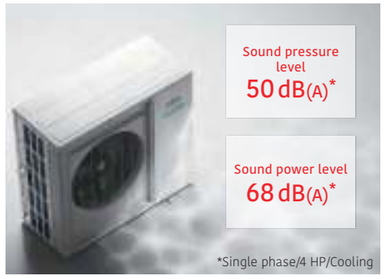


*1: Current Model *2: Outside air intake temperature.

External static pressure

External static pressure measures up to 35 Pa. Even if the outdoor unit is installed in a small space to hide it, the grille and duct airflow path required for exhaust air can be installed up to a static pressure value of 35 Pa.



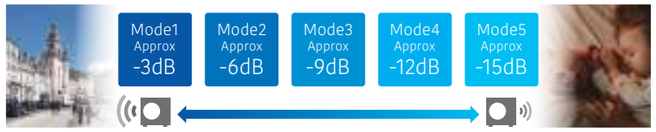


*Single phase/4 HP/Cooling

Environmentally conscious with low-noise mode

5-steps low-noise modes are available. This allows for detailed noise control in various external environments.

5-steps low noise mode



*When using this function, cooling and heating performance may decrease.
The noise reduction value in low-noise mode varies depending on the model.

4, 5, 6 HP: AJY040KBLAH / AJY045KBLAH / AJY054KBLAH
AJY040KELAH [3-phase] / AJY045KELAH [3-phase] / AJY054KELAH [3-phase]



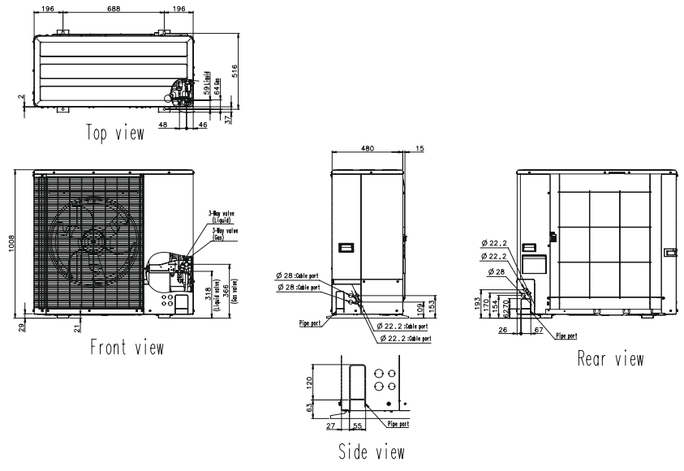
Specifications

Rated capacity range		HP	4	5	6	4	5	6
Model name			AJY040KBLAH	AJY045KBLAH	AJY054KBLAH	AJY040KELAH	AJY045KELAH	AJY054KELAH
Maximum connectable indoor units			1-11	1-12	1-14	1-11	1-12	1-14
Power source			Single phase, 230V, 50Hz			3-phase, 4-wire, 400V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Nominal Heating		12.1	14.0	15.5	12.1	14.0	15.5
	Max. Heating		13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	kW	3.25	4.02	4.70	3.25	4.02	4.70
	Nominal Heating		2.67	2.99	3.48	2.67	2.99	3.48
	Max. Heating		3.38	3.74	4.68	3.38	3.74	4.68
EER	Cooling	W/W	3.72	3.48	3.30	3.72	3.48	3.30
COP	Nominal Heating		4.52	4.68	4.45	4.52	4.68	4.45
	Max. Heating		4.02	4.28	3.85	4.02	4.28	3.85
SEER	Cooling		7.25	7.82	7.60	7.25	7.82	7.60
SCOP	Heating		4.50	4.73	4.71	4.50	4.73	4.71
ηc	Cooling	%	287.0	309.8	301.0	287.0	309.8	301.0
ηh	Heating		177.0	186.2	185.4	177.0	186.2	185.4
Airflow rate		m^3/h	4,750	5,300	5,300	4,750	5,300	5,300
Sound pressure level/ Power level	Cooling	dB(A)	50/68	52/70	52/70	50/68	52/70	52/70
	Heating		52/68	55/71	55/71	52/68	55/71	55/71
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,008	1,008	1,008	1,008	1,008	1,008
	Width		1,080	1,080	1,080	1,080	1,080	1,080
	Depth		480	480	480	480	480	480
Weight		kg	117	117	117	118	118	118
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	4.0 (2.700)	4.0 (2.700)	4.0 (2.700)	4.0 (2.700)	4.0 (2.700)	4.0 (2.700)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		15.88	15.88	15.88	15.88	15.88	15.88
Total pipe length		m	300	300	300	300	300	300
Max. height difference			50/40 (Outdoor unit: Upper/Lower)			50/40 (Outdoor unit: Upper/Lower)		
Operating Range	Cooling	°C	-5 to 52*	-5 to 52*	-5 to 52*	-5 to 52*	-5 to 52*	-5 to 52*
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 11 m; Height difference between outdoor unit and indoor unit: 0 m.
The protective function may work when using it outside the operation range.
*:Outside air intake temperature.

Dimensions

(Unit: mm)



REFRIGERANT R32

Heat Pump

for Small-capacity type

NEW VRF J-VL



8-12 HP modes

14-18 HP models

This product uses R32, a environmentally friendly refrigerant. J-VL is an outdoor unit with a slim design. Its flexibility in installation makes it ideal for midsize office buildings and hotels.

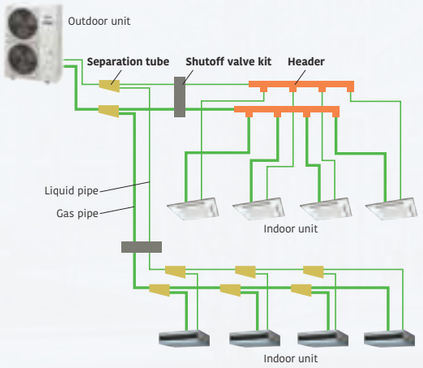
Environmental Considerations

High energy saving

High installation Flexibility

System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.

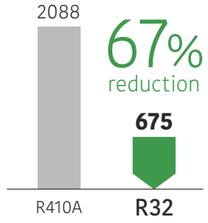


REFRIGERANT R32

R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

GWP*1 (Reference: IPCC 4th Report)



*1 **GWP (Global Warming Potential):** a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO2.

High Energy Saving

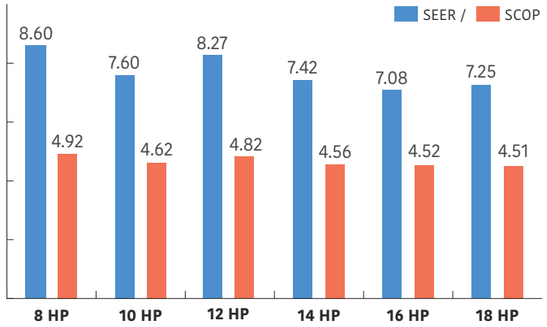
J-VL provides environmentally conscious, high-efficiency operation while ensuring comfort.

Cooling ηc

ALL 280.2% or above

Heating ηh

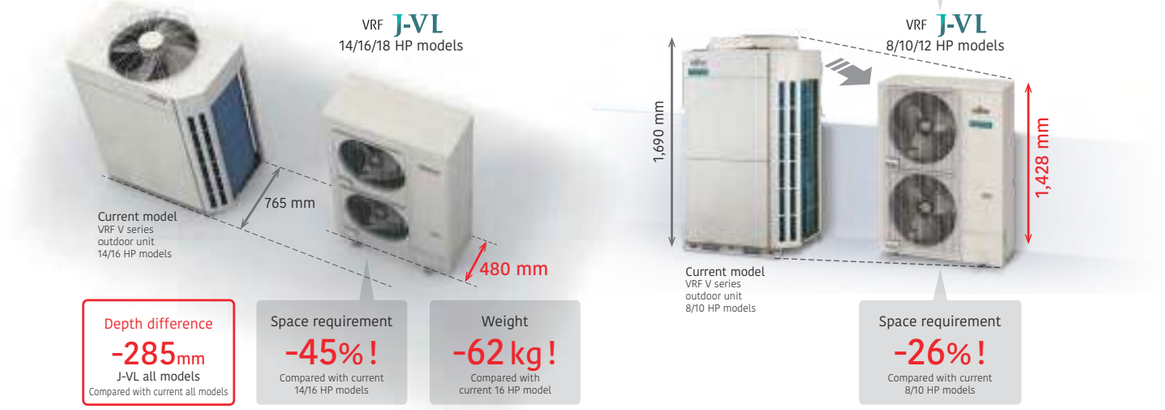
ALL 177.4% or above



High installation Flexibility

Slim design yet large capacity

Slim and space-saving design that can be installed even in narrow spaces, yet offers a large capacity of up to 18HP. Multiple units can be installed flexibly, allowing for high installation freedom.



Depth difference
-285mm
J-VL all models
Compared with current all models

Space requirement
-45%!
Compared with current 14/16 HP models

Weight
-62 kg!
Compared with current 16 HP model

Height difference
-262mm
Compared with current 8 HP model

Space requirement
-26%!
Compared with current 8/10 HP models

Supports concealed installation

Even if the outdoor unit is installed in a small space to hide it, the grille and duct airflow path required for exhaust air can be installed up to a static pressure value of 60 Pa. (40Pa for 8/10/12HP)

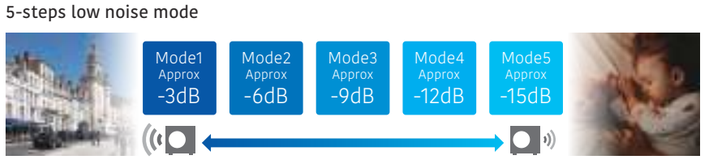
*Capacities slightly decrease relative to the rated values during high static pressure operations.



Environmentally conscious with low-noise mode

5-steps low-noise modes are available. This allows for detailed noise control in various external environments.

5-steps low noise mode



*When using this function, cooling and heating performance may decrease.
The noise reduction value in low-noise mode varies depending on the model.

J-VL

8,10,12 HP: AJY072KELAH / AJY090KELAH / AJY108KELAH
14,16,18 HP: AJY126KELAH / AJY144KELAH / AJY162KELAH



8, 10, 12 HP

14, 16, 18 HP

Specifications

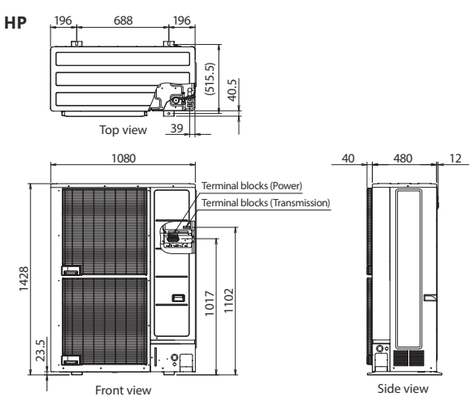
Rated capacity range		HP	8	10	12	14	16	18
Model name			AJY072KELAH	AJY090KELAH	AJY108KELAH	AJY126KELAH	AJY144KELAH	AJY162KELAH
Maximum connectable indoor units			1-20	1-25	1-30	1-36	1-40	1-42
Power source			3-phase, 400V~, 50Hz					
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.0
	Max. Heating		25.0	31.5	37.5	45.0	50.0	55.0
Input power	Cooling	kW	5.66	7.87	9.28	11.87	13.77	15.39
	Nominal Heating		4.48	6.44	7.57	8.80	10.98	12.76
	Max. Heating		5.46	7.92	9.95	10.67	13.23	14.95
EER	Cooling	W/W	3.96	3.56	3.61	3.37	3.27	3.25
COP	Nominal Heating		5.01	4.35	4.43	4.55	4.10	3.92
	Max. Heating		4.58	3.98	3.77	4.22	3.78	3.68
SEER	Cooling		8.60	7.60	8.27	7.42	7.08	7.25
SCOP	Heating		4.92	4.62	4.82	4.56	4.52	4.51
ηc	Cooling	%	341.0	301.0	327.8	293.8	280.2	287.0
ηh	Heating		193.8	181.8	189.8	179.4	177.8	177.4
Airflow rate		m^3/h	8,400 / 8,400	9,000 / 9,000	11,000 / 11,900	13,000 / 13,000	14,000 / 14,000	14,800 / 15,300
Sound pressure level/ Power level	Cooling	dB(A)	50 / 66	53 / 69	58 / 73	63 / 75	64 / 77	66 / 79
	Heating		52 / 66	56 / 70	62 / 75	65 / 76	67 / 78	69 / 82
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638	1,638	1,638
	Width		1,080	1,080	1,080	1,080	1,080	1,080
	Depth		480	480	480	480	480	480
Weight		kg	169	177	178	213	213	213
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	6.0 (4.05)	6.5 (4.388)	6.5 (4.388)	9.0 (6.075)	9.0 (6.075)	9.0 (6.075)
Connection pipe diameter	Liquid	mm	9.52	9.52	12.70	12.70	12.70	12.70
	Gas		19.05	22.22	22.22	28.58	28.58	28.58
Total pipe length		m	400	400	400	400	400	400
Max. height difference			50/40 (Outdoor unit: Upper/Lower)					
Operating Range	Cooling	C°	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 11m (072/090), 15m (108/126/144/162); Height difference between outdoor unit and indoor unit: 0 m.
The protective function may work when using it outside the operation range.

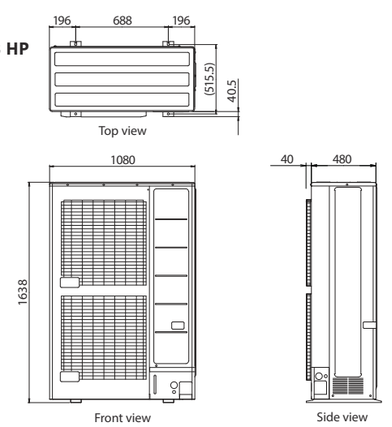
Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16, 18 HP



REFRIGERANT R32

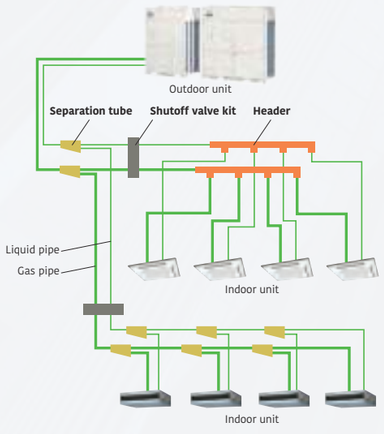
Heat Pump / Heat Recovery

Modular type

NEW VRF VU-V

System configuration example

- Suitable for air conditioning midsize and large buildings. Connecting each outdoor unit makes it possible to create a high-capacity system.
- Multiple indoor units are connected with separation tubes and headers.



Single unit covers a wide range of projects

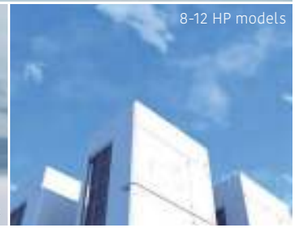


Single unit
Max.
22 HP
61.5 kW
47 Indoor units

Combination
Max. 44 HP

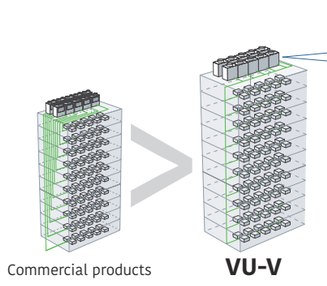
VU-V features many design improvements that yield higher performance and efficiency, wider operating ranges, greater design/installation flexibility, larger overall system capacities, and enhanced comfort.


14-16 HP models


8-12 HP models

Contributes to reduction of project costs

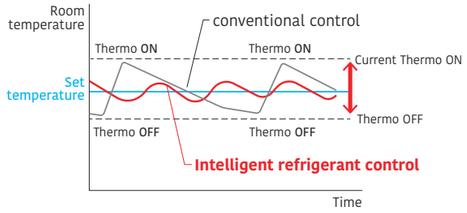
Contributes to reducing project costs outdoor units can be installed individually, with options up to 22 HP. This reduces the number of outdoor units required for installation and the materials needed (piping, power lines, communication lines, racks, breakers, conduits, etc.). This product is expected to reduce project costs.



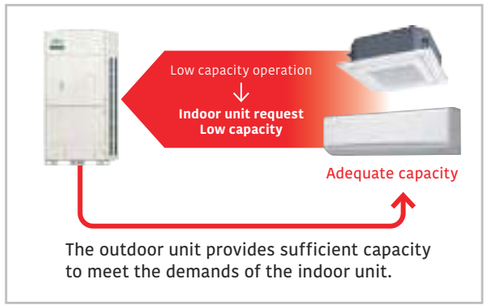
High Energy Saving

Intelligent refrigerant control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature.
Compared to conventional control, the compressor will run longer, thus saving energy.



* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

Highly efficient operation

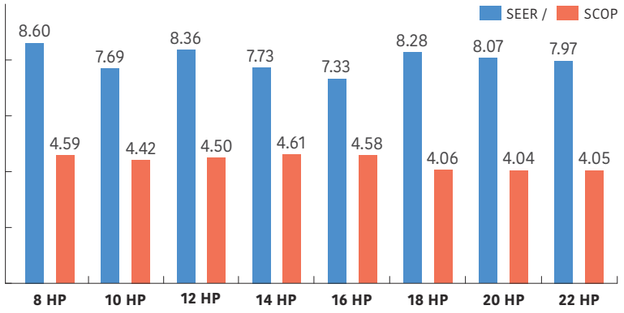
VU-V provides environmentally conscious, high-efficiency operation while ensuring comfort.

Cooling ηc

ALL 250.0% or above

Heating ηh

ALL 151.5% or above





Energy saving technology that boosts operation efficiency

18-22 HP models



Powerful large propeller fan*

The fan uses CFD* technology to achieve both high performance and low noise operation.

*CFD: Computational Fluid Dynamics

3-phase DC fan motor*

The use of a DC fan motor with sophisticated driver control improves energy efficiency substantially. In addition, this motor operates quietly.

Sine-wave DC inverter control*

High-efficiency is realized by the adoption of reduced switching loss IPM.

Subcooling heat exchanger

High heat exchange efficiency is achieved by using an internal projection-shape double-pipe construction.

*: Same as 8-16 HP



Refrigerant flow control
(18/20/22 HP)

Refrigerant flow is automatically adjusted within the heat exchanger depending on airflow balance.



NEW Scroll compressor

The system uses a scroll compressor with a wide rotational-speed range (15–120 rps), combined with General's unique sensorless sine-wave control method. This method smoothly controls the input power supplied to the motor, improving both energy efficiency and noise performance.

Variable refrigerant volume design of heat exchangers

If the outdoor air intake airflow of the left and right heat exchangers is different, the system automatically monitors the refrigerant status and adjusts the refrigerant flow rate of each heat exchanger to prevent loss of thermal efficiency.





8-16 HP models



8-12 HP models

14-16 HP models

4-face heat exchanger

The 4-face heat exchanger increases the effective surface area and significantly improves heat-exchanging efficiency.

Front intake port
(Corner cut air inlet structure)

In multiple outdoor unit installations, the unique front intake design improves airflow into the heat exchanger.

Installation Flexibility

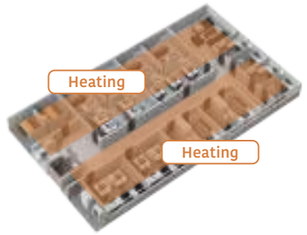


Select system type according to the application

The same outdoor unit can be used for both heat pump and heat recovery applications.

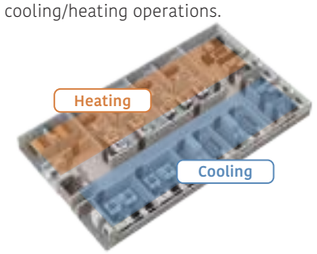
Heat Pump System

We provide heat pumps that can reduce the initial cost of RB units and connecting pipes for properties that have the same air conditioning load for each area and are used in the same operation mode throughout the year.



Heat Recovery System

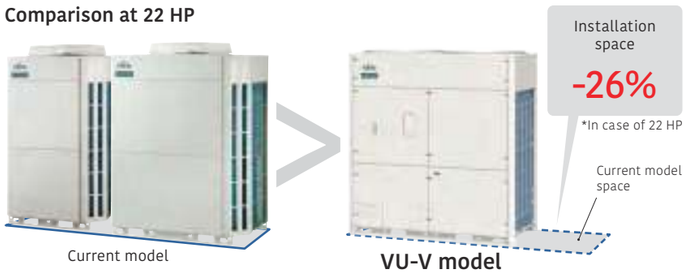
Heat recovery systems are proposed for office buildings where the air conditioning load varies between sun and shade in the middle of the year, and for restaurants/shops and hotels where different areas require different cooling/heating operations.



Reducing outdoor unit installation space

A single outdoor unit can handle air conditioning up to 22 HP.
This reduces reduce installation space and the number of outdoor units required.

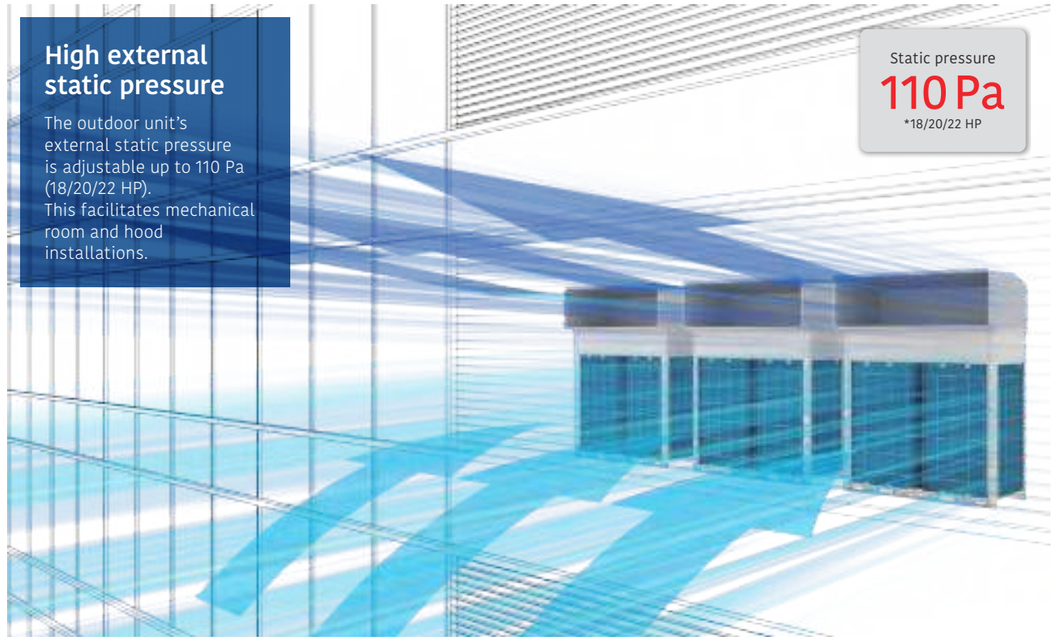
Comparison at 22 HP





High external static pressure

The outdoor unit's external static pressure is adjustable up to 110 Pa (18/20/22 HP).
This facilitates mechanical room and hood installations.



Piping flexibility and safety measures

NEW RB Unit includes Shut off valve kit function

In addition to switching between cooling and heating modes, an electronic expansion valve function has been added to shut off the refrigerant. This eliminates the need to install a separate shutoff valve kit, reducing costs and improving installation efficiency.



NEW RB unit (1 Port)

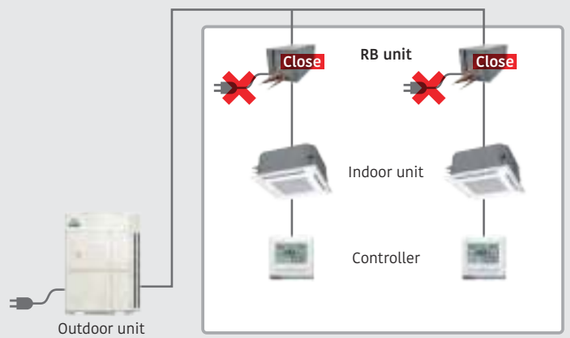


NEW RB unit (4 Port)

No need to use Shut off valve kit for heat recovery use, provide simple installation

Enhanced disaster safety measures

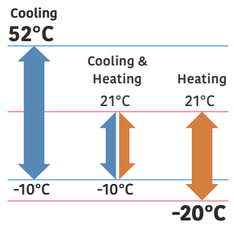
It features a power backup function for use during power outages. Furthermore, to prevent refrigerant leakage during power failures, the shut-off valve closes when a power outage occurs.



Comfort

Extended operating range for ambient temperature

Extended operable ambient temperature enables an offer to different regions with different temperature condition.



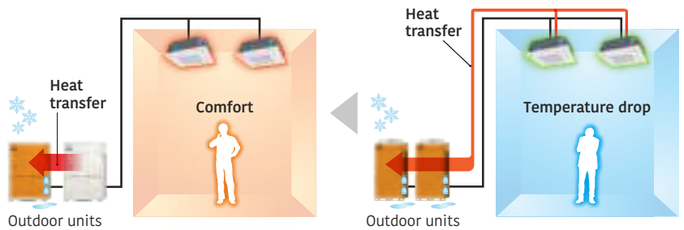
*In the case of heat recovery .



Rotation defrosting

Heat Recovery type & additional type only

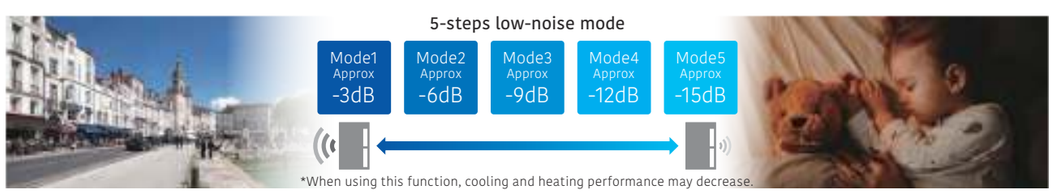
Rotation defrosting uses heat from other units instead of room heat, minimizing temperature drops and maintaining comfort during defrosting.



Environmentally conscious with low-noise mode

5-steps low-noise modes are available. This allows for detailed noise control in various external environments.



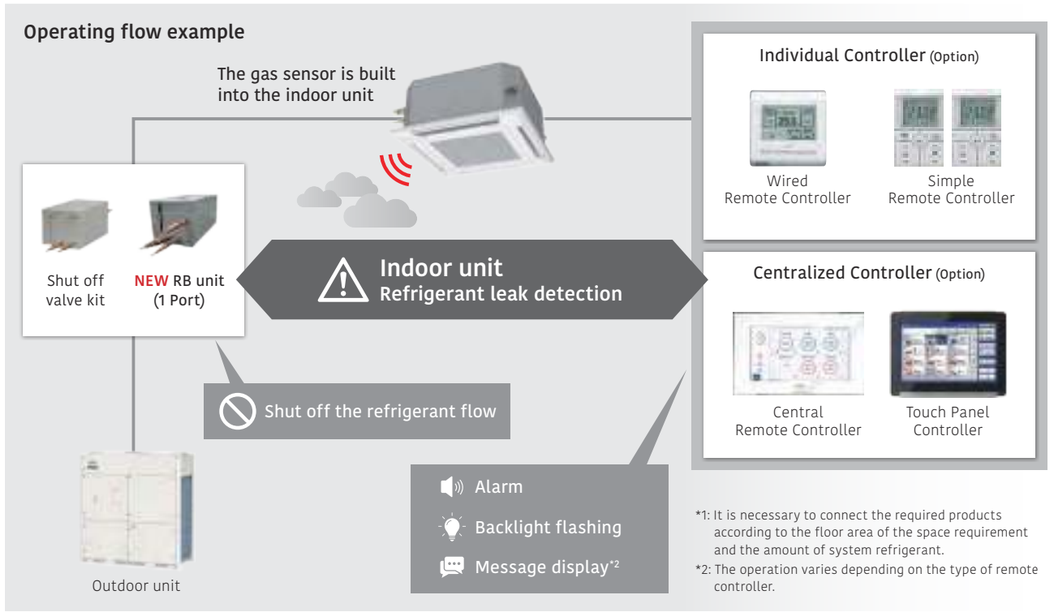


*When using this function, cooling and heating performance may decrease.

Easy Support

Safety measures in case of refrigerant leak

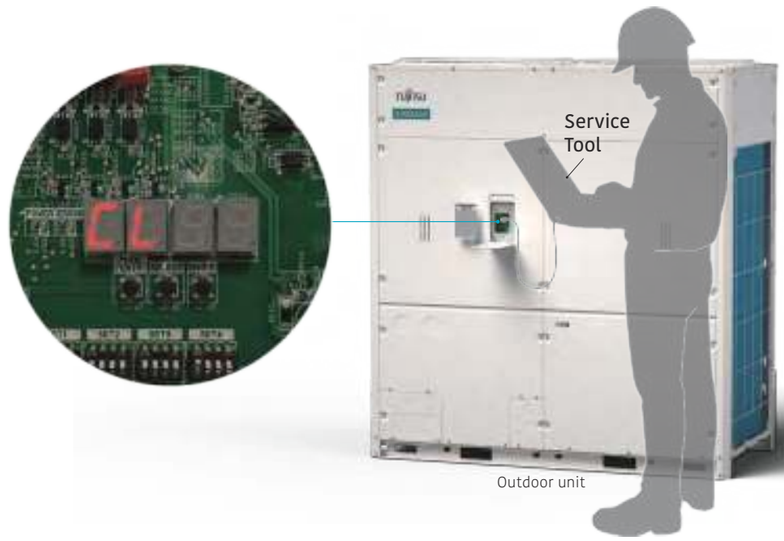
Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. (Some indoor units require optional purchase.) Depending on the conditions of the room where the indoor unit is installed, countermeasures can be implemented using detection equipment.*1 When activated, the refrigerant leak detector triggers the “Shut off valve kit” and “Wired Remote Controller” to operate simultaneously. This notifies the user or administrator of a refrigerant leak while simultaneously stopping refrigerant circulation.



*1: It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant.
*2: The operation varies depending on the type of remote controller.

Service and maintenance window

The service window provides easy access to all multifunction displays and buttons without removing any main front panels. It is also convenient when connecting service tools.



Outdoor units lineup • Combinations other than those listed below are not recommended.

Space saving combination

22.4 kW (8 HP)	28.0 kW (10 HP)	33.5 kW (12 HP)	40.0 kW (14 HP)	45.0 kW (16 HP)
				
AJY072HALAH UNIT:AJY072HALAH	AJY090HALAH UNIT:AJY090HALAH	AJY108HALAH UNIT:AJY108HALAH	AJY126HALAH UNIT:AJY126HALAH	AJY144HALAH UNIT:AJY144HALAH
50.0 kW (18 HP)	56.0 kW (20 HP)	61.5 kW (22 HP)	67.0 kW (24 HP)	73.0 kW (26 HP)
				
AJY162HALAH UNIT:AJY162HALAH	AJY180HALAH UNIT:AJY180HALAH	AJY198HALAH UNIT:AJY198HALAH	AJY216HALAH UNIT:AJY108/108HALAH	AJY234HALAH UNIT:AJY144/090HALAH
78.5 kW (28 HP)	85.0 kW (30 HP)	90.0 kW (32 HP)	96.0 kW(34 HP)	101.5 kW (36 HP)
				
AJY252HALAH UNIT:AJY144/108HALAH	AJY270HALAH UNIT:AJY144/126HALAH	AJY288HALAH UNIT:AJY144/144HALAH	AJY306HALAH UNIT:AJY180/126HALAH	AJY324HALAH UNIT:AJY198/126HALAH
106.5 kW (38 HP)	111.5 kW (40 HP)	117.5 kW (42 HP)	123.0 kw (44HP)	
				
AJY342HALAH UNIT:AJY198/144HALAH	AJY360HALAH UNIT:AJY198/162HALAH	AJY378HALAH UNIT:AJY198/180HALAH	AJY396HALAH UNIT:AJY198/198HALAH	

Energy efficiency combination

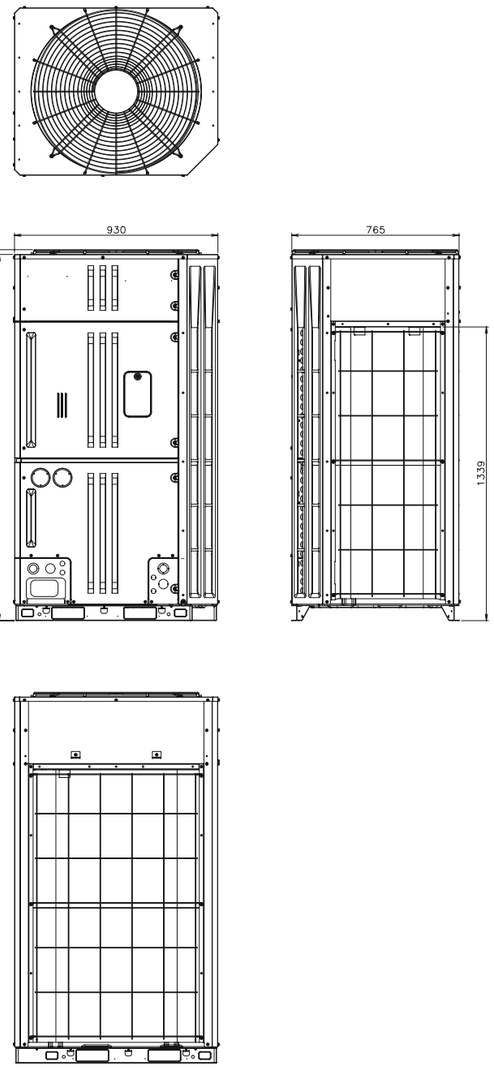
44.8 kW (16 HP)	50.4 kW (18 HP)	56.0 kW (20 HP)	61.5 kW (22 HP)	67.4 kW (24 HP)
				
AJY144HALAHH UNIT:AJY072/072HALAHH	AJY162HALAHH UNIT:AJY090/072HALAHH	AJY180HALAHH UNIT:AJY090/090HALAHH	AJY198HALAHH UNIT:AJY108/090HALAHH	AJY216HALAHH UNIT:AJY144/072HALAHH
80.0 kW (28 HP)	90.0 kW (32 HP)	100.0 kW (36 HP)	106.0 kW (38 HP)	
				
AJY252HALAHH UNIT:AJY126/126HALAHH	AJY288HALAHH UNIT:AJY162/126HALAHH	AJY324HALAHH UNIT:AJY162/162HALAHH	AJY342HALAHH UNIT:AJY180/162HALAHH	

8,10,12HP : AJY072HALAH / AJY090HALAH / AJY108HALAH



Dimensions

(Unit: mm)

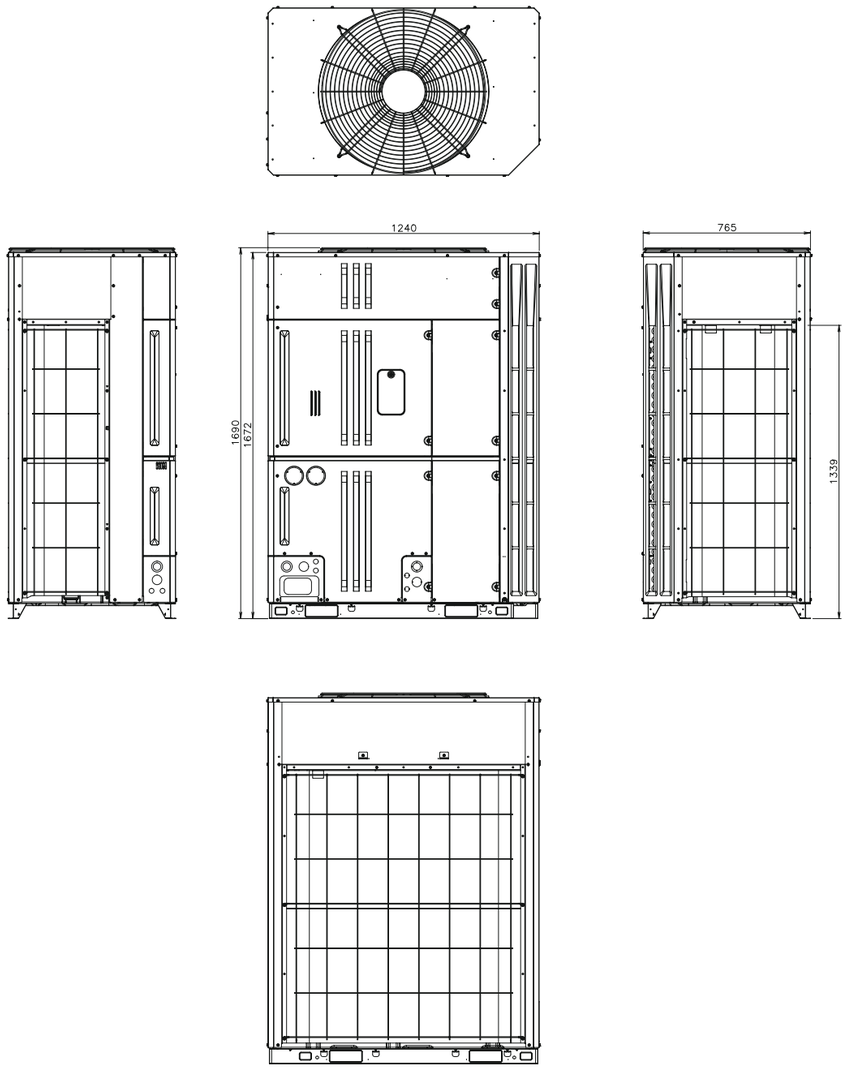


14,16HP : AJY126HALAH / AJY144HALAH



Dimensions

(Unit: mm)

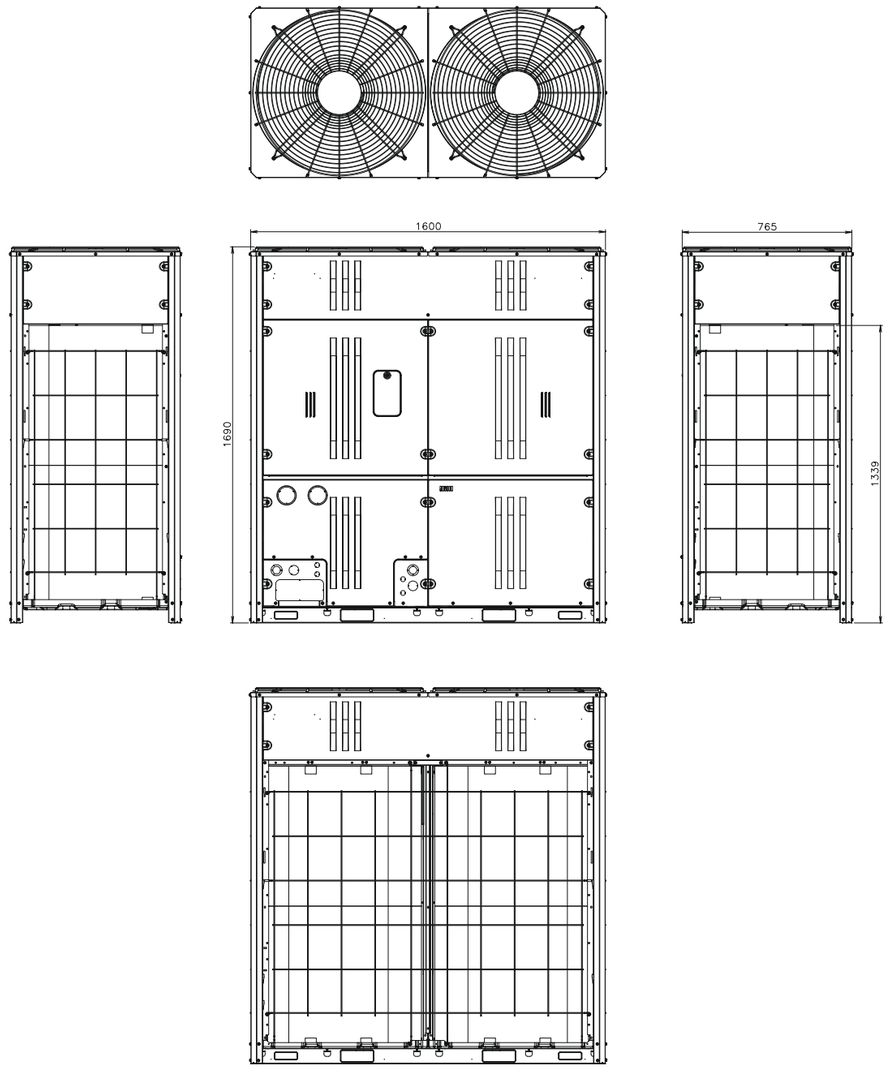


18,20,22HP : AJY162HALAH / AJY180HALAH / AJY198HALAH



Dimensions

(Unit: mm)



Outdoor unit specifications

Space saving combination

Rated Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
Model Name			AJY072HALAH	AJY090HALAH	AJY108HALAH	AJY126HALAH	AJY144HALAH	AJY162HALAH	AJY180HALAH	AJY198HALAH	AJY216HALAH	AJY234HALAH	AJY252HALAH	AJY270HALAH	AJY288HALAH	AJY306HALAH	AJY324HALAH	AJY342HALAH	AJY360HALAH	AJY378HALAH	AJY396HALAH
Unit 1 Unit 2			AJY072HALAH	AJY090HALAH	AJY108HALAH	AJY126HALAH	AJY144HALAH	AJY162HALAH	AJY180HALAH	AJY198HALAH	AJY108HALAH AJY108HALAH	AJY144HALAH AJY090HALAH	AJY144HALAH AJY108HALAH	AJY144HALAH AJY126HALAH	AJY144HALAH AJY144HALAH	AJY180HALAH AJY126HALAH	AJY198HALAH AJY126HALAH	AJY198HALAH AJY144HALAH	AJY198HALAH AJY162HALAH	AJY198HALAH AJY180HALAH	AJY198HALAH AJY198HALAH
Maximum connectable indoor units*1			17	21	26	30	34	39	43	47	52	55	60	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units	min-max	kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.0-75.0	28.0-84.0	30.8-92.2	33.5-100.5	36.5-109.5	39.3-117.7	42.5-127.5	45.0-135.0	48.0-144.0	50.8-152.2	53.3-159.7	55.8-167.2	58.8-176.2	61.5-184.5
Power source			3-phase, 4-wire, 400 V, 50Hz								3-phase, 4-wire, 400 V, 50Hz										
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	67.0	73.0	78.5	85.0	90.0	96.0	101.5	106.5	111.5	117.5	123.0
	Nominal Heating		22.4	28.0	33.5	40.0	42.0	50.0	56.0	61.5	67.0	70.0	75.5	82.0	84.0	96.0	101.5	103.5	111.5	117.5	123.0
	Max. Heating		25.0	31.5	37.5	45.0	48.0	56.5	63.0	69.0	75.0	79.5	85.5	93.0	96.0	108.0	114.0	117.0	125.5	132.0	138.0
Input power	Cooling	kW	5.58	7.50	9.43	11.76	14.06	12.69	15.13	17.62	18.86	21.56	23.50	25.82	28.12	26.89	29.38	31.68	30.31	32.75	35.24
	Nominal Heating		4.50	6.43	7.70	9.52	9.95	12.19	14.10	15.56	15.40	16.38	17.65	19.47	19.90	23.62	25.08	25.51	27.75	29.66	31.12
	Max. Heating		5.58	8.20	9.48	12.07	12.43	13.54	17.87	20.36	18.96	20.63	21.91	24.50	24.86	29.94	32.43	32.79	33.90	38.23	40.72
EER	Cooling	W/W	4.01	3.73	3.55	3.40	3.20	3.94	3.70	3.49	3.55	3.38	3.34	3.29	3.20	3.57	3.45	3.36	3.67	3.58	3.49
COP	Nominal Heating		4.97	4.35	4.35	4.20	4.23	4.10	3.97	3.95	4.35	4.27	4.27	4.21	4.22	4.06	4.04	4.05	4.01	3.96	3.95
	Max. Heating		4.48	3.84	3.95	3.72	3.86	4.17	3.52	3.38	3.95	3.85	3.90	3.79	3.86	3.60	3.51	3.56	3.70	3.45	3.38
SEER	Cooling		8.60	7.69	8.36	7.73	7.33	8.28	8.07	7.97	8.36	7.51	7.84	7.53	7.33	7.90	7.85	7.65	8.12	8.02	7.97
SCOP	Heating		4.59	4.42	4.50	4.61	4.58	4.06	4.04	4.05	4.50	4.50	4.54	4.59	4.58	4.32	4.33	4.31	4.05	4.04	4.05
ηc	Cooling	%	341.4	304.6	331.4	306.2	290.2	328.2	319.8	315.8	331.4	297.4	310.8	298.2	290.2	313.0	311.0	303.0	322.0	317.8	315.8
ηh	Heating		180.6	173.8	177.0	181.4	180.2	159.4	158.6	159.0	177.0	177.0	178.6	180.8	180.2	170.0	170.2	169.6	159.2	158.8	159.0
Air flow rate	High	m^3/h	11,100	11,100	11,100	13,200	13,200	20,000	22,200	22,200	11,100×2	13,200+11,100	13,200+11,100	13,200×2	13,200×2	22,200+13,200	22,200+13,200	22,200+13,200	22,200+20,000	22,200×2	22,200×2
Sound pressure level*2 / Power level	Cooling	dB(A)	57/77	60/80	61/81	61/81	61/81	61/81	65/85	65/85	64/84	64/84	64/84	64/84	64/84	66/86	66/86	66/86	66/86	68/88	68/88
	Heating		58/78	59/79	63/83	62/82	63/83	64/84	67/87	67/87	66/86	64/84	66/86	66/86	66/86	68/88	68/88	68/88	69/89	70/90	70/90
Max. External static pressure		Pa	80	80	80	80	80	110	110	110	80	80	80	80	80	80	80	80	110	110	110
Compressor motor output		kW	6.10	6.10	6.10	7.90	7.90	6.10 × 2	6.10 × 2	6.10 × 2	6.10 ×2	7.90 + 6.10	7.90 + 6.10	7.90 × 2	7.90 + 7.90	6.10 × 2 + 7.90	6.10 × 2 + 7.90	6.10 × 2 + 7.90	6.10 × 2 + 6.10 × 2	6.10 × 2 + 6.10 × 2	6.10 × 2 × 2
Heat exchanger fin			Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930	930	930	1,240	1,240	1,240	1,600	1,600	930×2	1,240+930	1,240+930	1,240×2	1,240×2	1,600+1,240	1,600+1,240	1,600+1,240	1,600×2	1,600×2	1,600×2
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	251	251	251	278	278	414	414	414	251×2	278+251	278+251	278×2	278×2	414+278	414+278	414+278	414×2	414×2	414 × 2
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	9.8 (6.615)	9.8 (6.615)	9.8 (6.615)	11.8 (7.965)	11.8 (7.965)	11.8 (7.965)	11.8 (7.965)	11.8 (7.965)	9.8×2 (6.615×2)	11.8+9.8 (7.965+6.615)	11.8+9.8 (7.965+6.615)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)
Connection pipe diameter	Liquid for HP and HR	mm	9.52	9.52	12.70	12.70	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88
	Discharge Gas for HR		15.88	15.88	19.05	19.05	19.05	19.05	22.22	22.22	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58
	Gas for HP, Suction Gas for HR		19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92
Operating Range	Heat Pump (HP) Cooling	°CDB	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-15 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52
	Heat Pump (HP) Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Heat Recovery (HR) Cooling		-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52
	Heat Recovery (HR) Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Heat Recovery (HR) Cooling/Heating simultaneous		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Energy Efficiency Combination

Rated Capacity range		HP	16	18	20	22	24	28	32	36	38
Model Name			AJY144HALAHH	AJY162HALAHH	AJY180HALAHH	AJY198HALAHH	AJY216HALAHH	AJY252HALAHH	AJY288HALAHH	AJY324HALAHH	AJY342HALAHH
Unit 1 Unit 2			AJY072HALAH AJY072HALAH	AJY090HALAH AJY072HALAH	AJY090HALAH AJY090HALAH	AJY108HALAH AJY090HALAH	AJY144HALAH AJY072HALAH	AJY126HALAH AJY126HALAH	AJY162HALAH AJY126HALAH	AJY162HALAH AJY162HALAH	AJY180HALAH AJY162HALAH
Maximum connectable indoor units*1			34	38	42	47	51	60	64	64	64
Connectable capacity range of indoor units	min-max	kW	22.4 - 67.2	25.2 - 75.6	28.0 - 84.0	30.8 - 92.3	33.7 - 101.1	40.0 - 120.0	45.0 - 135.0	50.0 - 150.0	53.0 - 159.0
Power source			3-phase, 4-wire, 400 V, 52Hz					3-phase, 4-wire, 400 V, 58Hz			
Capacity	Cooling	kW	44.8	50.4	56.0	61.5	67.4	80.0	90.0	100.0	106.0
	Nominal Heating		44.8	50.4	56.0	61.5	64.4	80.0	90.0	100.0	106.0
	Max. Heating		50.0	56.5	63.0	69.0	73.0	90.0	101.5	113.0	119.5
Input power	Cooling	kW	11.16	13.08	15.00	16.94	19.64	23.52	24.45	25.38	27.82
	Nominal Heating		9.00	10.93	12.86	14.13	14.45	19.04	21.71	24.38	26.29
	Max. Heating		11.16	13.78	16.40	17.68	18.01	24.14	25.61	27.08	31.41
EER	Cooling	W/W	4.01	3.85	3.73	3.63	3.43	3.40	3.68	3.94	3.81
COP	Nominal Heating		4.97	4.61	4.35	4.35	4.45	4.20	4.14	4.10	4.03
	Max. Heating		4.48	4.10	3.84	3.90	4.05	3.72	3.96	4.17	3.80
SEER	Cooling		8.60	8.14	7.69	8.02	7.96	7.73	8.00	8.28	7.98
SCOP	Heating		4.59	4.50	4.42	4.46	4.59	4.61	4.34	4.06	4.24
ηc	Cooling	%	341.0	322.8	304.6	318.0	315.6	306.2	317.2	328.2	316.4
ηh	Heating		180.6	177.2	173.8	175.4	180.4	181.4	170.4	159.4	166.6
Air flow rate	High	m^3/h	11,100×2	11,100×2	11,100×2	11,100×2	13,200+11,100	13,200×2	20,000+13,200	20,000×2	22,200+20,000
Sound pressure level*2 / Power level	Cooling	dB(A)	60/80	62/82	63/83	64/84	62/82	64/84	64/84	64/84	66/86
	Heating		61/81	62/82	62/82	64/84	64/84	65/85	66/86	67/87	69/89
Max. External static pressure		Pa	80	80	80	80	80	80	80	110	110
Compressor motor output		kW	6.10×2	6.10×2	6.10×2	6.10×2	7.90+6.10	7.90×2	6.10 x 2+7.90	6.10 x 2×2	6.10 x 2×2
Heat exchanger fin			Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)	Corrugate (Aluminum)
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930×2	930×2	930×2	930×2	1,240+930	1,240×2	1,600+1,240	1,600×2	1,600×2
	Depth		765	765	765	765	765	765	765	765	765
Weight		kg	251×2	251×2	251×2	251×2	278+251	278×2	414+278	414×2	414×2
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	9.8×2 (6.615×2)	9.8×2 (6.615×2)	9.8×2 (6.615×2)	9.8×2 (6.615×2)	11.8+9.8 (7.965+6.615)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)	11.8×2 (7.965×2)
Connection pipe diameter	Liquid for HP and HR	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88
	Discharge Gas for HR		19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58
	Gas for HP, Suction Gas for HR		22.22	22.22	28.58	28.58	28.58	28.58	34.92	34.92	34.92
Operating Range	Heat Pump (HP) Cooling	°CDB	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52	-5 to 52
	Heat Pump (HP) Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Heat Recovery (HR) Cooling		-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52	-10 to 52
	Heat Recovery (HR) Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Heat Recovery (HR) Cooling/Heating simultaneous		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.
When cooling operation is be conducted at an outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to that of the indoor units.
* These specifications are determined by cassette combination.
* Multiple outdoor units are not certified by Eurovent.
*1: Minimum connectable indoor unit number is 2.
*2: The noise level is the value measured in an anechoic room. When measured in an actual installation, the measured value is typically larger than the indicated value due to ambient noise and reflections.

VRF R32 INDOOR UNITS

5 types and 121 models available to meet the requirements of any building design.

Indoor units for the VRF Systems are compact, highly efficient, quiet, and user-friendly. General offers a variety of types and capacities for its indoor units that are easy to install and maintain. In addition, a variety of optional parts are available to provide an even more desirable air conditioning experience to users.

V-058 VRF Indoor Unit Lineup for J-VS, J-VL, VU-V

Cassette

V-060 Compact 4-way flow

Cassette - Built in gas sensor

V-062 Compact 4-way flow
V-064 Circular Flow – Slim
V-066 Circular Flow – Large
V-068 1-way Flow Cassette

Duct - Built in gas sensor

V-070 Low Static Pressure Mini Duct
V-072 Low Static Pressure Slim Duct
V-074 Medium Static Pressure
V-076 High Static Pressure Duct

FLoor, Ceiling - Built in gas sensor

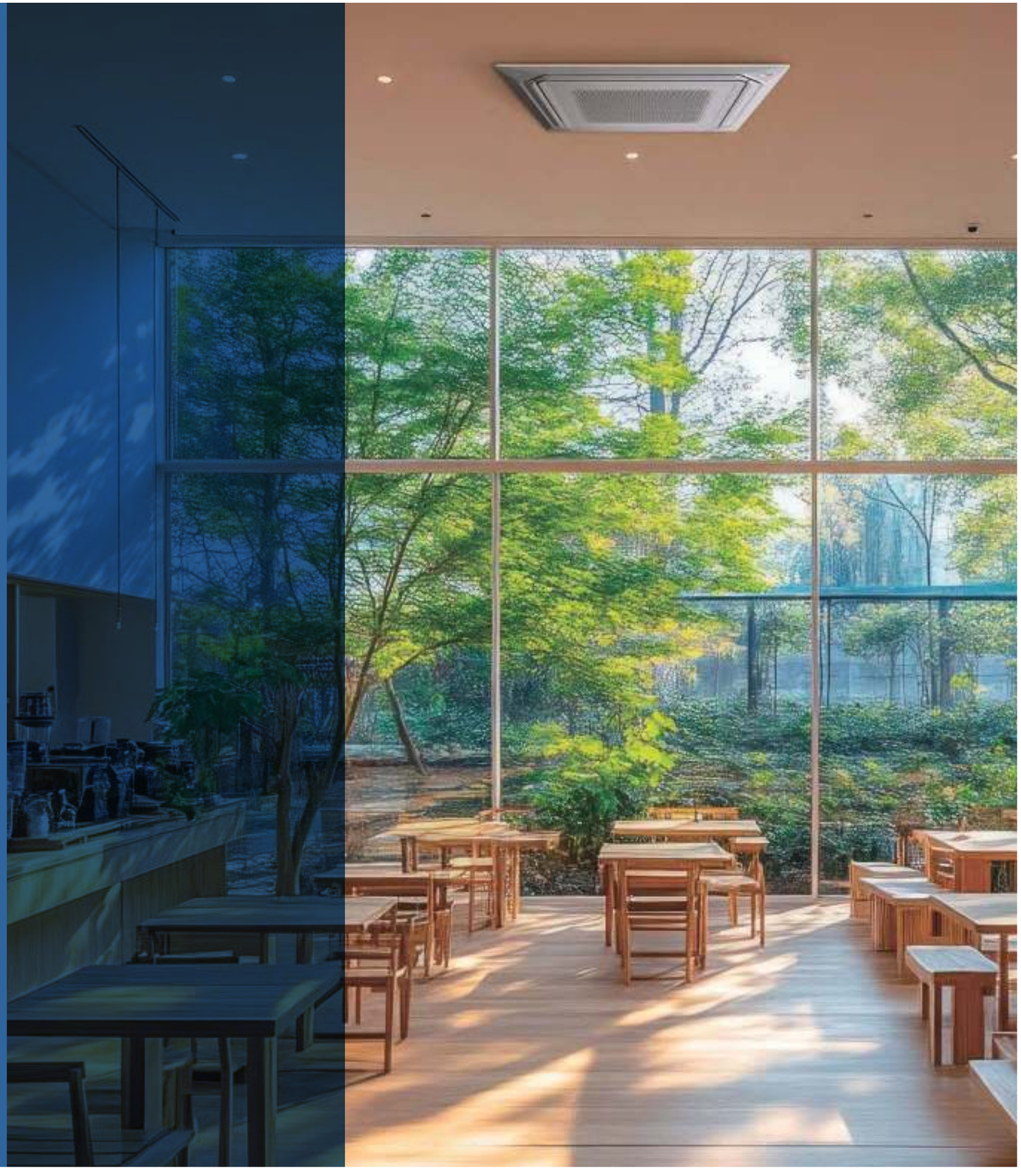
V-080 Compact floor (EEV Internal/external)
V-082 Ceiling

Wall-Mounted - Built in gas sensor

V-084 Wall-Mounted (EEV Internal/external)
V-086 Wall-Mounted

Wall-Mounted

V-088 Wall-Mounted (EEV Internal/external)



VRF Indoor Unit Lineup for J-VS J-VL VU-V

Capacity range (kW)				1.1	1.7	2.2	2.8	3.6	4.0	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0	28.0
Class				4	5	7	9	12	14	14	18	24	30	34	36	45	54	60	72	90	96
Cassette	Compact 4-way flow	Standard*1		AUXB 004 HLAH	AUXB 005 HLAH	AUXB 007 HLAH	AUXB 009 HLAH	AUXB 012 HLAH		AUXB 014 HLAH	AUXB 018 HLAH										
		Standard Built in gas sensor	NEW	AUXB 004 HLBH	AUXB 005 HLBH	AUXB 007 HLBH	AUXB 009 HLBH	AUXB 012 HLBH		AUXB 014 HLBH	AUXB 018 HLBH										
		High Efficiency*1*2					AUXN 009 HLAH	AUXN 012 HLAH		AUXN 014 HLAH											
	Circular Flow	Slim Built in gas sensor	NEW				AUXM 009 HLBH	AUXM 012 HLBH		AUXM 014 HLBH	AUXM 018 HLBH	AUXM 024 HLBH	AUXM 030 HLBH								
		High Efficiency*2 Built in gas sensor	NEW								AUXN 018 HLBH										
		Large Built in gas sensor	NEW								AUXK 018 HLBH	AUXK 024 HLBH	AUXK 030 HLBH	AUXK 034 HLBH	AUXK 036 HLBH	AUXK 045 HLBH	AUXK 054 HLBH				
	1-way Flow	Built in gas sensor	NEW 004 - 012 / 014 - 024	AUXV 004 HLBH	AUXV 005 HLBH	AUXV 007 HLBH	AUXV 009 HLBH	AUXV 012 HLBH		AUXV 014 HLBH	AUXV 018 HLBH	AUXV 024 HLBH									
Duct	Low Static Pressure	Mini Duct Built in gas sensor	NEW 004 - 012 / 014 - 018 / 024	ARXK 004 HLBH	ARXK 005 HLBH	ARXK 007 HLBH	ARXK 009 HLBH	ARXK 012 HLBH		ARXK 014 HLBH	ARXK 018 HLBH	ARXK 024 HLBH									
		Slim Duct Built in gas sensor	NEW 004 - 014 / 018 / 024	ARXD 004 HLBH	ARXD 005 HLBH	ARXD 007 HLBH	ARXD 009 HLBH	ARXD 012 HLBH		ARXD 014 HLBH	ARXD 018 HLBH	ARXD 024 HLBH									
		High Efficiency*1*2 009 - 014					ARXP 009 HLAH	ARXP 012 HLAH		ARXP 014 HLAH											
	Medium Static Pressure	Standard Built in gas sensor	NEW 007 - 018 / 024 - 030 / 036 - 045			ARXL 007 HTBH	ARXL 009 HTBH	ARXL 012 HTBH		ARXL 014 HTBH	ARXL 018 HTBH	ARXL 024 HTBH	ARXL 030 HTBH		ARXL 036 HTBH	ARXL 045 HTBH					
		High Efficiency*2 Built in gas sensor	NEW 018 - 030								ARXP 018 HTBH		ARXP 030 HTBH								
	High Static Pressure*3	Built in gas sensor	NEW 036 / 045 - 060												ARXC 036 HTBH	ARXC 045 HTBH		ARXC 060 HTBH			
			NEW 072 - 090 / 096																ARXC 072 HTBH	ARXC 090 HTBH	ARXC 096 HTBH
Floor		EEV Internal Built in gas sensor	NEW			AGYA 007 HCBH	AGYA 009 HCBH	AGYA 012 HCBH	AGYA 014 HCBH												
		EEV External Built in gas sensor	NEW This model requires the EV Kit to be connected.			AGYE 007 HCBH	AGYE 009 HCBH	AGYE 012 HCBH	AGYE 014 HCBH												
Ceiling		Built in gas sensor	NEW 012 - 018 / 024 - 030 / 036 - 054					ABYA 012 HTBH		ABYA 014 HTBH	ABYA 018 HTBH	ABYA 024 HTBH	ABYA 030 HTBH		ABYA 036 HTBH	ABYA 045 HTBH	ABYA 054 HTBH				
Wall-Mounted		Compact Wall-mounted EEV Internal Built in gas sensor	NEW 004 - 018	ASYA 004 HTBH	ASYA 005 HTBH	ASYA 007 HTBH	ASYA 009 HTBH	ASYA 012 HTBH	ASYA 014 HTBH		ASYA 018 HTBH										
		Compact Wall-mounted EEV External Built in gas sensor	NEW 004 - 018 This model requires the EV Kit to be connected.	ASYE 004 HTBH	ASYE 005 HTBH	ASYE 007 HTBH	ASYE 009 HTBH	ASYE 012 HTBH	ASYE 014 HTBH		ASYE 018 HTBH										
		Large Wall-mounted Built in gas sensor	NEW 018 - 034								ASYB 018 HTBH	ASYB 024 HTBH	ASYB 030 HTBH	ASYB 034 HTBH							
		EEV Internal*1	004 - 014	ASYA 004 HCAH	ASYA 005 HCAH	ASYA 007 HCAH	ASYA 009 HCAH	ASYA 012 HCAH	ASYA 014 HCAH												
		EEV External*1	004 - 014 This model requires the EV Kit to be connected.	ASYE 004 HCAH	ASYE 005 HCAH	ASYE 007 HCAH	ASYE 009 HCAH	ASYE 012 HCAH	ASYE 014 HCAH												

*1:AUXB***HLAH and ASYA***HCAH, ASYE***HCAH, ARXP***HLAH, AUXN***HLAH are only connectable to J-VS and J-VL. *2:Production by order
*3:ARXC060/072/090/096HTBH cannot be connected to the J-VS and J-VL series.

Cassette

Compact 4-way flow

*This product does not include a gas sensor.

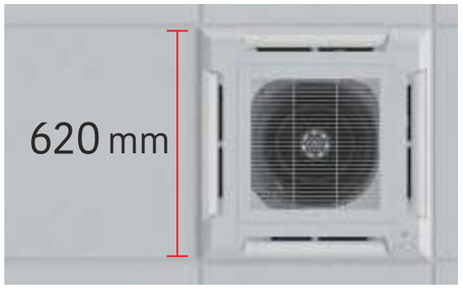


REFRIGERANT R32

DC FAN

Compact and Stylish Panel

The compact and stylish panel fits nicely into a grid type ceiling. The linear design is a perfect fit into a grid of 620 mm × 620 mm in the ceiling.



Easy Maintenance

You can access the unit for maintenance just by removing a ceiling panel right next to the grille. As no inspection hole needs to be cut through the ceiling, no additional construction cost is incurred.





The air inlet grille can be installed to open in any direction for easy maintenance.



Flexible Installation

The unit fits nicely into the decor of a grid type ceiling and can be installed near a lighting or a ventilation opening.



High Ceiling mode

The cassette can be installed up to a height of 3.0 m. (012/014/018).

Model code	Maximum height from floor to ceiling (m)	
	Standard mode	**High ceiling mode**
004	2.7	–
005	2.7	–
007	2.7	–
009	2.7	–
012	2.7	3.0
014	2.7	3.0
018	2.7	3.0

Model: AUXB004HLAH / AUXB005HLAH / AUXB007HLAH
AUXB009HLAH / AUXB012HLAH / AUXB014HLAH
AUXB018HLAH

AUXN009HLAH / AUXN012HLAH / AUXN014HLAH
* Production by order



Specifications

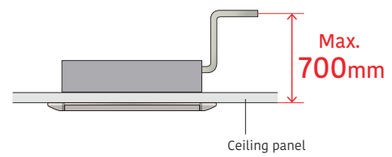
Model name			AUXB 004HLAH	AUXB 005HLAH	AUXB 007HLAH	AUXB 009HLAH	AUXB 012HLAH	AUXB 014HLAH	AUXB 018HLAH	AUXN 009HLAH	AUXN 012HLAH	AUXN 014HLAH
Power source			Single phase, 220-240V~, 50Hz									
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	2.8	3.6	4.5
	Heating		1.3	1.9	2.8	3.2	4.1	5.0	6.3	3.2	4.1	5.0
Input power		W	21	21	23	24	27	33	50	41	71	81
Airflow rate (Cooling / Heating)*	High	m^3/h	530	530	540	550	600	680	820	750	970	1,030
	Med-High		490 / 480	490 / 480	500	520	560	620	660	550	600	680
	Med		450 / 430	450 / 430	460	480	520	560	590	480	520	560
	Med-Low		420 / 380	420 / 380	420	440	480	500	520	440	480	500
	Low		390 / 340	390 / 340	390	400	430	440	460	400	430	440
	Quiet		350 / 300	350 / 300	350	350	390	390	400	350	390	390
Sound pressure level (Cooling / Heating)*	High	dB(A)	34	34	34	35	37	39	45	42	49	50
	Med-High		32 / 31	32 / 31	32	33	34	37	39	35	37	39
	Med		30 / 29	30 / 29	30	31	33	34	36	31	33	34
	Med-Low		28 / 26	28 / 26	28	29	31	32	33	29	31	32
	Low		27 / 24	27 / 24	27	27	29	30	30	27	29	30
	Quiet		25 / 21	25 / 21	25	25	27	27	27	25	27	27
Net Dimensions (H × W × D)		mm	245 × 570 × 570									
Weight		kg	14.5	14.5	15	15	15.5	15.5	17	15	15.5	15.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.70	12.70	12.70	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Cassette Grille	Model name		UTG-UFYH-W									
	Net Dimensions (H × W × D)	mm	49 × 620 × 620									
	Weight	kg	2.3									

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
*The value is the same for cooling and heating if there is one value.

Optional parts

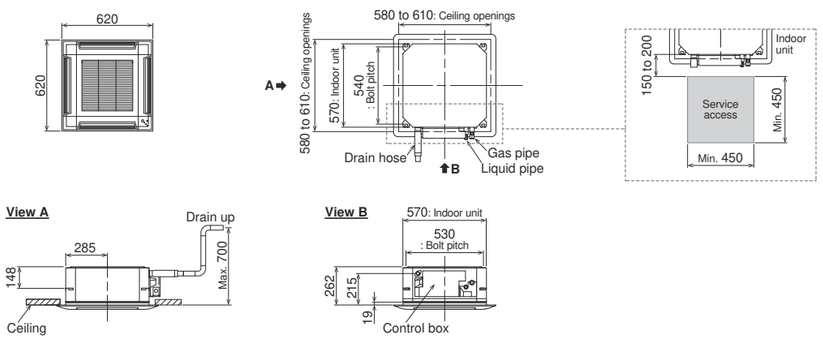
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Flesh Air Intake Kit:	UTZ-VXAA	Gas Sensor Kit:	UTY-SGZY / UTY-SGZYZ1
Insulation kit for high humidity:	UTZ-KXGC	Air Outlet Shutter Plate:	UTR-YDZB
Silver Ion Filter:	UTD-HFAA	External power supply unit:	UTZ-GXXD
Remote Sensor Kit:	UTY-XSZXZ1	Shut off valve kit:	UTP-GX027A / UTP-GX060A / UTP-GX090A
Cassette Grille:	UTG-UFYH-W		
Expansion Kit:	UTZ-JXXA		



Dimensions

(Unit: mm)



NEW

Cassette

Compact 4-way flow

Standard

(Built-in gas sensor)

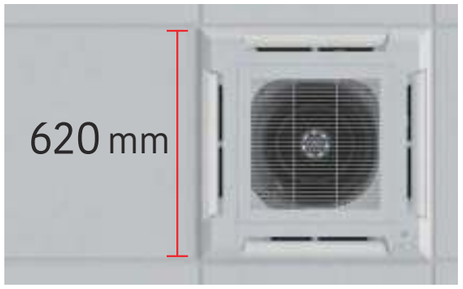


REFRIGERANT R32

DC FAN

Compact and Stylish Panel

The compact and stylish panel fits nicely into a grid type ceiling. The linear design is a perfect fit into a grid of 620 mm × 620 mm in the ceiling.



Flexible Installation

The unit fits nicely into the decor of a grid type ceiling and can be installed near a lighting or a ventilation opening.

Easy Maintenance

You can access the unit for maintenance just by removing a ceiling panel right next to the grille. As no inspection hole needs to be cut through the ceiling, no additional construction cost is incurred.





The air inlet grille can be installed to open in any direction for easy maintenance.



High Ceiling mode

The cassette can be installed up to a height of 3.0 m. (012/014/018).

Model code	Maximum height from floor to ceiling (m)	
	Standard mode	**High ceiling mode**
004	2.7	—
005	2.7	—
007	2.7	—
009	2.7	—
012	2.7	3.0
014	2.7	3.0
018	2.7	3.0

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*



*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Model: AUXB004HLBH / AUXB005HLBH / AUXB007HLBH
AUXB009HLBH / AUXB012HLBH / AUXB014HLBH
AUXB018HLBH



Specifications

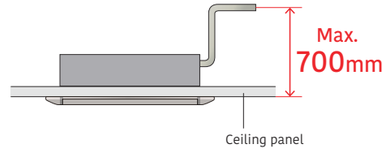
Model name			AUXB004HLBH	AUXB005HLBH	AUXB007HLBH	AUXB009HLBH	AUXB012HLBH	AUXB014HLBH	AUXB018HLBH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6
	Heating		1.3	1.9	2.8	3.2	4.1	5.0	6.3
Input power		W	21	21	23	24	27	33	50
Airflow rate (Cooling / Heating)*	High	m^3/h	530	530	540	550	600	680	820
	Med-High		490 / 480	490 / 480	500	520	560	620	660
	Med		450 / 430	450 / 430	460	480	520	560	590
	Med-Low		420 / 380	420 / 380	420	440	480	500	520
	Low		390 / 340	390 / 340	390	400	430	440	460
	Quiet		350 / 300	350 / 300	350	350	390	390	400
Sound pressure level (Cooling / Heating)*	High	dB(A)	34	34	34	35	37	39	45
	Med-High		32 / 31	32 / 31	32	33	34	37	39
	Med		30 / 29	30 / 29	30	31	33	34	36
	Med-Low		28 / 26	28 / 26	28	29	31	32	33
	Low		27 / 24	27 / 24	27	27	29	30	30
	Quiet		25 / 21	25 / 21	25	25	27	27	27
Net Dimensions (H × W × D)		mm	245 × 570 × 570						
Weight		kg	14.5	14.5	15	15	15.5	15.5	17
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.70	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Cassette Grille	Model name		UTG-UFYH-W						
	Net Dimensions (H × W × D)	mm	49 × 620 × 620						
	Weight	kg	2.3						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
*The value is the same for cooling and heating if there is one value.

Optional parts

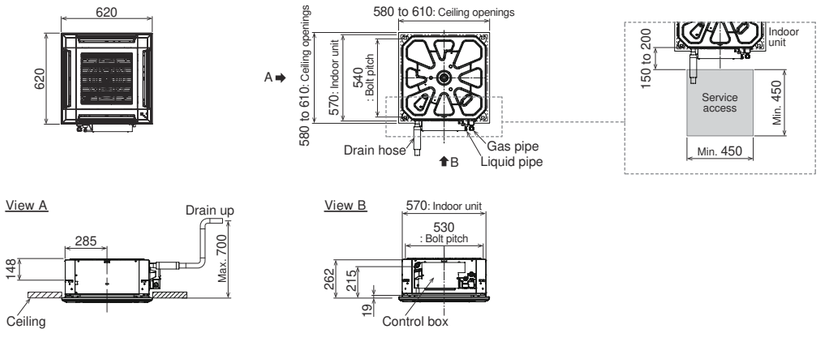
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Flesh Air Intake Kit:	UTZ-VXAA	Gas Sensor Kit:	UTY-SGZY / UTY-SGZYZ1
Insulation kit for high humidity:	UTZ-KXGC	Air Outlet Shutter Plate:	UTR-YDZB
Silver Ion Filter:	UTD-HFAA	External power supply unit:	UTZ-GXXD
Remote Sensor Kit:	UTY-XSZXZ1	Shut off valve kit:	UTP-GX027A / UTP-GX060A / UTP-GX090A
Cassette Grille:	UTG-UFYH-W		
Expansion Kit:	UTZ-JXXA		



Dimensions

(Unit: mm)



NEW

Cassette

Circular Flow

Slim

(Built-in gas sensor)

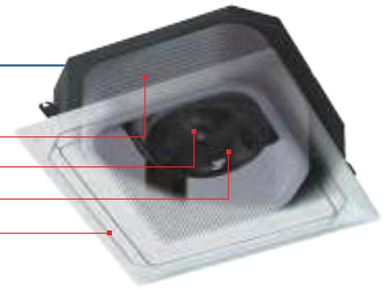


REFRIGERANT R32

DC FAN

Unique Circular Flow Design

This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.



Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.





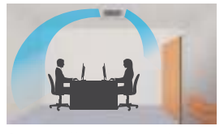
Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

Safety measures in Case of Refrigerant Leak



Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*

*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only

Model: AUXM009HLBH / AUXM012HLBH / AUXM014HLBH
AUXM018HLBH / AUXM024HLBH / AUXM030HLBH

AUXN018HLBH
* Production by order



Specifications

Model name			AUXM009HLBH	AUXM012HLBH	AUXM014HLBH	AUXM018HLBH	AUXM024HLBH	AUXM030HLBH	AUXN018HLBH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	9.0	5.6
	Heating		3.2	4.0	5.0	6.3	8.0	10.0	6.3
Input power		W	18	18	18	19	28	55	55
Airflow rate	High	m^3/h	930	930	930	950	1,160	1,520	1,520
	Med-High		900	900	900	930	1,080	1,190	1,190
	Med		870	870	870	900	950	1,100	1,100
	Med-Low		840	840	840	870	930	950	950
	Low		810	810	810	840	900	930	930
	Quiet		780	780	780	810	810	810	810
Sound pressure level	High	dB(A)	31	31	31	32	35	42	42
	Med-High		30	30	30	31	34	36	36
	Med		30	30	30	30	32	34	34
	Med-Low		29	29	29	29	31	32	32
	Low		29	29	29	29	30	31	31
	Quiet		28	28	28	28	28	28	28
Dimensions (H × W × D)		mm	246 × 840 × 840						
Weight		kg	24.5	24.5	24.5	25.0	25.0	25.0	25.0
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	9.52	9.52	6.35
	Gas (Flare)		9.52	12.7	12.7	12.7	15.88	15.88	12.7
Drain Hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32
Cassette Grille	Model name		UTG-UKYC-W / UTG-UKYA-B						
	Dimensions (H × W × D)	mm	53×950×950						
	Weight	kg	6.0						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

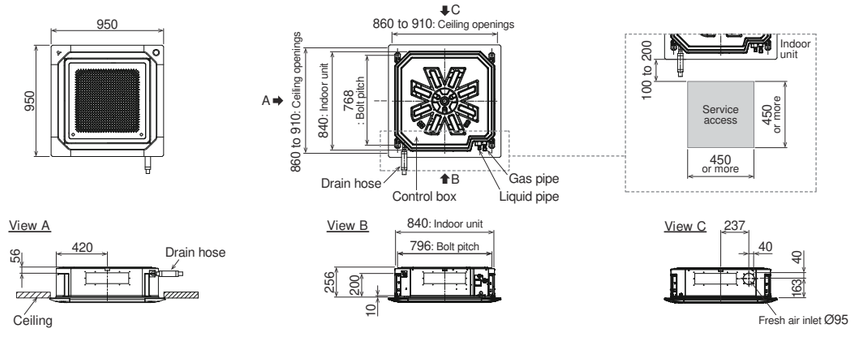
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Occupancy Sensor Kit:	UTY-SHZXC	Air Outlet Shutter Plate:	UTR-YDZK	Silver Ion Filter:	UTD-HFRA
Wide Panel:	UTG-AKXA-W	Insulation Kit for high humidity:	UTZ-KXRA	Remote Sensor Kit:	UTY-XSZXZ1
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UKYC-W, UTG-UKYA-B	Shut off valve kit:	UTP-GX027A / UTP-GX060A / UTP-GX090A
Fresh Air Intake Kit:	UTZ-VXRA	External power supply unit:	UTZ-GXXD		
Gas Sensor Kit:	UTY-SGZY / UTY-SGZYZ1	Expansion kit:	UTZ-JXXA		

Dimensions

(Unit: mm)



NEW

Cassette

Circular Flow

Large

(Built-in gas sensor)

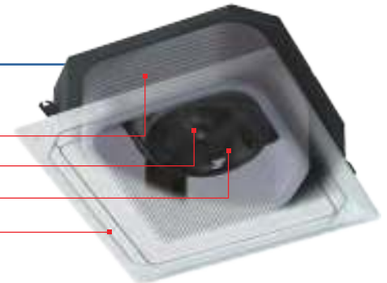


REFRIGERANT R32

DC FAN

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Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.





Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

Safety measures in Case of Refrigerant Leak



Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*

*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only

Model: AUXK018HLBH / AUXK024HLBH / AUXK030HLBH
AUXK034HLBH / AUXK036HLBH / AUXK045HLBH
AUXK054HLBH



Specifications

Model name			AUXK018HLBH	AUXK024HLBH	AUXK030HLBH	AUXK034HLBH	AUXK036HLBH	AUXK045HLBH	AUXK054HLBH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating		6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W	40	40	52	52	66	94	125
Airflow rate	High	m^3/h	1,420	1,420	1,460	1,460	1,620	1,820	2,040
	Med-High		1,360	1,360	1,400	1,400	1,500	1,590	1,800
	Med		1,300	1,300	1,340	1,340	1,400	1,500	1,590
	Med-Low		1,270	1,270	1,300	1,300	1,340	1,400	1,440
	Low		1,200	1,200	1,280	1,280	1,280	1,300	1,300
	Quiet		1,150	1,150	1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	dB(A)	38	38	39	39	41	44	47
	Med-High		37	37	38	38	40	42	45
	Med		36	36	37	37	38	40	42
	Med-Low		35	35	36	36	37	38	39
	Low		34	34	36	36	36	36	36
	Quiet		33	33	33	33	33	33	33
Dimensions (H × W × D)		mm	288×840×840						
Weight		kg	27.0	27.0	29.5	29.5	29.5	29.5	29.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		12.7	15.88	15.88	15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32
Cassette Grille	Model name		UTG-UKYC-W / UTG-UKYA-B						
	Dimensions (H × W × D)	mm	53×950×950						
	Weight	kg	6.0						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

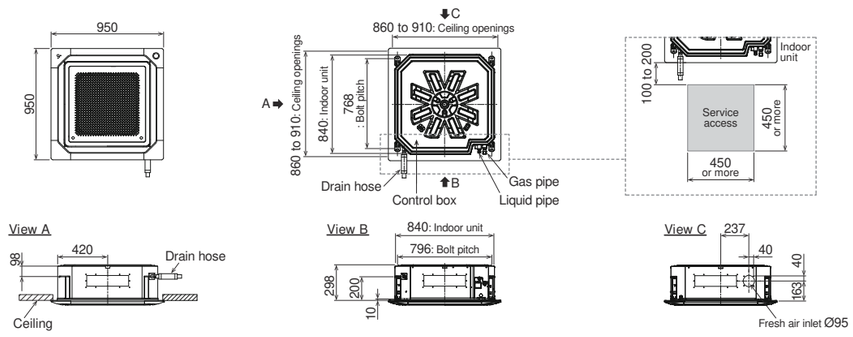
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Occupancy Sensor Kit:	UTY-SHZXC	Air Outlet Shutter Plate:	UTR-YDZK	Silver Ion Filter:	UTD-HFRA
Wide Panel:	UTG-AKXA-W	Insulation Kit for high humidity:	UTZ-KXRA	Remote Sensor Kit:	UTY-XSZXZ1
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UKYC-W, UTG-UKYA-B	Shut off valve kit:	UTP-GX027A / UTP-GX060A / UTP-GX090A
Fresh Air Intake Kit:	UTZ-VXRA	External power supply unit:	UTZ-GXXD		
Gas Sensor Kit:	UTY-SGZY / UTY-SGZYZ1	Expansion kit:	UTZ-JXXA		

Dimensions

(Unit: mm)



NEW

Cassette

1-Way Flow

(Built-in gas sensor)



REFRIGERANT R32

DC FAN

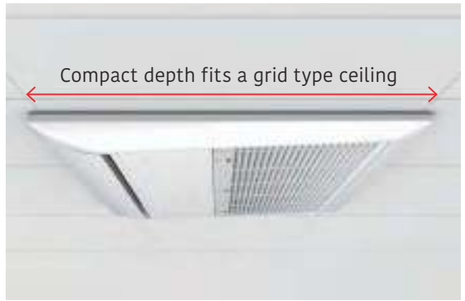
Compact Chassis Size

The compact size allows easy installation in a variety of commercial facilities and environments.

- The height of the chassis is less than 200 mm for all models.
- All 4 to 12 kBtu models are less than 1,000 mm wide.
- The depth of the chassis is 570 mm, which fits nicely into a grid type ceiling.

Dimensions (Panel size) (Unit: mm)

	4	5	7	9	12	14	18	24
H	198 (43)					198 (43)		
W	785 (950)					1,190 (1,360)		
D	570 (620)					570 (620)		



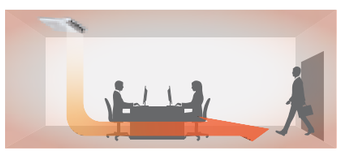
Wide Airflow Range

A large flap with a wide range of movements, equipped with louvers arranged triangularly, sends air into every corner of the room.

In cooling mode, the left/right airflow reaches every corner of the room without directly touching the human body to provide comfortable air conditioning.



In heating mode, warm air is directed downward toward the floor to warm the feet and lower body, while the head is kept relatively cool.



Note: This is a conceptual drawing. The performance of an air conditioner may vary depending on where it is installed, the size of the room, and its distance from the wall.

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*



*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Quiet Mode

The low operating noise makes the model ideal for use in hotel rooms.



Model: AUXV004HLBH / AUXV005HLBH / AUXV007HLBH
AUXV009HLBH / AUXV012HLBH / AUXV014HLBH
AUXV018HLBH / AUXV024HLBH



AUXV004/005/007/009/012HLBH



AUXV014/018/024HLBH

Specifications

Model name			AUXV004HLBH	AUXV005HLBH	AUXV007HLBH	AUXV009HLBH	AUXV012HLBH	AUXV014HLBH	AUXV018HLBH	AUXV024HLBH
Power source			Single phase,220-240V~, 50Hz							
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	1.9	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	27	27	40	40	55	37	65	142
Airflow rate*	High	m^3/h	460	460	550	550	670	720	970	1,350
	Med-High		440	440	440	440	520	660	900	1,180
	Med		420	420	420	420	480	630	820	1,020
	Med-Low		400	400	400	400	450	600	740	860
	Low		380	380	380	380	410	580	660	700
	Quiet		360	360	360	360	360	550	580	610
Sound pressure level*	High	dB(A)	38	38	42	42	45	37	46	55
	Med-High		37	37	37	37	41	36	44	49
	Med		36	36	36	36	39	35	42	47
	Med-Low		35	35	35	35	38	34	39	42
	Low		33	33	33	33	36	33	36	39
	Quiet		32	32	32	32	32	32	34	36
Net Dimensions (H × W × D)		mm	198 × 785 × 570					198 × 1,190 × 570		
Weight		kg	17.5	17.5	18.5	18.5	18.5	26.0	26.0	26.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	9.52	12.7	12.7	12.7	15.88
Drain Hose Diameter (I.D./O.D.)			25/32							
Cassette Grille	Model name		UTG-UNYC-W					UTG-UNYD-W		
	Net Dimensions (H × W × D)	mm	43 × 950 × 620					43 × 1,360 × 620		
	Weight	kg	6.5					8.5		

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

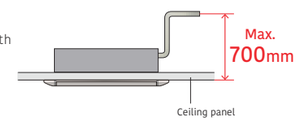
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Cassette Grille:	UTG-UNYC-W (004-012), UTG-UNYD-W (014-024)
External power supply unit:	UTZ-GXXD
Remote sensor kit:	UTY-XSZXZ1
Shut off valve kit:	UTP-GX027A, UTP-GX060A, UTP-GX090A
Gas Sensor kit:	UTY-SGZY, UTY-SGZYZ1
Expansion kit:	UTZ-JXXA

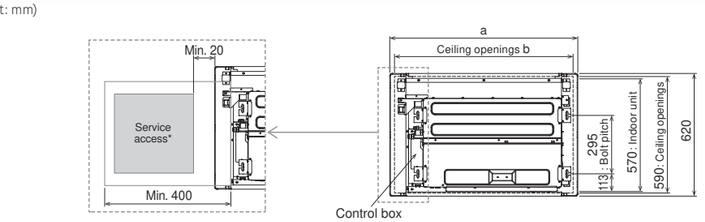
Flexible Installation

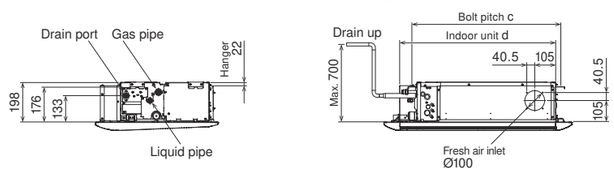
The L-shaped pipe kit allows for more flexible installation. Equipped with a built-in drain pump as standard, which enables a maximum pipe height difference of 700 m from the ceiling.



Dimensions

(Unit: mm)





	AUXV 004/005/007/009/012 HLBH	AUXV 014/018/024 HLBH
a	950	1,360
b	920	1,330
c	752	1,152
d	785	1,190

*The design of the service access depends on the installation method. Refer to the installation manual for more information.

NEW

Duct

Low static pressure

Mini duct

(Built-in gas sensor)

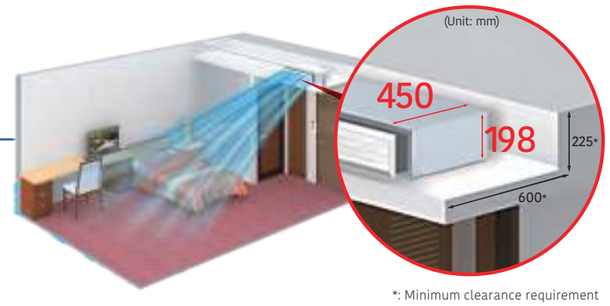


REFRIGERANT R32

DC FAN

Space Saving Design

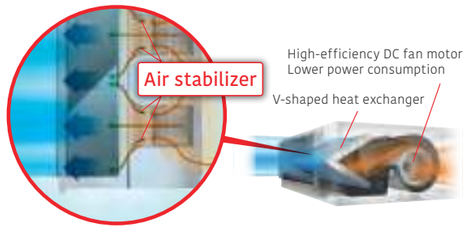
• Fits into a space 198 mm high and 450 mm deep



*: Minimum clearance requirement

Optimum Airflow Path and Low Noise Operation

The stabilized airflow reduces the noise level significantly.

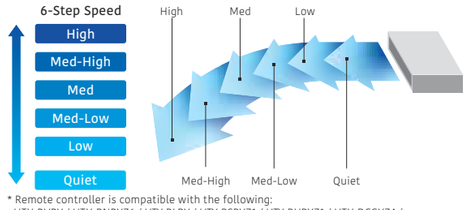


6-Speed Control*

Multistep airflow adjustment allows installation in a quiet location.

Low noise
20 dB(A)

at 004-005 model



* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

Safety measures in Case of Refrigerant Leak

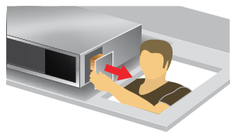


Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*

*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Easy to Design and Maintain for Drain

Indoor unit design for easy maintenance Parts can be replaced from the side of the unit where maintenance is easier.



A drain pump is built into the unit as standard: Parts can be accessed and replaced through the side of the unit for easy maintenance.

Model: ARXK004HLBH / ARXK005HLBH / ARXK007HLBH
ARXK009HLBH / ARXK012HLBH / ARXK014HLBH
ARXK018HLBH / ARXK024HLBH



ARXK004/005/007/009/012HLBH



ARXK014/018HLBH



ARXK024HLBH

Specifications

Model name			ARXK004HLBH	ARXK005HLBH	ARXK007HLBH	ARXK009HLBH	ARXK012HLBH	ARXK014HLBH	ARXK018HLBH	ARXK024HLBH
Power source			Single phase, 220-240V~, 50Hz							
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	1.9	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	26	26	28	33	46	49	98	102
Airflow rate	High	m^3/h	460	460	460	540	640	820	1,150	1,350
	Med-High		440	440	440	490	590	750	990	1,200
	Med		420	420	420	450	530	680	840	1,050
	Med-Low		400	400	400	410	470	610	690	900
	Low		370	370	370	370	410	540	590	750
	Quiet		340	340	340	340	340	470	470	610
Static pressure range		Pa	0 to 30	0 to 30	0 to 30	0 to 30	0 to 30	0 to 50	0 to 50	0 to 50
Standard static pressure			10	10	10	10	10	15	15	15
Sound pressure level	High	dB(A)	25	25	26	26	29	29	35	35
	Med-High		24	24	25	25	27	27	30	30
	Med		23	23	24	24	26	26	28	28
	Med-Low		22	22	23	23	25	25	26	27
	Low		21	21	22	22	24	24	24	25
	Quiet		20	20	21	21	22	22	22	22
Net Dimensions (H × W × D)		mm	198×700×450					198×900×450		198×1,100×450
Weight		kg	14.5	14.5	15.5	15.5	16.0	19.0	19.0	22.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	9.52	12.7	12.7	12.7	15.88
Drain Hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit:	UTY-XSZXZ1	Auto Louver Grille Kit:	UTD-GXTA-W (004-012)
Silver Ion Filter:	UTD-HFTA (004-012)		UTD-GXTB-W (014/018)
	UTD-HFTB (014/018)		UTD-GXTC-W (024)
	UTD-HFTC (024)	Gas Sensor Kit:	UTY-SGZY,
External power supply unit:	UTZ-GXXD		UTY-SGZYZ1
Shut off valve kit:	UTP-GX027A /	Expansion kit:	UTZ-JXXA
	UTP-GX060A /		
	UTP-GX090A		

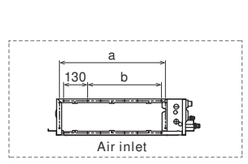
Auto Louver Grille Kit (Optional)

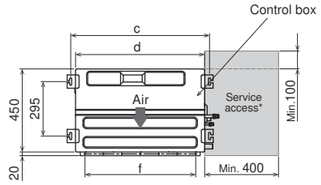
The slim design of the unit provides comfortable cooling and heating air conditioning over a wide area.
The optional automatic louver grille, which fits nicely into any interior decor, provides comfortable air conditioning (Optional)



Dimensions

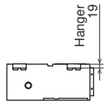
(Unit: mm)

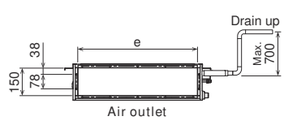


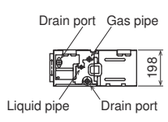


	ARXK 004-012 HLBH	ARXK 014/018 HLBH	ARXK 024 HLBH
a	575	775	975
b	P200 × 2 = 600	P200 × 3 = 600	P200 × 4 = 800
c	752	952	1,152
d	700	900	1,100
e	650	850	1,050
f	P100 × 6 = 600	P100 × 8 = 800	P100 × 10 = 1,000

*The design of the service access depends on the installation method. Refer to the installation manual for more information.







NEW

Duct

Low static pressure

Slim duct

(Built-in gas sensor)

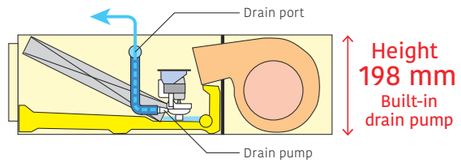


REFRIGERANT R32

DC FAN

Slim Design

Slim design allows for installation in a tight ceiling space.



Flexible Installation

Ceiling concealed



Floor concealed

Wide Range of Static Pressures

The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa.
The static pressure range can be changed by a remote controller.



Static pressure range
0 to 90 Pa

* ARXD004-018

Air Intake

Air intake direction can be selected to match the installation site.

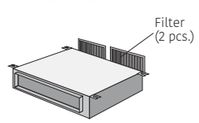
Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector.
Countermeasures for issues caused by refrigerant inside the room are possible.*

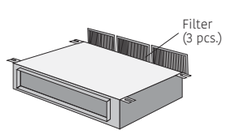
*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Filter (Accessory)

ARXD004-018
ARXP009-014



ARXD024



Model: ARXD004HLBH / ARXD005HLBH / ARXD007HLBH / ARXD009HLBH
ARXD012HLBH / ARXD014HLBH / ARXD018HLBH / ARXD024HLBH

ARXP009HLAH / ARXP012HLAH / ARXP014HLAH
* Production by order. This product does not include a gas sensor.



ARXD004/005/007/009/012/014HLBH
ARXP009/012/014HLAH



ARXD018HLBH



ARXD024HLBH

Specifications

Model name			ARXD 004HLBH	ARXD 005HLBH	ARXD 007HLBH	ARXD 009HLBH	ARXD 012HLBH	ARXD 014HLBH	ARXD 018HLBH	ARXD 024HLBH	ARXP 009HLAH	ARXP 012HLAH	ARXP 014HLAH
Power source			Single phase, 220-240V~, 50Hz										
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1	2.8	3.6	4.5
	Heating		1.3	1.9	2.8	3.2	4.0	5.0	6.3	8.0	3.2	4.0	5.0
Input power		W	38	38	41	47	48	84	76	107	77	128	128
Airflow rate	High	m^3/h	530	530	550	600	580	790	930	1,250	770	940	940
	Med-High		480	480	520	550	550	720	880	1,180	630	810	810
	Med		440	440	480	500	520	640	780	1,060	530	660	660
	Med-Low		410	410	450	460	480	560	670	930	480	580	580
	Low		370	370	400	400	430	470	580	810	430	490	490
	Quiet		320	320	360	360	350	370	510	640	380	390	390
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50	0 to 25	0 to 25	0 to 25
Standard static pressure			25	25	25	25	25	25	25	25	25	25	25
Sound pressure level	High	dB(A)	26	26	28	29	30	34	34	35	36	40	40
	Med-High		26	26	26	27	28	32	31	32	32	38	38
	Med		25	25	25	25	27	30	29	30	28	33	33
	Med-Low		24	24	24	24	26	28	27	27	27	31	31
	Low		22	22	22	22	24	25	25	24	25	27	27
	Quiet		21	21	21	21	22	22	23	21	23	24	24
Net Dimensions (H × W × D)		mm	198×700×620						198×900×620	198×1,100×620	198×700×620		
Weight		kg	16.0	16.0	16.5	16.5	17.0	17.0	21.0	25.0	16.5	17.0	17.0
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.7	12.7	12.7	15.88	9.52	12.7	12.7
Drain Hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit:	UTY-XSZXZ1	Auto Louver Grille Kit:	UTD-GXTA-W (004-014)
External power supply unit:	UTZ-GXXD		UTD-GXTB-W (018)
Shut off valve kit:	UTP-GX027A / UTP-GX060A / UTP-GX090A		UTD-GXTC-W (024)
		Silver Ion Filter:	UTD-HFTA (004-014)
			UTD-HFTB (018)
Expansion Kit:	UTZ-JXXA		UTD-HFTC (024)
Gas Sensor Kit:	UTY-SGZY / UTY-SGZYZ1		

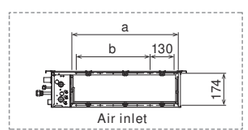
Auto Louver Grille Kit (Optional)

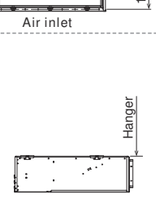
The optional clean-looking flat Auto louver blends into any interior and provides a comfortable airflow.

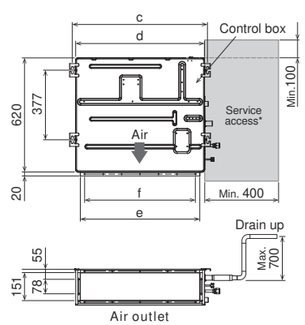


Dimensions

(Unit: mm)

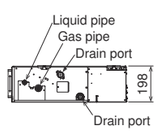






	ARXD004-014HLBH ARXP009-014HLAH	ARXD018HLBH	ARXD024HLBH
a	574	774	974
b	P200×2=400	P200×3=600	P200×4=800
c	734	934	1,134
d	700	900	1,100
e	650	850	1,050
f	P100×6=600	P100×8=800	P100×10=1,000

*The design of the service access depends on the installation method. Refer to the installation manual for more information.



NEW

Duct

Medium static pressure

(Built-in gas sensor)



REFRIGERANT R32

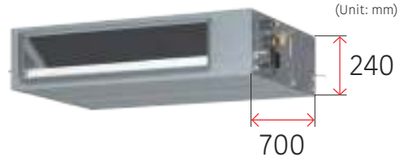
DC FAN

Slim & Compact Design

The product has reduced the height to 240 mm, making it more compact. The slim design fits nicely into narrow spaces under the ceiling.



(Unit: mm)



Easy Maintenance

The indoor unit have large panels on both sides providing easy maintenance in narrow spaces.



Easy inspection of drain hose

A drain hose is an accessory, making it easy to design ditch even in narrow spaces under the ceiling. The whole drain hose can be removed for easy replacement and cleaning.

Easy cleaning of the heat exchanger

Automatic Airflow Adjustment Function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.

Static pressure automatically adjust !



Safety measures in Case of Refrigerant Leak



Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*

*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Wide Range of Static Pressures

Static pressures can be changed in the range of 30 to 150 Pa.

Static pressure range
30 to 150 Pa

*ARXL only

Model: ARXL007HTBH / ARXL009HTBH / ARXL012HTBH / ARXL014HTBH / ARXL018HTBH
ARXL024HTBH / ARXL030HTBH / ARXL036HTBH / ARXL045HTBH

ARXP018HTBH / ARXP030HTBH
* Production by order



ARXL007/009/012/014/018HTBH



ARXL024/030HTBH



ARXL036/045HTBH
ARXP018/030HTBH

Specifications

Model name			ARXL 007HTBH	ARXL 009HTBH	ARXL 012HTBH	ARXL 014HTBH	ARXL 018HTBH	ARXL 024HTBH	ARXL 030HTBH	ARXL 036HTBH	ARXL 045HTBH	ARXP 018HTBH	ARXP 030HTBH
Power source			Single phase, 220-240V~, 50Hz										
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	12.5	5.6	9.0
	Heating		2.8	3.2	4.0	5.0	6.3	8.0	10.0	12.5	14.0	6.3	10.0
Input power		W	48	48	55	72	112	105	193	192	272	100	210
Airflow rate	High	m^3/h	650	650	700	800	970	1,230	1,630	2,070	2,360	1,540	2,160
	Med-High		590	590	630	720	880	1,140	1,460	1,920	2,160	1,500	1,990
	Med		540	540	570	660	780	1,040	1,280	1,760	1,940	1,440	1,810
	Med-Low		490	490	510	600	680	940	1,100	1,600	1,720	1,380	1,630
	Low		440	440	450	540	580	840	920	1,440	1,500	1,320	1,450
	Quiet		390	390	390	480	480	740	860	1,280	1,390	1,280	1,280
Static pressure range		Pa	30 to 150	30 to 150	30 to 150	30 to 150	30 to 150	30 to 150	30 to 150	30 to 150	30 to 150	30 to 40	30 to 50
Standard static pressure			40	40	40	40	40	50	50	50	60	40	50
Sound pressure level	High	dB(A)	29	29	30	33	36	34	39	38	41	33	39
	Med-High		27	27	28	30	34	32	37	36	39	32	37
	Med		25	25	26	28	31	30	33	34	37	31	35
	Med-Low		23	23	24	26	28	28	30	32	34	30	32
	Low		22	22	22	24	25	26	26	30	31	29	30
	Quiet		20	20	20	23	22	23	25	28	29	28	27
Net Dimensions (H × W × D)		mm	240×700×700					240×1,000×700		240×1,400×700			
Weight		kg	24.5	24.5	24.5	25.0	25.0	32.0	32.0	42.5	42.5	42.5	42.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	9.52	9.52	9.52	9.52	6.35	9.52
	Gas (Flare)		9.52	9.52	12.7	12.7	12.7	15.88	15.88	15.88	15.88	12.7	15.88
Drain Hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

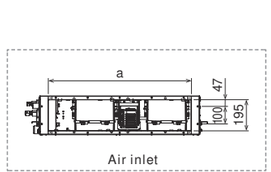
Remote sensor unit: UTY-XSZXZ1
External power supply unit: UTZ-GXXD
Gas Sensor Kit: UTY-SGZY
UTY-SGZYZ1

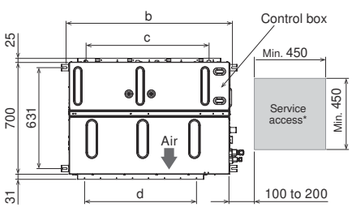
Silver Ion Filter: UTD-HFNC (ARXL007-018)
UTD-HFNB (ARXL024/030),
UTD-HFNA (ARXL036/045, ARXP018/030)
Expansion kit: UTZ-JXXA

Long Life Filter: UTD-LFDC (ARXL007-018)
UTD-LFDB (ARXL024/030),
UTD-LFDA (ARXL036/045, ARXP018/030)
Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A

Dimensions

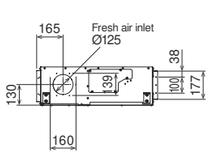
(Unit: mm)

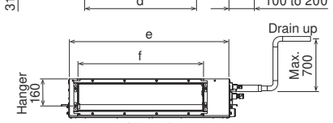


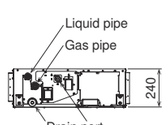


	ARXL 007-018HTBH	ARXL 024-030HTBH	ARXL036-045HTBH ARXP018-030HTBH
a	650	895	1,295
b	740	1,040	1,440
c	P100 × 5 = 500	P100 × 8 = 800	P100 × 12 = 1,200
d	P100 × 4 = 400	P100 × 7 = 700	P100 × 11 = 1,100
e	700	1,000	1,400
f	490	790	1,190

*The design of the service access depends on the installation method. Refer to the installation manual for more information.







NEW

High Static Pressure Duct

(Built-in gas sensor)



REFRIGERANT R32

DC FAN

Static Pressure Mode Selection

The use of a DC fan motor makes it possible to adjust the static pressure between 0 to 200 Pa (036) / 260Pa (045/060)

MAX. 200 Pa



036model

MAX. 260 Pa



045/060 models

Easy Installation (Compact & Lightweight)

The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.

(Unit: mm)



036model



045/060 models

Automatic Airflow Adjustment Function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.

Static pressure automatically adjust !





Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*



*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

High-Efficiency DC Fan Motor Achieves Low Energy Consumption

Improved motor efficiency compared to the previous model.



036 model

Model: ARXC036HTBH / ARXC045HTBH / ARXC060HTBH



ARXC036HTBH



ARXC045/060HTBH

Specifications

Model name			ARXC036HTBH	ARXC045HTBH	ARXC060HTBH
Power source			Single phase, 220-240V, 50Hz		
Capacity	Cooling	kW	11.2	12.5	18.0
	Heating		12.5	14.0	20.0
Input power		W	207	297	494
Airflow rate	High	m^3/h	1,990	2,700	3,450
	Med		1,680	2,300	3,010
	Low		1,330	1,890	2,480
Static pressure range		Pa	0 to 200	0 to 260	0 to 260
Standard static pressure			100	100	100
Sound pressure level	High	dB(A)	42	43	47
	Med		36	39	43
	Low		32	35	38
Net Dimensions (H × W × D)		mm	400×1,050×500	425×1,250×490	425×1,250×490
Weight		kg	40.0	53.0	53.0
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88 (Flare)	15.88 (Flare)	15.88 (Flare)
Drain Hose Diameter (I.D./O.D.)			25/32		

Note: Specifications are based on the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Long-life filter: UTD-LF60KA (036)
Remote sensor unit: UTY-XSZXZ1
Expansion kit: UTZ-JXXA

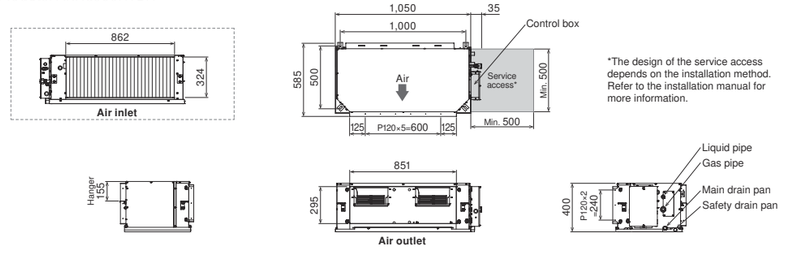
External power supply unit: UTZ-GXXD
Shut off valve kit: UTP-GX027A, UTP-GX060A, UTP-GX090A

Silver Ion Filter: UTD-HFKB (036/045/060)
Gas Sensor kit: UTY-SGZY, UTY-SGZYZ1

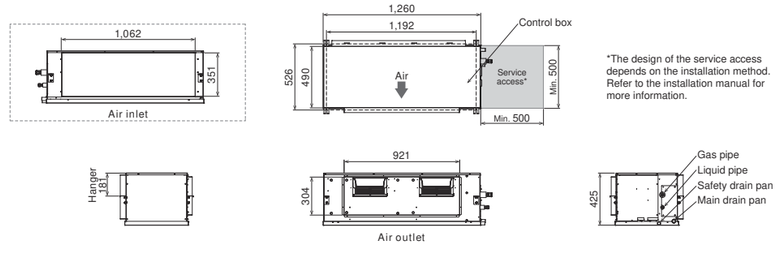
Dimensions

(Unit: mm)

Models: ARXC036HTBH



Models: ARXC045/060HTBH



NEW

High Static Pressure Duct

(Built-in gas sensor)



REFRIGERANT R32

DC FAN

Static Pressure Mode Selection

The use of a DC fan motor makes it possible to adjust the static pressure between 0 to 300 Pa.

MAX. 300 Pa



072/090models

MAX. 300 Pa



096 model

Easy Installation (Compact & Lightweight)

The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.

(Unit: mm)



072/090models



072/090models

Automatic Airflow Adjustment Function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.

Static pressure automatically adjust !





Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*



*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

High-Efficiency DC Fan Motor Achieves Low Energy Consumption

Improved motor efficiency compared to the previous model.



Model: ARXC072HTBH / ARXC090HTBH / ARXC096HTBH



ARXC072/090HTBH



ARXC096HTBH

Specifications

Model name			ARXC072HTBH	ARXC090HTBH	ARXC096HTBH
Power source			Single phase,220-240V~, 50Hz		
Capacity	Cooling	kW	22.4	25.0	28.0
	Heating		25.0	28.0	31.5
Input power		W	688	1,017	924
Airflow rate	High	m^3/h	3,960	4,580	4,950
	Med		3,500	4,000	4,350
	Low		3,000	3,500	3,600
Static pressure range		Pa	0 to 300	0 to 300	0 to 300
Standard static pressure			150	150	150
Sound pressure level	High	dB(A)	47	50	49
	Med		44	45	46
	Low		40	44	42
Net Dimensions (H × W × D)		mm	450×1,587×700	450×1,587×700	550×1,587×700
Weight		kg	84.0	84.0	105.0
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		19.05 (Flare)	19.05 (Flare)	22.22 (Flare)
Drain Hose Diameter (I.D./O.D.)			25/32		

Note: Specifications are based on the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

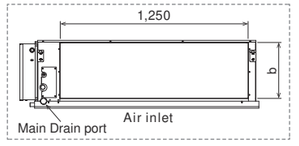
Optional parts

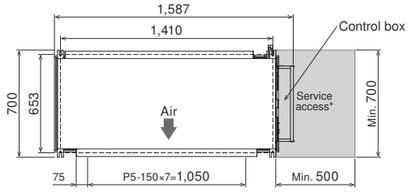
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor kit: UTY-XSZXZ1
Expansion kit: UTZ-JXXA
Gas Sensor kit: UTY-SGZY, UTY-SGZYZ1
External Power Supply Unit: UTZ-GXXD
Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A

Dimensions

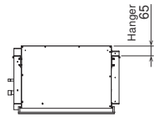
(Unit: mm)

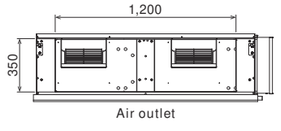


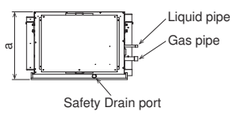


	ARXC 072 / 090 HTBH	ARXC 096 HTBH
a	450	550
b	370	470

*The design of the service access depends on the installation method. Refer to the installation manual for more information.







NEW

Floor

EEV internal / EEV external
(Built-in gas sensor)



REFRIGERANT R32

DC FAN

2-Fan and Wide Airflow

A 2-fan individual vertical airflow cools or warms the entire room comfortably.

Cooling



Heating



Flexible and Easy Installation

The compact and whole-surface suction design provides flexible installation options, including floor-standing, embedded, partially embedded, and wall-mounted installation to match the room layout.



(Unit: mm)

Quiet Operation

6-fan speed control for quiet operation (via 2-wire controller)

Low noise
22 dB(A)

007/009 models



* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*

*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.



Model: [EEV Internal]
AGYA007HCBH / AGYA009HCBH
AGYA012HCBH / AGYA014HCBH

[EEV External]
AGYE007HCBH / AGYE009HCBH
AGYE012HCBH / AGYE014HCBH



Specifications

Model name			AGYA007HCBH	AGYA009HCBH	AGYA012HCBH	AGYA014HCBH	AGYE007HCBH	AGYE009HCBH	AGYE012HCBH	AGYE014HCBH
Power source			Single phase, 220-240V, 50Hz				Single phase, 220-240V, 50Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.0	2.2	2.8	3.6	4.0
	Heating		2.8	3.2	4.0	4.5	2.8	3.2	4.0	4.5
Input power		W	16	17	22	29	16	17	22	29
Airflow rate	High	m^3/h	470	500	590	670	470	500	590	670
	Med-High		420	450	520	590	420	450	520	590
	Med		390	400	470	520	390	400	470	520
	Med-Low		360	360	420	450	360	360	420	450
	Low		330	330	390	390	330	330	390	390
	Quiet		270	270	340	340	270	270	340	340
Sound pressure level	High	dB(A)	37	38	42	46	37	38	42	46
	Med-High		35	36	39	42	35	36	39	42
	Med		33	34	37	39	33	34	37	39
	Med-Low		31	31	35	36	31	31	35	36
	Low		29	29	33	33	29	29	33	33
	Quiet		22	22	30	30	22	22	30	30
Net Dimensions (H × W × D)		mm	600×740×200				600×740×200			
Weight		kg	15.0	15.0	15.0	15.0	14.5	14.5	14.5	14.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	12.7	12.7	9.52	9.52	12.7	12.7
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7				13.8/15.8 to16.7			
EV kit (optional)			-				UTR-EV09XC		UTR-EV14XC	

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

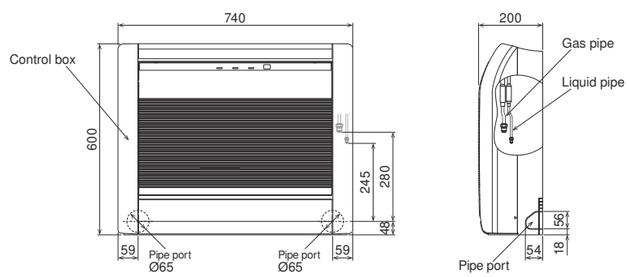
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Partially concealing kit:	UTR-STA	External power supply unit:	UTZ-GXXD	Expansion kit:	UTZ-JXXA
External power supply unit:	UTZ-GXXD	Remote sensor unit:	UTY-XSZXZ1	EV kit:	UTR-EV09XC (007-009),
Silver Ion Filter:	UTR-FA03-5	Shut off valve kit:	UTP-GX027A, UTP-GX060A,		UTR-EV14XC (012-014)
Gas Sensor kit:	UTY-SGZY, UTY-SGZYZ1		UTP-GX090A		(For EEV external model)

Dimensions

(Unit: mm)



NEW

Ceiling

(Built-in gas sensor)



REFRIGERANT R32

DC FAN



Light Elegant Design

The light-elegant, gently curved surface gives a sense of comfort and well-being.

Easy Installation

The indoor unit can be easily installed under the ceiling thanks to the uniquely designed mounting kit.

1. Set mounting brackets



2. Hold up the ceiling unit and fit to the mounting brackets



3. Attach with screws



Easy Maintenance

The front panel can be opened without removing it for safe & speedy maintenance.



The drain pan can be removed for cleaning.



Components in the control box can be easily accessed from the wide side opening.

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*



*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Flexible Installation

The drain hose and pipe can be contained in the casing and connected in the right, left, angled, or downward direction.



Model: ABYA012HTBH / ABYA014HTBH / ABYA018HTBH
ABYA024HTBH / ABYA030HTBH / ABYA036HTBH
ABYA045HTBH / ABYA054HTBH



ABYA012/014/018HTBH



ABYA024/030HTBH



ABYA036/045/054HTBH

Specifications

Model name			ABYA012HTBH	ABYA014HTBH	ABYA018HTBH	ABYA024HTBH	ABYA030HTBH	ABYA036HTBH	ABYA045HTBH	ABYA054HTBH
Power source			Single phase, 220-240V, 50Hz							
Capacity	Cooling	kW	3.6	4.5	5.6	7.1	9.0	11.2	12.5	14.0
	Heating		4.0	5.0	6.3	8.0	10.0	12.5	14.0	16.0
Input power		W	32	32	61	65	117	142	174	210
Airflow rate	High	m^3/h	780	780	990	1,350	1,660	2,100	2,280	2,400
	Med-High		750	750	920	1,220	1,470	1,910	2,040	2,120
	Med		730	730	850	1,100	1,280	1,690	1,800	1,870
	Med-Low		700	700	780	970	1,080	1,480	1,570	1,630
	Low		680	680	710	860	890	1,300	1,310	1,420
	Quiet		650	650	650	700	700	1,050	1,050	1,220
Sound pressure level	High	dB(A)	36	36	42	42	49	48	50	52
	Med-High		35	35	40	40	46	45	47	49
	Med		35	35	38	38	42	43	44	47
	Med-Low		34	34	36	35	38	40	41	44
	Low		33	33	33	32	32	37	37	41
	Quiet		31	31	31	29	29	32	32	38
Net Dimensions (H × W × D)		mm	235×1,080×705			235×1,390×705		235×1,700×705		
Weight		kg	25.0	25.0	25.0	32.0	32.0	39.0	39.0	42.0
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		12.7	12.7	12.7	15.88	15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32							

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

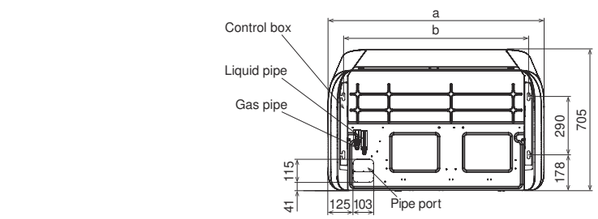
Optional parts

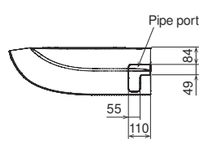
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

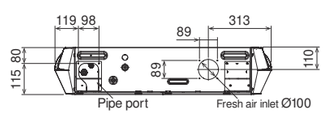
External power supply unit: UTZ-GXXD
Remote sensor unit: UTY-XSZXZ1
L-type piping kit: UTP-FX24A/UTP-FX35A
Shut off valve kit: UTP-GX027A, UTP-GX060A, UTP-GX090A
Gas Sensor kit: UTY-SGZY, UTY-SGZYZ1
Expansion kit: UTZ-JXXA
Drain pump unit: UTR-DPB24T

Dimensions

(Unit: mm)







	ABYA 012/014/018 HTBH	ABYA 024/030 HTBH	ABYA 036/045/054 HTBH
a	1,080	1,390	1,700
b	923	1,233	1,543

NEW

Wall-Mounted

EEV internal / EEV external

(Built-in gas sensor)



REFRIGERANT R32

DC FAN

More Comfortable Airflow

The unique power diffuser provides comfortable air conditioning.

Heating

The vertical airflow provides powerful floor-level heating.



Cooling

The left/right airflow avoids blowing cool air directly at the occupants in a room.



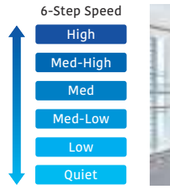
Quiet Operation & 6-Step Fan Speed Control

The airflow pattern achieves significant noise reduction. Multistep airflow adjustment to suit the environment

Quiet mode
22 dB(A)

009/012/014 models

6-Step Speed



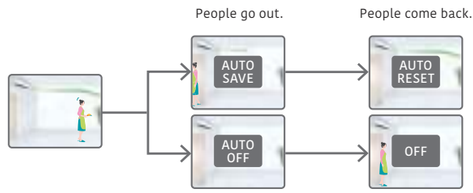


* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*



*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Slim & Stylish Square Design

The slim and stylish square design of this indoor unit is realized by using a highdensity, multipath heat exchanger and a high-efficiency wind blower.



Model: [EEV Internal]
ASYA004HTBH / ASYA005HTBH / ASYA007HTBH
ASYA009HTBH / ASYA012HTBH / ASYA014HTBH
ASYA018HTBH

[EEV External]
ASYE004HTBH / ASYE005HTBH / ASYE007HTBH
ASYE009HTBH / ASYE012HTBH / ASYE014HTBH
ASYE018HTBH



Specifications

Model name			ASYA 004 HTBH	ASYA 005 HTBH	ASYA 007 HTBH	ASYA 009 HTBH	ASYA 012 HTBH	ASYA 014 HTBH	ASYA 018 HTBH	ASYE 004 HTBH	ASYE 005 HTBH	ASYE 007 HTBH	ASYE 009 HTBH	ASYE 012 HTBH	ASYE 014 HTBH	ASYE 018 HTBH
Power source			Single phase, 220-240V, 50Hz							Single phase, 220-240V, 50Hz						
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.0	5.6	1.1	1.7	2.2	2.8	3.6	4.0	5.6
	Heating		1.3	1.9	2.8	3.2	4.0	4.5	6.3	1.3	1.9	2.8	3.2	4.0	4.5	6.3
Input power		W	23	23	23	21	31	41	68	23	23	23	21	31	41	68
Airflow rate	High	m^3/h	490	490	490	490	640	740	930	490	490	490	490	640	740	930
	Med-High		460	460	460	460	590	680	840	460	460	460	460	590	680	840
	Med		430	430	430	430	530	590	730	430	430	430	430	530	590	730
	Med-Low		400	400	400	400	460	500	610	400	400	400	400	460	500	610
	Low		370	370	370	370	390	410	500	370	370	370	370	390	410	500
	Quiet		330	330	330	330	330	330	380	330	330	330	330	330	330	380
Sound pressure level	High	dB(A)	33	33	33	33	40	44	49	33	33	33	33	40	44	49
	Med-High		32	32	32	31	38	42	47	32	32	32	31	38	42	47
	Med		31	31	31	29	35	38	43	31	31	31	29	35	38	43
	Med-Low		30	30	30	28	31	34	39	30	30	30	28	31	34	39
	Low		29	29	29	27	28	28	33	29	29	29	27	28	28	33
	Quiet		24	24	24	22	22	22	27	24	24	24	22	22	22	27
Net Dimensions (H × W × D)		mm	270×834×239							270×834×239						
Weight		kg	10.5	10.5	10.5	10.5	10.5	10.5	11.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.7	12.7	12.7	9.52	9.52	9.52	9.52	12.7	12.7	12.7
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7							13.8/15.8 to16.7						
EV kit (optional)			–							UTR-EV09XC				UTR-EV14XC		

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

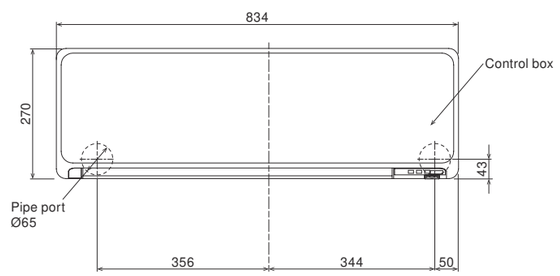
Optional parts

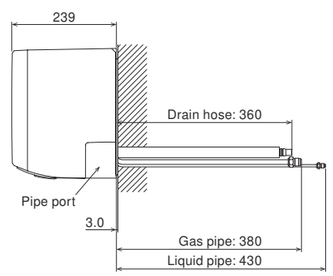
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXD
EV kit: UTR-EV09XC (004-009), UTR-EV14XC (012-018) (For EEV external model)
Shut off valve kit: UTP-GX027A, UTP-GX060A, UTP-GX090A
Gas Sensor kit: UTY-SGZY, UTY-SGZYZ1
Expansion kit: UTZ-JXXA
Silver Ion Filter: UTR-FA16-5
Remote sensor unit: UTY-XSZXZ1

Dimensions

(Unit: mm)





NEW

Wall-Mounted

(Built-in gas sensor)

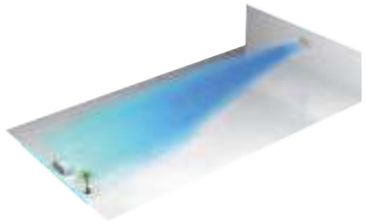


REFRIGERANT R32

DC FAN

Powerful & Comfort Airflow

Powerful Airflow



6-Step Fan Speed Control for Quiet Operation

The airflow pattern achieves significant noise reduction. A 6-step sound level setting allows for multiple-step quiet operations.

Quiet mode
33 dB(A)

All models

6-Step Speed
High
Med-High
Med
Med-Low
Low
Quiet

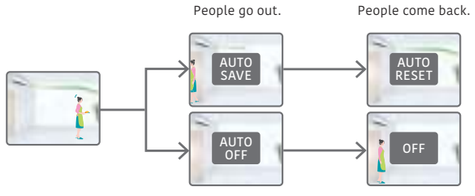


* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ6 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.*

*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.



Model: ASYB018HTBH / ASYB024HTBH
ASYB030HTBH / ASYB034HTBH



Specifications

Model name			ASYB018HTBH	ASYB024HTBH	ASYB030HTBH	ASYB034HTBH
Power source			Single phase, 220-240V, 50Hz			
Capacity	Cooling	kW	5.6	7.1	9.0	10.0
	Heating		6.3	8.0	10.0	11.2
Input power		W	27	38	82	104
Airflow rate	High	m^3/h	890	1,050	1,440	1,620 / 1,520*
	Med-High		850	970	1,200	1,300
	Med		820	910	1,050	1,120
	Med-Low		780	840	940	980
	Low		740	770	890	890
	Quiet		700	700	700	700
Sound pressure level	High	dB(A)	39	44	53	55 / 54*
	Med-High		38	42	49	51
	Med		37	40	45	47
	Med-Low		36	38	42	43
	Low		34	35	39	39
	Quiet		33	33	33	33
Net Dimensions (H × W × D)		mm	340×1,150×280	340×1,150×280	340×1,150×280	340×1,150×280
Weight		kg	18.0	18.0	18.0	18.0
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	9.52
	Gas (Flare)		12.7	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7			

*Cooling / Heating

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

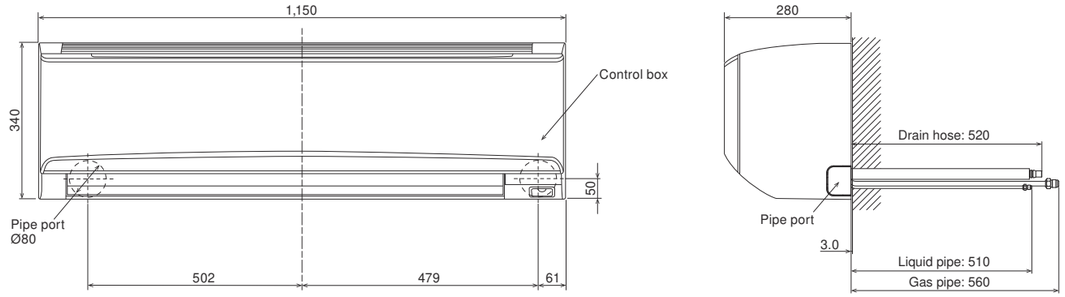
External power supply unit: UTZ-GXXD
Silver Ion Filter: UTR-FA13-3
Remote sensor unit: UTY-XSZXZ1

Shut off valve kit: UTP-GX027A, UTP-GX060A, UTP-GX090A

Expansion kit: UTZ-JXXA
Gas Sensor kit: UTY-SGZH, UTY-SGZHZ1

Dimensions

(Unit: mm)



Wall-Mounted

EEV internal / EEV external



REFRIGERANT R32

DC FAN

Highly-Efficiency, Compact Design

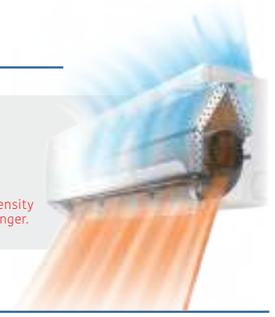
The high-density and large heat exchanger achieves a highly-efficiency and compact design.
The compact body blends in well with conference rooms and offices, providing comfortable air conditioning.

High-density heat exchanger



Slim tube design: 5 mm

Greater heat-exchanging capacity is achieved through the use of a high-density heat exchanger and a sub-heat exchanger.



More Comfortable Airflow

The unique power diffuser provides comfortable air conditioning.

Heating

The vertical airflow provides powerful floor-level heating.



Cooling

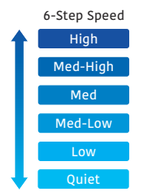
The left/right airflow avoids blowing cool air directly at the occupants in a room.



Quiet Operation & 6-Step Fan Speed Control

The airflow pattern achieves significant noise reduction. Multistep airflow adjustment to suit the environment

Quiet mode
22 dB(A)



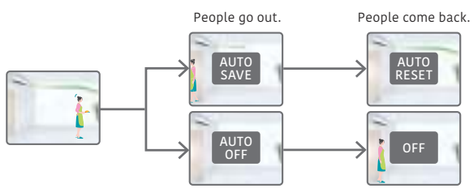


* Remote controller is compatible with the following:
UTY-RVRY / UTY-LNVY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* If you want to use the Occupancy sensor control' function, you need an setting device that can set the Occupancy sensor control' function. For example: Wired RC (Touch panel).



Model: [EEV Internal]
ASYA004HCAH / ASYA005HCAH / ASYA007HCAH
ASYA009HCAH / ASYA012HCAH / ASYA014HCAH

[EEV External]
ASYE004HCAH / ASYE005HCAH / ASYE007HCAH
ASYE009HCAH / ASYE012HCAH / ASYE014HCAH



Specifications

Model name			ASYA004HCAH	ASYA005HCAH	ASYA007HCAH	ASYA009HCAH	ASYA012HCAH	ASYA014HCAH	ASYE004HCAH	ASYE005HCAH	ASYE007HCAH	ASYE009HCAH	ASYE012HCAH	ASYE014HCAH
Power source			Single phase, 220-240V~, 50Hz						Single phase, 220-240V~, 50Hz					
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.0	1.1	1.7	2.2	2.8	3.6	4.0
	Heating		1.3	1.9	2.8	3.2	4.0	4.5	1.3	1.9	2.8	3.2	4.0	4.5
Input power		W	12	12	16	19	25	35	12	12	16	19	25	35
Airflow rate	High	m^3/h	450	450	550	590	660	770	450	450	550	590	660	770
	Med-High		430	430	490	550	590	710	430	430	490	550	590	710
	Med		400	400	450	490	550	650	400	400	450	490	550	650
	Med-Low		380	380	390	420	510	590	380	380	390	420	510	590
	Low		360	360	360	360	450	530	360	360	360	360	450	530
	Quiet		310	310	320	320	320	320	310	310	320	320	320	320
Sound pressure level	High	dB(A)	31	31	34	37	40	44	31	31	34	37	40	44
	Med-High		30	30	32	34	37	42	30	30	32	34	37	42
	Med		28	28	30	32	34	40	28	28	30	32	34	40
	Med-Low		27	27	28	29	33	37	27	27	28	29	33	37
	Low		26	26	26	26	30	34	26	26	26	26	30	34
	Quiet		22	22	22	22	22	22	22	22	22	22	22	22
Net Dimensions (H × W × D)		mm	268 × 840 × 203						268 × 840 × 203					
Weight		kg	8	8	8.5	8.5	8.5	8.5	8	8	8.5	8.5	8.5	8.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.70	12.70	9.52	9.52	9.52	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7						13.8/15.8 to16.7					
EV Kit (optional)			–						UTR-EV09XC				UTR-EV14XC	

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

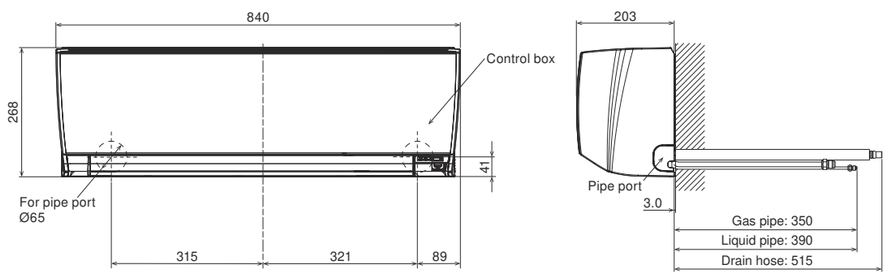
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXD
EV kit: UTR-EV09XC (004-009), UTR-EV14XC (012,014)
Expansion Kit: UTZ-JXXA
Remote Sensor Kit: UTY-XSZXZ1
Silver Ion Filter: UTR-FA16-5
Gas Sensor Kit: UTY-SGZY / UTY-SGZYZ1
Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A

Dimensions

(Unit: mm)



REFRIGERANT R410A

VRF R410A OUTDOOR UNITS

The R410A VRF outdoor units feature a lineup of 5 types and 80 models to meet all architectural design requirements.

We offer a wide range of outdoor units suitable for every application, from small-scale properties like apartments to large-scale commercial facilities and buildings.

V-092 VRF R410A Outdoor Units Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV
V-094 VRF J-IVS
V-098 VRF J-IV
V-102 VRF J-IVL
V-108 VRF VR-IV
V-118 VRF V-IV



VRF R410A Outdoor Unit Lineup

for J-IVS J-IV J-IVL VR-IV V-IV

Capacity (kW)		Refrigerant	12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.0-50.4	55.9-56.0	61.5-62.4	67.0-68.0	72.8-73.0	78.4-78.5	84.0-85.0	89.4-90.4	95.0-96.0	100.5-102.4	106.5-108.0	112.0-113.5	118.0-120.0	125.0-123.5	130.0	135.0
HP			4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
J-IVS series Heat Pump		R410A	AJY040 LCLDH	AJY045 LCLDH	AJY054 LCLDH																					
J-IV series Heat Pump		R410A	AJY040 LBLDH, AJY040 LELDH	AJY045 LBLDH, AJY045 LELDH	AJY054 LBLDH, AJY054 LELDH																					
J-IVL series Heat Pump		R410A				AJY072 LELDH	AJY090 LELDH	AJY108 LELDH	AJY126 LELDH	AJY144 LELDH	AJY162 LELDH															
VR-IV series Heat Recovery	Space Saving Set Model	R410A				AJY072 GALDH	AJY090 GALDH	AJY108 GALDH	AJY126 GALDH	AJY144 GALDH	AJY162 GALDH	AJY180 GALDH	AJY198 GALDH	AJY216 GALDH	AJY234 GALDH	AJY252 GALDH	AJY270 GALDH	AJY288 GALDH	AJY306 GALDH	AJY324 GALDH	AJY342 GALDH	AJY360 GALDH	AJY378 GALDH	AJY396 GALDH	AJY414 GALDH	AJY432 GALDH
	Energy Efficiency Set Model	R410A								AJY144 GALDHH			AJY198 GALDHH	AJY216 GALDHH	AJY234 GALDHH	AJY252 GALDHH	AJY270 GALDHH	AJY288 GALDHH	AJY306 GALDHH	AJY324 GALDHH	AJY342 GALDHH	AJY360 GALDHH	AJY378 GALDHH	AJY396 GALDHH		
V-IV series Heat Pump	Space Saving Set Model	R410A				AJY072 LALDH	AJY090 LALDH	AJY108 LALDH	AJY126 LALDH	AJY144 LALDH	AJY162 LALDH	AJY180 LALDH	AJY198 LALDH	AJY216 LALDH	AJY234 LALDH	AJY252 LALDH	AJY270 LALDH	AJY288 LALDH	AJY306 LALDH	AJY324 LALDH	AJY342 LALDH	AJY360 LALDH	AJY378 LALDH	AJY396 LALDH	AJY414 LALDH	AJY432 LALDH
	Energy Efficiency Set Model	R410A								AJY144 LALDHH		AJY180 LALDHH		AJY216 LALDHH	AJY234 LALDHH	AJY252 LALDHH	AJY270 LALDHH	AJY288 LALDHH	AJY306 LALDHH	AJY324 LALDHH	AJY342 LALDHH	AJY360 LALDHH	AJY378 LALDHH	AJY396 LALDHH		

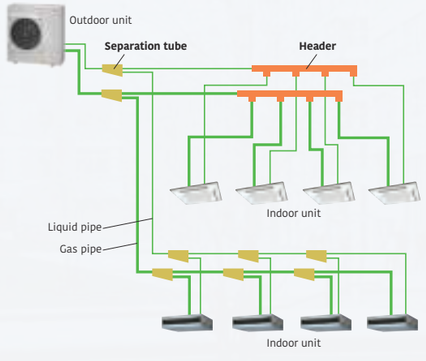
REFRIGERANT R410A

Heat Pump
for Small-capacity type

VRF J-IVS

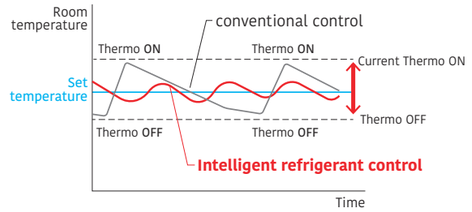
System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.

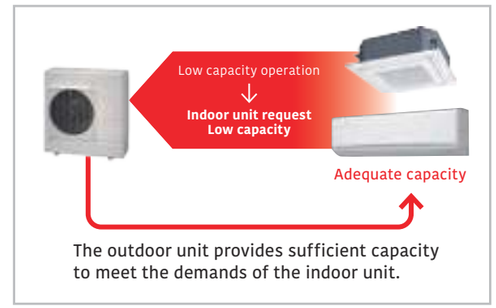


Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature.
Compared to conventional control, the compressor will run longer, thus saving energy.



* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

External Static Pressure

External static pressure measures up to 25 Pa for 4/5/6 HP models.



Advanced High-Efficiency Technology



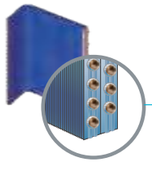
Large propeller fan

A large propeller fan with an optimized blade angle achieves both high performance and low noise operation.



DC fan motor

A small, multi-stage DC fan motor provides high-efficiency and low noise operation.



Large heat exchanger

The large 3-row heat exchanger substantially improves heat-exchanging performance.

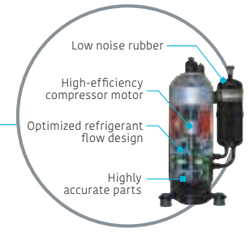


High heat-transfer copper tube (Improved lead angle)



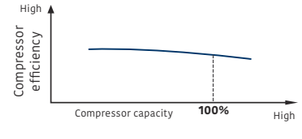
DC inverter control

The active filter module improves efficiency.



Compact and high-performance DC twin-rotary compressor

High-efficiency is achieved across compressor loads. Especially good performance is achieved in the low- to medium-load range.



Easy to Carry, Easy to Install



Model / 6 HP class

Height difference
998mm
▲25%

Light
88kg

Small, Lightweight Outdoor Unit

The outdoor units in this series are much more compact than conventional outdoor units of comparable capacity. They can be installed on a balcony, fitting below the height of the railing. With a height of less than 1 m, they can be installed in tight spaces such as under windows.

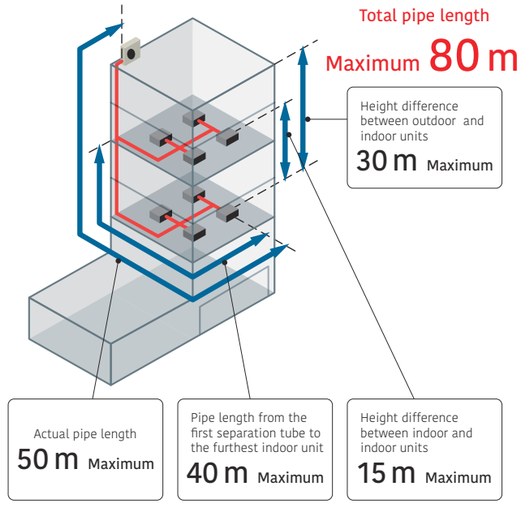


Low Noise Design

Significantly low noise levels are achieved by the use of a DC twin-rotary compressor, inverter technology, and an advanced airflow pattern design.

Long Pipe Length

Our advanced refrigerant control technology extends the maximum allowable length of refrigerant pipe to 80 m. This provides high flexibility in system design.



Up to 13 Indoor Units* can be Connected

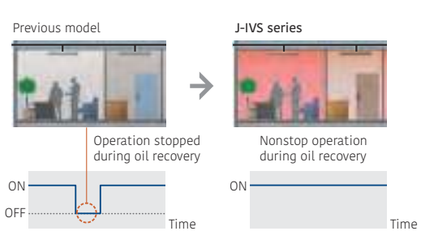
The combination of smaller but sufficiently powerful indoor units and a outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 13 indoor units, which is the best in its class.

*: 6 HP model

Model	J-IVS		
Rating Capacity range (HP)	4	5	6
Max. Connectable indoor unit	1-11	1-12	1-13

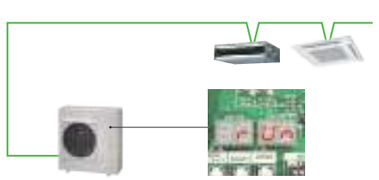
Non-Stop Oil Recovery Operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



Easier Installation

Connection check function: Wiring connections and address settings can be checked thanks to the quick check run function.



- Displays the number of each connected indoor unit.
- Displays the duplicate address number assigned to an indoor unit.

4, 5, 6 HP: AJY040LCLDH / AJY045LCLDH / AJY054LCLDH



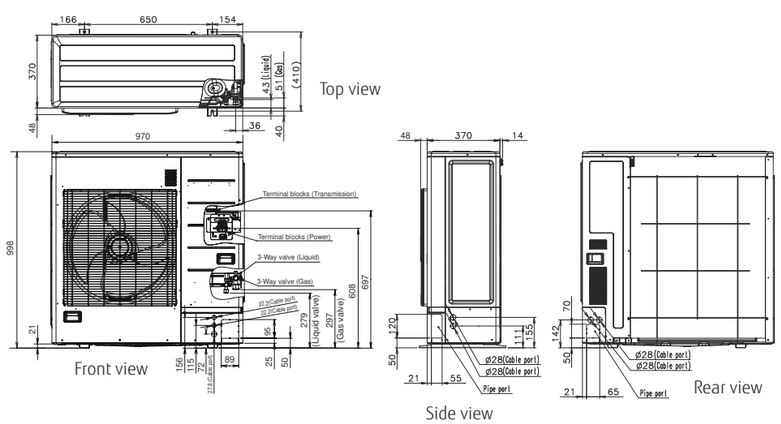
Specifications

Rated capacity range		HP	4	5	6
Model name			AJY040LCLDH	AJY045LCLDH	AJY054LCLDH
Maximum connectable indoor units			1-11	1-12	1-13
Power source			Single phase, 230V~, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.1
	Nominal Heating		12.1	14.0	15.1
	Max. Heating		13.6	16.0	16.5
Input power	Cooling	kW	3.75	4.71	5.55
	Nominal Heating		3.22	3.77	4.33
	Max. Heating		3.99	5.04	5.32
EER	Cooling	W/W	3.22	2.97	2.72
COP	Nominal Heating		3.75	3.71	3.48
	Max. Heating		3.40	3.17	3.10
SEER	Cooling		5.83	5.58	5.47
SCOP	Heating		3.82	3.96	3.99
ηc	Cooling	%	230.2	220.2	215.8
ηh	Heating		149.8	155.4	156.6
Airflow rate		m^3/h	4,240	4,400	4,400
Sound pressure level/ Power level	Cooling	dB(A)	53 / 67	53 / 69	54 / 70
	Heating		54 / 68	56 / 69	56 / 70
Heat exchanger fin			Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	998	998	998
	Width		970	970	970
	Depth		370	370	370
Weight		kg	88	88	88
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	4.0 (8.4)	4.0 (8.4)	4.0 (8.4)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88	15.88	15.88
Total pipe length		m	80	80	80
Max. height difference			30	30	30
Operating Range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.
The protective function may work when using it outside the operation range.

Dimensions

(Unit: mm)



REFRIGERANT R410A

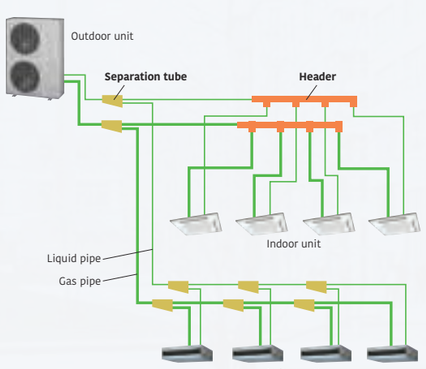
Heat Pump

for Small-capacity type

VRF J-IV

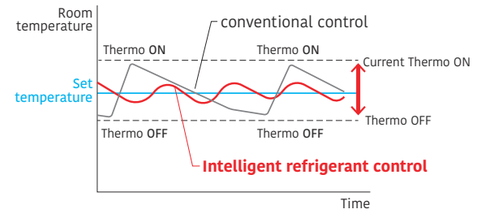
System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.



Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature.
Compared to conventional control, the compressor will run longer, thus saving energy.



* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

External Static Pressure

External static pressure measures up to 30 Pa for 4/5/6 HP.



Advanced High-Efficiency Technology



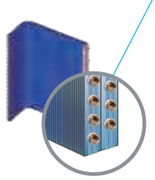
Large propeller fan

A large propeller fan with an optimized blade angle achieves both high performance and low noise operation.



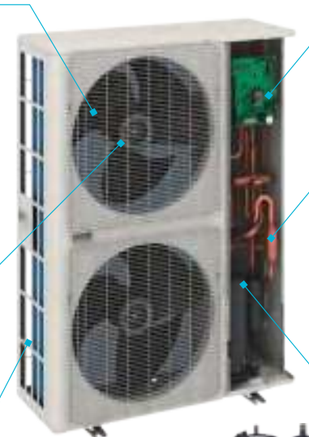
DC fan motor

A small, multi-stage DC fan motor contributes to high-efficiency and low noise operation.



Large heat exchanger

The large 3-row heat exchanger substantially improves heat-exchanging performance.

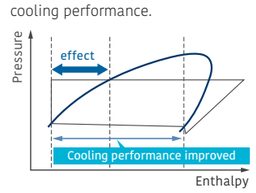


DC inverter control

The active filter module improves efficiency.

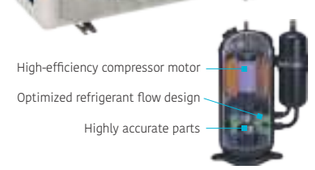
Subcooling heat exchanger

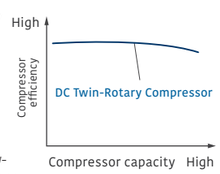
The dual-tube heat exchanger improves cooling performance.



DC twin-rotary compressor

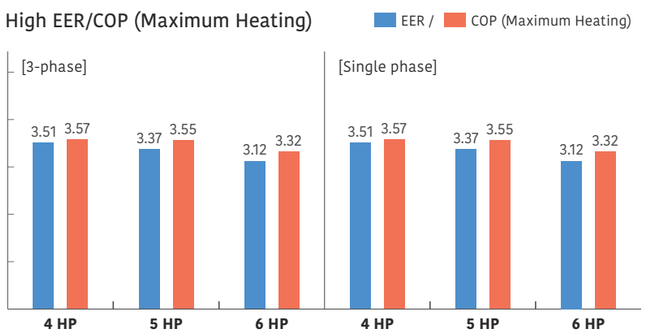
High-efficiency is achieved across compressor loads. Especially good performance is achieved in the low- to medium-load range.





Efficiency in Actual Operating Conditions

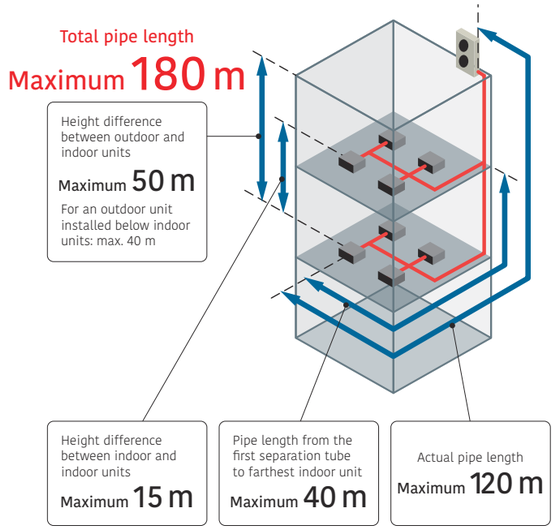
The use of a large heat exchanger and a high-efficiency Scroll compressor achieves class-leading EER/COP (Max. Heating) in all models.



* These specifications are determined by cassette combination.

Long Pipe Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant pipe length of 180 m. This provides high flexibility in system design.



Up to 14 Indoor Units* can be Connected

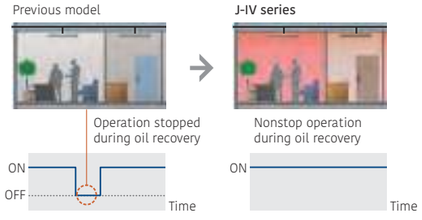
The combination of smaller but sufficiently powerful indoor units and outdoor units with an optimized heat exchanging structure makes it possible to connect up to 14 indoor units, which is the best in its class.

*: 6 HP model

Model	J-IV		
Rating Capacity range (HP)	4	5	6
Max. Connectable indoor unit	1-11	1-12	1-13

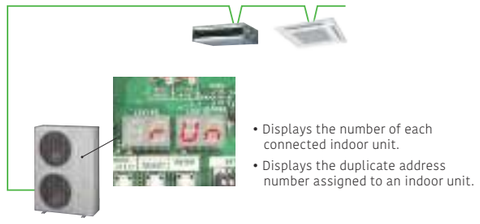
Non-Stop Oil Recovery Operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



Easier Installation

Connection check function: Wire connections and address settings can be checked thanks to the quick check run function.



- Displays the number of each connected indoor unit.
- Displays the duplicate address number assigned to an indoor unit.

4,5,6HP: AJY040LBLDH / AJY045LBLDH / AJY054LBLDH
AJY040LELDH [3-phase] / AJY045LELDH [3-phase] / AJY054LELDH [3-phase]



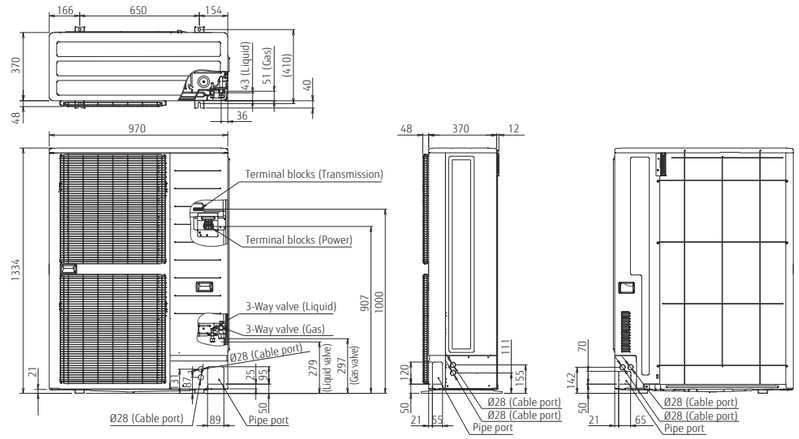
Specifications

Rated capacity range		HP	4	5	6	4	5	6
Model name			AJY040LBLDH	AJY045LBLDH	AJY054LBLDH	AJY040LELDH	AJY045LELDH	AJY054LELDH
Maximum connectable indoor units			1-11	1-12	1-14	1-11	1-12	1-14
Power source			Single phase, 230V~, 50Hz			3-phase, 400V~, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Nominal Heating		12.1	14.0	15.5	12.1	14.0	15.5
	Max. Heating		13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	kW	3.44	4.15	4.96	3.44	4.15	4.96
	Nominal Heating		3.14	3.60	4.17	3.14	3.60	4.17
	Max. Heating		3.80	4.50	5.41	3.80	4.50	5.41
EER	Cooling	W/W	3.51	3.37	3.12	3.51	3.37	3.12
COP	Nominal Heating		3.85	3.88	3.71	3.85	3.88	3.71
	Max. Heating		3.57	3.55	3.32	3.57	3.55	3.32
SEER	Cooling		6.52	6.43	6.14	6.52	6.43	6.14
SCOP	Heating		3.58	3.89	3.85	3.58	3.89	3.85
ηc	Cooling	%	257.8	254.2	242.6	257.8	254.2	242.6
ηh	Heating		140.2	152.6	151.0	140.2	152.6	151.0
Airflow rate		m^3/h	6,200	6,600	7,000	6,200	6,600	7,000
Sound pressure level/ Power level	Cooling	dB(A)	50 / 65	52 / 66	53 / 67	50 / 65	52 / 66	53 / 67
	Heating		52 / 67	55 / 69	56 / 69	52 / 67	55 / 69	56 / 69
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,334	1,334	1,334	1,334	1,334	1,334
	Width		970	970	970	970	970	970
	Depth		370	370	370	370	370	370
Weight		kg	117	117	119	118	119	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		15.88	15.88	19.05	15.88	15.88	19.05
Total pipe length		m	180	180	180	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)			50/40 (Outdoor unit: Upper/Lower)		
Operating Range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.
The protective function may work when using it outside the operation range.

Dimensions

(Unit: mm)



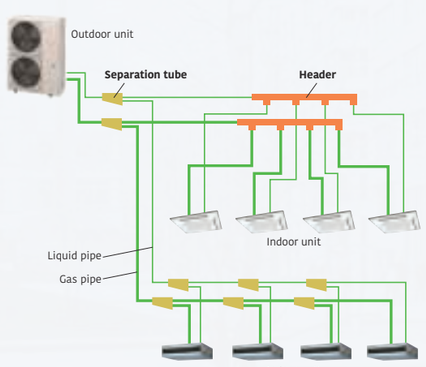
REFRIGERANT R410A

Heat Pump
for Small-capacity type

VRF J-IVL

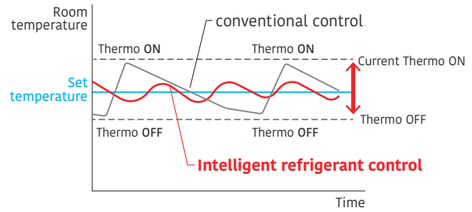
System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.



Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature.
Compared to conventional control, the compressor will run longer, thus saving energy.



* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

External Static Pressure

External static pressure is available up to 60 Pa for 14/16/18 HP. (30 Pa for 8/10 HP, 40 Pa for 12 HP)
Capacities are slightly decreased relative to the rated values during high static pressure operations.





Advanced High-Efficiency Technology



∅570 mm

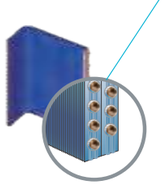
Large propeller fan

A large-diameter propeller fan with our proprietary blade design reduces draft loss, which results in high-efficiency and low noise operation.



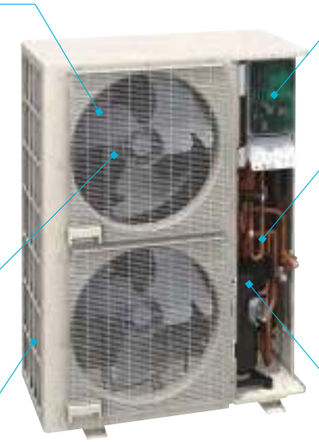
DC fan motor

A small, multi-stage DC fan motor provides high-efficiency and low noise operation.



Large heat exchanger

The large 2.6-row heat exchanger substantially improves heat-exchanging performance.

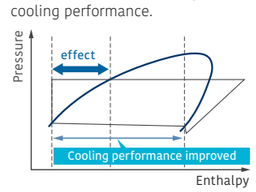


DC inverter control

The active filter module improves efficiency.

Subcooling heat exchanger

The dual-tube heat exchanger improves cooling performance.



15 to 130 rps



Scroll compressor

The combination of a scroll compressor with a wide rotational frequency range from 15 to 130 rps and our proprietary sensorless sine-wave control that smoothly controls the input power into the motor achieves more energy-efficient and quieter operation.

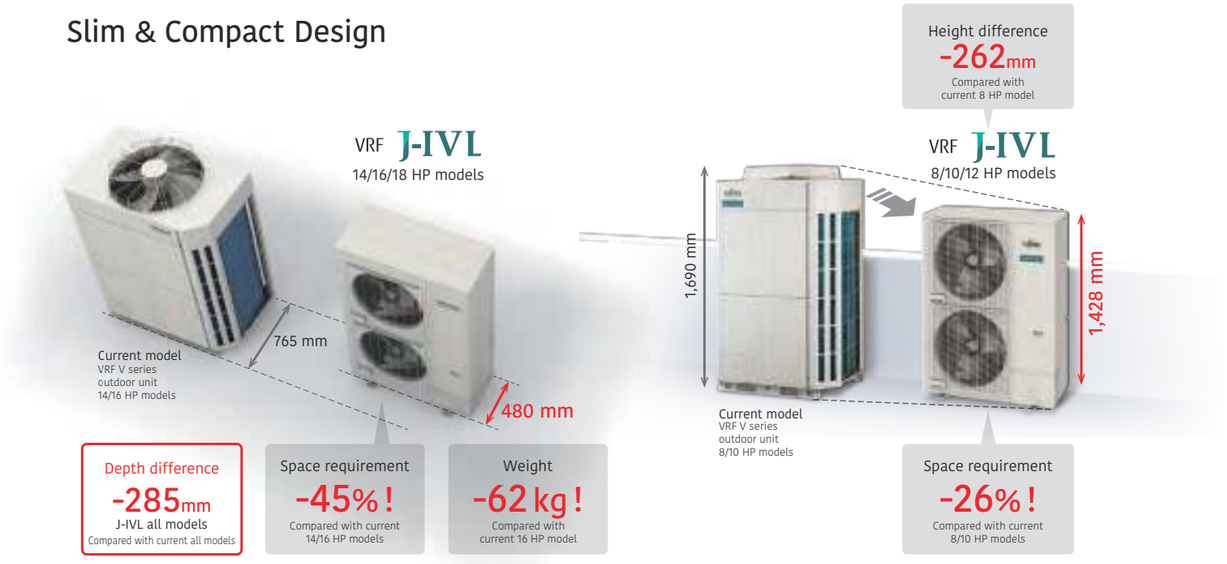


General offers a perfect total air conditioning system for small office buildings with multiple small rooms, taking into consideration energy savings, low noise, comfortable air volume, usage and purpose, and centralized control.

VRF J-IVL

Image: 8/10/12 HP models

Slim & Compact Design



Various Installation Methods





VRF V series outdoor unit

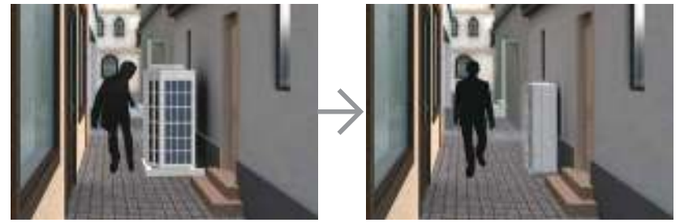
VRF J series outdoor unit

Installation

Low noise level in consideration of nearby residents

Front air discharge type with a width of about 1,000 mm, allowing for flexible installation even in narrow spaces.





VRF V series outdoor unit

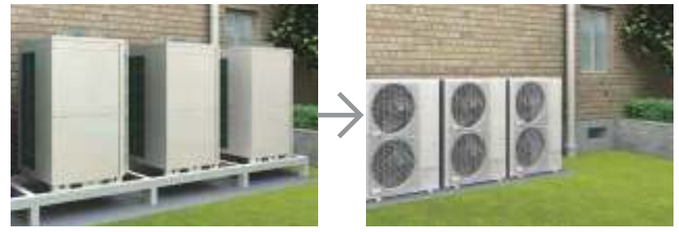
VRF J series outdoor unit

Narrow space behind building

Space saving

Small and thin, allowing for direct ground or wall mounting installations even in narrow alleys.





VRF V series outdoor unit

VRF J series outdoor unit

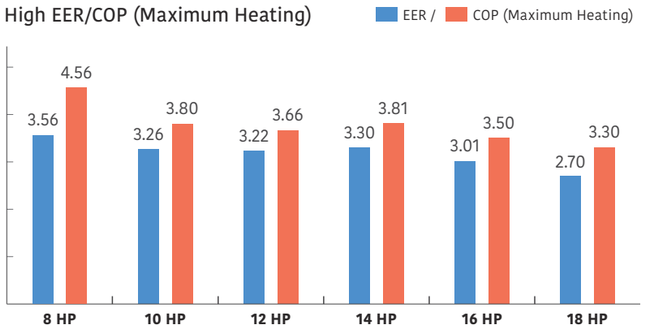
Installation on the back street of a building

Flexible installation

Slim, low-body front air discharge meets the requirements for installation even in tight spaces. Installation flexibility without blocking the windows of buildings contributes to substantial space savings, even when multiple units are installed.

Efficiency in Actual Operating Conditions

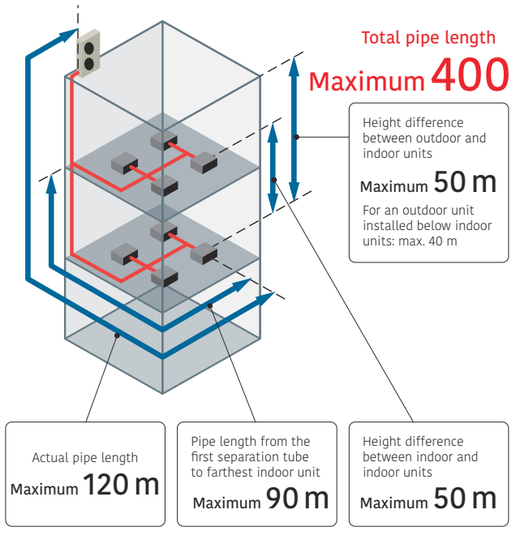
The use of a large heat exchanger and a high-efficiency Scroll compressor achieves class-leading EER/COP (Max. Heating) in all models.



* These specifications are determined by cassette combination.

Long Pipe Length

Our advanced refrigerant control technology extends the maximum allowable length of refrigerant pipe to 400 m. This provides high flexibility in system design.



Up to 42 Indoor Units* can be Connected.

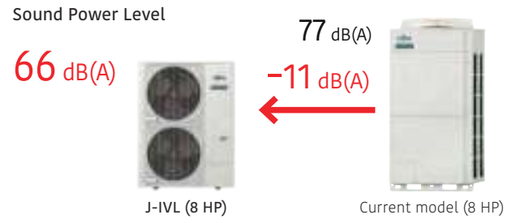
The combination of smaller but sufficiently powerful indoor units and a outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 42 indoor units, which is the best in its class.

*: 18 HP model



Class-Leading Low Operating Sound

The top-class low operating noise makes it ideal for use in densely populated areas. These low operating sound models are ideal for installation in densely populated areas.



J-IVL

8,10,12 HP: AJY072LELDH / AJY090LELDH / AJY108LELDH
14,16,18 HP: AJY126LELDH / AJY144LELDH / AJY162LELDH



8, 10, 12 HP　　14, 16, 18 HP

Specifications

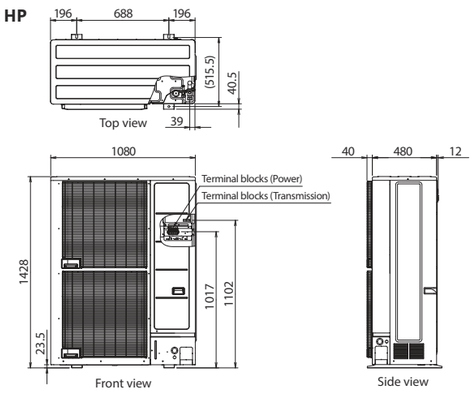
Rated capacity range		HP	8	10	12	14	16	18
Model name			AJY072LELDH	AJY090LELDH	AJY108LELDH	AJY126LELDH	AJY144LELDH	AJY162LELDH
Maximum connectable indoor units			1-20	1-25	1-30	1-36	1-40	1-42
Power source			3-phase, 400V~, 50Hz					
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.0
	Max. Heating		25.0	31.5	37.5	45.0	50.0	55.0
Input power	Cooling	kW	6.30	8.59	10.42	12.12	14.96	18.52
	Nominal Heating		4.65	6.61	8.18	9.71	11.81	13.66
	Max. Heating		5.45	8.29	10.25	11.81	14.29	16.66
EER	Cooling	W/W	3.56	3.26	3.22	3.30	3.01	2.70
COP	Nominal Heating		4.82	4.24	4.10	4.12	3.81	3.66
	Max. Heating		4.56	3.80	3.66	3.81	3.50	3.30
SEER	Cooling		7.62	7.50	7.27	7.27	7.00	6.29
SCOP	Heating		3.89	3.61	3.63	3.53	3.51	3.54
ηc	Cooling	%	301.8	297.0	287.8	287.8	277.0	248.6
ηh	Heating		152.6	141.4	142.2	138.2	137.4	138.6
Airflow rate		m^3/h	8,400	9,000	11,000/12,100	13,000	14,000	14,800/15,300
Sound pressure level/ Power level	Cooling	dB(A)	52/66	54/69	59/73	62/75	64/77	65/79
	Heating		54/66	57/70	62/75	63/76	65/78	68/82
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638	1,638	1,638
	Width		1,080	1,080	1,080	1,080	1,080	1,080
	Depth		480	480	480	480	480	480
Weight		kg	170	177	178	213	213	217
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	7.0 (14.6)	7.5 (15.7)	7.5 (15.7)	11.0 (23.0)	11.0 (23.0)	11.8 (24.6)
Connection pipe diameter	Liquid	mm	9.52	9.52	12.70	12.70	12.70	12.70
	Gas		19.05	22.20	28.58	28.58	28.58	28.58
Total pipe length		m	400	400	400	400	400	400
Max. height difference			50/40 (Outdoor unit: Upper/Lower)					
Operating Range	Cooling	C°	-15 to 46	-15 to 46	-15 to 46	-5 to 46*	-5 to 46*	-5 to 46*
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CDB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.
* The cooling operation range of -15 to 46°C is allowed only when all of the indoor units connected to the system are higher than capacity of 5.6kW.

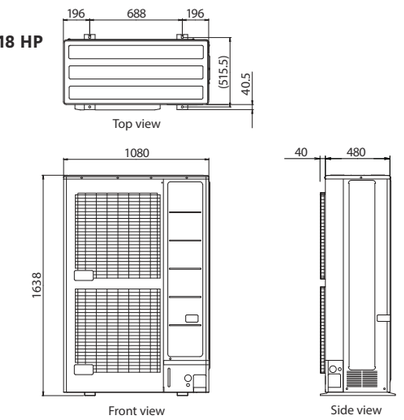
Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16, 18 HP



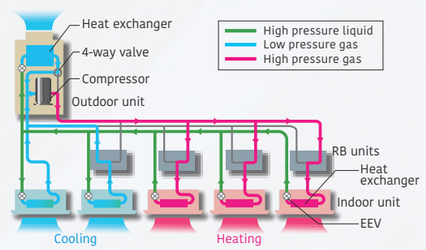
REFRIGERANT R410A

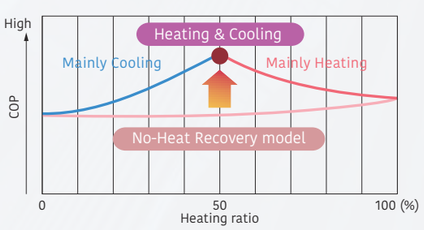
Heat Recovery
Modular type

VRF VR-IV

Highly energy-efficient operation

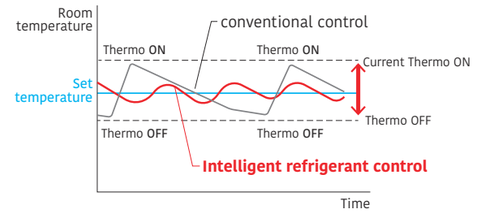
Our heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.





Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature.
Compared to conventional control, the compressor will run longer, thus saving energy.



* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

Increase in The Number of Connectable Indoor Units

Capacity range of connectable indoor units

VR-IV	25%* to 150%
Current model (VR-II)	50% to 150%

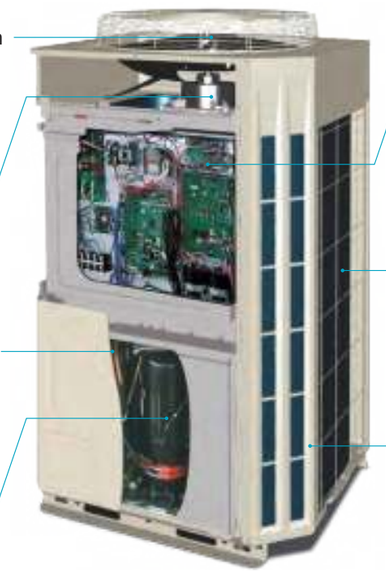
*: For modular type, 25% to 49.9% operation in the entire system is available. (by one unit operation)

Increased number of connectable indoor units and space saving combinations

(Unit)

HP	10	12	14	16	···	28	30	32	···	48
VR-IV	21	26	30	34	···	60	64	64	···	64
Current model (VR-II)	15	16	17	21	24	···	42	45	48	···	64

The Energy-Saving Technology that Boosted Operation Efficiency



Powerful large propeller fan
The fan uses CFD* technology to achieve both high performance and low noise operation.
*CFD: Computational Fluid Dynamics

3-phase DC fan motor
The use of a DC fan motor with sophisticated driver control improves energy efficiency substantially. In addition, this motor operates quietly.

Subcooling heat exchanger
High heat exchange efficiency is achieved by using an internal projection-shape double-pipe construction.

High-efficient, large-capacity DC twin-rotary compressor
Large-capacity high-efficient DC twin-rotary compressor with excellent intermediate capability.

Sine-wave DC inverter control
High-efficiency is realized by the adoption of reduced switching loss IPM.

4-face heat exchanger
The 4-face heat exchanger increases the effective surface area and significantly improves heat-exchanging efficiency.

Front intake port
(Corner cut air inlet structure)
In multiple outdoor unit installations, the unique front intake design improves airflow into the heat exchanger.

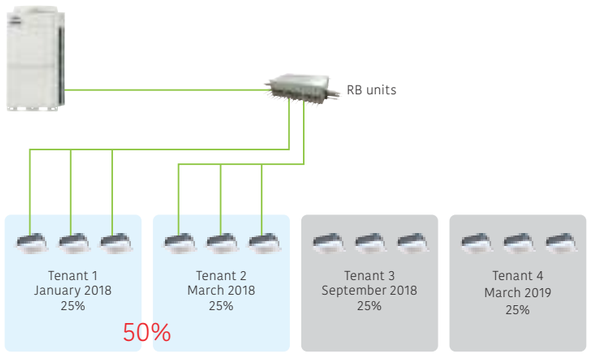
Extended Connection Ratio (Applicable to Multiple Tenants)

Especially useful when starting partial
air conditioning in a building under construction
Installation can be added flexibly for each tenant.



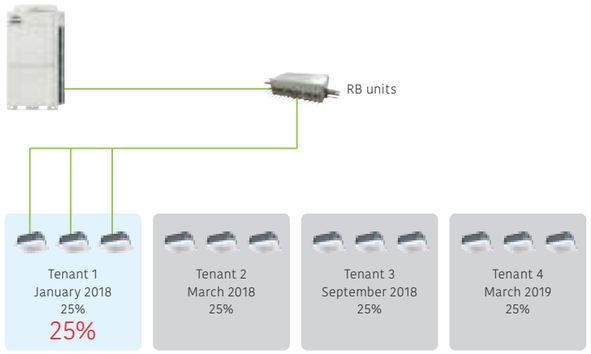
Stand-Alone

Current model (VR-II)
Example) 50% of 12HP minimum connected indoor unit capacity is required



Installation is possible even for tenants who have not yet started operations.

VR-IV
Example) 25% of 12HP minimum connected indoor unit capacity is required

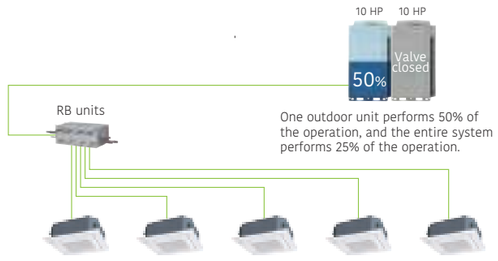


Installation and commissioning can be added flexibly to meet the opening dates of other tenants.

Modular Type

One outdoor unit operates effectively for the capacities of connectable indoor units in the entire system. (Each of the multiple outdoor units does not dare to operate at 25% capacity: any one of the outdoor units will operate at 50% and the remaining units will each output 0%, i.e., stop operating.)

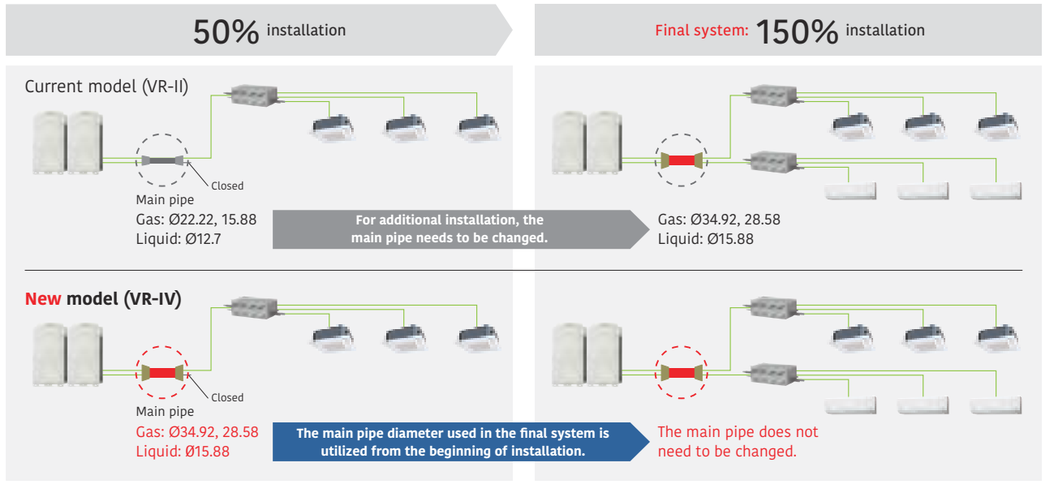
Example: One 10HP outdoor unit performs 25% of the total 20HP outdoor units system.
One 10HP outdoor unit performs 50% of its capacity
→ Two outdoor units do not perform 25% of the operation.



One outdoor unit performs 50% of the operation, and the entire system performs 25% of the operation.

Additional Installation is Possible without Changing The Main Pipe

A main pipe of a diameter that can be used for the final system is installed at the beginning of the installation.
Duplication of the work will be avoided as there is no need to change the main pipe as in the previous model.



All-Inverter Compressor

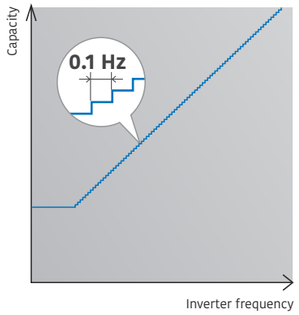
Large-capacity DC inverter compressor

Large-capacity high-efficient DC twin-rotary compressor with excellent intermediate capability.



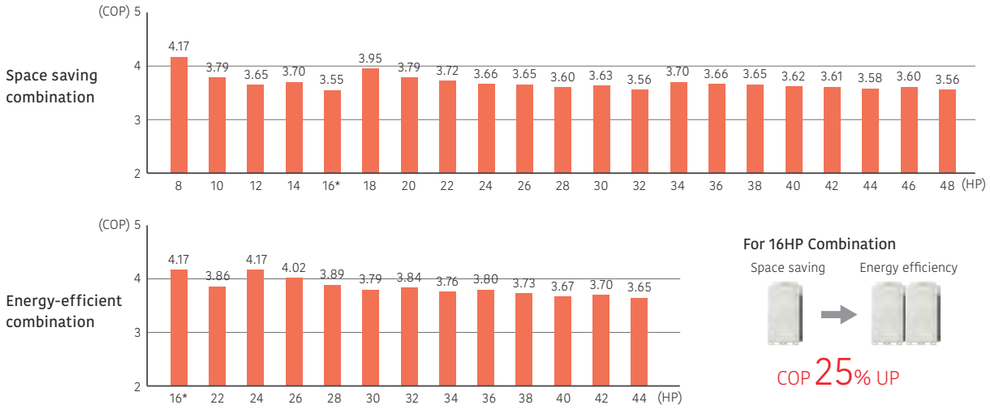
High-efficiency compressor speed control

The compressor speed control in 0.1 Hz increments ensures a comfortable space with less change in room temperature and less energy loss.



Efficiency in Actual Operating Conditions

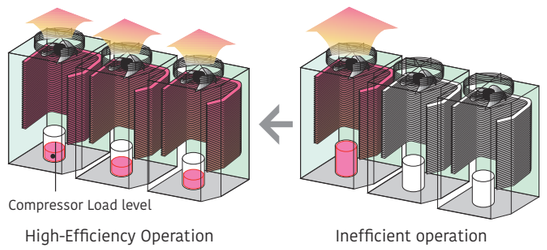
Class-leading high COP (Maximum) The use of our proprietary heat exchanger structure and high-efficiency DC twin-rotary compressors achieves the class-leading coefficient of performance (COP) in every combination.



* These specifications are determined by Cassette combination.
*Multiple outdoor units are not certified by Eurovent.

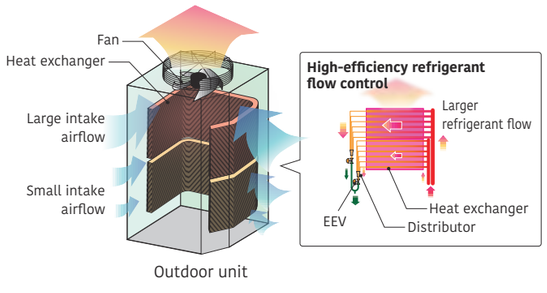
Multiple Outdoor Operation Control

When multiple outdoor units are connected, each compressor carries out sophisticated operation. Instead of operating one compressor at full load to distribute the refrigerant to one heat exchanger, all compressors operate at partial load to distribute the refrigerant to all heat exchangers, thereby improving the efficiency of the entire system.



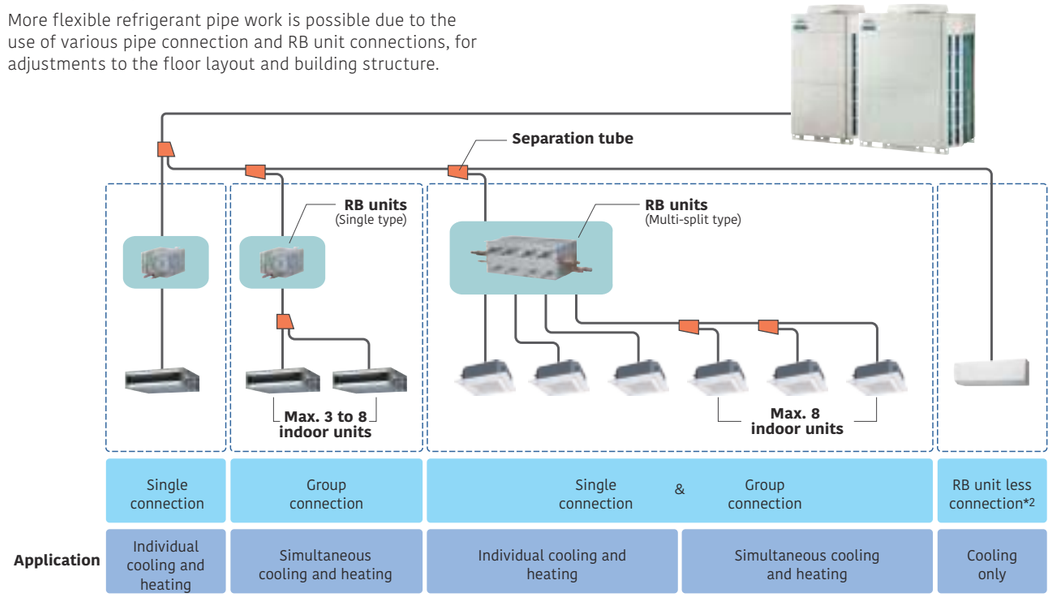
Heat Exchanger Refrigerant Control

The heat exchanger in the outdoor unit is divided into two parts, upper and lower. The efficiency of the heat exchanger has been improved by adopting an optimum refrigerant path control where the refrigerant is distributed more into the top heat exchanger as this is where there is a greater airflow intake.



Flexible Pipe Connection

More flexible refrigerant pipe work is possible due to the use of various pipe connection and RB unit connections, for adjustments to the floor layout and building structure.



• An RB unit can be placed between the first branch and an indoor unit.
• The maximum height difference between RB units is 15 m.
No RB Unit is required for cooling only use.

Flexible Installation of RB Unit



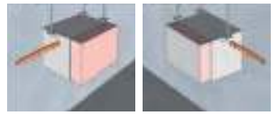
RB units
(Multi-split type/8-branch)

RB units
(Multi-split type/12-branch)

Small and slim design with a height of 198 mm makes it easy to install in tight spaces with height constraints.

- A drain pipe is not required.
- Different positions of a control box can be chosen to accommodate installation conditions.
- Series connection for simplified installation

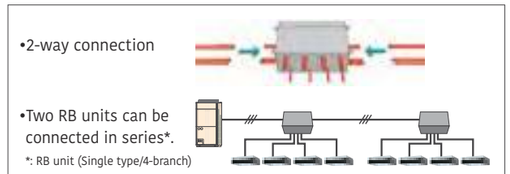
*: RB unit (single type)



An RB unit can be installed on either side of the control box.



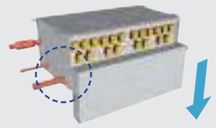
An RB unit can be installed on top of the control box to save space.
*: RB unit (single type)



Easy maintenance in tight spaces

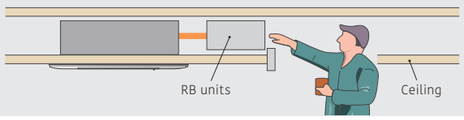
Maintenance can be performed from the side.





The electrical box can be accessed and serviced by sliding down the front cover.

Parts can be accessed and replaced easily even in tight spaces inside the ceiling.



Outdoor units lineup • Combinations other than those listed below are not recommended.

Space saving combination

22.4kW (8HP) AJY072GALDH UNIT : AJY072GALDH	28.0kW (10HP) AJY090GALDH UNIT : AJY090GALDH	33.5kW (12HP) AJY108GALDH UNIT : AJY108GALDH	40.0kW (14HP) AJY126GALDH UNIT : AJY126GALDH	45.0kW (16HP) AJY144GALDH UNIT : AJY144GALDH
50.4kW (18HP) AJY162GALDH UNIT : AJY090/072GALDH	56.0kW (20HP) AJY180GALDH UNIT : AJY090/090GALDH	61.5kW (22HP) AJY198GALDH UNIT : AJY108/090GALDH	67.0kW (24HP) AJY216GALDH UNIT : AJY108/108GALDH	73.0kW (26HP) AJY234GALDH UNIT : AJY144/090GALDH
78.5kW (28HP) AJY252GALDH UNIT : AJY144/108GALDH	85.0kW (30HP) AJY270GALDH UNIT : AJY144/126GALDH	90.0kW (32HP) AJY288GALDH UNIT :AJY144/144GALDH	95.0kW (34HP) AJY306GALDH UNIT : AJY108/108/090GALDH	100.5kW (36HP) AJY324GALDH UNIT : AJY108/108/108GALDH
106.5kW (38HP) AJY342GALDH UNIT : AJY144/108/090GALDH	112.0kW (40HP) AJY360GALDH UNIT : AJY144/108/108GALDH	118.0kW (42HP) AJY378GALDH UNIT : AJY144/144/090GALDH	123.5kW (44HP) AJY396GALDH UNIT : AJY144/144/108GALDH	130.0kW (46HP) AJY414GALDH UNIT : AJY144/144/126GALDH
135.0kW (48HP) AJY432GALDH UNIT : AJY144/144/144GALDH				

Energy efficiency combination

44.8kW (16HP) AJY144GALDHH UNIT : AJY072/072GALDH	62.4kW (22HP) AJY198GALDHH UNIT : AJY126/072GALDH	67.2kW (24HP) AJY216GALDHH UNIT : AJY072/072/072GALDH	72.8kW (26HP) AJY234GALDHH UNIT : AJY090/072/072GALDH	78.4kW (28HP) AJY252GALDHH UNIT : AJY090/090/072GALDH
84.0kW (30HP) AJY270GALDHH UNIT : AJY090/090/090GALDH	90.4kW (32HP) AJY288GALDHH UNIT : AJY126/090/072GALDH	96.0kW (34HP) AJY306GALDHH UNIT : AJY126/090/090GALDH	102.4kW (36HP) AJY324GALDHH UNIT : AJY126/126/072GALDH	108.0kW (38HP) AJY342GALDHH UNIT : AJY126/126/090GALDH
113.0kW (40HP) AJY360GALDHH UNIT : AJY144/126/090GALDH	120.0kW (42HP) AJY378GALDHH UNIT : AJY126/126/126GALDH	125.0kW (44HP) AJY396GALDHH UNIT : AJY144/126/126GALDH		

8,10,12HP : AJY072GALDH / AJY090GALDH / AJY108GALDH
14,16HP : AJY126GALDH / AJY144GALDH

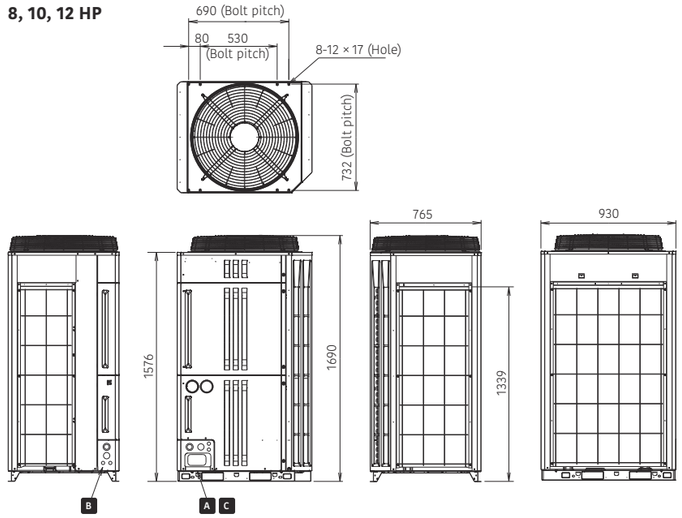


8, 10, 12 HP　　14, 16 HP

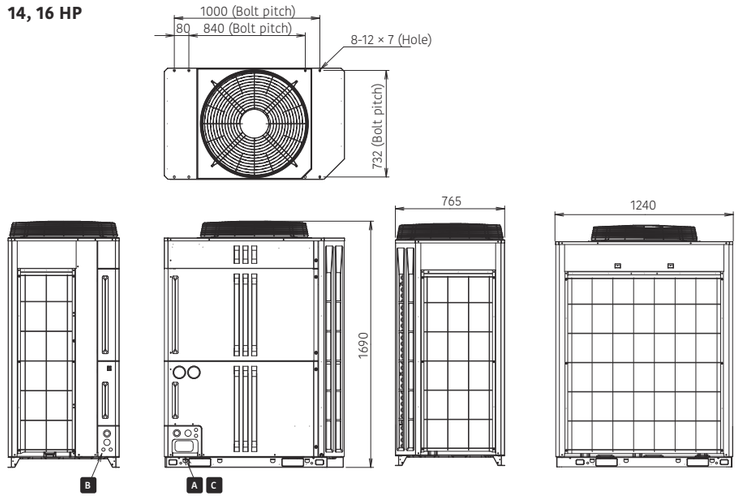
Dimensions

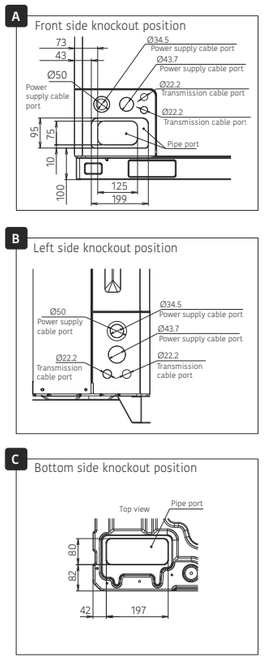
(Unit: mm)

8, 10, 12 HP



14, 16 HP





Outdoor units specifications

Space saving combination

Rated capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Model name			AJY072GALDH	AJY090GALDH	AJY108GALDH	AJY126GALDH	AJY144GALDH	AJY162GALDH	AJY180GALDH	AJY198GALDH	AJY216GALDH	AJY234GALDH	AJY252GALDH	AJY270GALDH	AJY288GALDH	AJY306GALDH	AJY324GALDH	AJY342GALDH	AJY360GALDH	AJY378GALDH	AJY396GALDH	AJY414GALDH	AJY432GALDH
Unit 1 Unit 2 Unit 3			AJY072GALDH	AJY090GALDH	AJY108GALDH	AJY126GALDH	AJY144GALDH	AJY090GALDH AJY072GALDH	AJY090GALDH AJY090GALDH	AJY108GALDH AJY090GALDH	AJY108GALDH AJY108GALDH	AJY144GALDH AJY090GALDH	AJY144GALDH AJY108GALDH	AJY144GALDH AJY126GALDH	AJY144GALDH AJY144GALDH	AJY108GALDH AJY108GALDH AJY090GALDH	AJY108GALDH AJY108GALDH AJY108GALDH	AJY144GALDH AJY108GALDH AJY090GALDH	AJY144GALDH AJY108GALDH AJY108GALDH	AJY144GALDH AJY144GALDH AJY090GALDH	AJY144GALDH AJY144GALDH AJY108GALDH	AJY144GALDH AJY144GALDH AJY126GALDH	AJY144GALDH AJY144GALDH AJY126GALDH
Maximum connectable indoor units*1			17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	5.6 - 33.6	7.0 - 42.0	8.4 - 50.2	10.0 - 60.0	11.3 - 67.5	12.6 - 75.6	14.0 - 84.0	15.4 - 92.2	16.8 - 100.5	18.3 - 109.5	19.7 - 117.7	21.3 - 127.5	22.5 - 135.0	23.8 - 142.5	25.2 - 150.7	26.7 - 159.7	28.0 - 168.0	29.5 - 177.0	30.9 - 185.2	32.5 - 195.0	33.8 - 202.5
Power source			3-phase, 4-wire, 400V, 50Hz									3-phase, 4-wire, 400V, 50Hz											
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0	73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0
	Nominal Heating		22.4	28.0	33.5	40.0	42.0	50.4	56.0	61.5	67.0	70.0	75.5	82.0	84.0	95.0	100.5	103.5	109.0	112.0	117.5	124.0	126.0
	Max. Heating		25.0	31.5	37.5	45.0	48.0	56.5	63.0	69.0	75.0	79.5	85.5	93.0	96.0	106.5	112.5	117.0	123.0	127.5	133.5	141.0	144.0
Input power	Cooling	kW	6.26	9.53	11.89	13.16	16.71	15.79	19.06	21.42	23.78	26.24	28.60	29.87	33.42	33.31	35.67	38.13	40.49	42.95	45.31	46.58	50.13
	Nominal Heating		5.37	7.38	9.16	10.80	11.81	12.75	14.76	16.54	18.32	19.19	20.97	22.61	23.62	25.70	27.48	28.35	30.13	31.00	32.78	34.42	35.43
	Max. Heating		6.25	8.96	11.48	13.95	14.98	15.21	17.92	20.44	22.96	23.94	26.46	28.93	29.96	31.92	34.44	35.42	37.94	38.92	41.44	43.91	44.94
EER	Cooling	W/W	3.57	2.93	2.81	3.03	2.69	3.19	2.94	2.87	2.82	2.78	2.74	2.85	2.69	2.85	2.82	2.79	2.77	2.75	2.73	2.79	2.69
COP	Nominal Heating		4.17	3.79	3.65	3.70	3.55	3.95	3.79	3.72	3.66	3.65	3.60	3.63	3.56	3.70	3.66	3.65	3.62	3.61	3.58	3.60	3.56
	Max. Heating		4.00	3.51	3.26	3.22	3.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEER	Cooling		7.15	6.69	6.70	6.87	6.33	6.92	6.69	6.70	6.70	6.51	6.52	6.60	6.33	6.70	6.70	6.57	6.58	6.45	6.45	6.51	6.33
SCOP	Heating		3.58	3.60	3.65	3.99	4.07	3.59	3.60	3.63	3.65	3.84	3.86	4.03	4.07	3.63	3.65	3.77	3.79	3.91	3.93	4.04	4.07
ηc	Cooling	%	283.0	264.6	265.0	271.8	250.2	273.8	264.6	264.8	265.0	257.4	257.6	261.0	250.2	264.9	265.0	259.9	260.1	255.0	255.1	257.4	250.2
ηh	Heating		140.2	141.0	143.0	156.6	159.8	140.6	141.0	142.0	143.0	150.4	151.4	158.2	159.8	142.3	143.0	147.9	148.6	153.5	154.2	158.7	159.8
Air flow rate	High	m^3/h	11,100 / 11,100	11,100 / 11,100	11,100 / 11,100	13,000 / 13,000	13,000 / 13,000	11,100x2 / 11,100x2	11,100x2 / 11,100x2	11,100x2 / 11,100x2	11,100x2 / 11,100x2	13,000+11,100 / 13,000+11,100	13,000+11,100 / 13,000+11,100	13,000x2 / 13,000x2	13,000x2 / 13,000x2	11,100x3 / 11,100x3	11,100x3 / 11,100x3	13,000+11,100x2 / 13,000+11,100x2	13,000+11,100x2 / 13,000+11,100x2	13,000x2 / 13,000x2	13,000x2 / 13,000x2	13,000x3 / 13,000x3	13,000x3 / 13,000x3
Sound pressure level*2/ Power level	Cooling	dB(A)	56 / 77	58 / 78	59 / 79	60 / 82	61 / 82	60	61	62	62	63	63	64	64	63	64	64	65	65	65	65	66
	Heating		58 / 79	59 / 79	63 / 82	62 / 83	63 / 83	62	62	64	66	64	66	66	66	67	68	67	68	67	68	67	68
Max. External static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Compressor motor output		kW	7.5	7.5	7.5	11.0	11.0	7.5 × 2	7.5 × 2	7.5 × 2	7.5 × 2	11.0 + 7.5	11.0 + 7.5	11.0 × 2	11.0 × 2	7.5 × 3	7.5 × 3	11.0 + 7.5 × 2	11.0 + 7.5 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3
	Width		930	930	930	1,240	1,240	930x2	930x2	930x2	930x2	1,240+930	1,240+930+1,690	1,240x2	1,240x2	930x3	930x3	1,240+930x2	1,240+930x2	1,240x2	1,240x2	1,240x3	1,240x3
	Depth		765	765	765	765	765	765x2	765x2	765x2	765x2	765x2	765x2	765x2	765x2	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3
Weight		kg	262	262	262	286	286	262|262	262|262	262|262	262|262	286|262	286|262	286|286	286|286	262|262|262	262|262|262	286|262|262	286|262|262	286|286|262	286|286|262	286|286|286	286|286|286
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Discharge Gas		15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92
	Suction Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Energy Efficiency Combination

Rated capacity range		HP	16	22	24	26	28	30	32	34	36	38	40	42	44
Model name			AJY144GALDHH	AJY198GALDHH	AJY216GALDHH	AJY234GALDHH	AJY252GALDHH	AJY270GALDHH	AJY288GALDHH	AJY306GALDHH	AJY324GALDHH	AJY342GALDHH	AJY360GALDHH	AJY378GALDHH	AJY396GALDHH
Unit 1 Unit 2 Unit 3			AJY072GALDH AJY072GALDH	AJY126GALDH AJY072GALDH	AJY072GALDH AJY072GALDH AJY072GALDH	AJY090GALDH AJY072GALDH AJY072GALDH	AJY090GALDH AJY090GALDH AJY072GALDH	AJY090GALDH AJY090GALDH AJY090GALDH	AJY126GALDH AJY090GALDH AJY072GALDH	AJY126GALDH AJY090GALDH AJY090GALDH	AJY126GALDH AJY126GALDH AJY072GALDH	AJY126GALDH AJY126GALDH AJY090GALDH	AJY144GALDH AJY126GALDH AJY090GALDH	AJY126GALDH AJY126GALDH AJY126GALDH	AJY144GALDH AJY126GALDH AJY126GALDH
Maximum connectable indoor units*1			34	47	52	56	60	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	11.2 - 67.2	15.6 - 93.6	16.8 - 100.8	18.2 - 109.2	19.6 - 117.6	21.0 - 126.0	22.6 - 135.6	24.0 - 144.0	25.6 - 153.6	27.0 - 162.0	28.3 - 169.5	30.0 - 180.0	31.3 - 187.5
Power source			3-phase, 4-wire, 400V, 50Hz						3-phase, 4-wire, 400V, 50Hz						
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0	90.4	96.0	102.4	108.0	113.0	120.0	125.0
	Nominal Heating		44.8	62.4	67.2	72.8	78.4	84.0	90.4	96.0	102.4	108.0	110.0	120.0	122.0
	Max. Heating		50.0	70.0	75.0	81.5	88.0	94.5	101.5	108.0	115.0	121.5	124.5	135.0	138.0
Input power	Cooling	kW	12.52	19.42	18.78	22.05	25.32	28.59	28.95	32.22	32.58	35.85	39.40	39.48	43.03
	Nominal Heating		10.74	16.17	16.11	18.12	20.13	22.14	23.55	25.56	26.97	28.98	29.99	32.40	33.41
	Max. Heating		12.50	20.20	18.75	21.46	24.17	26.88	29.16	31.87	34.15	36.86	37.89	41.85	42.88
EER	Cooling	W/W	3.58	3.21	3.58	3.30	3.10	2.94	3.12	2.98	3.14	3.01	2.87	3.04	2.90
COP	Nominal Heating		4.17	3.86	4.17	4.02	3.89	3.79	3.84	3.76	3.80	3.73	3.67	3.70	3.65
	Max. Heating		-	-	-	-	-	-	-	-	-	-	-	-	-
SEER	Cooling		7.15	7.01	7.15	7.00	6.84	6.69	6.90	6.75	6.96	6.81	6.63	6.87	6.69
SCOP	Heating		3.58	3.79	3.58	3.59	3.59	3.60	3.72	3.73	3.85	3.86	3.89	3.99	4.02
ηc	Cooling	%	283.0	277.4	283.0	276.9	270.7	264.6	273.1	267.0	275.5	269.4	262.2	271.8	264.6
ηh	Heating		140.2	148.4	140.2	140.5	140.7	141.0	145.9	146.2	151.1	151.4	152.5	156.6	157.7
Air flow rate	High	m^3/h	11,100x2 / 11,100x2	13,000+11,100 / 13,000+11,100	11,100x3 / 11,100x3	11,100x3 / 11,100x3	11,100x3 / 11,100x3	11,100x3 / 11,100x3	13,000+11,100x2 / 13,000+11,100x2	13,000+11,100x2 / 13,000+11,100x2	13,000x2 / 13,000x2	13,000x2 / 13,000x2	13,000x2 / 13,000x2	13,000x3 / 13,000x3	13,000x3 / 13,000x3
Sound pressure level*2/ Power level	Cooling	dB(A)	59	61	61	62	62	63	63	64	64	64	65	65	65
	Heating		61	63	63	63	63	64	65	65	66	66	66	67	67
Max. External static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80
Compressor motor output		kW	7.5 × 2	11.0 + 7.5	7.5 × 3	7.5 × 3	7.5 × 3	7.5 × 3	11.0 + 7.5 × 2	11.0 + 7.5 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690x2	1,690x2	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3
	Width		930x2	1,240+930+1,690	930x3	930x3	930x3	930x3	1,240+930x2	1,240+930x2	1,240x2	1,240x2	1,240x2	1,240x3	1,240x3
	Depth		765x2	765x2	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3
Weight		kg	262|262	286|262	262|262|262	262|262|262	262|262|262	262|262|262	286|262|262	286|286|262	286|286|262	286|286|262	286|286|262	286|286|286	286|286|286
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Discharge Gas		22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92
	Suction Gas		28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

When cooling operation is be conducted at an outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to that of the indoor units.
* These specifications are determined by ducted combination.
* Multiple outdoor units are not certified by Eurovent.

*1: Minimum connectable indoor unit number is 2.
*2: The noise level is the value measured in an anechoic room. When measured in an actual installation, the measured value is typically larger than the indicated value due to ambient noise and reflections.

*3: If the capacity range of the connectable indoor units is between 25% and 49.9%, do not open the three-way valve except for the unit to be operated. In addition, do not connect the power line.

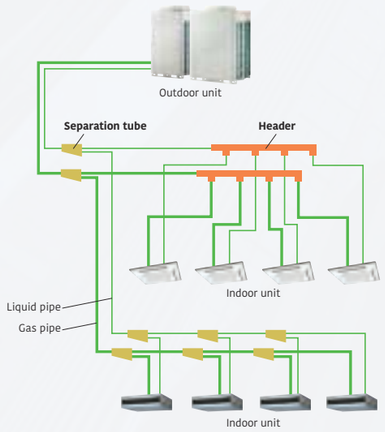
REFRIGERANT R410A

Heat Pump
Modular type

VRF V-IV

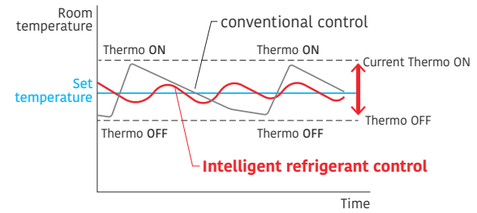
System configuration example

- Suitable for air conditioning midsize and large buildings. Connecting each outdoor unit makes it possible to create a high-capacity system.
- Multiple indoor units are connected with separation tubes and headers.



Intelligent Refrigerant Control

General is proposing outdoor units equipped with refrigerant control function.
The refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature.
Compared to conventional control, the compressor will run longer, thus saving energy.

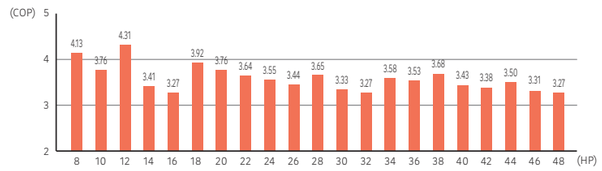


* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

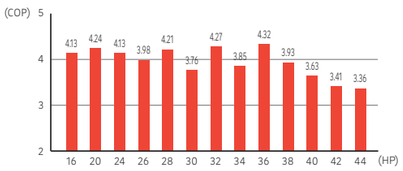
Efficiency in Actual Operating Conditions

The use of our proprietary heat exchanger structure and high-efficiency DC twin-rotary compressors achieves the class-leading coefficient of performance (COP) in every combination.

Space saving combination



Energy efficiency combination



* These specifications are determined by Cassette combination.

*Multiple outdoor units are not certified by Eurovent.

The Energy-Saving Technology that Boosted Operation Efficiency



Powerful large propeller fan
The fan uses CFD* technology to achieve both high performance and low noise operation. *CFD: Computational Fluid Dynamics

3-phase DC fan motor
The use of a DC fan motor with sophisticated driver control improves energy efficiency substantially. In addition, low noise is realized by the DC fan motor.

Sine-wave DC inverter control
High-efficiency is realized by the adoption of reduced switching loss IPM.

4-face heat exchanger
The 4-face heat exchanger increases the effective surface area and significantly improves heat-exchanging efficiency.

Subcooloing heat exchanger
High heat exchange efficiency is achieved by using an internal projection-shape double-pipe construction.

High-efficient, large-capacity DC twin-rotary compressor
Large-capacity high-efficient DC twin-rotary compressor with excellent intermediate capability.

Front intake port (Corner cut air inlet structure)
In multiple outdoor unit installations, the unique front intake design improves airflow into the heat exchanger.

Outdoor units lineup • Combinations other than those listed below are not recommended.

Space saving combination

22.4 kW (8 HP) AJY072LALDH UNIT: AJY072LALDH	28.0 kW (10 HP) AJY090LALDH UNIT: AJY090LALDH	33.5 kW (12 HP) AJY108LALDH UNIT: AJY108LALDH	40.0 kW (14 HP) AJY126LALDH UNIT: AJY126LALDH	45.0 kW (16 HP) AJY144LALDH UNIT: AJY144LALDH
50.4 kW (18 HP) AJY162LALDH UNIT: AJY090/072LALDH	56.0 kW (20 HP) AJY180LALDH UNIT: AJY090/090LALDH	62.4 kW (22 HP) AJY198LALDH UNIT: AJY126/072LALDH	68.0 kW (24 HP) AJY216LALDH UNIT: AJY126/090LALDH	73.0 kW (26 HP) AJY234LALDH UNIT: AJY144/090LALDH
78.5 kW (28 HP) AJY252LALDH UNIT: AJY144/108LALDH	85.0 kW (30 HP) AJY270LALDH UNIT: AJY144/126LALDH	90.0 kW (32 HP) AJY288LALDH UNIT: AJY144/144LALDH	95.4 kW(34 HP) AJY306LALDH UNIT: AJY144/090/072LALDH	101.0 kW (36 HP) AJY324LALDH UNIT: AJY144/090/090LALDH
106.5 kW (38 HP) AJY342LALDH UNIT: AJY144/108/090LALDH	113.0 kW (40 HP) AJY360LALDH UNIT: AJY144/126/090LALDH	118.0 kW (42 HP) AJY378LALDH UNIT: AJY144/144/090LALDH	123.5 kW (44 HP) AJY396LALDH UNIT: AJY144/144/108LALDH	130.0 kW (46 HP) AJY414LALDH UNIT: AJY144/144/126LALDH
135.0 kW (48 HP) AJY432LALDH UNIT: AJY144/144/144LALDH				

Energy efficiency combination

44.8 kW (16 HP) AJY144LALDHH UNIT: AJY072/072LALDH	55.9 kW (20 HP) AJY180LALDHH UNIT: AJY108/072LALDH	67.2 kW (24 HP) AJY216LALDHH UNIT: AJY072/072/072LALDH	72.8 kW (26 HP) AJY234LALDHH UNIT: AJY090/072/072LALDH	78.3 kW (28 HP) AJY252LALDHH UNIT: AJY108/072/072LALDH
84.8 kW (30 HP) AJY270LALDHH UNIT: AJY126/072/072LALDH	89.4 kW (32 HP) AJY288LALDHH UNIT: AJY108/108/072LALDH	95.9 kW (34 HP) AJY306LALDHH UNIT: AJY126/108/072LALDH	100.5 kW (36 HP) AJY324LALDHH UNIT: AJY108/108/108LALDH	107.0 kW (38 HP) AJY342LALDHH UNIT: AJY126/108/108LALDH
113.5 kW (40 HP) AJY360LALDHH UNIT: AJY126/126/108LALDH	120.0 kW (42 HP) AJY378LALDHH UNIT: AJY126/126/126LALDH	125.0 kW (44 HP) AJY396LALDHH UNIT: AJY144/126/126LALDH		

8, 10 HP: AJY072LALDH / AJY090LALDH
12, 14, 16 HP: AJY108LALDH / AJY126LALDH / AJY144LALDH

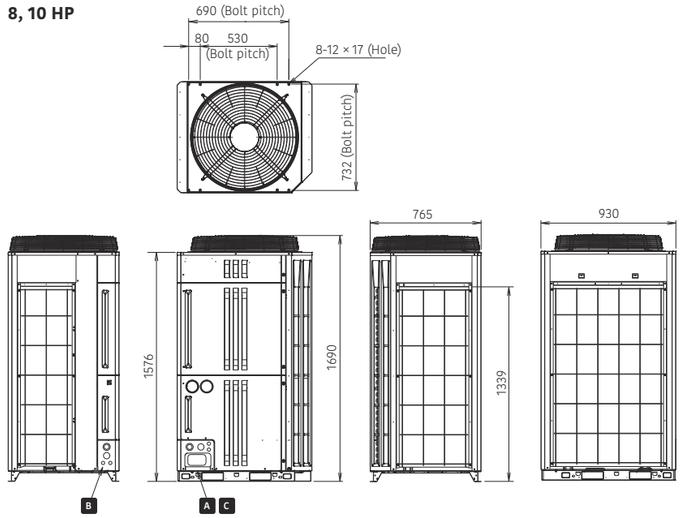


8, 10 HP　　12, 14, 16 HP

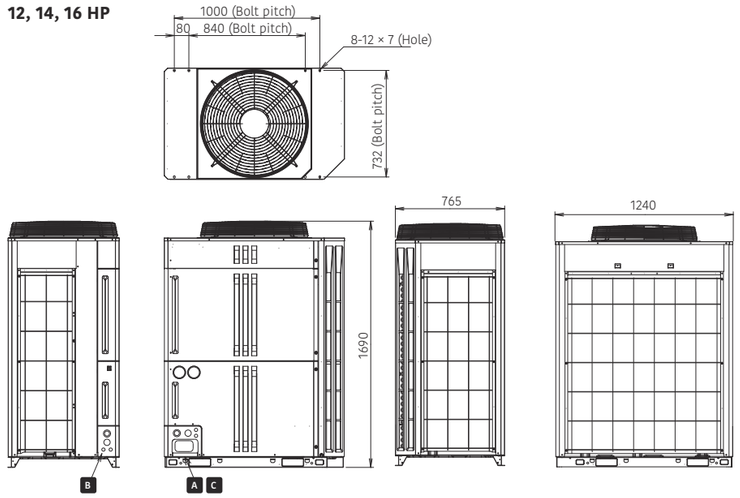
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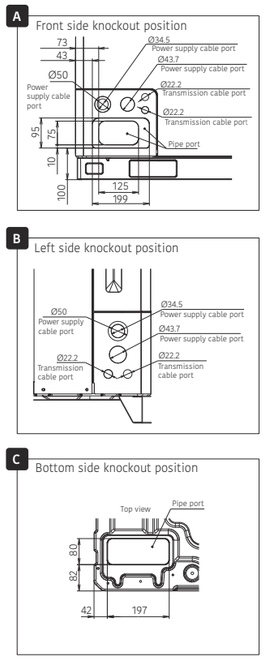
(Unit: mm)

8, 10 HP



12, 14, 16 HP





Outdoor unit specifications

Space saving combination

Rated capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Model name			AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY162LALDH	AJY180LALDH	AJY198LALDH	AJY216LALDH	AJY234LALDH	AJY252LALDH	AJY270LALDH	AJY288LALDH	AJY306LALDH	AJY324LALDH	AJY342LALDH	AJY360LALDH	AJY378LALDH	AJY396LALDH	AJY414LALDH	AJY432LALDH
Unit 1 Unit 2 Unit 3			AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY090LALDH AJY072LALDH	AJY090LALDH AJY090LALDH	AJY126LALDH AJY072LALDH	AJY126LALDH AJY090LALDH	AJY144LALDH AJY090LALDH	AJY144LALDH AJY108LALDH	AJY144LALDH AJY126LALDH	AJY144LALDH AJY144LALDH	AJY144LALDH AJY090LALDH AJY072LALDH	AJY144LALDH AJY090LALDH AJY090LALDH	AJY144LALDH AJY108LALDH AJY090LALDH	AJY144LALDH AJY126LALDH AJY090LALDH	AJY144LALDH AJY144LALDH AJY090LALDH	AJY144LALDH AJY144LALDH AJY108LALDH	AJY144LALDH AJY144LALDH AJY126LALDH	AJY144LALDH AJY144LALDH AJY144LALDH
Maximum connectable indoor units*1			17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	11.2 - 33.6	14.0 - 42.0	16.8 - 50.2	20.0 - 60.0	22.5 - 67.5	25.2 - 75.6	28.0 - 84.0	31.2 - 93.6	34.0 - 102.0	36.5 - 109.5	39.3 - 117.7	42.5 - 127.5	45.0 - 135.0	47.7 - 143.1	50.5 - 151.5	53.3 - 159.7	56.5 - 169.5	59.0 - 177.0	61.8 - 185.2	65.0 - 195.0	67.5 - 202.5
Power source			3-phase, 4-wire, 400V, 50Hz									3-phase, 4-wire, 400V, 50Hz											
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	62.4	68.0	73.0	78.5	85.0	90.0	95.4	101.0	106.5	113.0	118.0	123.5	130.0	135.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.4	56.0	62.4	68.0	73.0	78.5	85.0	90.0	95.4	101.0	106.5	113.0	118.0	123.5	130.0	135.0
	Max. Heating		25.0	31.5	37.5	45.0	48.0	56.5	63.0	70.0	76.5	79.5	85.5	93.0	96.0	104.5	111.0	117.0	124.5	127.5	133.5	141.0	144.0
Input power	Cooling	kW	5.95	9.06	9.54	13.18	16.74	15.01	18.12	19.13	22.24	25.80	26.28	29.92	33.48	31.75	34.86	35.34	38.98	42.54	43.02	46.66	50.22
	Nominal Heating		5.42	7.44	7.76	11.74	13.76	12.86	14.88	17.16	19.18	21.20	21.52	25.50	27.52	26.62	28.64	28.96	32.94	34.96	35.28	39.26	41.28
	Max. Heating		6.26	8.98	9.48	14.00	15.02	15.24	17.96	20.26	22.98	24.00	24.50	29.02	30.04	30.26	32.98	33.48	38.00	39.02	39.52	44.04	45.06
EER	Cooling	W/W	3.76	3.09	3.51	3.03	2.68	3.36	3.09	3.26	3.06	2.83	2.99	2.84	2.69	3.00	2.90	3.01	2.90	2.77	2.87	2.79	2.69
COP	Nominal Heating		4.13	3.76	4.31	3.41	3.27	3.92	3.76	3.64	3.55	3.44	3.65	3.33	3.27	3.58	3.53	3.68	3.43	3.38	3.50	3.31	3.27
	Max. Heating		3.99	3.50	3.95	3.21	3.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEER	Cooling		7.09	6.65	7.33	6.77	6.23	6.87	6.65	6.93	6.71	6.44	6.78	6.50	6.23	6.66	6.51	6.74	6.55	6.37	6.60	6.41	6.23
SCOP	Heating		3.63	3.64	3.97	3.86	3.95	3.64	3.64	3.75	3.75	3.80	3.96	3.91	3.95	3.74	3.74	3.85	3.82	3.85	3.96	3.92	3.95
ηc	Cooling	%	280.6	263.0	290.2	267.8	246.2	271.8	263.0	274.2	265.4	254.6	268.2	257.0	246.2	263.3	257.4	266.5	259.0	251.8	260.9	253.4	246.2
ηh	Heating		142.2	142.6	155.8	151.4	155.0	142.4	142.6	146.8	147.0	148.8	155.4	153.2	155.0	146.6	146.7	151.1	149.7	150.9	155.3	153.8	155.0
Air flow rate	High	m^3/h	11,100 / 11,100	11,100 / 11,100	13,000 / 13,000	13,000 / 13,000	13,700 / 13,700	11,100x2 / 11,100x2	11,100x2 / 11,100x2	13,000+11,100 / 13,000+11,100	13,000+11,100 / 13,000+11,100	13,700+11,100 / 13,700+11,100	13,700+13,000 / 13,700+13,000	13,700+13,000 / 13,700+13,000	13,700x2 / 13,700x2	13,700+11,100x2 / 13,700+11,100x2	13,700+11,100x2 / 13,700+11,100x2	13,700+13,000+11,100 / 13,700+13,000+11,100	13,700+13,000+11,100 / 13,700+13,000+11,100	13,700x2 / 13,700x2	13,700x2 / 13,700x2	13,700x2 / 13,700x2	13,700x3 / 13,700x3
Sound pressure level*2/ Power level	Cooling	dB(A)	58 / 79	58 / 79	58 / 81	62 / 84	63 / 86	61	61	63	63	64	64	66	66	65	65	65	66	67	67	67	68
	Heating		59 / 80	60 / 81	60 / 83	64 / 85	65 / 87	63	63	65	65	66	66	68	68	67	67	67	68	69	69	69	70
Max. External static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5	7.5	11.0	11.0	11.0	7.5 × 2	7.5 × 2	11.0 + 7.5	11.0 + 7.5	11.0 + 7.5	11.0 × 2	11.0 × 2	11.0 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x2	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3
	Width		930	930	1,240	1,240	1,240	930x2	930x2	1,240+930	1,240+930	1,240+930	1,240x2	1,240x2	1,240x2	1,240+930x2	1,240+930x2	1,240x2	1,240x2	1,240x2	1,240x3	1,240x3	1,240x3
	Depth		765	765	765	765	765	765x2	765x2	765x2	765x2	765x2	765x2	765x2	765x2	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3
Weight		kg	252	252	275	275	275	252|252	252|252	275|252	275|252	275|252	275|275	275|275	275|275	275|252|252	275|252|252	275|275|252	275|275|252	275|275|252	275|275|275	275|275|275	275|275|275
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.7 (24.430)	11.7 (24.430)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.7 x 2 (24.430 x 2)	11.7 x 2 (24.430 x 2)	11.8 + 11.7 (24.638 + 24.430)	11.8 + 11.7 (24.638 + 24.430)	11.8 + 11.7 (24.638 + 24.430)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 + 11.7 x 2 (24.638 + 24.430 x 2)	11.8 + 11.7 x 2 (24.638 + 24.430 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Energy Efficiency Combination

Rated capacity range		HP	16	20	24	26	28	30	32	34	36	38	40	42	44
Model name			AJY144LALDHH	AJY180LALDHH	AJY216LALDHH	AJY234LALDHH	AJY252LALDHH	AJY270LALDHH	AJY288LALDHH	AJY306LALDHH	AJY324LALDHH	AJY342LALDHH	AJY360LALDHH	AJY378LALDHH	AJY396LALDHH
Unit 1 Unit 2 Unit 3			AJY072LALDH AJY072LALDH	AJY108LALDH AJY072LALDH	AJY072LALDH AJY072LALDH AJY072LALDH	AJY090LALDH AJY072LALDH AJY072LALDH	AJY108LALDH AJY072LALDH AJY072LALDH	AJY126LALDH AJY072LALDH AJY072LALDH	AJY108LALDH AJY108LALDH AJY072LALDH	AJY126LALDH AJY108LALDH AJY072LALDH	AJY108LALDH AJY108LALDH AJY108LALDH	AJY126LALDH AJY108LALDH AJY108LALDH	AJY126LALDH AJY126LALDH AJY108LALDH	AJY126LALDH AJY126LALDH AJY126LALDH	AJY144LALDH AJY126LALDH AJY126LALDH
Maximum connectable indoor units*1			34	43	52	56	60	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	22.4 - 67.2	28.0 - 83.8	33.6 - 100.8	39.2 - 109.2	39.2 - 117.4	42.4 - 127.2	44.7 - 134.1	48.0 - 143.8	50.3 - 150.7	53.5 - 160.5	56.8 - 170.2	60.0 - 180.0	62.5 - 187.5
Power source			3-phase, 4-wire, 400V, 50Hz						3-phase, 4-wire, 400V~, 50Hz						
Capacity	Cooling	kW	44.8	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0
	Nominal Heating		44.8	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0
	Max. Heating		50.0	62.5	75.0	81.5	87.5	95.0	100.0	107.5	112.5	120.0	127.5	135.0	138.0
Input power	Cooling	kW	11.90	15.49	17.85	20.96	21.44	25.08	25.03	28.67	28.62	32.26	35.90	39.54	43.10
	Nominal Heating		10.84	13.18	16.26	18.28	18.60	22.58	20.94	24.92	23.28	27.26	31.24	35.22	37.24
	Max. Heating		12.52	15.74	18.78	21.50	22.00	26.52	25.22	29.74	28.44	32.96	37.48	42.00	43.02
EER	Cooling	W/W	3.76	3.61	3.76	3.47	3.65	3.38	3.57	3.34	3.51	3.32	3.16	3.03	2.90
COP	Nominal Heating		4.13	4.24	4.13	3.98	4.21	3.76	4.27	3.85	4.32	3.93	3.63	3.41	3.36
	Max. Heating		-	-	-	-	-	-	-	-	-	-	-	-	-
SEER	Cooling		7.09	7.21	7.09	6.94	7.17	6.98	7.25	7.06	7.33	7.14	6.96	6.77	6.59
SCOP	Heating		3.63	3.80	3.63	3.63	3.74	3.71	3.86	3.82	3.97	3.93	3.90	3.86	3.89
ηc	Cooling	%	280.6	285.4	280.6	274.7	283.8	276.3	287.0	279.5	290.2	282.7	275.3	267.8	260.6
ηh	Heating		142.2	149.0	142.2	142.3	146.7	145.3	151.3	149.8	155.8	154.3	152.9	151.4	152.6
Air flow rate	High	m^3/h	11,100x2 / 11,100x2	13,000+11,100 / 13,000+11,100	11,100x3 / 11,100x3	11,100x3 / 11,100x3	13,000+11,100x2 / 13,000+11,100x2	13,000+11,100x2 / 13,000+11,100x2	13,000x2 / 13,000x2	13,000x2 / 13,000x2	13,000x3 / 13,000x3	13,000x3 / 13,000x3	13,000x3 / 13,000x3	13,000x3 / 13,000x3	13,700+13,000x2 / 13,700+13,000x2
Sound pressure level*2/ Power level	Cooling	dB(A)	61	61	63	63	63	65	63	65	63	65	66	67	67
	Heating		62	63	64	64	64	66	64	66	65	67	68	69	69
Max. External static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5 × 2	11.0 + 7.5	7.5 × 3	7.5 × 3	11.0 + 7.5 × 2	11.0 + 7.5 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3	11.0 × 3	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690x2	1,690x2	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3	1,690x3
	Width		930x2	1,240+930+1,690	930x3	930x3	1,240+930x2	1,240+930x2	1,240x2	1,240x2	1,240x3	1,240x3	1,240x3	1,240x3	1,240x3
	Depth		765x2	765x2	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3	765x3
Weight		kg	252|252	275|252	252|252|252	252|252|252	275|252|252	275|252|252	275|275|252	275|275|252	275|275|275	275|275|275	275|275|275	275|275|275	275|275|275
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.7 x 2 (24.430 x 2)	11.8 + 11.7 (24.638 + 24.430)	11.7 x 3 (24.430 x 3)	11.7 x 3 (24.430 x 3)	11.8 + 11.7 x 2 (24.638 + 24.430 x 2)	11.8 + 11.7 x 2 (24.638 + 24.430 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 2 (24.638 x 2)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)	11.8 x 3 (24.638 x 3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	°CDB	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

When cooling operation is be conducted at an outdoor air temperature below -5°C,
the outdoor unit must be installed in a position that is higher than or equal to that of the indoor units.
*These specifications are determined by ducted combination.
*Multiple outdoor units are not certified by Eurovent.

*1 Minimum connectable indoor unit number is 2.
However, the ARXC72 and ARXC90 can be used with a signal connection.
*2 The noise level is the value measured in an anechoic room.

When measured in an actual installation, the measured value is typically larger than the indicated value due to ambient noise and reflections.
* These specifications are determined by ducted combination.

REFRIGERANT R410A

VRF R410A INDOOR UNITS

5 types and 90 models available to meet the requirements of any building design.

Indoor units for the VRF Systems are compact, highly efficient, quiet, and user-friendly. General offers a variety of types and capacities for its indoor units that are easy to install and maintain. In addition, a variety of optional parts are available to provide an even more desirable air conditioning experience to users.

V-126 VRF Indoor Unit Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV

Cassette

V-128 Compact type
V-130 Circular Flow Range – Slim type
V-132 Circular Flow Range – Large type
V-134 1-way Flow
V-136 3D Flow

Duct

V-138 Low Static Pressure Duct Mini Duct
V-140 Low Static Pressure Duct Slim Duct/Slim Concealed Floor
V-142 Low Static Pressure Duct
V-144 Medium Static Pressure Duct
V-146 High Static Pressure Duct

Floor, Ceiling

V-148 Compact Floor
V-150 Floor/Ceiling
V-152 Ceiling

Wall-Mounted

V-154 Wall-Mounted (EEV Internal/external)



VRF R410A Indoor Unit Lineup for J-IVS J-IV J-IVL VR-IV V-IV

REFRIGERANT R410A

Capacity range (kW)			1.1	2.2	2.8	3.6	4.0	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0	28.0
Class			4	7	9	12	14	14	18	24	30	34	36	45	54	60	72	90	96
Cassette	Compact 4-way Flow		AUXB 004 GLEH	AUXB 007 GLEH	AUXB 009 GLEH	AUXB 012 GLEH		AUXB 014 GLEH	AUXB 018 GLEH	AUXB 024 GLEH									
	Circular Flow — Slim type								AUXM 018 GLEH	AUXM 024 GLEH	AUXM 030 GLEH								
	Circular Flow — Large type								AUXK 018 GLEH	AUXK 024 GLEH	AUXK 030 GLEH	AUXK 034 GLEH	AUXK 036 GLEH	AUXK 045 GLEH	AUXK 054 GLEH				
	1-way Flow	004 - 012 / 014 - 024	AUXV 004 GLEH	AUXV 007 GLEH	AUXV 009 GLEH	AUXV 012 GLEH		AUXV 014 GLEH	AUXV 018 GLEH	AUXV 024 GLEH									
	3D Flow								AUXS 018 GLEH	AUXS 024 GLEH									
Duct	Mini Duct	004 - 014 / 018 / 024	ARXK 004 GLGH	ARXK 007 GLGH	ARXK 009 GLGH	ARXK 012 GLGH		ARXK 014 GLGH	ARXK 018 GLGH	ARXK 024 GLGH									
	Slim Duct	04/007 - 014 / 018 / 024	ARXD 04 GALH*2	ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH		ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH									
	Low Static Pressure High Efficiency*3								ARXP 018 GLFH		ARXP 030 GLFH								
	Medium static pressure									ARXA 024 GLEH	ARXA 030 GLEH		ARXA 036 GLEH	ARXA 045 GLEH					
	High Static Pressure	036/45 - 60 / 072 - 090 / 096											ARXC 036 GTEH	ARXC 045 GTEH		ARXC 060 GTEH*1	ARXC 072 GTEH*1	ARXC 090 GTEH*1	ARXC 096 GTEH*1
Floor	Standard (*Same as Ceiling models)					ABYA 012 GTEH		ABYA 014 GTEH	ABYA 018 GTEH	ABYA 024 GTEH									
	Slim Concealed Floor (*Same as Slim Duct models)	04/007 - 014 / 018 / 024	ARXD 04 GALH*2	ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH		ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH									
	Compact — EEV Internal		AGYA 004 GCGH	AGYA 007 GCGH	AGYA 009 GCGH	AGYA 012 GCGH	AGYA 014 GCGH												
Ceiling		012 - 024 / 030 - 054				ABYA 012 GTEH		ABYA 014 GTEH	ABYA 018 GTEH	ABYA 024 GTEH	ABYA 030 GTEH		ABYA 036 GTEH	ABYA 045 GTEH	ABYA 054 GTEH				
Wall-Mounted	EEV Internal	004 - 014 / 18 - 24 / 030 - 034	ASYA 004 GCGH	ASYA 007 GCGH	ASYA 009 GCGH	ASYA 012 GCGH	ASYA 014 GCGH		ASYA 18 GBCH	ASYA 24 GBCH	ASYA 030 GTEH	ASYA 034 GTEH							
	EEV External	004 - 014	ASYE 004 GCEH	ASYE 007 GCEH	ASYE 009 GCEH	ASYE 012 GCEH	ASYE 014 GCEH												
			This model requires the EV Kit to be connected.																

*1: ARXC060/072/090/096G cannot be connected to J-IVS/J-IV series.
*2: ARXD04GALH cannot be connected to J-IVS/J-IV/J-IVL/VR-IV series.
*3: Production by order
Specifications and design are subject to change without notice.

Cassette

Compact 4-way Flow

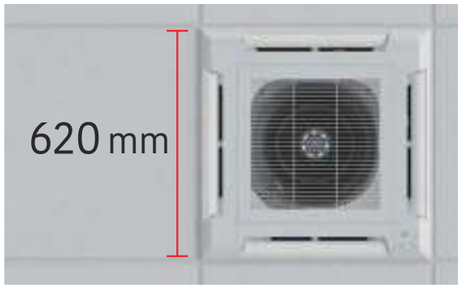


REFRIGERANT R410A

DC FAN

Compact and Stylish Panel

The compact and stylish panel fits nicely into a grid type ceiling. The linear design is a perfect fit into a grid of 620 mm × 620 mm in the ceiling.



Easy Maintenance

You can access the unit for maintenance just by removing a ceiling panel right next to the grille. As no inspection hole needs to be cut through the ceiling, no additional construction cost is incurred.





The air inlet grille can be installed to open in any direction for easy maintenance.



Flexible Maintenance

The unit fits nicely into the decor of a grid type ceiling and can be installed near a lighting or a ventilation opening.



High Ceiling Mode

The cassette can be installed up to a height of 3.0 m. (012/014/018/024).

Model code	Maximum height from floor to ceiling (m)	
	Standard mode	**High ceiling mode**
004	2.7	–
007	2.7	–
009	2.7	–
012	2.7	3.0
014	2.7	3.0
018	2.7	3.0
024	2.7	3.0

Model: AUXB004GLEH / AUXB007GLEH / AUXB009GLEH
AUXB012GLEH / AUXB014GLEH / AUXB018GLEH
AUXB024GLEH



Specifications

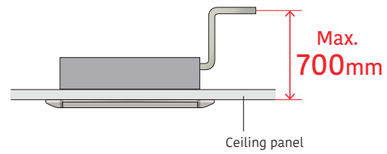
Model name			AUXB004GLEH	AUXB007GLEH	AUXB009GLEH	AUXB012GLEH	AUXB014GLEH	AUXB018GLEH	AUXB024GLEH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.1	5.0	6.3	8.0
Input power		W	23	25	25	29	35	36	84
Airflow rate	High	m^3/h	530/530	540	550	600	680	710	1,030
	Med-High		490/480	500	520	560	620	660	910
	Med		450/430	460	480	520	560	590	790
	Med-Low		420/380	420	440	480	500	520	680
	Low		390/340	390	400	430	440	460	560
	Quiet		350/300	350	350	390	390	400	450
Sound pressure level	High	dB(A)	34/34	34	35	37	38	41	50
	Med-High		32/31	32	33	34	37	39	46
	Med		30/29	30	31	33	34	36	43
	Med-Low		28/26	28	29	31	32	33	39
	Low		27/24	27	27	29	30	30	35
	Quiet		25/21	25	25	27	27	27	30
Net Dimensions (H × W × D)		mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight		kg	14.5	15	15	15	15	17	17
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UFYE-W/UTG-UFYC-W						
	Net Dimensions (H × W × D)	mm	49 × 620 × 620/50 × 700 × 700						
	Weight	kg	2.3/2.6						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
*1: This value is under cooling operation.

Optional parts

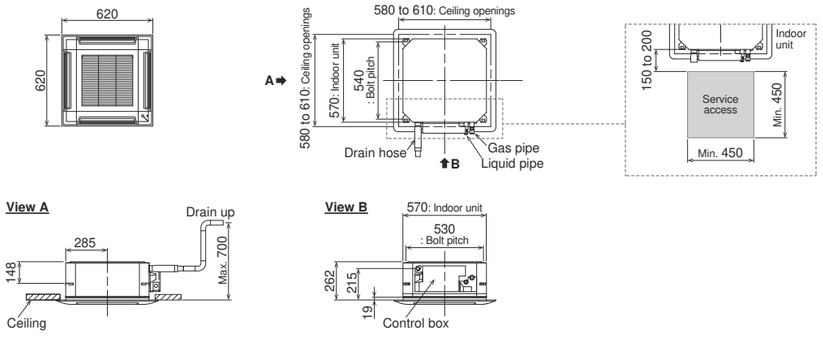
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Air Outlet Shutter Plate:	UTR-YDZB	Cassette Grille:	UTG-UFYC-W, UTG-UFYE-W
Flesh Air Intake Kit:	UTZ-VXAA	External power supply unit:	UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Insulation Kit for high humidity:	UTZ-KXGC		
Silver Ion Filter:	UTD-HFAA	Remote Sensor Kit:	UTY-XSZXZ1



Dimensions

(Unit: mm)



Cassette

Circular Flow

Slim

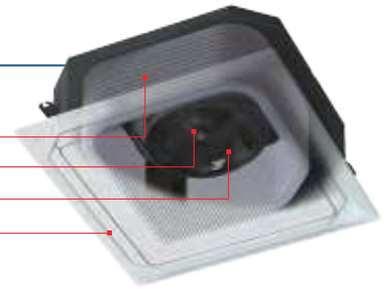


REFRIGERANT R410A

DC FAN

Unique Circular Flow Design

This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.



Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.





Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Occupancy sensor (Optional)

2 modes are available to choose from:

Auto economy mode	The air conditioner switches to operate on reduced power when it detects that the room is unoccupied.
Auto-off mode	The air conditioner stops operating when it detects that the room is unoccupied.

Model: AUXM018GLEH / AUXM024GLEH / AUXM030GLEH



Specifications

Model name			AUXM018GLEH	AUXM024GLEH	AUXM030GLEH
Power source			Single phase, 220-240V~, 50Hz		
Capacity	Cooling	kW	5.6	7.1	9.0
	Heating		6.3	8.0	10.0
Input power		W	20	25	49
Airflow rate	High	m^3/h	1,050	1,120	1,470
	Med-High		930	1,050	1,160
	Med		900	930	1,070
	Med-Low		870	900	930
	Low		810	870	900
	Quiet		780	780	780
Sound pressure level	High	dB(A)	33	35	40
	Med-High		32	33	36
	Med		31	32	34
	Med-Low		30	31	32
	Low		29	30	31
	Quiet		28	28	28
Dimensions (H × W × D)		mm	246 × 840 × 840		
Weight		kg	24.0	24.5	24.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52
	Gas (Flare)		12.70	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32		
Cassette Grille	Model name		UTG-UKYC-W/UTG-UKYA-B		
	Dimensions (H × W × D)	mm	53 × 950 × 950		
	Weight	kg	6.0		

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].
When AUX*018GLEH is connected to an outdoor unit other than one of the J-IVL series, the pipe diameter should be Ø9.52/Ø15.88 mm (Liquid/Gas).
When connecting AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH to an outdoor unit other than the outdoor unit of the J-IVL series, the gas pipe diameter should be Ø19.05 mm.

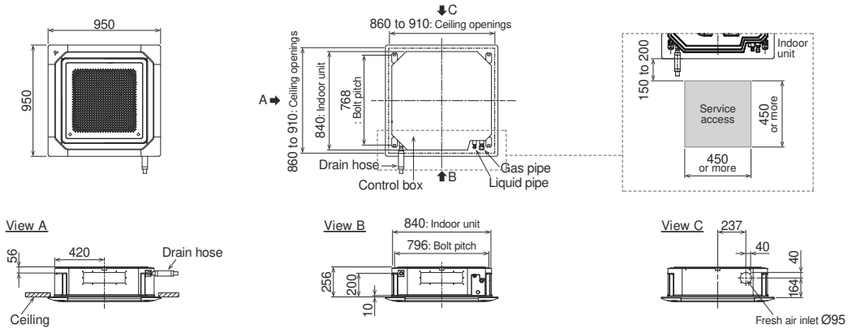
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Occupancy Sensor Kit:	UTY-SHZXC	Air Outlet Shutter Plate:	UTR-YDZK	Silver Ion Filter:	UTD-HFRA
Wide Panel:	UTG-AKXA-W	Insulation Kit for high humidity:	UTZ-KXRA	Remote Sensor Kit:	UTY-XSZXZ1
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UKYC-W, UTG-UKYA-B	External power supply unit:	UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Fresh Air Intake Kit:	UTZ-VXRA				

Dimensions

(Unit: mm)



Cassette

Circular Flow

Large

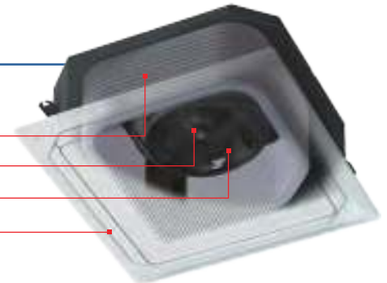


REFRIGERANT R410A

DC FAN

Unique Circular Flow Design

This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.



Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.





Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* UTY-RNRYZ6 / UTY-DCGYZ4 / UTY-RVRY only



Occupancy sensor (Optional)

2 modes are available to choose from:

Auto economy mode	The air conditioner switches to operate on reduced power when it detects that the room is unoccupied.
Auto-off mode	The air conditioner stops operating when it detects that the room is unoccupied.

Model: AUXK018GLEH / AUXK024GLEH / AUXK030GLEH
AUXK034GLEH / AUXK036GLEH / AUXK045GLEH
AUXK054GLEH



Specifications

Model name			AUXK018GLEH	AUXK024GLEH	AUXK030GLEH	AUXK034GLEH	AUXK036GLEH	AUXK045GLEH	AUXK054GLEH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating		6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W	40	40	47	47	61	89	116
Airflow rate	High	m^3/h	1,420	1,420	1,440	1,440	1,620	1,820	2,040
	Med-High		1,360	1,360	1,400	1,400	1,500	1,590	1,800
	Med		1,300	1,300	1,340	1,340	1,400	1,500	1,590
	Med-Low		1,270	1,270	1,300	1,300	1,340	1,400	1,440
	Low		1,200	1,200	1,280	1,280	1,280	1,300	1,300
	Quiet		1,150	1,150	1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	dB(A)	38	38	39	39	41	44	47
	Med-High		37	37	38	38	40	42	45
	Med		36	36	37	37	38	40	42
	Med-Low		35	35	36	36	37	38	39
	Low		34	34	35	35	36	36	36
	Quiet		33	33	33	33	33	33	33
Dimensions (H × W × D)		mm	288 × 840 × 840						
Weight		kg	26.5	26.5	29.5	29.5	29.5	29.5	29.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		12.70	15.88	15.88	15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UKYC-W/UTG-UKYA-B						
	Dimensions (H × W × D)	mm	53 × 950 × 950						
	Weight	kg	6.0						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].
When AUX*018GLEH is connected to an outdoor unit other than one of the J-IVL series, the pipe diameter should be Ø9.52/Ø15.88 mm (Liquid/Gas).
When connecting AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH to an outdoor unit other than the outdoor unit of the J-IVL series, the gas pipe diameter should be Ø19.05 mm.

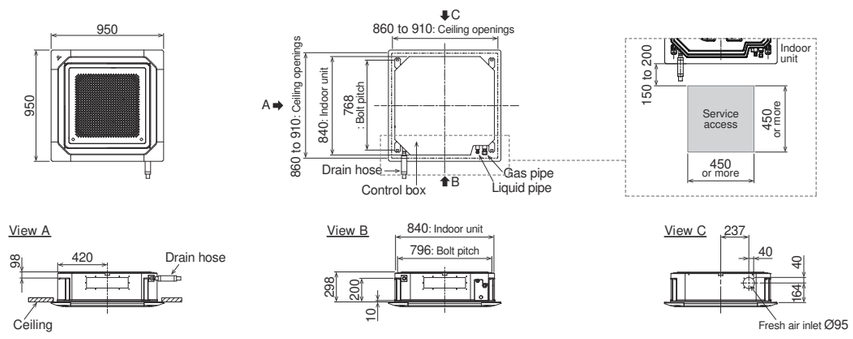
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Occupancy Sensor Kit:	UTY-SHZXC	Air Outlet Shutter Plate:	UTR-YDZK	Silver Ion Filter:	UTD-HFRA
Wide Panel:	UTG-AKXA-W	Insulation Kit for high humidity:	UTZ-KXRA	Remote Sensor Kit:	UTY-XSZXZ1
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UKYC-W, UTG-UKYA-B	External power supply unit:	UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Fresh Air Intake Kit:	UTZ-VXRA				

Dimensions

(Unit: mm)



Cassette
1-way Flow



REFRIGERANT R410A

DC FAN

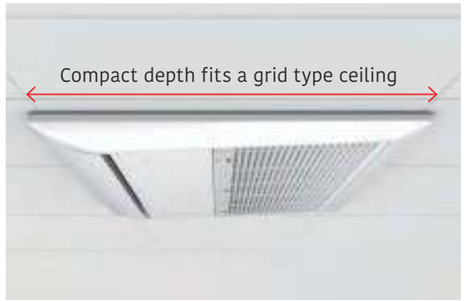
Compact Chassis Size

The compact size allows easy installation in a variety of commercial facilities and environments.

- The height of the chassis is less than 200 mm for all models.
- All 4 to 12 kBtu models are less than 1,000 mm wide.
- The depth of the chassis is 570 mm, which fits nicely into a grid type ceiling.

Dimensions (Panel size) (Unit: mm)

	4	7	9	12	14	18	24
H	198 (43)				198 (43)		
W	785 (950)				1,190 (1,360)		
D	570 (620)				570 (620)		



Wide Airflow Range

A large flap with a wide range of movements, equipped with louvers arranged triangularly, sends air into every corner of the room.



In cooling mode, the left/right airflow reaches every corner of the room without directly touching the human body to provide comfortable air conditioning.



In heating mode, warm air is directed downward toward the floor to warm the feet and lower body, while the head is kept relatively cool.



Note: This is a conceptual drawing. The performance of an air conditioner may vary depending on where it is installed, the size of the room, and its distance from the wall.

Quiet Mode

The low operating noise makes the model ideal for use in hotel rooms.



Model: AUXV004GLEH / AUXV007GLEH / AUXV009GLEH
AUXV012GLEH / AUXV014GLEH / AUXV018GLEH
AUXV024GLEH



AUXV004/007/009/012GLEH



AUXV014/018/024GLEH

Specifications

Model name			AUXV004GLEH	AUXV007GLEH	AUXV009GLEH	AUXV012GLEH	AUXV014GLEH	AUXV018GLEH	AUXV024GLEH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	30/30	42/42	42/42	60/60	38/38	56/56	99/99
Airflow rate*	High	m^3/h	460	550	550	670	720	890	1,150
	Med-High		440	440	440	520	660	840	1,020
	Med		420	420	420	480	630	770	940
	Med-Low		400	400	400	450	600	710	790
	Low		380	380	380	410	580	660	700
	Quiet		360	360	360	360	550	580	610
Sound pressure level*	High	dB(A)	38	42	42	45	37	44	49
	Med-High		37	37	37	41	36	43	47
	Med		36	36	36	39	35	40	45
	Med-Low		35	35	35	38	34	38	42
	Low		33	33	33	36	33	36	39
	Quiet		32	32	32	32	32	34	36
Net Dimensions (H × W × D)		mm	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 1,190 × 570	198 × 1,190 × 570	198 × 1,190 × 570
Weight		kg	18	19	19	19	26	26	27
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UNYA-W				UTG-UNYB-W		
	Net Dimensions (H × W × D)	mm	43 × 950 × 620				43 × 1,360 × 620		
	Weight	kg	6.5				8.5		

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

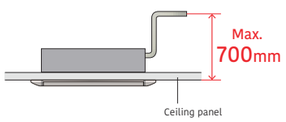
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Cassette Grille: UTG-UNYA-W (004-012), UTG-UNYB-W (014-024)
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Remote sensor kit: UTY-XSZXZ1

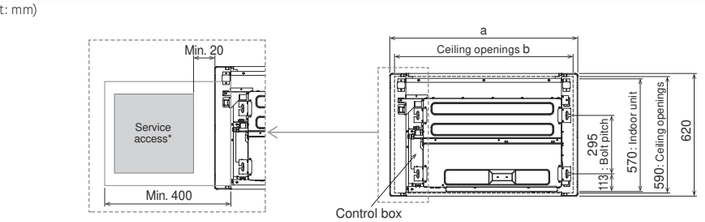
Flexible Installation

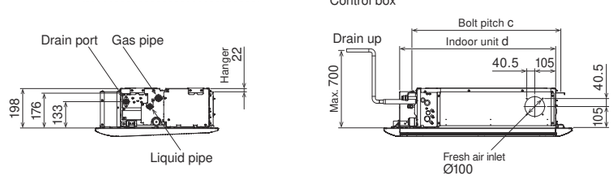
The L-shaped pipe kit allows for more flexible installation. Equipped with a built-in drain pump as standard, which enables a maximum pipe height difference of 700 m from the ceiling.



Dimensions

(Unit: mm)





	AUXV 004 / 007 / 009 / 012 GLEH	AUXV 014 / 018 / 024 GLEH
a	950	1,360
b	920	1,330
c	752	1,152
d	785	1,190

*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Cassette
3D Flow



REFRIGERANT R410A

DC FAN

3 Individually Controlled Air Outlet Ports

The Comfortable airflow setting enables the left and right air outlet ports as well as the wide center port to work together to provide a comfortable room environment.

Temperature distribution during cooling and heating (when set to Comfortable airflow)

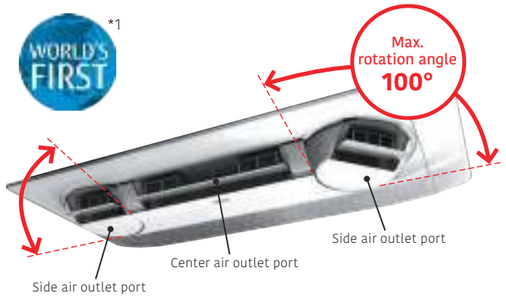


Testing conditions: Model AUXS024GLEH running cooling operation with the air volume set to "Hi" to maintain the room temperature at 18°C with the outdoor temperature at 35°C, tested in our 40m² environmental test room



Testing conditions: Model AUXS024GLEH running heating operation with the air volume set to "Hi" to maintain the room temperature at 30°C with the outdoor temperature at 7°C, tested in our 40m² environmental test room

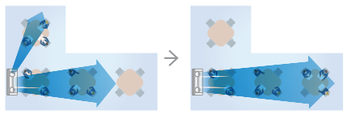
WORLD'S FIRST *1



*1: Announced 2018. In the category of room air conditioners for the home (source: General Inc.).

Individual Airflow Setting

The individual airflow setting function optimizes the airflow direction to match the room layout.



Adjusts airflows from the side air outlet ports to match the layout and usage of the room to minimize the amount of wasted airflow.



The airflow is optimally controlled to provide improved comfort in a narrow room.

Individual control of air outlet ports

Individual airflow can be set using a Wired remote controller with touch panel, Design type and Central remote controller*. The airflow from each air outlet port can be set individually.



Wired remote controller (Design type)
UTY-RVRY



Wired remote controller with Touch Panel
UTY-RNRYZ6



Central remote controller
UTY-DCGYZ4

* Feature available only on UTY-RNRYZ6 Wired remote controller with touch panel and UTY-DCGYZ4 Central remote controller

High Energy Saving

The structural design to take in a larger volume of air and blow air out more smoothly reduces air blowing loss and achieves class-leading energy-saving performance.



*: 018 model

Model: AUXS018GLEH / AUXS024GLEH



Specifications

Model name			AUXS018GLEH	AUXS024GLEH
Power source			Single phase, 220-240V~, 50Hz	
Capacity	Cooling	kW	5.60	7.10
	Heating		6.30	8.00
Input power		W	20/28	34/43
Airflow rate*	High	m^3/h	750/870	950/1,040
	Med-High		710/830	890/990
	Med		690/780	860/930
	Med-Low		660/740	810/880
	Low		630/700	770/840
	Quiet		540/540	540/540
Sound pressure level*	High	dB(A)	38/41	43/46
	Med-High		36/40	42/45
	Med		35/39	41/43
	Med-Low		35/37	40/42
	Low		33/36	38/40
	Quiet		29/29	29/29
Net Dimensions (H × W × D)		mm	200 × 1,240 × 500	200 × 1,240 × 500
Weight		kg	25	25
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52
	Gas (Flare)		12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32	
Cassette Grille	Model name		UTG-USYA-W	
	Net Dimensions (H × W × D)	mm	85 × 1,350 × 580	
	Weight	kg	11.5	

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
*: Applicable to cooling and heating operation

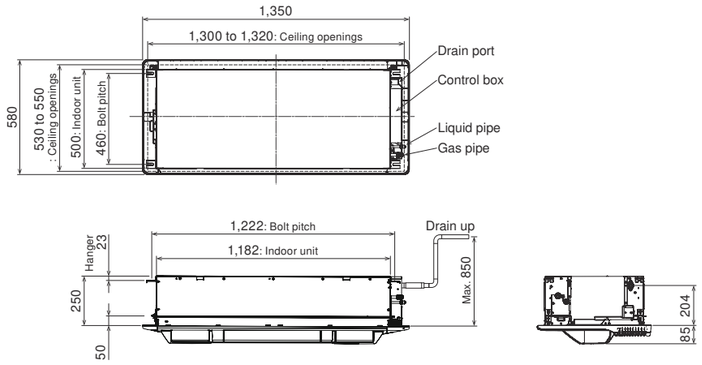
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

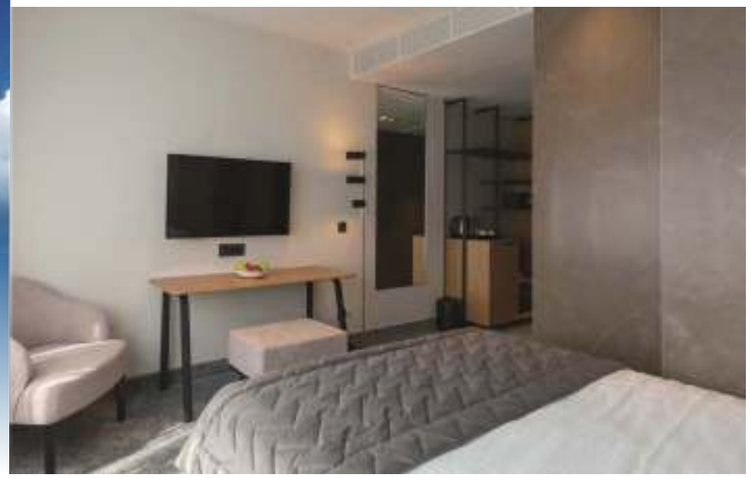
Remote sensor kit: UTY-XSZXZ1
Cassette Grille: UTG-USYA-W
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD

Dimensions

(Unit: mm)



Mini Duct

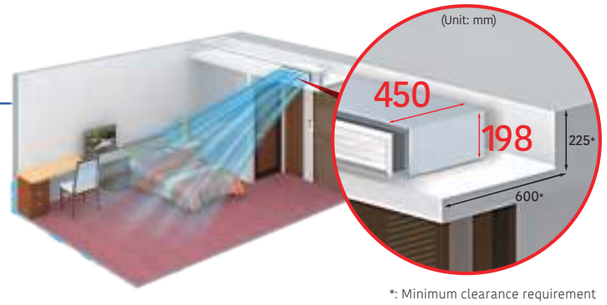


REFRIGERANT R410A

DC FAN

Space Saving Design

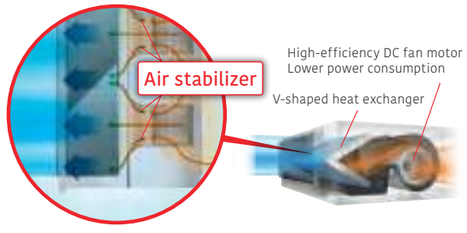
- Fits into a space 198 mm high and 450 mm deep
- 30% smaller than previous-generation models
- Weighs 16 kg, 10% lighter



*: Minimum clearance requirement

Optimum Airflow Path and Low Noise Operation

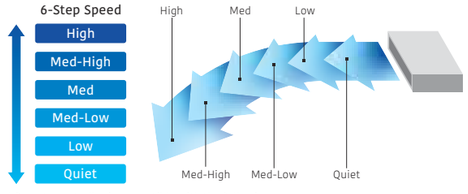
The stabilized airflow reduces the noise level significantly.



6-Speed Control*

Multistep airflow adjustment allows installation in a quiet location.

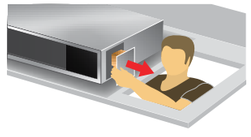
Low noise
20 dB(A)
at 04 model



* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

Easy to Design and Maintain for Drain

Indoor unit design for easy maintenance Parts can be replaced from the side of the unit where maintenance is easier.



A drain pump is built into the unit as standard:

Parts can be accessed and replaced through the side of the unit for easy maintenance.

Model: ARXK004GLGH / ARXK007GLGH / ARXK009GLGH
ARXK012GLGH / ARXK014GLGH / ARXK018GLGH
ARXK024GLGH



ARXK004/007/009/012/014GLGH



ARXK018GLGH



ARXK024GLGH

Specifications

Model name			ARXK004GLGH	ARXK007GLGH	ARXK009GLGH	ARXK012GLGH	ARXK014GLGH	ARXK018GLGH	ARXK024GLGH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	26	28	28	35	66	73	80
Airflow rate	High	m^3/h	460	460	460	550	760	930	1,160
	Med-High		440	440	440	520	660	840	1,060
	Med		420	420	420	480	560	740	960
	Med-Low		400	400	400	450	490	640	860
	Low		370	370	370	410	410	540	750
	Quiet		340	340	340	340	340	470	610
Static pressure range		Pa	0 to 30	0 to 30	0 to 30	0 to 30	0 to 50	0 to 50	0 to 50
Standard static pressure			10	10	10	10	15	15	15
Sound pressure level	High	dB(A)	25	26	26	29	34	33	32
	Med-High		24	25	25	27	31	30	30
	Med		23	24	24	26	28	28	28
	Med-Low		22	23	23	25	26	26	27
	Low		21	22	22	24	24	24	25
	Quiet		20	21	21	22	22	22	22
Net Dimensions (H × W × D)		mm	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 900 × 450	198 × 1,100 × 450
Weight		kg	14.5	15.5	15.5	16	16	19	22.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit: UTY-XSZXZ1
Silver Ion Filter: UTD-HFTA (004-014)
UTD-HFTB (018)
UTD-HFTC (024)

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Auto Louver Grille Kit: UTD-GXTA-W (004-014)
UTD-GXTB-W (018)
UTD-GXTC-W (024)

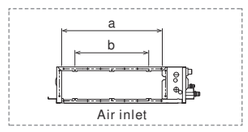
Auto Louver Grille Kit (Optional)

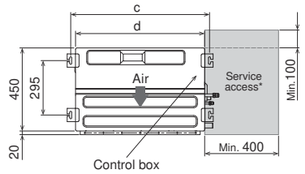
The slim design of the unit provides comfortable cooling and heating air conditioning over a wide area.
The optional automatic louver grille, which fits nicely into any interior decor, provides comfortable air conditioning (Optional)



Dimensions

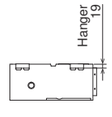
(Unit: mm)

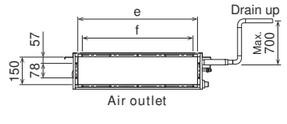


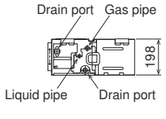


	ARXK 004-014GLGH	ARXK018GLGH	ARXK024GLGH
a	575	775	975
b	P200×2=400	P200×3=600	P200×4=800
c	752	952	1,152
d	700	900	1,100
e	650	850	1,050
f	P100×6=600	P100×8=800	P100×10=1,000

*The design of the service access depends on the installation method. Refer to the installation manual for more information.







Slim Duct/ Slim Concealed Floor

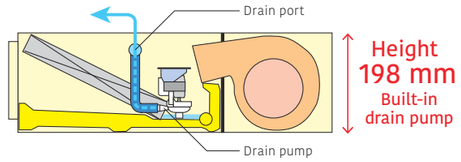


REFRIGERANT R410A

DC FAN

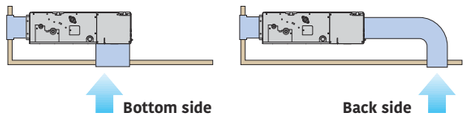
Slim Design

Slim design allows for installation in a tight ceiling space.



Air Intake

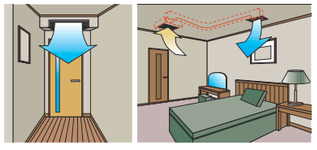
Air intake direction can be selected to match the installation site.



Flexible Installation

Ceiling concealed





Floor concealed





Wide Range of Static Pressures

The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa.
The static pressure range can be changed by a remote controller.

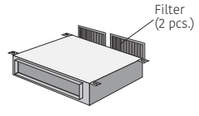


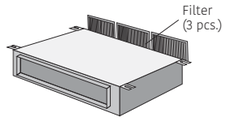
Static pressure range
0 to 90 Pa

*024 model static pressure range is 0 to 50 Pa.

Filter (Accessory)

ARXD04/007/009/012/014/018 ARXD024





Model: ARXD04GALH / ARXD007GLEH / ARXD009GLEH
ARXD012GLEH / ARXD014GLEH / ARXD018GLEH
ARXD024GLEH



ARXD04GALH
ARXD007/009/012/014GLEH



ARXD018GLEH



ARXD024GLEH

Slim Concealed Floor



Specifications

Model name			ARXD04GALH*	ARXD007GLEH	ARXD009GLEH	ARXD012GLEH	ARXD014GLEH	ARXD018GLEH	ARXD024GLEH
Power source			Single phase, 220-240V~, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	40	44	50	54	92	83	122
Airflow rate	High	m^3/h	510	550	600	600	800	940	1,330
	Med-High		-	480	510	530	680	820	1,140
	Med		400/470*1	440	460	490	600	730	1,020
	Med-Low		-	410	420	450	520	630	900
	Low		320/440*1	370	370	410	440	540	780
	Quiet		-	320	320	340	340	470	610
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50
Standard static pressure			25	25	25	25	25	25	25
Sound pressure level	High	dB(A)	26	28	29	30	34	34	35
	Med-High		-	26	27	28	32	31	31
	Med		21/25*1	25	25	27	30	29	29
	Med-Low		-	24	24	26	28	27	27
	Low		20/22*1	22	22	24	25	25	24
	Quiet		-	21	21	22	22	23	21
Net Dimensions (H × W × D)		mm	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620	198 × 1,100 × 620
Weight		kg	17	17	17	18	18	22	26
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		12.70	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].
*1: This value is under cooling operation.
*: ARXD04GALH cannot be connected to J-IVS/J-IV/J-IVL/VR-IV series.

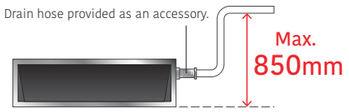
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit: UTY-XSZXZ1
Silver Ion Filter: UTD-HFTA (04, 007-014)
UTD-HFTB (018)
UTD-HFTC (024)

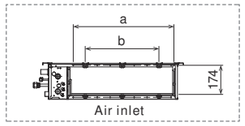
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Auto Louver Grille Kit: UTD-GXTA-W (04, 007-014)
UTD-GXTB-W (018)
UTD-GXTC-W (024)

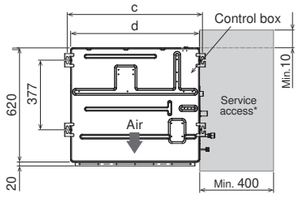
Drain hose provided as an accessory.

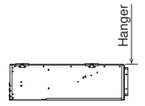


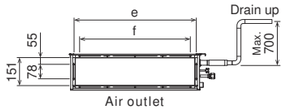
Dimensions

(Unit: mm)



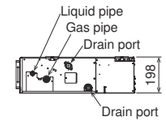






	ARXD04GALH ARXD 007-014GLEH	ARXD018GLEH	ARXD024GLEH
a	574	774	974
b	P200×2=400	P200×3=600	P200×4=800
c	734	934	1,134
d	700	900	1,100
e	650	850	1,050
f	P100×6=600	P100×8=800	P100×10=1,000

*The design of the service access depends on the installation method. Refer to the installation manual for more information.



Duct

Low Static Pressure
High Efficiency

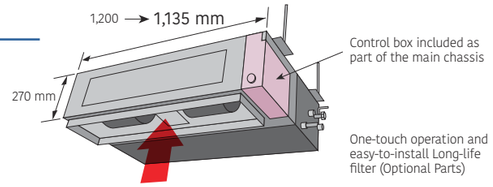


REFRIGERANT R410A

DC FAN

Slim & Compact Design

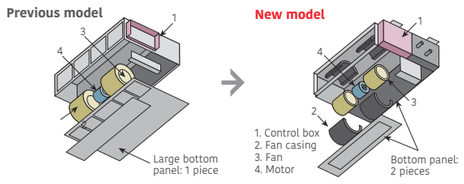
The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.



Easy Maintenance

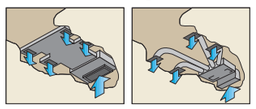
Structural improvement has been developed by making the bottom panel in two pieces, front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. The motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing with the main chassis remaining in place.

See below for rear-suction type

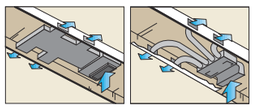


Installation Styles

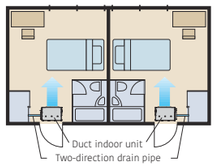
Embedded in Ceiling



Hanging from Ceiling



A Drain Pipe can be Installed on Either The Left or Right Side of The Unit



High-Efficiency DC Fan Motor Achieves Low-Energy Consumption

Improved motor efficiency from previous model.



024 model

030/036/045 model

Wide Range of Static Pressures

Static pressures can be changed in the range of 0 to 80 Pa.

Static pressure range
0 to 80 Pa

Model: ARXP018GLFH / ARXP030GLFH *** Production by order**



Specifications

Model name			ARXP018GLFH	ARXP030GLFH
Power source			Single phase, 220-240V~, 50Hz	
Capacity	Cooling	kW	5.6	9.0
	Heating		6.3	10.0
Input power		W	128	228
Airflow rate	High	m^3/h	1,540 / 1,440	1,940 / 1,660
	Med-High		1,460 / 1,380	1,810 / 1,580
	Med		1,380 / 1,320	1,680 / 1,510
	Med-Low		1,300 / 1,260	1,550 / 1,440
	Low		1,220 / 1,200	1,420 / 1,370
	Quiet		1,150 / 1,150	1,300 / 1,300
Static pressure range		Pa	0 to 80	0 to 80
Standard static pressure			40	50
Sound pressure level	High	dB(A)	35 / 34	39 / 36
	Med-High		34 / 32	38 / 35
	Med		32 / 31	36 / 34
	Med-Low		31 / 30	34 / 33
	Low		29 / 29	32 / 31
	Quiet		28 / 28	30 / 30
Net Dimensions (H × W × D)		mm	270 × 1,135 × 700	270 × 1,135 × 700
Weight		kg	40	40
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52
	Gas (Flare)		12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32	

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

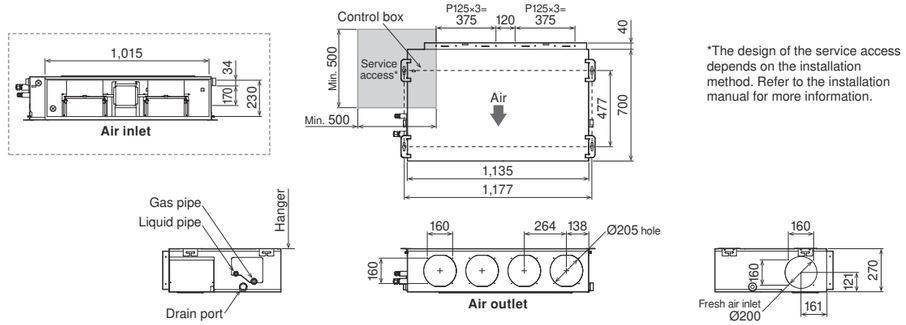
Long-life filter: UTD-LF25NA
Flange (square): UTD-SF045T
Flange (round): UTD-RF204

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Remote sensor unit: UTY-XSZXZ1

Drain pump unit: UTZ-PX1NBA
Silver Ion Filter: UTD-HFND

Dimensions

(Unit: mm)



*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Duct
Medium Static Pressure

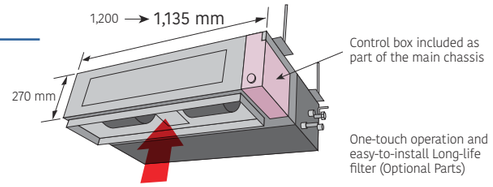


REFRIGERANT R410A

DC FAN

Slim & Compact Design

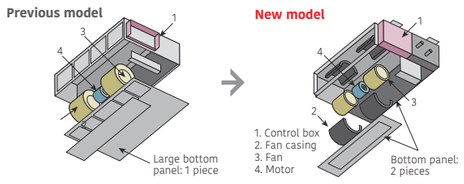
The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.



Easy Maintenance

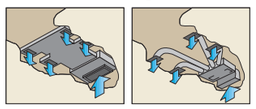
Structural improvement has been developed by making the bottom panel in two pieces, front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. The motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing with the main chassis remaining in place.

See below for rear-suction type

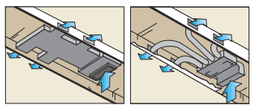


Installation Styles

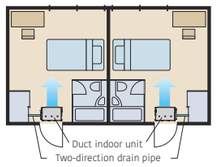
Embedded in Ceiling



Hanging from Ceiling



A Drain Pipe can be Installed on Either The Left or Right Side of The Unit



High-Efficiency DC Fan Motor Achieves Low-Energy Consumption.

Improved motor efficiency from previous model.



024 model

030/036/045 model

Wide Range of Static Pressures

Static pressures can be changed in the range of 0 to 150 Pa.

Static pressure range
0 to 150 Pa

Model: ARXA024GLEH / ARXA030GLEH / ARXA036GLEH / ARXA045GLEH



Specifications

Model name			ARXA024GLEH	ARXA030GLEH	ARXA036GLEH	ARXA045GLEH
Power source			Single phase, 220-240V~, 50Hz			
Capacity	Cooling	kW	7.1	9.0	11.2	12.5
	Heating		8.0	10.0	12.5	14.0
Input power		W	94	108	194	240
Airflow rate	High	m^3/h	1,280	1,410	1,840	1,970
	Med-High		1,180	1,350	1,750	1,910
	Med		1,090	1,280	1,660	1,860
	Med-Low		1,000	1,240	1,600	1,780
	Low		920	1,190	1,530	1,710
	Quiet		840	1,150	1,470	1,640
Static pressure range		Pa	0 to 150	0 to 150	0 to 150	0 to 150
Standard static pressure			40	50	50	60
Sound pressure level	High	dB(A)	31	34	37	41
	Med-High		29	33	36	40
	Med		27	32	35	38
	Med-Low		26	31	35	38
	Low		24	30	34	37
	Quiet		23	29	33	36
Net Dimensions (H × W × D)		mm	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
Weight		kg	36	40	40	40
Connection pipe diameter	Liquid (Flare)	mm	9.52	9.52	9.52	9.52
	Gas (Flare)		15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32			

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

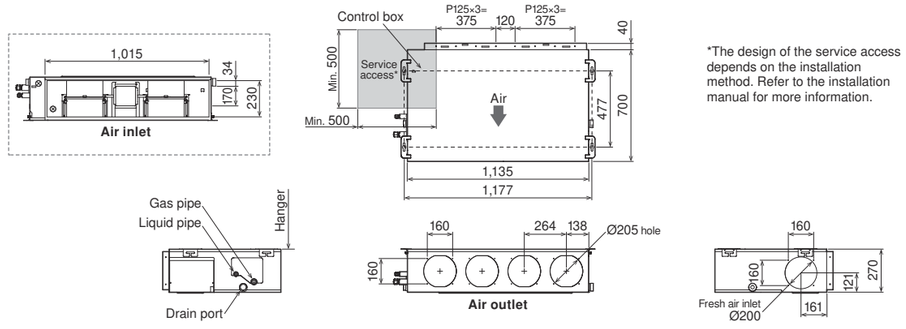
Long-life filter: UTD-LF25NA
Flange (square): UTD-SF045T
Flange (round): UTD-RF204

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Remote sensor unit: UTY-XSZXZ1

Drain pump unit: UTZ-PX1NBA
Silver Ion Filter: UTD-HFND

Dimensions

(Unit: mm)



*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Duct
High Static Pressure



REFRIGERANT R410A

Static Pressure Mode Selection

The use of a DC fan motor makes it possible to adjust the static pressure between 0 to 200 Pa (ARXC036) / 250Pa (ARXC045/060) / 300 Pa (ARXC072/090/096)

MAX. 200 Pa (036type) | MAX. 250 Pa (045/060type)



(ARXC036/045/060 type)

MAX. 300 Pa



(ARXC072/090 type)

MAX. 300 Pa

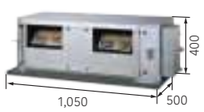


(ARXC096 type)

Easy Installation (Compact & Lightweight)

(Unit: mm)

The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.



(ARXC036/045/060 type)



(ARXC072/090 type)

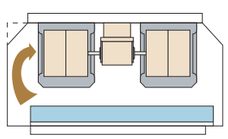


(ARXC096 type)

Low Noise

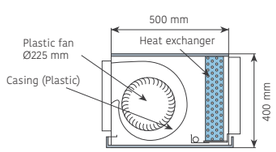
Models: ARXC036/ARXC045/ARXC060

The corners of the front panel and fan casing of the indoor unit are shaved to reduce air turbulence. The use of a plastic case and fan reduces the noise level generated by the unit.



ARXC036GTEH:

Plastic fan [42 dB(A)]
* Model: Material (Actual noise measurement value measured at 100 Pa)



High-Efficiency DC Fan Motor Achieves Low Energy Consumption

Improved motor efficiency compared to the previous model.



(ARXC036/045/060 type)



(ARXC072/090/096 type)

Model: ARXC036GTEH / ARXC045GTEH / ARXC060GTEH
ARXC072GTEH / ARXC090GTEH / ARXC096GTEH



ARXC036/045/060GTEH



ARXC072/090GTEH



ARXC096GTEH

Specifications

Model name			ARXC036GTEH	ARXC045GTEH	ARXC060GTEH*	ARXC072GTEH*	ARXC090GTEH*	ARXC096GTEH*
Power source			Single phase, 220-240V~, 50Hz					
Capacity	Cooling	kW	11.2	12.5	18.0	22.4	25.0	28.0
	Heating		12.5	14.0	20.0	25.0	28.0	31.5
Input power		W	207	715	730	681	819	838
Airflow rate	High	m^3/h	1,990	3,500	3,500	3,900	4,300	4,850
	Med		1,680	3,000	3,000	3,300	4,000	4,250
	Low		1,330	2,460	2,460	3,000	3,500	3,600
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300	0 to 300
Standard static pressure			100	100	100	150	150	150
Sound pressure level	High	dB(A)	42	49	49	47	48	48
	Med		36	45	45	43	46	45
	Low		32	42	42	40	44	42
Net Dimensions (H × W × D)		mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	450 × 1,587 × 700	450 × 1,587 × 700	550 × 1,587 × 700
Weight		kg	40	46	46	84	84	105
Connection pipe diameter	Liquid	mm	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	9.52 (Brazing)
	Gas		15.88 (Flare)	15.88 (Flare)	15.88 (Flare)	19.05 (Flare)	19.05 (Flare)	22.22 (Brazing)
Drain Hose Diameter (I.D./O.D.)			25/32					

Note: Specifications are based on the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
*: ARXC060/072/090/096G cannot be connected to J-IV/J-IVS series.

Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Long-life filter: UTD-LF60KA (036/045/060)
Remote sensor unit: UTY-XSZXZ1

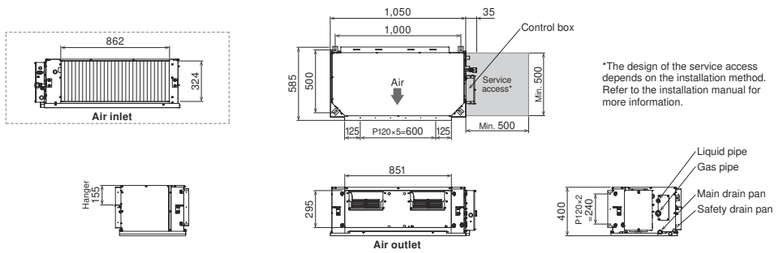
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD

Silver Ion Filter: UTD-HFKB (036/045/060)

Dimensions

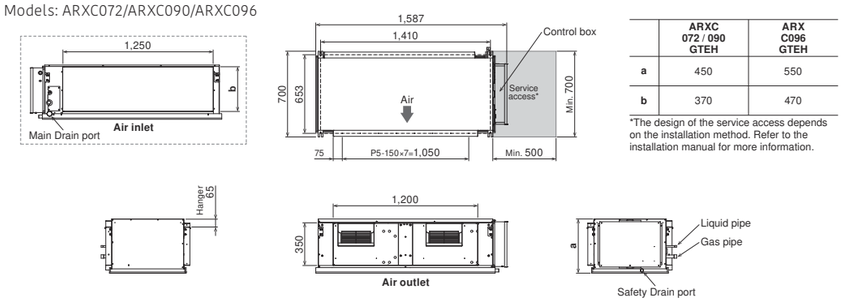
(Unit: mm)

Models: ARXC036/ARXC045/ARXC060



*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Models: ARXC072/ARXC090/ARXC096



	ARXC 072 / 090 GTEH	ARX C096 GTEH
a	450	550
b	370	470

*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Floor
Compact



REFRIGERANT R410A

DC FAN

2-Fan and Wide Airflow

A 2-fan individual vertical airflow cools or warms the entire room comfortably.

Cooling



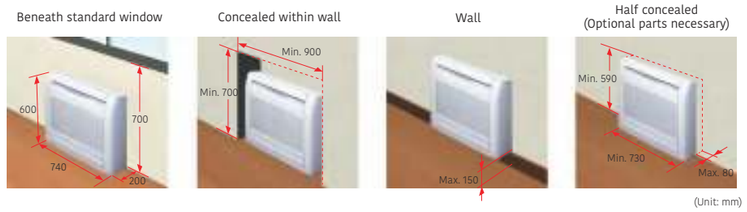


Heating



Flexible and Easy Installation

The compact and whole-surface suction design provides flexible installation options, including floor-standing, embedded, partially embedded, and wall-mounted installation to match the room layout.



(Unit: mm)

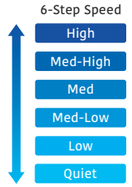
Quiet Operation

6-fan speed control for quiet operation (via 2-wire controller)

Low noise
22 dB(A)

004/007/009 models

6-Step Speed

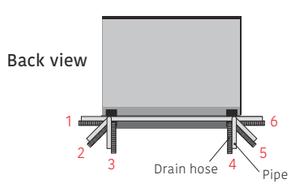




* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

Flexible Pipe Connection Enables Draining and Piping in 6 Directions

The drain hose and pipe can be connected to the unit in the right, left, straight in depth, or downward direction.



Model: [EEV Internal]
AGYA004GCGH / AGYA007GCGH / AGYA009GCGH
AGYA012GCGH / AGYA014GCGH



Specifications

Model name			AGYA004GCGH	AGYA007GCGH	AGYA009GCGH	AGYA012GCGH	AGYA014GCGH
Power source			Single phase, 220-240V~, 50Hz				
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0
	Heating		1.3	2.8	3.2	4.0	4.5
Input power		W	12/14	16	17	22	29
Airflow rate	High	m^3/h	380/430	470	500	590	670
	Med-High		350	420	450	520	590
	Med		320	390	400	470	520
	Med-Low		310	360	360	420	450
	Low		280	330	330	390	390
	Quiet		210	270	270	340	340
Sound pressure level	High	dB(A)	35/36	37	38	42	46
	Med-High		33	35	36	39	42
	Med		31	33	34	37	39
	Med-Low		30	31	31	35	36
	Low		28	29	29	33	33
	Quiet		22	22	22	30	30
Net Dimensions (H × W × D)		mm	600 × 740 × 200				
Weight		kg	15.0	15.0	15.0	15.0	15.0
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7				

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
When connecting AGYA004/007/009GCGH, AGYE004/007/009GCEH to an outdoor unit other than an outdoor unit of the J-IVL series, the gas pipe diameter should be Ø12.70 mm.

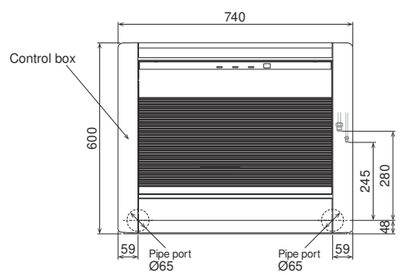
Optional parts

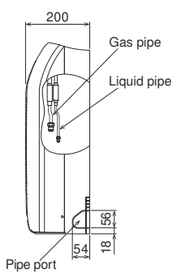
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Partially concealing kit: UTR-STA
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Silver Ion Filter: UTR-FA03-5

Dimensions

(Unit: mm)





Floor / Ceiling
Standard



REFRIGERANT R410A

DC FAN

Flexible Installation

Example of floor standing installation
Floor standing console with the back against the wall



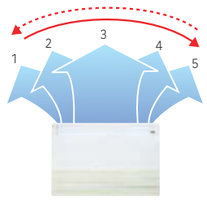
Example of ceiling installation
Under ceiling



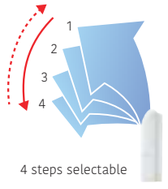
Double Auto Swing

The combination of left and right and vertical swings enables 3-dimensional control of the airflow direction.

RIGHT and LEFT SWING



UP and DOWN SWING



4 steps selectable

High-Power DC Fan Motor

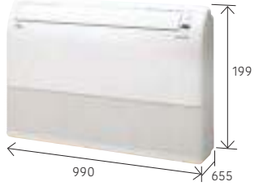
- High power
- Wide rotation range
- High-efficiency



Compact Design

(Unit: mm)

Symmetrical, slim and compact design.



Model: ABYA012GTEH / ABYA014GTEH / ABYA018GTEH / ABYA024GTEH



Floor standing



Specifications

Model name			ABYA012GTEH	ABYA014GTEH	ABYA018GTEH	ABYA024GTEH
Power source			Single phase, 220-240V~, 50Hz			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating		4.0	5.0	6.3	8.0
Input power		W	30	42	74	99
Airflow rate	High	m^3/h	660	780	1,000	1,000
	Med-High		620	740	910	930
	Med		580	690	830	870
	Med-Low		550	640	750	800
	Low		520	600	660	740
	Quiet		490	550	580	680
Sound pressure level	High	dB(A)	36	40	46	47
	Med-High		34	39	44	45
	Med		33	38	42	43
	Med-Low		31	36	40	41
	Low		29	35	37	39
	Quiet		28	34	35	37
Net Dimensions (H × W × D)		mm	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655
Weight		kg	25	26	26	27
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	9.52
	Gas (Flare)		12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32			

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

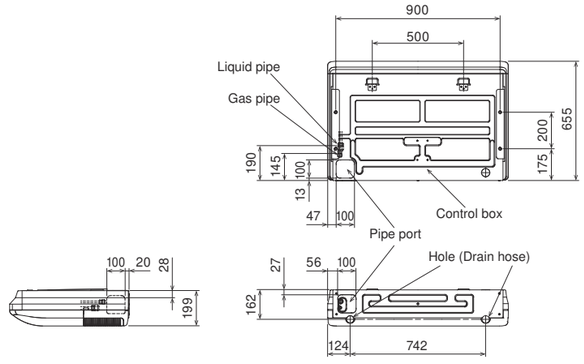
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Remote sensor unit: UTY-XSZXZ1

Dimensions

(Unit: mm)



Ceiling

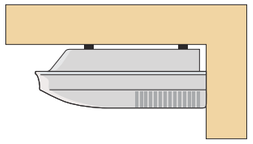


REFRIGERANT R410A

DC FAN

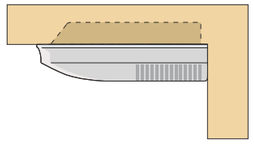
Installation

Open



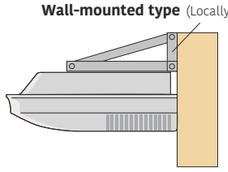
General installation with indoor unit installed on the ceiling

Concealed



Installation with indoor unit embedded into the ceiling

Wall-mounted type (Locally Available)

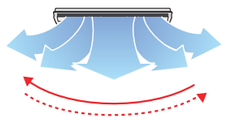


Wall-mounting brackets are used to mount the indoor unit on the wall. (Locally available)
This type of installation is used when the ceiling space is insufficient.

Double Auto Swing and Wide Airflow

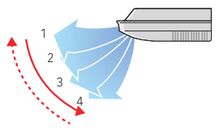
Auto airflow direction and auto swing

Left/Right



5 steps selectable

Up/Down



4 steps selectable

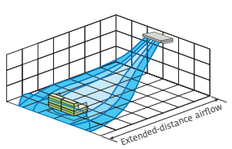
High-Power DC Fan Motor

- High power
- Wide rotation range
- High-efficiency

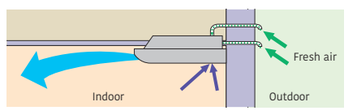


Long Airflow

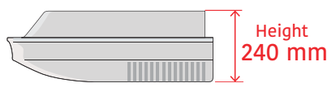
Long airflow provides comfort in every corner of a large room.



Fresh Air Intake



Slim & Compact Design



Model: ABYA030GTEH / ABYA036GTEH / ABYA045GTEH / ABYA054GTEH



Specifications

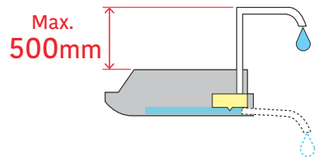
Model name			ABYA030GTEH	ABYA036GTEH	ABYA045GTEH	ABYA054GTEH
Power source			Single phase, 220-240V~, 50Hz			
Capacity	Cooling	kW	9.0	11.2	12.5	14.0
	Heating		10.0	12.5	14.0	16.0
Input power		W	66	85	131	180
Airflow rate	High	m^3/h	1,630	1,690	2,010	2,270
	Med-High		1,520	1,560	1,840	2,070
	Med		1,420	1,450	1,690	1,860
	Med-Low		1,320	1,360	1,530	1,660
	Low		1,220	1,270	1,380	1,470
	Quiet		1,140	1,170	1,230	1,280
Sound pressure level	High	dB(A)	42	45	48	51
	Med-High		40	41	46	49
	Med		39	39	45	46
	Med-Low		37	38	41	43
	Low		35	36	38	40
	Quiet		33	34	35	36
Net Dimensions (H × W × D)		mm	240 × 1,660 × 700	240 × 1,660 × 700	240 × 1,660 × 700	240 × 1,660 × 700
Weight		kg	46	48	48	48
Connection pipe diameter	Liquid (Flare)	mm	9.52	9.52	9.52	9.52
	Gas (Flare)		15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32			

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Optional parts

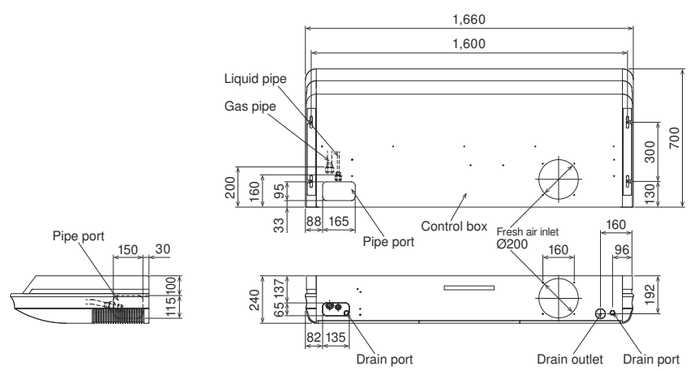
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Drain pump unit: UTR-DPB24T
Flange: UTD-RF204
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Remote sensor unit: UTY-XSZXZ1



Dimensions

(Unit: mm)



Wall-Mounted

EEV internal / EEV external



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DC FAN

Highly-Efficiency, Compact Design

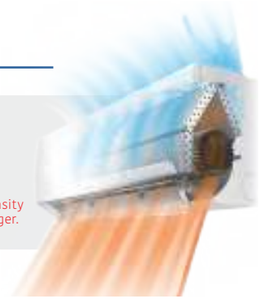
The 004-014 models share the same design.
The high-density and large heat exchanger achieves a highly-efficiency and compact design.
The compact body blends in well with conference rooms and offices, providing comfortable air conditioning.

High-density heat exchanger



Slim tube design: 5 mm

Greater heat-exchanging capacity is achieved through the use of a high-density heat exchanger and a sub-heat exchanger.



More Comfortable Airflow

The unique power diffuser provides comfortable air conditioning.

Heating

The vertical airflow provides powerful floor-level heating.



Cooling

The left/right airflow avoids blowing cool air directly at the occupants in a room.



Quiet Operation & 6-Step Fan Speed Control

The airflow pattern achieves significant noise reduction. Multistep airflow adjustment to suit the environment

Quiet mode
37 dB(A)
004/007/009 models

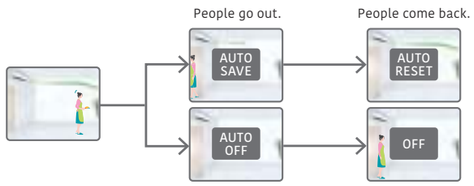


* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ4 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* If you want to use the Occupancy sensor control' function, you need an setting device that can set the Occupancy sensor control' function. For example: Wired RC (Touch panel).



Model: [EEV Internal]
ASYA004GCGH / ASYA007GCGH / ASYA009GCGH
ASYA012GCGH / ASYA014GCGH

[EEV External]
ASYE004GCEH / ASYE007GCEH / ASYE009GCEH
ASYE012GCEH / ASYE014GCEH



Specifications

Model name			ASYA004GCGH	ASYA007GCGH	ASYA009GCGH	ASYA012GCGH	ASYA014GCGH	ASYE004GCEH	ASYE007GCEH	ASYE009GCEH	ASYE012GCEH	ASYE014GCEH
Power source			Single phase, 220-240V~, 50Hz					Single phase, 220-240V~, 50Hz				
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
	Heating		1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power		W	12	19	20	25	36	12	19	34	25	36
Airflow rate	High	m^3/h	450	550	610	690	800	450	550	610	690	800
	Med-High		430	510	560	610	740	430	510	560	610	740
	Med		400	470	510	560	680	400	470	510	560	680
	Med-Low		380	410	440	530	610	380	410	440	530	610
	Low		360	360	360	470	550	360	360	360	470	550
	Quiet		310	310	310	330	330	310	310	310	330	330
Sound pressure level	High	dB(A)	31	34	37	40	44	31	35	43	40	44
	Med-High		30	32	35	37	42	30	32	38	37	42
	Med		28	30	32	35	40	28	30	34	35	40
	Med-Low		27	28	29	33	37	27	27	29	33	37
	Low		26	26	26	30	34	26	24	24	30	34
	Quiet		22	22	22	24	24	22	22	22	24	24
Net Dimensions (H × W × D)		mm	268 × 840 × 203					268 × 840 × 203				
Weight		kg	8.0	8.5	8.5	8.5	8.5	8.0	8.5	8.5	8.5	8.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	9.52	9.52	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7					13.8/15.8 to16.7				
EV kit (optional)			–					UTR-EV09XB			UTR-EV14XB	

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]
When connecting ASY*004G**H, ASY*007G**H, ASY*009G**H to an outdoor unit other than the outdoor unit of the J-IVL series, the gas pipe diameter should be Ø12.70 mm.

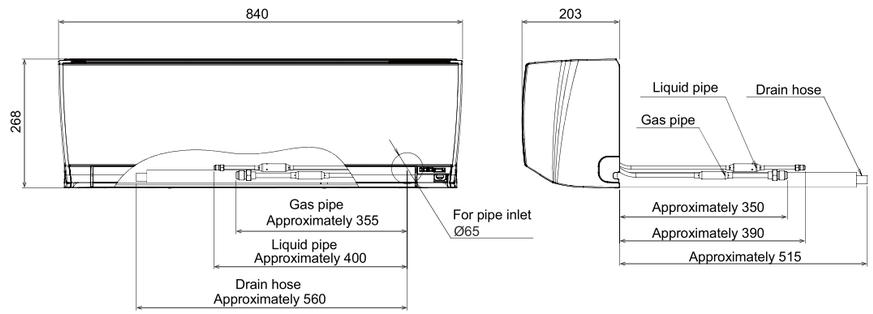
Optional parts

*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Silver Ion Filter: UTR-FA16-5
Remote sensor kit: UTY-XSZXZ1
EV kit: UTR-EV09XB/UTR-EV09XC (004-009), UTR-EV14XB/UTR-EV14XC (012-014)
(For EEV external model)

Dimensions

(Unit: mm)



Wall-Mounted





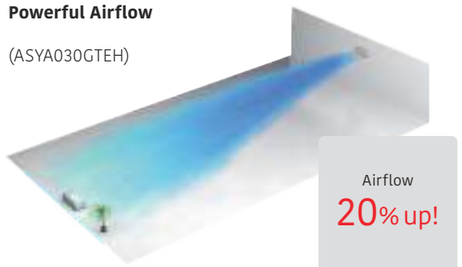
REFRIGERANT R410A

DC FAN

Powerful & Comfort Airflow

Powerful Airflow

(ASYA030GTEH)

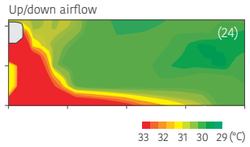


Airflow
20% up!

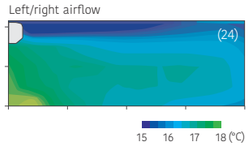
Power diffuser

(ASYA18/24GBCH)

Up/down airflow



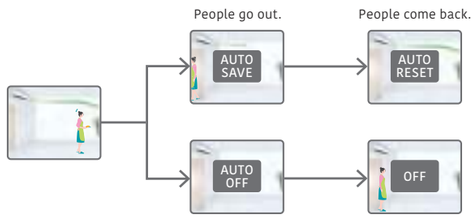
Left/right airflow



The Occupancy Sensor Contributes to Further Energy Savings (ASYA030/034GTEH only)

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

* If you want to use the Occupancy sensor control' function, you need an setting device that can set the Occupancy sensor control' function. For example: Wired RC (Touch panel).



6-Step Fan Speed Control for Quiet Operation

The airflow pattern achieves significant noise reduction. A 6-step sound level setting allows for multiple-step quiet operations.

Quiet mode
33 dB(A)

030/034 models



* Remote controller is compatible with the following:
UTY-RVRY / UTY-RNRYZ6 / UTY-RLRY / UTY-RSRYZ1 / UTY-RHRYZ1 / UTY-DCGYZ6 / UTY-ALGXZ1 / UTY-APGXZ1

Model: ASYA18GBCH / ASYA24GBCH
ASYA030GTEH / ASYA034GTEH



ASYA18/24GBCH



ASYA030/034GTEH

Specifications

Model name			ASYA18GBCH	ASYA24GBCH	ASYA030GTEH	ASYA034GTEH
Power source			Single phase, 220-240V~, 50Hz		Single phase, 220-240V~, 50Hz	
Capacity	Cooling	kW	5.6	7.1	9.0	10.0
	Heating		6.3	8.0	10.0	11.2
Input power		W	32	60	74	103
Airflow rate	High	m^3/h	840	1,100	1,440	1,620/1,520
	Med-High		-	-	1,200	1,300
	Med		770	910	1,050	1,120
	Med-Low		-	-	940	980
	Low		690	730	890	890
	Quiet		-	-	700	700
Sound pressure level	High	dB(A)	41	48	53	55/54
	Med-High		-	-	49	51
	Med		39	43	45	47
	Med-Low		-	-	42	43
	Low		35	35	39	39
	Quiet		-	-	33	33
Net Dimensions (H × W × D)		mm	320 × 998 × 238	320 × 998 × 238	340 × 1,150 × 280	340 × 1,150 × 280
Weight		kg	15	15	18	18
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	9.52
	Gas (Flare)		12.70	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			12/16		13.8/15.8 to16.7	

Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].
When connecting ASYA18GBCH to an outdoor unit other than the outdoor unit of the J-IVL series, the pipe diameter should be Ø9.52/Ø15.88 mm (Liquid/Gas).

Optional parts

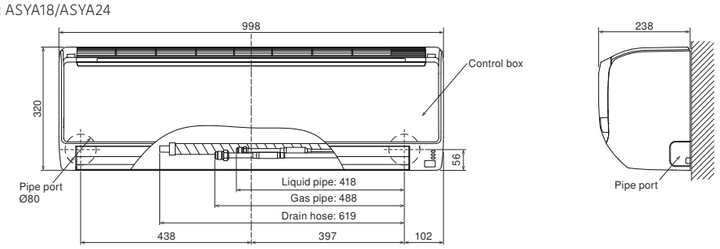
*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD
Remote sensor kit: UTY-XSZXZ1
Silver Ion Filter: UTR-FA13-3

Dimensions

(Unit: mm)

Models: ASYA18/ASYA24



Models: ASYA030/ASYA034

