

GENERAL

AIR CONDITIONERS

The Extreme Machine

Cooling Only type

VRF **VC-V** Series



INVERTER

FUJITSU GENERAL (INDIA) PRIVATE LIMITED

FUJITSU GENERAL Way

Our Mission

Living together for our future

Through innovation and technology, we deliver a brighter future with the peace of mind to our customers and societies around the world.

Our Philosophy

Act Spontaneously

We embrace new challenges by investing in ourselves for personal growth, and through continuous creativity with a spontaneous attitude.

Develop Our Team

We respect and value our people, and optimize their abilities through fostering culture and diversity, and utilizing a collaborative effort focused on communication.

Value Integrity

To achieve our goals, we always act with integrity and shared ethics.

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VENTILATION

CONTROL SYSTEM & OPTIONAL PARTS



History

1936 Established as Yaou Shouten Ltd.

Overseas Air Conditioning Business since 1971

1960: Air conditioning business starts. Japan-domestic business starts.

1971 Air conditioner exports to Middle East.

1977 "Super Power, Super Quiet" Series

1982 Window type 3 Super Series

AL/AX Series



1985 Large wall mounted and multi air conditioner introduced.



***1,*2** **1991** Air conditioner with the world's first lambda heat exchanger

1994 Air conditioner with the world's first power diffuser

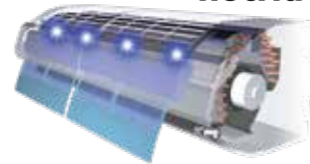
2001 AIRSTAGETM Series is released. VRF air conditioners for large-sized buildings.

AIRSTAGE



***3** **2002** Air conditioner with the world's first automatic self-cleaning filter system

nocria



2004 Standalone type small VRF AIRSTAGETM J Series is released.



2006 VRF Heat Pump type Max. 42 HP AIRSTAGETM V Series is released.

AIRSTAGE V



2009 Heat Pump Modular type Max. 48 HP AIRSTAGETM V-II Series is released.

2009 Air to Water system is released.

WATERSTAGE



For Light Commercial

2011 High energy saving type AIRSTAGETM ETM J-II Series is released.

2014 Small & lightweight outdoor unit AIRSTAGETM J-IIS that has improved easy installation with a single fan

2016 Small VRF AIRSTAGETM J-III that has advanced energy saving and easy installation is released.

2017-19 Small VRF AIRSTAGETM J-IIIIL suitable for diverse light commercial properties is released.



For Commercial

2012 Heat Recovery Modular type AIRSTAGETM VR-II Max. 48 HP is released. New cassette style released. 3D Flow Cassette

2014-15 Heat Pump Modular type AIRSTAGETM V-III Max. 54 HP ideal for large properties is released

For Residential

2011 Hi-spec Design models LT Series & LU Series is released.

2017 Flagship Wall Mounted models nocriaTM X is released.

2017-19 Environment-friendly new refrigerant R32 models are added. (Split & Multi-split type)



For Light Commercial

Small & lightweight outdoor unit AIRSTAGETM ETM J-IVL, J-IV, J-IVS outdoor units released.



For Commercial

Heat pump type AIRSTAGETM V-III Tropical Max. 54 HP is released.



For Residential



Split Design models KE Designer Series, New Ceiling and Air to Water Comfort Series released.



1950 ~

1970 ~

2000 ~

2010 ~

2020 New Topic

Manufacturing Company Establishment

1955 Headquarters in Kawasaki

1964 Electronic components factory in Ichinoseki



1977 Air conditioner manufacturing company in Hamamatsu (now Hamamatsu business office)

1991 Air conditioner manufacturing company in Thailand.

1994 Air conditioner manufacturing company in Shanghai, China.

1998 Air conditioner motor manufacturing company in Thailand.

2006 VRF air conditioner manufacturer, sale, and service company in China.

2007 Air conditioner technology building completed on Main Office group. Air conditioner R&D Center in Kawasaki.

2009 Operation of compressor factory begins in Thailand.

2012 Joint venture in Thailand to manufacture compressors

2016 Commercial use air conditioner R&D Center in Thailand



2019 Construction of new building to strengthen development capabilities at Kawasaki head office:

Base to create new value by combining internal and external knowledge



2020 Construction of Manufacturing That Utilizes the IoT:

We will introduce a real-time IoT System to immediately visualize and analyze a variety of information.



New Fujitsu General (Thailand) Co., Ltd. (Thailand) FACTORY-2



Fujitsu General (U.K.) Co., Ltd. (U.K.)



Fujitsu General (EURO) GmbH

Sales & Service Maintenance Company Establishment

1976 North America sales company

1977 Europe sales company (UK)

1978 Australia sales company / Europe sales company (Germany)

1980 Brazil sales company

1997 Asia sales company (Singapore)

1998 Middle East sales company (UAE) / New Zealand sales company

2000 Air conditioner manufacturing and sale technical partnership in India

2002 Taiwan sales company

2006 China sales company

2016 THE AIRSTAGE on Broadway in New York



*1: Announced 1991. In room air conditioner for the home (our company's investigation) *2: Announced 1994. In room air conditioner for the home (our company's investigation) *3: Announced 2002. In room air conditioner for the home (our company's investigation)

*4: Announced 2018. In room air conditioner for the home (Our company's investigation) *5: Announced 2012. In room air conditioner for the home (Our company's investigation)



World Wide Locations

Promoting Globalization from a global perspective while emphasizing the actual local situation in the field under the aim of advancing our five-base system (Europe, Middle East, Asia & Oceania, America, and Japan)



JAPAN Head Office



New Technology Research Building (Japan)

• Air conditioner solution center
"THE AIRSTAGE" in Manhattan, New York

• Fujitsu General America, Inc.

• Fujitsu General Do Brasil Ltda.

• Fujitsu General Air Conditioning (UK) Limited
• Fujitsu General (U.K.) Co., Limited

• Fujitsu General (Euro) GmbH
• Fujitsu General Commercial Air Conditioning Italia S.p.A.

• Fujitsu General Orient International
Electronics Sales (Shanghai) Co., Ltd.

• Fujitsu General Limited

• Fujitsu General (Taiwan) Co., Ltd.

• Fujitsu General
(Thailand) Co.,Ltd.
Bangkok Office

• Fujitsu General (Aust.)
Pty Limited

• Fujitsu General
(India) Private Limited

• Fujitsu General
New Zealand
Limited

• Fujitsu General
(Asia) Pte. Ltd.

• Fujitsu General
(Middle East) FZE

15 Overseas Sales Companies



Fujitsu General Orient International
Electronics Sales (Shanghai) Co., Ltd. (China)



Fujitsu General (Taiwan) Co., Ltd. (Taiwan)



Fujitsu General (Thailand) Co.,Ltd.
Bangkok Office (Thailand)



Fujitsu General (Asia) PTE. Ltd.
(Singapore)



Fujitsu General (EURO) GmbH
(Germany)



Fujitsu General (U.K.) Co., Ltd. (U.K.)



Fujitsu General Air Conditioning
(UK) Limited (U.K.)



Fujitsu General Commercial Air
Conditioning Italia S.p.A. (Italy)



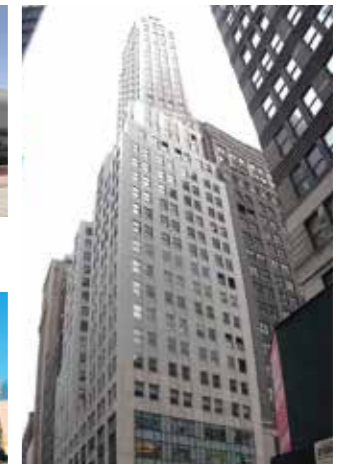
Fujitsu General (Aust.) Pty Ltd.
(Australia)



Fujitsu General New Zealand Ltd.
(New Zealand)



Fujitsu General (Middle East) FZE
(U.A.E.)



FUJITSU GENERAL SOLUTION
CENTER "THE AIRSTAGE" (U.S.A.)



Fujitsu General Do Brasil Ltda.(Brasil)



Fujitsu General (India) Private Limited

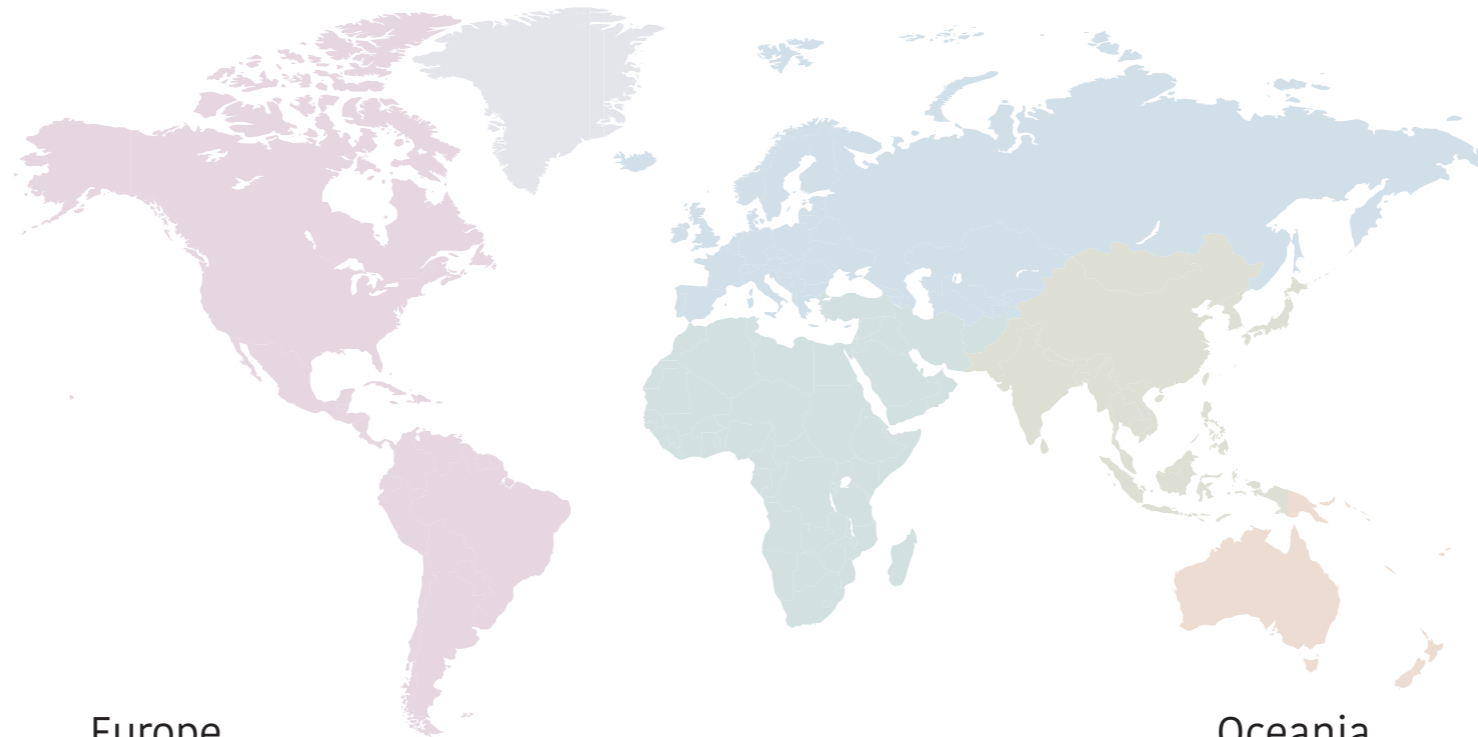


Fujitsu General America, Inc. (U.S.A.)



Global Business Activities

We are engaging in advertising, human resource development, CS activities, and social contribution activities worldwide. These activities have been recognized throughout different regions by the awards we have been honored with.



North/South America



AHR Expo



HVAC trade show in Brazil



Distributor meeting



Call center

Middle East



Exhibition



Dealer Convention in Kuwait



Technical seminar



Training for dealers

Europe



HVAC trade show in Europe countries



Presentation & training



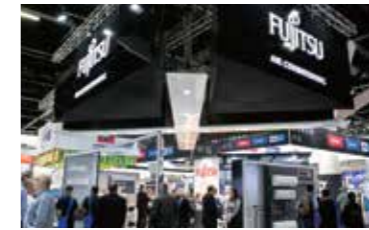
HVAC trade show in Europe countries



ACR Show



Oceania



HVAC trade show in Australia



Charity (Christchurch)



Service & Maintenance

Asia



New Product Presentation Meeting



Dealer Convention in Thailand



Training



Call center

International authoritative design awards



"Dealer Design Awards" of "the NEWS"



Gold Award (Category: HVAC & PLUMBING) in Reader's Choice Awards



TOP OF MIND 2016" First prize in "MARCA DE EQUIPAMENTO AR-CONDICIONADO" category of "CLIMATIZACAO" division



Super brand is the world's largest independent arbiter of branding



The iF Product Design Award is given each year by "iF International Forum Design GmbH" for industrial products from around the world.



reddot winner 2020

The product design competition has existed since 1955. Its award, the "red dot", is an internationally recognized quality seal.



Coolworld Industry Awards "Most Efficient Air Conditioner"



Canstar Blue Most Satisfied Customers Award



China State Construction Engineering Luban Prize



The Good Design Award is sponsored by the Japan Institute of Design Promotion and is awarded once a year for an item of excellent design.



Global Development & Production Bases

R&D centers are set up in five countries of Japan, Europe, Asia, China and North America in the world. We pursue the environmental property and comfort to meet each area needs.

- • Head Office
- • R&D Center
- • Manufacturing Companies

R&D Center & Technology Research Building



R&D Center in Fujitsu General (EURO) GmbH (Germany)



R&D Center in Fujitsu General America (U.S.A.)



Fujitsu General Air Conditioning R&D (Thailand) Co., Ltd. (Thailand)



R&D Center in Fujitsu General (Shanghai)



JAPAN Head Office, R&D Center and 60 m Height Difference Testing Tower (Japan)

Technology Research Building in Japan Head Office



Construction of Manufacturing That Utilizes the IoT

We will introduce a real-time IoT System to immediately visualize and analyze a variety of information (e.g., the facility operating situation, production progress on assembly lines, and the inventory and transportation situation of parts). This will enhance the accuracy of production and shipping forecasts in the Head Office and Factory Management Department. In addition, we will also utilize this in the improvement activities of employees in production sites with the aim of improving the productivity efficiency, parts distribution efficiency and facility operating ratio.

• Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.

• F.G.L.S Electric Co., Ltd.

• Fujitsu General (Euro) GmbH
-R&D Center

• Fujitsu General America, Inc.
-R&D Center

• Fujitsu General Limited
—R&D Center

• Fujitsu General (Shanghai) Co., Ltd.
-R&D Center

• Fujitsu General Air Conditioning R&D (Thailand) Co., Ltd.
-R&D Center

• Fujitsu General (Thailand) Co., Ltd.

• FGA (Thailand) Co., Ltd.

• TCFG Compressor (Thailand) Co., Ltd.

Overseas Manufacturing Companies



Fujitsu General (Shanghai) Co., Ltd. (China)



F.G.L.S Electric Co., Ltd. (China)



Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd. (China)



New Fujitsu General (Thailand) Co., Ltd. (Thailand) FACTORY-2



Fujitsu General (Thailand) Co., Ltd. (Thailand)



Fujitsu General Air Conditioning R&D (Thailand) Co., Ltd. (Thailand)



FGA (Thailand) Co., Ltd. (Thailand)



TCFG Compressor (Thailand) Co., Ltd. (Thailand)



High Quality Development & Production Facilities

Advanced Research Facility and Equipment

Performance Testing



Air Volume Measurement Room

Measure air volumes of the air conditioners from compact room air conditioner models to VRF.



Calorimeter

Measure the cooling/heating capacity by measuring the inlet and outlet temperatures, humidity, and air volume of the air conditioner.



Silent Room

Measure the operating sounds of air conditioners with the sound reflection-proof walls and ceiling.

Fujitsu General is one of Japan's leading manufacturers with an R&D Center in Japan. We provide customers with the highest quality and performance using these facilities.

Reliability Testing



Constant Temperature Room

Check on the product performance in cooling/heating operation under the various temperature and humidity conditions.



Practical Test Room

Check on whether the air conditioners performance under the actual house conditions is sustainable.



Shower Test Room

Check on whether the electrical box of the outdoor unit is protected by rain waters with Typhoon like wind.

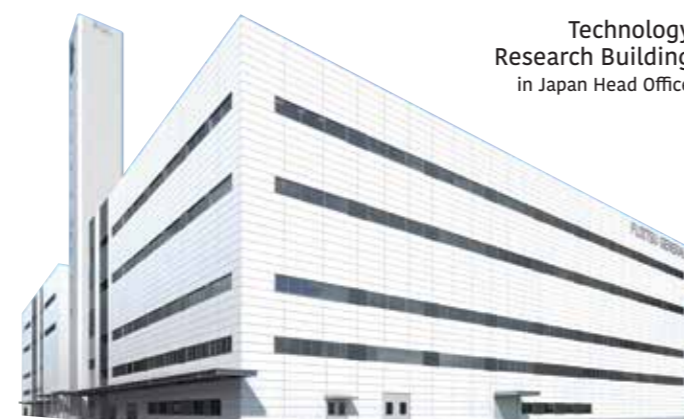
Transportation & Handling



Compressibility testing



Vibration testing



Technology Research Building
in Japan Head Office

Testing Laboratory

Fujitsu General EMC Laboratory Limited



60 m Height Difference Testing Tower

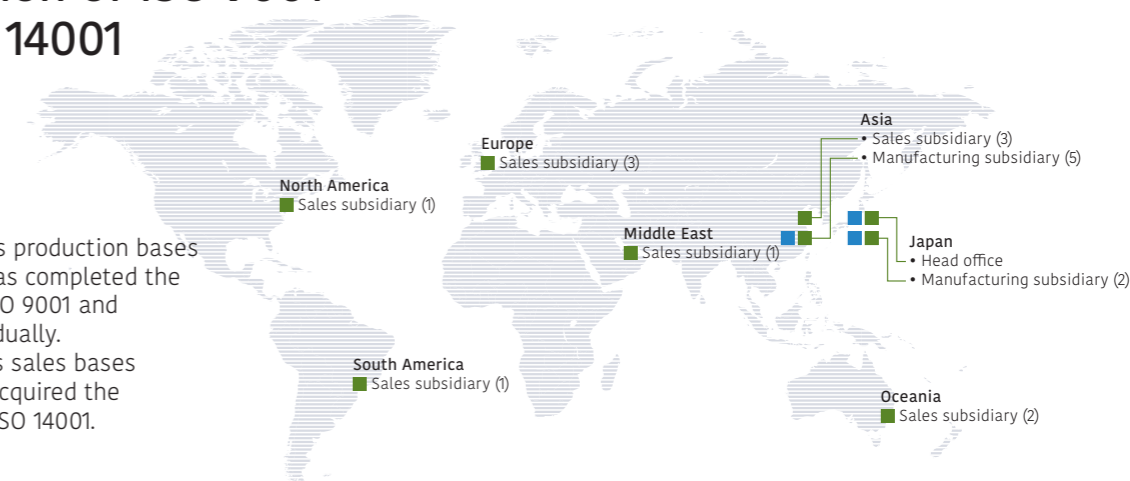
Objective is to confirm oil circulation of compressor for reliability



Acquisition of ISO 9001 and ISO 14001

■ ISO 9001
■ ISO 14001
() Number of companies

Each of overseas production bases (5 companies) has completed the acquisition of ISO 9001 and ISO 14001 individually. In 2012, overseas sales bases (11 companies) acquired the certification of ISO 14001.



High Product Quality Assurance

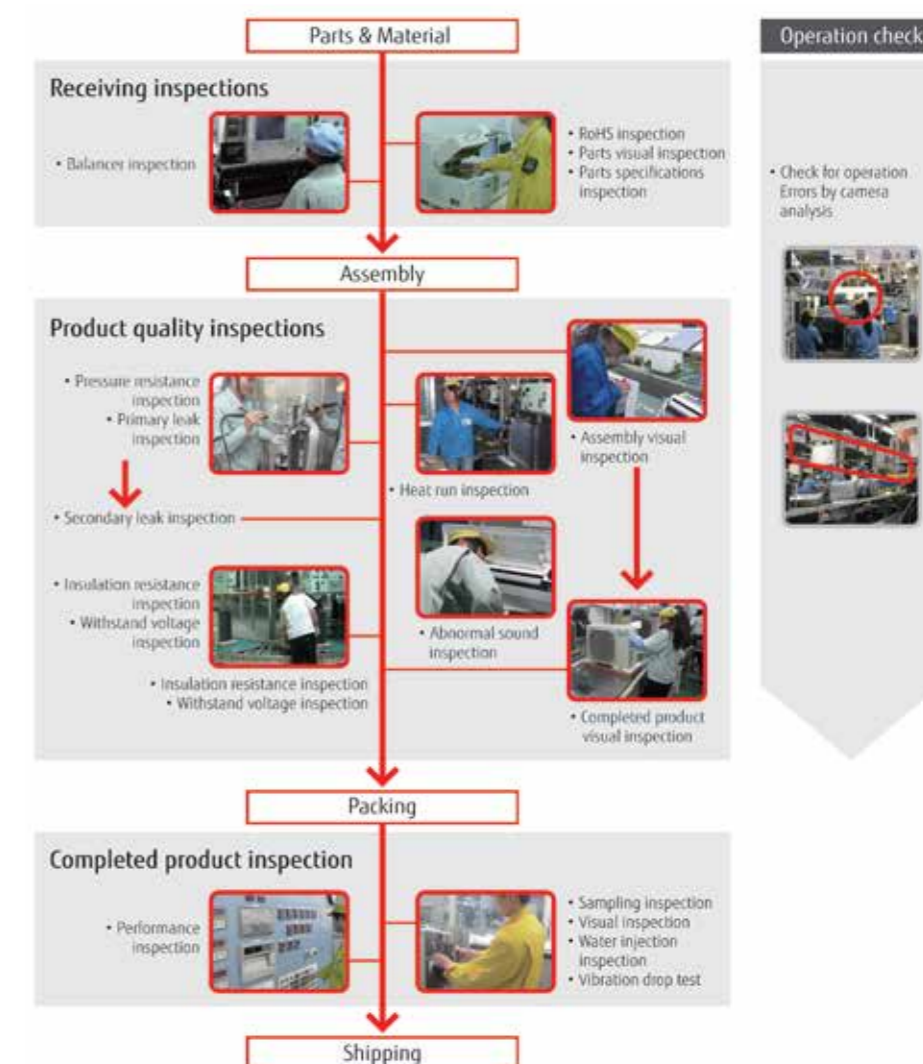
All Fujitsu General factories have acquired ISO 9001, and have built a quality control system common around the world. High quality products are offered to all over the world based on stringent quality inspections.

Receiving inspection

Parts procurement requires a supplier's test report. European regulation RoHS inspection is also performed by special test department in-house. Total number inspection is performed especially on main parts to remove defectives.

Stringent product quality inspection

Stringent quality inspection is carried out at all production processes. High quality is maintained by stringent checks by inspectors and repetitive inspection.



From city to oasis, and for a sustainable future



8 / 10 / 12HP models

14 / 16HP models

18 / 20HP models



INVERTER

Smart, cutting-edge design with an extensive lineup from 8HP to 80HP with the capacity ratio of indoor units connectable up to 150%.
 51 models ranging from 8 to 80HP

- Standard combination: 37 models from 8 to 80HP
- Energy efficient combination: 14 models from 16 to 44HP

Cooling Only type

VRF VC-V Series

System configuration example

- This system is used for medium and large-sized buildings. Connecting each outdoor unit makes it possible to create a high capacity system.
- Connection of multiple indoor units using separation tubes and headers.

Wide lineup of 51 models from 8 to 80HP

Standard combination improvement

HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80			
Standard	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	<div></div>															
Energy Efficiency					●	●	●		●	●	●	●	●	●	●	●	●	●	●																					

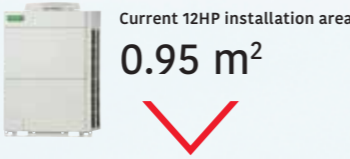
New range

Compact Design



Standard combination and compact size

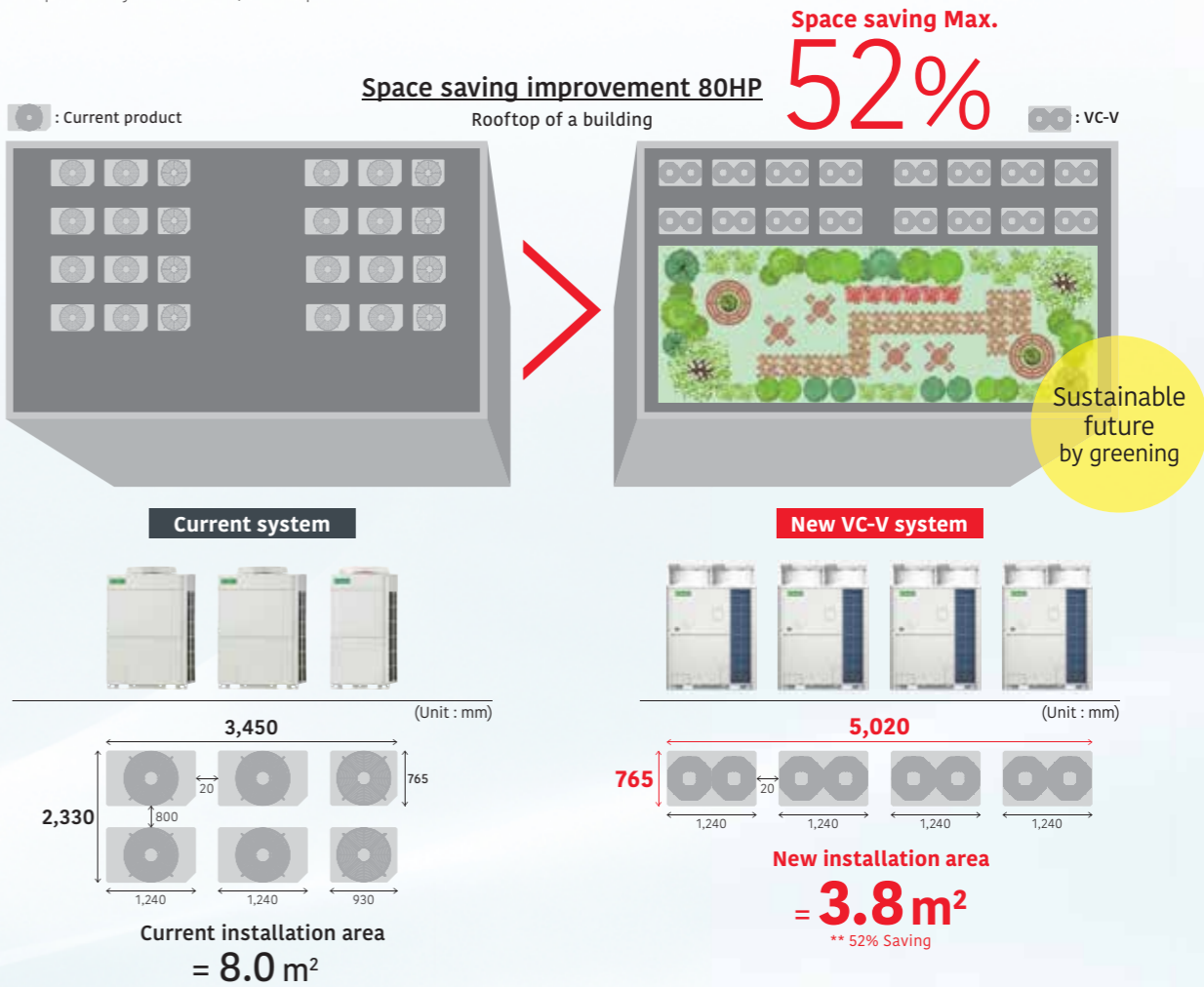
Space efficiency has been achieved by significantly reducing the chassis of the outdoor units compared to previous models.



Reduces the number of systems and installation area

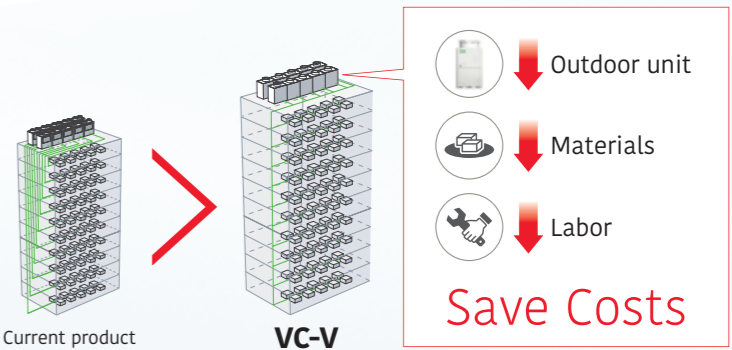
Since the installation area can be reduced, the reduced space can be used for other purposes.
For example, the area can be used as a biotope to contribute to a sustainable future by greening it.

*Comparison of multiple 80 HP systems installed, for example



Contributes to reduction of project costs

Up to 80HP can be selected for a single refrigerant system.
This reduces the number of outdoor units and materials required for installation (piping, power lines, communication lines, racking, breakers, conduit, etc.) compared to conventional products. This product is designed to reduce project costs.



Energy saving technology that boosts operation efficiency

Powerful large propeller fan

By using CFD*1 technology, a newly designed fan achieves high performance and low noise operation.

*1. CFD=Computational Fluid Dynamics

High system flexibility

The industry-leading high static pressure, long pipe design, and connection capacity, enable flexible installation on each floor and installation of various indoor units.



High static pressure
82Pa

Installation example

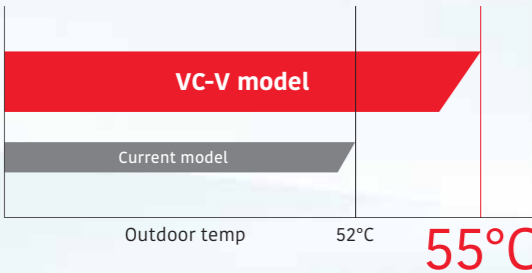
Subcool heat exchanger

High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.



Wide operating range

Designed to perform at ambient temperatures as high as 55°C. Installation in extreme temperature conditions is possible due to an increased operational range.



3 phase DC fan motor

Efficiency is substantially improved by high efficiency motor with sophisticated driver control. In addition, low noise is realized by DC fan motor.



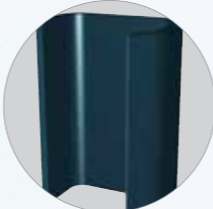
Sine wave DC inverter control

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

4-face heat exchanger

*14-20HP only

Heat exchange efficiency is significantly improved by the introduction of a 4-face heat exchanger that increases effective surface area.



High Performance Scroll Compressor

The combination of a scroll compressor and our proprietary sensorless sine wave control that smoothly controls the input power into the motor can achieve a wider rotational frequency range from 15 to 120rps, resulting in high energy-efficiency and quieter operation.



Intelligent refrigerant control

Fujitsu 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 also provides increased energy savings.

New model (VC-V)



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

Class leading High energy efficiency

The use of our proprietary heat exchanger structure and high-efficiency Scroll compressors achieves class leading Energy Efficiency Ratio (EER) in every combination.

Class leading High EER

5.07

Energy Efficiency combinations

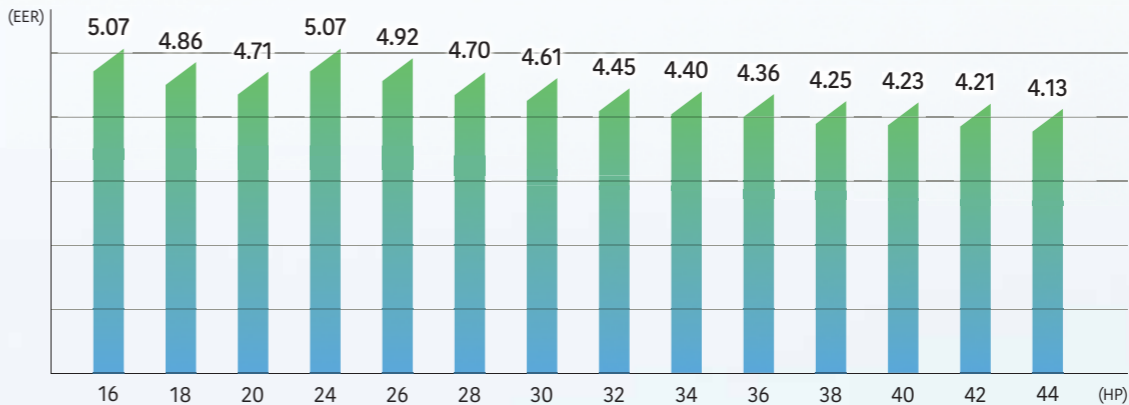


16HP



24HP

Energy Efficiency combinations



Overall piping length Max. 1,000 m

World's top class overall piping length of 1,000 m allows for application in a wide variety of buildings.

*700m in case of single outdoor unit

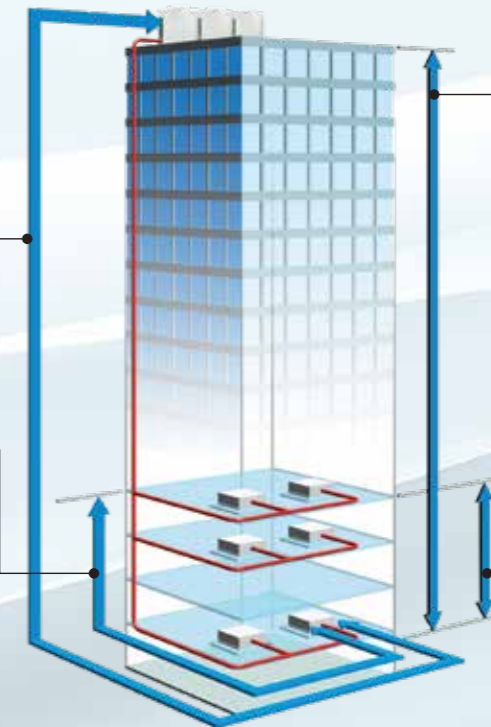
Actual pipe length
Max. 165 m

Pipe length from first separation tube to the farthest indoor unit
Max. 90 m

Height difference between outdoor and indoor units
Max. 110 m*

*Require pressure sensor kit
*2: 4 outdoor units connection not available

Height difference between indoor and indoor units
Max. 50 m



High Reliability Protection

New refrigerant cooling technology

New Refrigerant Cooling Technology, ensures the stability of PCB temperature and improves reliability at high ambient temperatures. It is possible to cool the inverter power module even at high ambient temperatures. This helps to maintain air conditioner capacity and also ensures efficient and reliable operation.

Anti-corrosion

Silicon coated PCB

High-ambient-temperature-compatible electronic components are used. Silicon coating is applied to all PCB circuits for corrosion protection.

High anti-corrosion screw

Zinc-chrome-acid film treatment applied to all screws.

Anti-corrosion coated casing parts

Satisfied the JRA* anti-corrosion regulation (9002)

*JRA:Japan Refrigeration Association

Blue fin heat exchanger

Blue fin treatment of the condenser offers improved corrosion resistance and longer life of the heat exchanger. Adoption of blue coating for the fins in the heat exchanger provides protection against rust and salt damage.

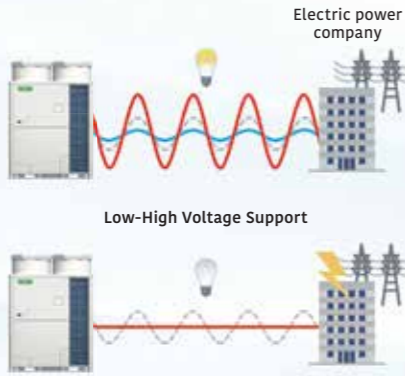
PCB Protection

Low - High voltage support

Even if the product is installed in an area where the power supply (voltage) is not stable, the PCB that controls the product is protected, so the product can be installed with peace of mind. For example, even if the system goes down due to factors such as lightning strikes, the system will operate at its original operational content when the power is restored, making management easy.

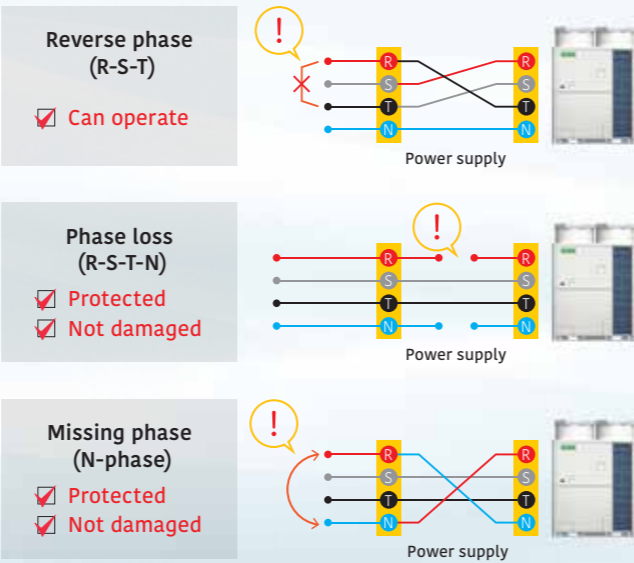
- ✓ Not damaged
- ✓ Protected

- ✓ Not damaged
- ✓ Protected
- ✓ Auto recovery



Protects against power supply mis-wiring

Even if there is a mistake in the wiring connection during the "reverse phase," "phase loss," or "missing phase" of the power connection during installation, the product will not be damaged and can be installed with peace of mind.



Designed for easy service and maintenance

Easy maintenance

Service panel

The split service panel allows for maintenance from the top or bottom of the outdoor unit.

*The bottom panel can not be removed without removing the top panel.

Access panel

Comes with an access panel that allows you to access 7 segments and push buttons without removing the panel.



7-segment indicator lamp

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

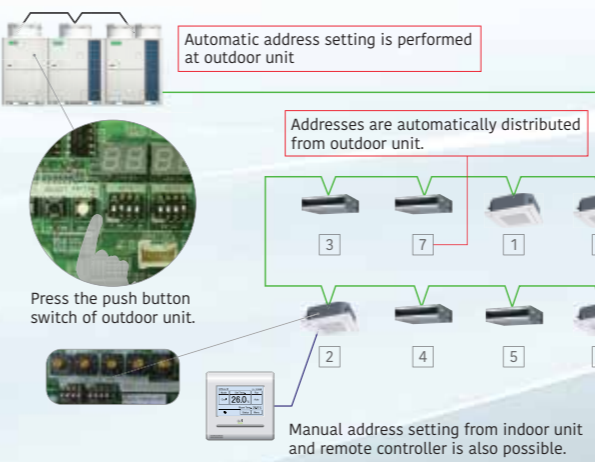
Shows the following detailed operation and error status without the need of any special tools.

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 units

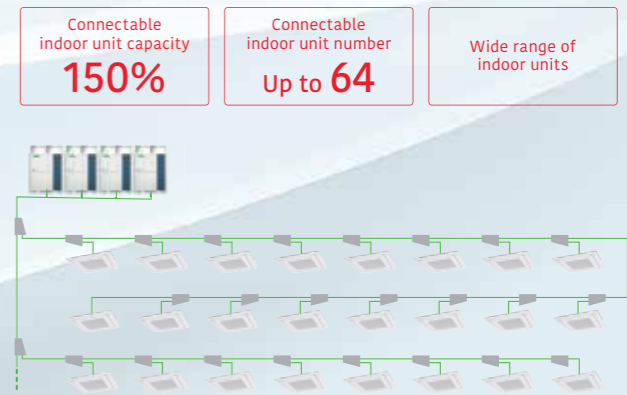
Automatic address setting

The address of the indoor unit and signal amplifier can be set through the automatic function setting on the outdoor unit PCB.



Various combinations

Available in various combinations from 8HP to 80HP increments. Indoor units can be selected ranging from 2.2kW to 28kW capacity. Upto a maximum of 150% indoor unit connectable capacity.








































Outdoor units lineup

Combinations other than the followings are not recommended.



Standard combination

22.4kW (8HP)  AJG072JATAH UNIT : AJG072JATAH	28.0kW (10HP)  AJG090JATAH UNIT : AJG090JATAH	33.5kW (12HP)  AJG108JATAH UNIT : AJG108JATAH	40.0kW (14HP)  AJG126JATAH UNIT : AJG126JATAH	45.0kW (16HP)  AJG144JATAH UNIT : AJG144JATAH	50.0 kW (18HP)  AJG162JATAH UNIT : AJG162JATAH
56.0 kW (20HP)  AJG180JATAH UNIT : AJG180JATAH	61.5 kW (22HP)  AJG198JATAH UNIT : AJG108/090JATAH	67.0 kW (24HP)  AJG216JATAH UNIT : AJG108/108JATAH	73.5 kW (26HP)  AJG234JATAH UNIT : AJG126/108JATAH	78.5 kW (28HP)  AJG252JATAH UNIT : AJG144/108JATAH	83.5 kW (30HP)  AJG270JATAH UNIT : AJG162/108JATAH
90.0 kW (32HP)  AJG288JATAH UNIT : AJG144/144JATAH	95.0 kW (34HP)  AJG306JATAH UNIT : AJG162/144JATAH	100.0 kW (36HP)  AJG324JATAH UNIT : AJG162/162JATAH	106.0 kW (38HP)  AJG342JATAH UNIT : AJG180/162JATAH	112.0 kW (40HP)  AJG360JATAH UNIT : AJG180/180JATAH	117.0 kW (42HP)  AJG378JATAH UNIT : AJG162/108/108JATAH
123.0 kW (44HP)  AJG396JATAH UNIT : AJG180/108/108JATAH	130.0 kW (46HP)  AJG414JATAH UNIT : AJG162/126/126JATAH	135.0 kW (48HP)  AJG432JATAH UNIT : AJG162/144/126JATAH	140.0 kW (50HP)  AJG450JATAH UNIT : AJG162/162/126JATAH	145.0 kW (52HP)  AJG468JATAH UNIT : AJG162/162/144JATAH	150.0 kW (54HP)  AJG486JATAH UNIT : AJG162/162/162JATAH
156.0 kW (56HP)  AJG504JATAH UNIT : AJG180/162/162JATAH	162.0 kW (58HP)  AJG522JATAH UNIT : AJG180/180/162JATAH	168.0 kW (60HP)  AJG540JATAH UNIT : AJG180/180/180JATAH	173.0 kW (62HP)  AJG558JATAH UNIT : AJG180/162/108/108JATAH	179.0 kW (64HP)  AJG576JATAH UNIT : AJG180/180/108/108JATAH	183.5 kW (66HP)  AJG594JATAH UNIT : AJG162/162/162/108JATAH
189.5 kW (68HP)  AJG612JATAH UNIT : AJG180/162/162/108JATAH	195.5 kW (70HP)  AJG630JATAH UNIT : AJG180/180/162/108JATAH	201.5 kW (72HP)  AJG648JATAH UNIT : AJG180/180/180/108JATAH	206.0 kW (74HP)  AJG666JATAH UNIT : AJG180/162/162/162JATAH	212.0 kW (76HP)  AJG684JATAH UNIT : AJG180/180/162/162JATAH	218.0 kW (78HP)  AJG702JATAH UNIT : AJG180/180/180/162JATAH
224.0 kW (80HP)  AJG720JATAH UNIT : AJG180/180/180/180JATAH					

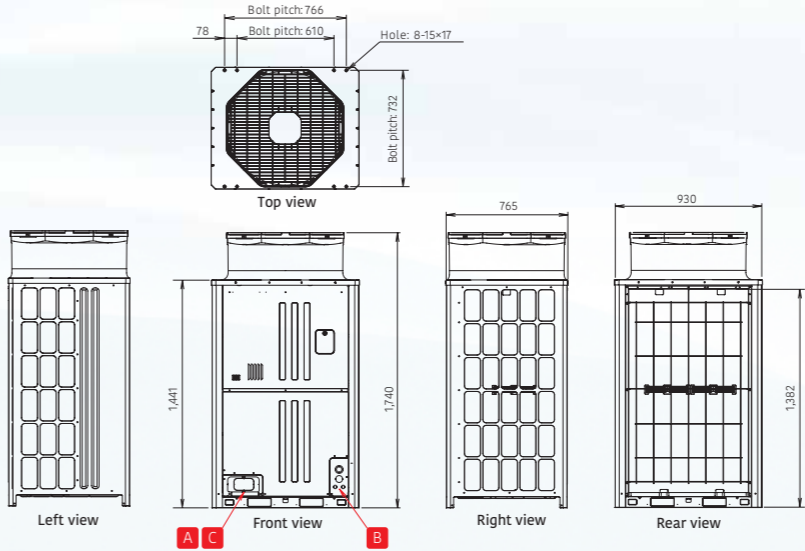
Energy efficiency combinations

44.8 kW (16HP)  AJG144JATAHH UNIT : AJG072/072JATAH	50.4 kW (18HP)  AJG162JATAHH UNIT : AJG090/072JATAH	56.0 kW (20HP)  AJG180JATAHH UNIT : AJG090/090JATAH	67.2 kW (24HP)  AJG216JATAHH UNIT : AJG072/072/072JATAH	72.8 kW (26HP)  AJG234JATAHH UNIT : AJG090/072/072JATAH	78.3 kW (28HP)  AJG252JATAHH UNIT : AJG108/072/072JATAH
83.9 kW (30HP)  AJG270JATAHH UNIT : AJG108/108/072JATAH	89.4 kW (32HP)  AJG288JATAHH UNIT : AJG108/108/072JATAH	95.0 kW (34HP)  AJG306JATAHH UNIT : AJG108/108/090JATAH	101.5 kW (36HP)  AJG324JATAHH UNIT : AJG126/108/090JATAH	107.0 kW (38HP)  AJG342JATAHH UNIT : AJG126/108/108JATAH	113.5 kW (40HP)  AJG360JATAHH UNIT : AJG126/126/108JATAH
120.0 kW (42HP)  AJG378JATAHH UNIT : AJG126/126/126JATAH	125.0 kW (44HP)  AJG396JATAHH UNIT : AJG144/126/126JATAH				

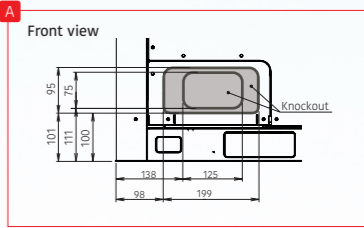
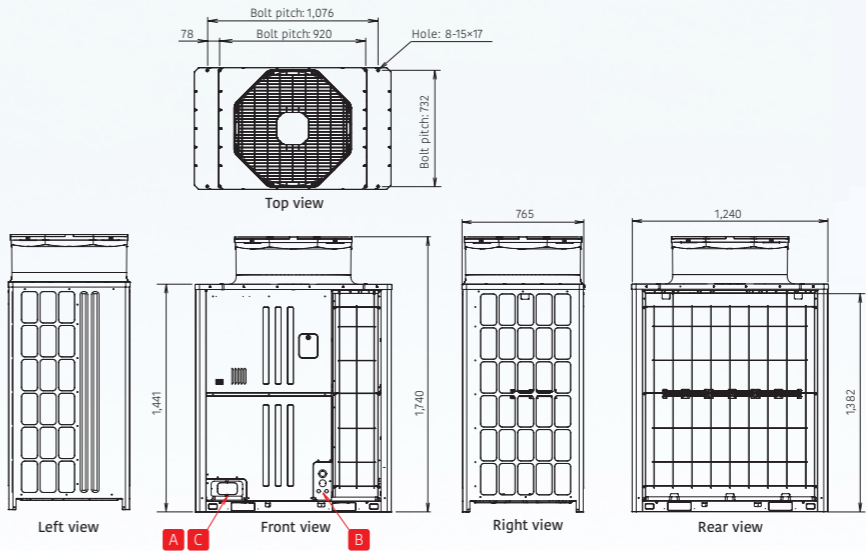
Dimensions

8,10,12HP : AJG072JATAH / AJG090JATAH / AJG108JATAH

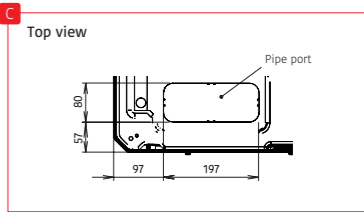
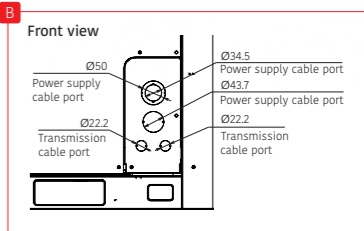
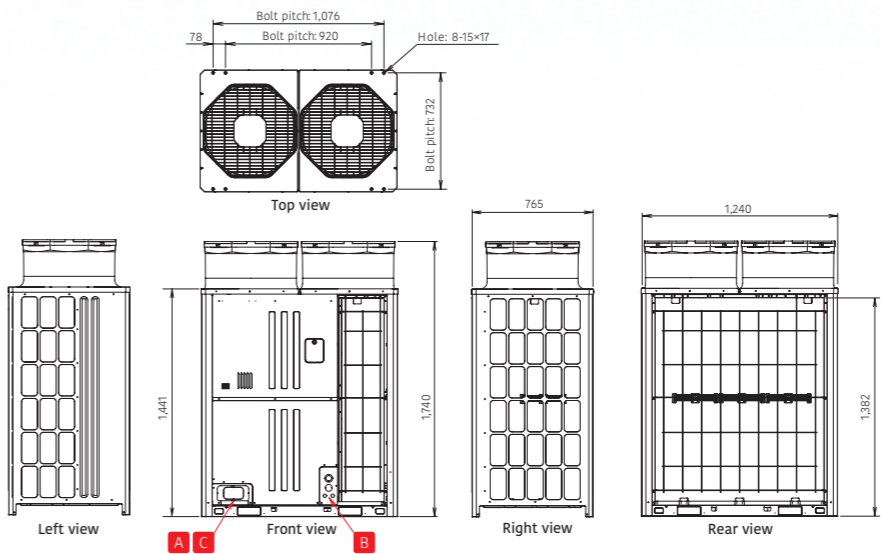
(Unit : mm)



14,16HP : AJG126JATAH / AJG144JATAH



18,20HP : AJG162JATAH / AJG180JATAH












Outdoor Units Specifications



Standard combination

Rating Capacity range			HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
																							
Model name			AJG072JATAH	AJG090JATAH	AJG108JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG180JATAH	AJG198JATAH	AJG216JATAH	AJG234JATAH	AJG252JATAH	AJG270JATAH	AJG288JATAH	AJG306JATAH	AJG324JATAH	AJG342JATAH	AJG360JATAH	AJG378JATAH	AJG396JATAH		
Units 1 Units 2 Units 3			AJG072JATAH	AJG090JATAH	AJG108JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG180JATAH	AJG108JATAH AJG090JATAH	AJG108JATAH AJG108JATAH	AJG126JATAH AJG108JATAH	AJG144JATAH AJG108JATAH	AJG162JATAH AJG108JATAH	AJG144JATAH AJG144JATAH	AJG162JATAH AJG144JATAH	AJG162JATAH AJG162JATAH	AJG180JATAH AJG162JATAH	AJG180JATAH AJG180JATAH	AJG162JATAH AJG108JATAH AJG108JATAH	AJG180JATAH AJG108JATAH AJG108JATAH		
Maximum Connectable Indoor Unit*1			15	19	22	27	30	34	38	41	45	50	53	56	61	64	64	64	64	64	64		
Indoor unit connectable capacity		Cooling	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	36.8-110.2	39.3-117.7	41.8-125.2	45.0-135.0	47.5-142.5	50.0-150.0	53.0-159.0	56.0-168.0	58.5-175.5	61.5-184.5	
Power source			3N 400 V ~ 50/60 Hz																				
Capacity		Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	67.0	73.5	78.5	83.5	90.0	95.0	100.0	106.0	112.0	117.0	123.0	
			Btu/h	76,400	95,500	114,300	136,500	153,500	170,600	191,100	209,800	228,600	250,800	267,900	284,900	307,100	324,200	341,200	361,700	382,200	399,200	419,700	
Air flow rate		Rated	m³/h	10,200	10,200	10,200	13,700	13,700	15,500	16,800	10,200 × 2	10,200 × 2	10,200 + 13,700	10,200 + 13,700	10,200 + 15,500	13,700 × 2	13,700 + 15,500	15,500 × 2	15,500 + 16,800	16,800 × 2	10,200 × 2 + 15,500	10,200 × 2 + 16,800	
Sound pressure level*1		Cooling	dB (A)	55	55	56	62	63	64	67	59	59	63	64	65	66	67	67	69	70	65	68	
Maximum external static pressure			Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Compressor motor output			kW	4.7	4.7	4.7	4.7	4.7	6.2	6.2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 + 6.2	6.2 × 2	6.2 × 2	6.2 × 2	4.7 × 2 + 6.2	4.7 × 2 + 6.2	
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	
Dimensions		Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	
		Width	mm	930	930	930	1,240	1,240	1,240	1,240	1,240	930 × 2	930 × 2	1,240 + 930	1,240 + 930	1,240 + 930	1,240 × 2	1,240 × 2	1,240 × 2	1,240 × 2	1,240 × 2	1,240 + 930 × 2	1,240 + 930 × 2
		Depth	mm	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Net weight			kg	209	209	209	232	232	255	255	209 × 2	209 × 2	209 + 232	209 + 232	209 + 255	232 × 2	232 + 255	255 × 2	255 × 2	255 × 2	209 × 2 + 255	209 × 2 +255	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Charge	kg	9.7	9.7	9.7	11.8	11.8	11.8	11.8	9.7 × 2	9.7 × 2	9.7 + 11.8	9.7 + 11.8	9.7 + 11.8	11.8 × 2	11.8 × 2	11.8 × 2	11.8 × 2	11.8 × 2	9.7 × 2 + 11.8	9.7 × 2 + 11.8		
Connection pipe diameter		Liquid	mm	9.52	9.52	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	
		Discharge Gas	mm	19.05	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	41.27	41.27	41.27	41.27	41.27
Operating range			Cooling	°C	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	







Rating Capacity range		HP	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80		
																						
Model name			AJG414JATAH	AJG432JATAH	AJG450JATAH	AJG468JATAH	AJG486JATAH	AJG504JATAH	AJG522JATAH	AJG540JATAH	AJG558JATAH	AJG576JATAH	AJG594JATAH	AJG612JATAH	AJG630JATAH	AJG648JATAH	AJG666JATAH	AJG684JATAH	AJG702JATAH	AJG720JATAH		
Units 1			AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG162JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH		
Units 2			AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG162JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH	AJG180JATAH		
Units 3			AJG126JATAH	AJG126JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG162JATAH	AJG180JATAH	AJG180JATAH	AJG108JATAH	AJG108JATAH	AJG108JATAH	AJG108JATAH	AJG162JATAH	AJG162JATAH	AJG180JATAH	AJG180JATAH		
Maximum Connectable Indoor Unit*1			64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64		
Indoor unit connectable capacity		Cooling	kW	65.0-195.0	67.5-202.5	70.0-210.0	72.5-217.5	75.0-225.0	78.0-234.0	81.0-243.0	84.0-252.0	86.5-259.5	89.5-268.5	91.8 - 275.2	94.8 - 284.2	97.8 - 293.2	100.8 - 302.2	103.0-309.0	106.0-318.0	109.0-327.0	112.0-336.0	
Power source			3N 400 V ~ 50/60 Hz																			
			3N 400 V ~ 50/60 Hz																			
Capacity		Cooling	kW	130.0	135.0	140.0	145.0	150.0	156.0	162.0	168.0	173.0	179.0	183.5	189.5	195.5	201.5	206.0	212.0	218.0	224.0	
			Btu/h	443,600	460,600	477,700	494,800	511,800	532,300	552,800	573,200	590,300	610,800	626,100	646,600	667,100	687,500	702,900	723,400	743,800	764,300	
Air flow rate		Rated	m³/h	13,700 × 2 + 15,500	13,700 × 2 + 15,500	13,700 + 15,500 × 2	13,700 + 15,500 × 2	15,500 × 3	15,500 × 2 + 16,800	15,500 + 16800 × 2	16,800 × 3	10,200 × 2 + 15,500 + 16,800	10,200 × 2 + 16,800 × 2	10,200 + 15,500 × 3	10,200 + 15,500 + 16,800 × 2	10,200 + 16,800 × 3	15,500 × 3 + 16,800	15,500 × 2 + 16,800 × 2	15,500 + 16,800 × 3	16,800 × 4		
Sound pressure level*1		Cooling	dB (A)	68	68	68	68	69	70	71	72	69	70	69	70	71	72	71	72	72	73	
Maximum external static pressure			Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Compressor motor output			kW	4.7 × 2 + 6.2	4.7 × 2 + 6.2	4.7 + 6.2 × 2	4.7 + 6.2 × 2	6.2 × 3	6.2 × 3	6.2 × 3	6.2 × 3	4.7 × 2 + 6.2 × 2	4.7 × 2 + 6.2 × 2	4.7 + 6.2 × 3	4.7 + 6.2 × 3	4.7 + 6.2 × 3	4.7 + 6.2 × 3	6.2 × 4	6.2 × 4	6.2 × 4	6.2 × 4	
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	
Dimensions		Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	
		Width	mm	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 2 + 930 × 2	1,240 × 2 + 930 × 2	1,240 × 3 + 930	1,240 × 3 + 930	1,240 × 3 + 930	1,240 × 3 + 930	1,240 × 4	1,240 × 4	1,240 × 4	1,240 × 4
		Depth	mm	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Net weight			kg	232 × 2 + 255	232 × 2 + 255	232 + 255 × 2	232 + 255 × 2	255 × 3	255 × 3	255 × 3	255 × 3	209 × 2 + 255 × 2	209 × 2 + 255 × 2	209 + 255 × 3	209 + 255 × 3	209 + 255 × 3	209 + 255 × 3	255 × 4	255 × 4	255 × 4	255 × 4	
Refrigerant		Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
		Charge	kg	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	9.7 × 2 + 11.8 × 2	9.7 × 2 + 11.8 × 2	9.7 + 11.8 × 3	9.7 + 11.8 × 3	9.7 + 11.8 × 3	9.7 + 11.8 × 3	11.8 × 4	11.8 × 4	11.8 × 4	11.8 × 4
Connection pipe diameter		Liquid	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	22.22	22.22	22.22	22.22	
		Discharge Gas	mm	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operating range			Cooling	°C	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	

- NOTES:
- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 27°CDB/19°CWDB, and outdoor temperature of 35°CDB/24°CWB.
 - Pipe length: 7.5m, Height difference: 0m. (Between outdoor unit and indoor unit.)
 - This data is based on following standard: EN14511, EN12102.
 - Protective function might work when using it outside the operation range.
 - *1: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
 - *2: Connection pipe Max. length: Total pipe length is limited by the condition that total refrigerant amount. For details of additional charge calculation, refer to technical manual.

Outdoor Units Specifications



Energy Efficiency Combinations

Rating Capacity range		HP	16	18	20	24	26	28	30	32	34	36	38	40	42	44	
																	
Model name			AJG144JATAHH	AJG162JATAHH	AJG180JATAHH	AJG216JATAHH	AJG234JATAHH	AJG252JATAHH	AJG270JATAHH	AJG288JATAHH	AJG306JATAHH	AJG324JATAHH	AJG342JATAHH	AJG360JATAHH	AJG378JATAHH	AJG396JATAHH	
Units 1 Units 2 Units 3			AJG072JATAH AJG072JATAH	AJG090JATAH AJG072JATAH	AJG090JATAH AJG090JATAH	AJG072JATAH AJG072JATAH AJG072JATAH	AJG090JATAH AJG072JATAH AJG072JATAH	AJG108JATAH AJG090JATAH AJG072JATAH	AJG108JATAH AJG108JATAH AJG072JATAH	AJG108JATAH AJG108JATAH AJG072JATAH	AJG108JATAH AJG108JATAH AJG090JATAH	AJG126JATAH AJG108JATAH AJG090JATAH	AJG126JATAH AJG126JATAH AJG108JATAH	AJG126JATAH AJG126JATAH AJG108JATAH	AJG126JATAH AJG126JATAH AJG126JATAH	AJG126JATAH AJG126JATAH AJG126JATAH	AJG144JATAH AJG126JATAH AJG126JATAH
Maximum Connectable Indoor Unit*1			30	34	38	45	49	53	57	60	64	64	64	64	64	64	
Indoor unit connectable capacity		Cooling	kW	22.4-67.2	25.2-75.6	28.0-84.0	33.6-100.8	36.4-109.2	39.2-117.4	42.0-125.8	44.7-134.1	47.5-142.5	50.8-152.2	53.5-160.5	56.8-170.2	60.0-180.0	62.5-187.5
Power source			3N 400 V ~ 50/60 Hz														
Capacity		Cooling	kW	44.8	50.4	56.0	67.2	72.8	78.3	83.9	89.4	95.0	101.5	107.0	113.5	120.0	125.0
			Btu/h	152,900	172,000	191,100	229,300	248,400	267,200	286,300	305,000	324,200	346,300	365,100	387,300	409,500	426,500
Air flow rate		Rated	m³/h	10,200 × 2	10,200 × 2	10,200 × 2	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 2 + 13,700	10,200 × 2 + 13,700	10,200 + 13,700 × 2	13,700 × 3	13,700 × 3
Sound pressure level*1		Cooling	dB (A)	58	58	58	60	60	60	60	60	60	64	64	66	67	67
Maximum external static pressure			Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output			kW	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 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
Dimensions		Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740
		Width		930 × 2	930 × 2	930 × 2	930 × 3	930 × 3	930 × 3	930 × 3	930 × 3	930 × 3	1,240 + 930 × 2	1,240 + 930 × 2	1,240 × 2 + 930	1,240 × 3	1,240 × 3
		Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765
Net weight			kg	209 × 2	209 × 2	209 × 2	209 × 3	209 × 3	209 × 3	209 × 3	209 × 3	209 × 3	209 × 2 + 232	209 × 2 + 232	209 + 232 × 2	232 × 3	232 × 3
Refrigerant		Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
		Charge	kg	9.7 × 2	9.7 × 2	9.7 × 2	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 2 + 11.8	9.7 × 2 + 11.8	9.7 + 11.8 × 2	11.8 × 3	11.8 × 3
Connection pipe diameter		Liquid	mm	12.70	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
		Discharge Gas		28.58	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	°C	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55

- NOTES:
- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
 - Pipe length: 7.5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
 - This data is based on following standard: EN14511, EN12102.
 - Protective function might work when using it outside the operation range.
 - *1: Sound pressure level:
 - Measured values in manufacturer’s anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
 - *2: Connection pipe Max. length: Total pipe length is limited by the condition that total refrigerant amount. For details of additional charge calculation, refer to Technical manual.

VRF INDOOR UNITS




















17 types and 80 models available to meet the requirements of any building design.







The indoor units were developed to be highly efficient, compact, low noise and to have user friendly operation. With a variety of indoor units and capacities available, Fujitsu General has an indoor unit to match any requirement which is easy to install and maintain. Further, a variety of options are available to achieve an air conditioning environment that is more desirable from the user's perspective.

- 030 INDOOR UNITS LINE-UP
- 032 1-Way Flow Cassette
- 034 3D Flow Cassette
- 036 Compact Cassette (Grid type)
- 038 Cassette Slim type (Circular Flow)
- 040 Cassette Slim type (4-way Flow)
- 042 Cassette Large type (Circular Flow)
- 044 Cassette Large type (4-way Flow)
- 046 Low Static Pressure Duct / Mini Duct
- 048 Low Static Pressure Duct / Slim Duct
- 050 Low Static Pressure Duct
- 052 Medium Static Pressure Duct
- 054 High Static Pressure DuctFloor / Ceiling
- 056 Floor / Ceiling
- 058 Ceiling
- 060 Wall Mounted



VRF Indoor Unit Lineup

Capacity range (kW)			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
Class			7	9	12			14	14	18	24	30	34	36	45	54	60	72	90
Cassette	Compact type	Compact Grid type / Standard type		AUXB 007 GLEH	AUXB 009 GLEH	AUXB 012 GLEH			AUXB 014 GLEH	AUXB 018 GLEH	AUXB 024 GLEH								
	Slim type	Circular Flow								AUXM 018 GTAH	AUXM 024 GTAH								
		4-way Flow								AUXD 18 GALH	AUXD 24 GALH								
	Large type	Circular Flow										AUXK 030 GTAH	AUXK 034 GTAH	AUXK 036 GTAH	AUXK 045 GTAH	AUXK 054 GTAH			
		4-way Flow										AUXA 30 GALH	AUXA 34 GALH	AUXA 36 GALH	AUXA 45 GALH	AUXA 54 GALH			
	One-way Flow type	One-way Flow	 004 - 012  014 - 024	AUXV 007 GLEH	AUXV 009 GLEH	AUXV 012 GLEH			AUXV 014 GLEH	AUXV 018 GLEH	AUXV 024 GLEH								
	3D Flow type	3D Flow								AUXS 018 GLEH	AUXS 024 GLEH								
Duct	Low Static Pressure Duct	Mini Duct	 04 / 007-009-012-014  018  024	ARXK 007 GLFH	ARXK 009 GLFH	ARXK 012 GLFH			ARXK 014 GLFH	ARXK 018 GLFH	ARXK 024 GLFH								
		Slim Duct (With drain pump)	 04 / 007 - 014  018  024	ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH			ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH								
		Low Static Pressure Duct	 24- 45								ARXB 24 GALH	ARXB 30 GALH		ARXB 36 GALH	ARXB 45 GALH				
	Medium Static Pressure Duct		 24- 45								ARXA 24 GBTH	ARXA 30 GBTH		ARXA 36 GBTH	ARXA 45 GBTH				
	High Static Pressure Duct		 036 / 45 - 60  072 - 090											ARXC 36 GTEH	ARXC 45 GATH		ARXC 60 GATH	ARXC 72 GATH	ARXC 90 GATH
Floor		Floor (*Same as Ceiling models)				ABHA 012 GTEH			ABHA 014 GTEH	ABHA 018 GTEH	ABHA 024 GTEH								

			With this model, connection of EV kit is necessary.																
Ceiling		 012 - 024  030 - 054				ABHA 012 GTEH			ABHA 014 GTEH	ABHA 018 GTEH	ABHA 024 GTEH	ABHA 030 GTEH		ABHA 036 GTEH	ABHA 045 GTEH	ABHA 054 GTEH			
Wall Mounted	Wall Mounted	 004 - 014  18 - 24  030 - 034		ASHA 007 GCGH	ASHA 009 GCGH	ASHA 012 GCGH	ASHA 014 GCGH			ASHA 18 GBCH	ASHA 24 GBCH	ASHA 030 GTEH	ASHA 034 GTEH						
	Wall Mounted (EEV external)	 004 - 014		ASHE 007 GCEH	ASHE 009 GCEH	ASHE 012 GCEH	ASHE 014 GCEH												
			With this model, connection of EV kit is necessary.																

Specifications and design are subject to change without notice.

Cassette
One-way Flow type

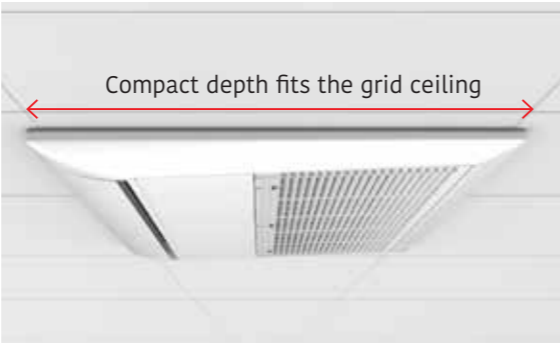


Compact chassis size

Their compact sizes make it easy to install them in a variety of commercial locations and environments.

- The chassis is less than 200 mm high in every model.
- All 7 to 12kBtu models are less than 1,000 mm wide.
- The chassis depth is 570 mm, which fits nicely into a grid-type ceiling.

Dimensions (Panel size) (Unit : mm)						
	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

The large flap with triangularly arrayed louvers has a wider movable range and directs an airflow to the furthest corners of the room.



In cooling mode, the horizontal airflow reaches the furthest corners of the room and avoids hitting human bodies directly in order to provide comfortable air conditioning.



In heating mode, the warm air is directed downward toward the floor to warm the occupants' feet and lower bodies while keeping their heads relatively cool.



Note: This is a conceptual drawing. Air conditioning performance may vary depending on installation, room size, and the distance from the wall.

Low noise operation

They produce little noise during operation, which makes them an ideal choice for use in hotel rooms.



Model :AUXV007GLEH / AUXV009GLEH / AUXV012GLEH
AUXV014GLEH / AUXV018GLEH
AUXV024GLEH



AUXV007/009/012GLEH



AUXV014/018/024GLEH

Specifications

Model name			AUXV007GLEH	AUXV009GLEH	AUXV012GLEH	AUXV014GLEH	AUXV018GLEH	AUXV024GLEH
Power source			Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	42/42	42/42	60/60	38/38	56/56	99/99
Airflow rate*	High	m³/h	550	550	670	720	890	1,150
	Med-H		440	440	520	660	840	1,020
	Med		420	420	480	630	770	940
	Med-L		400	400	450	600	710	790
	Low		380	380	410	580	660	700
	Quiet		360	360	360	550	580	610
Sound pressure level*	High	dB(A)	42	42	45	37	44	49
	Med-H		37	37	41	36	43	47
	Med		36	36	39	35	40	45
	Med-L		35	35	38	34	38	42
	Low		33	33	36	33	36	39
	Quiet		32	32	32	32	34	36
Net Dimensions (H × W × D)		mm	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 1,190 × 570	198 × 1,190 × 570	198 × 1,190 × 570
Weight		kg(lbs)	19 (42)	19 (42)	19 (42)	26 (57)	26 (57)	27 (59)
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		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-UNGA-W			UTG-UNGB-W		
	Net Dimensions (H×W×D)	mm	43 × 950× 620			43 × 1,360 × 620		
	Weight	kg(lbs)	6.5 (14.5)			8.5 (18.0)		

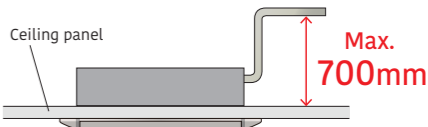
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

Wireless LAN Interface : UTY-TFSXZ1
IR Receiver Unit : UTY-TRHX
Cassette Grille : UTG-UNGA-W / UTG-UNGB-W
External Power Supply Unit : UTZ-GXXA

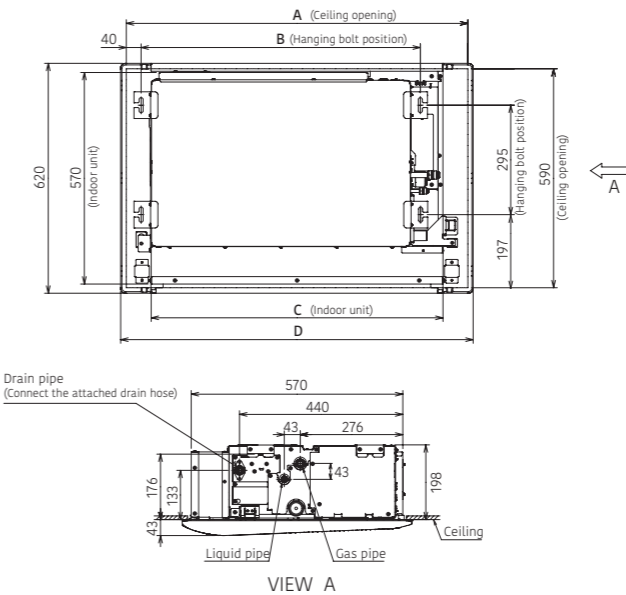
Flexible Installation

By using new L-type piping kit, more flexible installation is possible.
Built-in drain pump as standard accessory, which enable to have maximum 700m piping height difference from the ceiling.



Dimensions

(Unit : mm)



	AUXV007-012	AUXV014-024
A	920	1,330
B	752	1,152
C	785	1,190
D	950	1,360

3D Flow Cassette



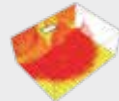
3 Air Outlet Ports can be controlled individually

Using the “Comfortable airflow setting” function allows the left and right air outlet ports and the wide center air outlet ports to automatically create a comfortable space for improved comfort.

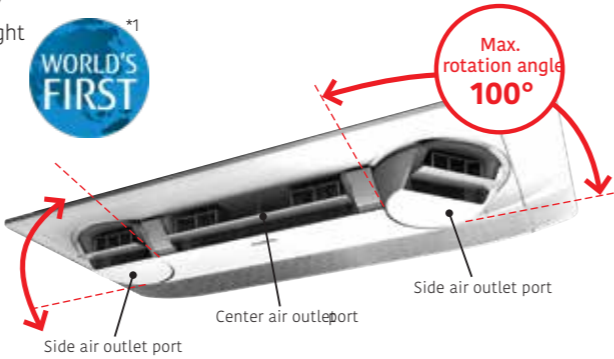
Temperature distribution during cooling and heating (when set to comfortable airflow)



Cooling: When cooling operation is stable with an outside air temperature of 35°C, a set temperature of 18°C and an air volume set to “Hi” in a 40m² environmental our test room for the AUXS024GLEH



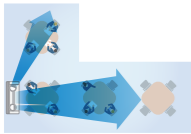
Heating: When heating operation is stable with an outside air temperature of 7°C, a set temperature of 30°C and an air volume set to “Hi” in a 40m² environmental our test room for the AUXS024GLEH



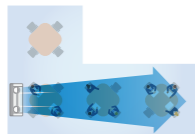
*1: Announced 2018. In room air conditioner for the home (our company's investigation)

Individual airflow setting

Equipped with an “Individual airflow setting” function that optimizes the airflow setting in accordance with the installation location.



Suitably setting the side air outlet ports to match how the space is used achieves air conditioning with no waste.



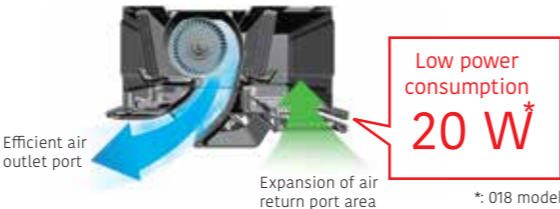
Optimum airflow control for the space. Improved comfort is achieved even for long rooms.



*Wired Remote Controller (Touch Panel) UTY-RNRZ3 only

High Energy Saving

The “New structural design” featuring large intake and smooth output reduces air blowing loss to achieve top class energy saving.



Model : AUXS018GLEH / AUXS024GLEH



Specifications

Model name			AUXS018GLEH	AUXS024GLEH
Power source			Single phase, ~230V, 50Hz	
Capacity	Cooling	kW	5.60	7.10
	Heating		6.30	8.00
Input power		W	20/28	34/43
Airflow rate*	High	m³/h	750/870	950/1,040
	Med-H		710/830	890/990
	Med		690/780	860/930
	Med-L		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-H		36/40	42/45
	Med		35/39	41/43
	Med-L		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(lbs)	25 (55)	25 (55)
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-USGA-W	
	Net Dimensions (H×W×D)	mm	85 × 1,350 × 580	
	Weight	kg(lbs)	11.5 (25)	

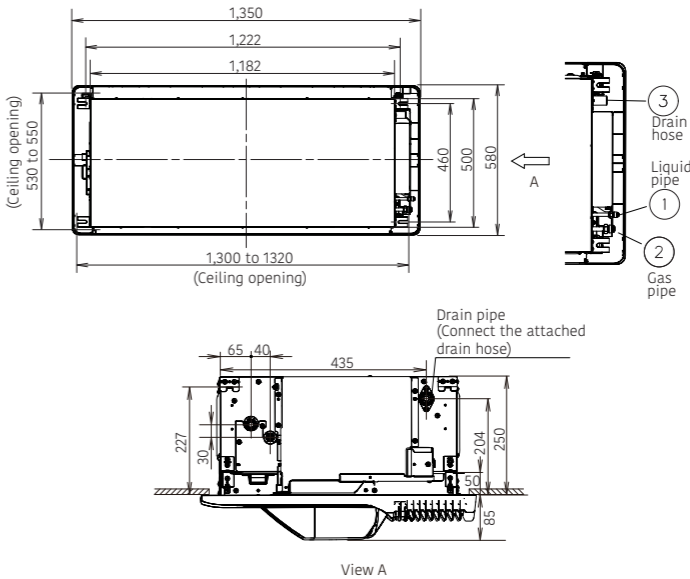
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

- Wireless LAN Interface : UTY-TFSXZ1
- IR Receiver Unit : UTY-TRHX
- Cassette Grille : UTG-USGA-W
- External Power Supply Unit : UTZ-GXXA

Dimensions

(Unit : mm)

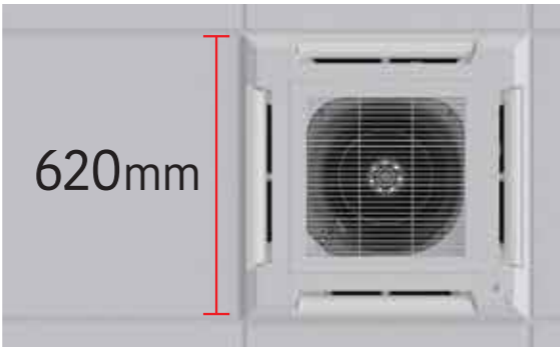


Compact
Cassette
Grid type



Compact and stylish panel design

Compact and stylish panel design fits the grid type ceiling. It is a linear design suitable for grid shape of 620mm × 620mm grid ceiling.



Easy maintenance

Maintenance is easier by removing the ceiling panel next to the grill, maintenance can be done, and new installation of inspection hole is unnecessary, so construction costs can be suppressed.



The air inlet grill can be installed in various directions, so maintenance is easy.



Flexible installation

It is suitable for ceiling of grid type and it has high degree of freedom of installation and it can be installed beside lighting and ventilation opening.



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



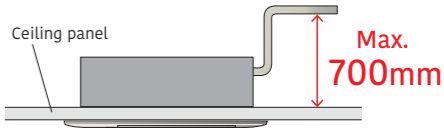
Specifications

Model name			AUXB007GLEH	AUXB009GLEH	AUXB012GLEH	AUXB014GLEH	AUXB018GLEH	AUXB024GLEH
Power source			Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.8	3.2	4.1	5.0	6.3	8.0
Input power		W	25	25	29	35	36	84
Airflow rate	High	m³/h	540	550	600	680	710	1,030
	Med-H		500	520	560	620	660	910
	Med		460	480	520	560	590	790
	Med-L		420	440	480	500	520	680
	Low		390	400	430	440	460	560
	Quiet		350	350	390	390	400	450
Sound pressure level	High	dB(A)	34	35	37	38	41	50
	Med-H		32	33	34	37	39	46
	Med		30	31	33	34	36	43
	Med-L		28	29	31	32	33	39
	Low		27	27	29	30	30	35
	Quiet		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
Weight		kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	17 (37)	17 (37)
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		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-UFGE-W / UTG-UFGC-W					
	Net Dimensions (H×W×D)	mm	50 × 620 × 620 / 50 × 700 × 700					
	Weight	kg(lbs)	2.3(5.1) / 2.6(6)					

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].
*: This value is under cooling operation.

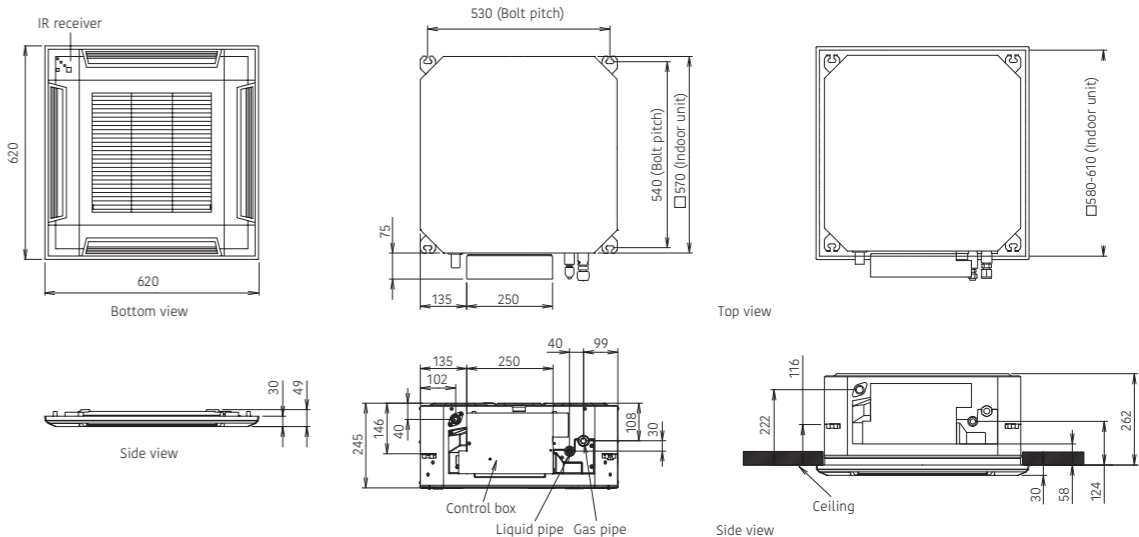
Optional parts

Air Outlet Shutter Plate	: UTR-YDZB	Cassette Grille	: UTG-UFGC-W, UTG-UFGE-W
Fresh Air Intake Kit	: UTZ-VXAA	External Power Supply Unit	: UTZ-GXXA
Insulation Kit for High Humidity	: UTZ-KXGC	Wireless LAN Interface	: UTY-TFSXZ1



Dimensions

(Unit : mm)

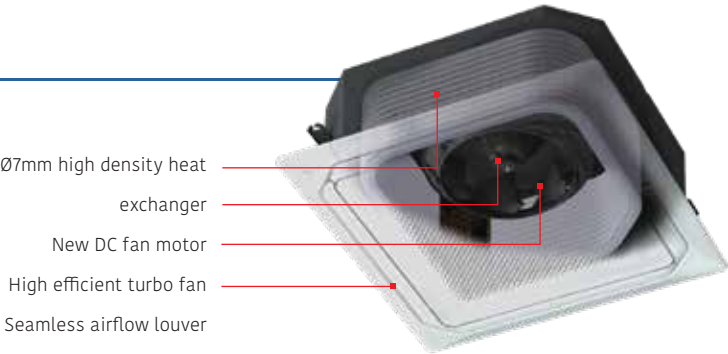


Cassette
Slim type
Circular Flow



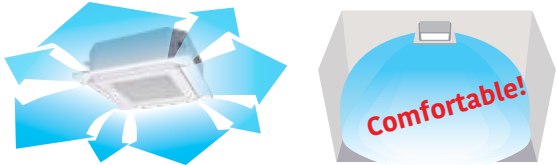
Unique Circular Flow design

New Cassette type achieves a Circular airflow discharge in 360° direction by means of a high performance DC fan motor, new turbo fan and unique seamless airflow louver design.



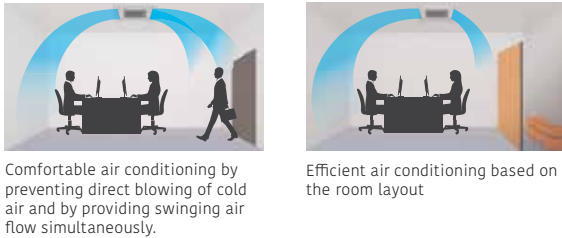
Uniform temperature air conditioning

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



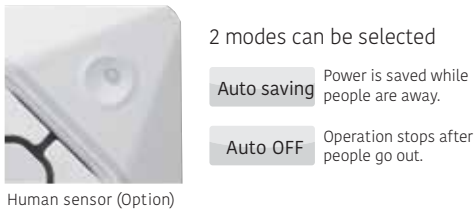
Individual louver control

Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.
* Touch Panel Wired RC (UTY-RNRGZ3) only



Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.
*Touch Panel Wired RC (UTY-RNRGZ3) only



Model : AUXM018GTAH / AUXM024GTAH



Specifications

Model name			AUXM018GTAH	AUXM024GTAH
Power source			Single phase, ~230V, 50Hz	
Capacity	Cooling	kW	5.6	7.1
	Heating		6.3	8.0
Input power		W	20	25
Airflow rate	High	m³/h	1,050	1,120
	Med-H		930	1,050
	Med		900	930
	Med-L		870	900
	Low		810	870
	Quiet		780	780
Sound pressure level	High	dB(A)	33	35
	Med-H		32	33
	Med		31	32
	Med-L		30	31
	Low		29	30
	Quiet		28	28
Dimensions (H × W × D)		mm	246×840×840	
Weight		kg(lbs)	24.0 (53)	24.5 (54)
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 Grill	Model name	mm	UTG-UKGD-W / UTG-UKGA-B	
	Dimensions (H×W×D)		53×950×950	
	Weight		kg(lbs) 6.0 (13)	

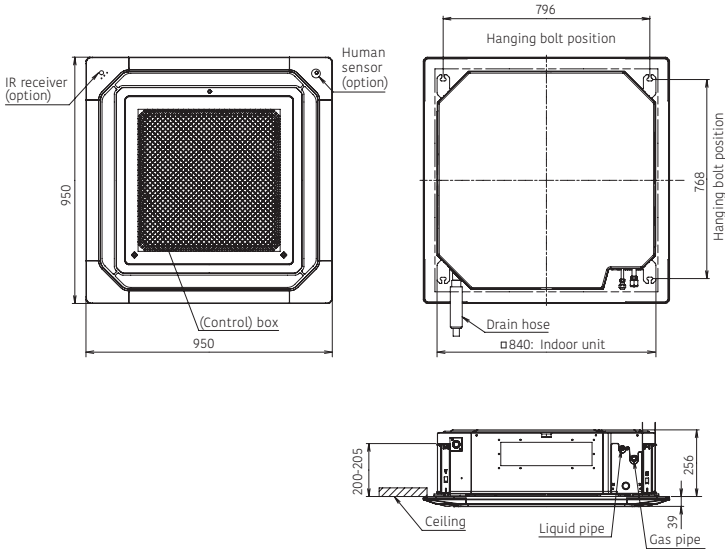
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

Human Sensor Kit: UTY-SHZXC Wide Panel: UTG-AKXA-W Panel Spacer: UTG-BKXA-W	Fresh Air Intake Kit: UTZ-VXRA Air Outlet Shutter Plate: UTR-YDZK Insulation Kit for High Humidity: UTZ-KXRA	Cassette Grille: UTG-UKGD-W, UTG-UKGA-B External Power Supply Unit: UTZ-GXXA IR Receiver Unit: UTY-LBH XD	Wireless LAN Interface: UTY-TFSXZ1
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Dimensions

(Unit : mm)

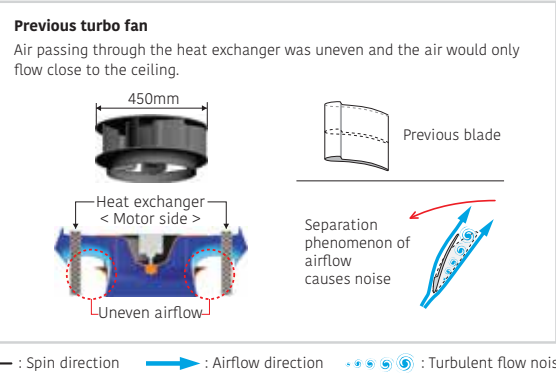
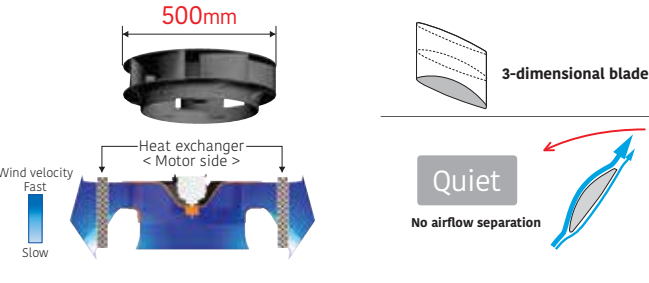


Cassette
Slim type
4-way Flow



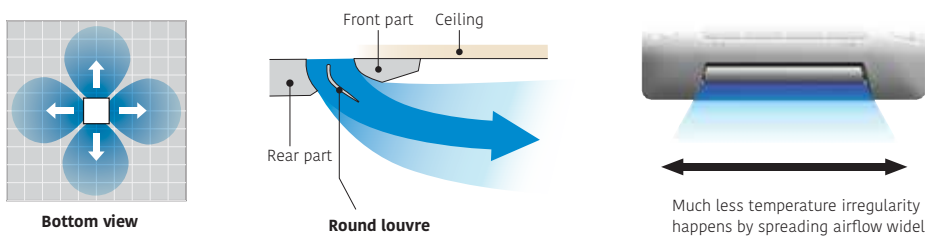
High efficiency turbo fan with 3-dimensional blade

High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.

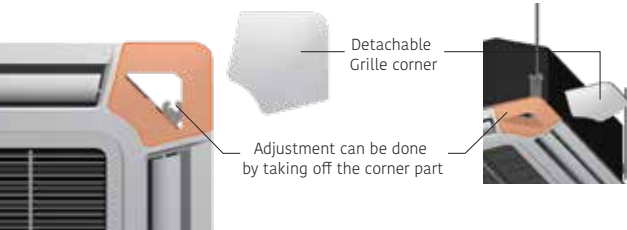


Improvement of the airflow distribution

The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide air flow distribution.



Adjustment of hanger position is possible after installation



Model : AUXD18GALH / AUXD24GALH



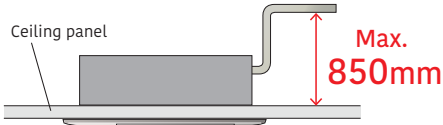
Specifications

Model name			AUXD18GALH	AUXD24GALH
Power source			Single phase, ~230V, 50Hz	
Capacity	Cooling	kW	5.6	7.1
	Heating		6.3	8.0
Input power		W	39	46
Airflow rate	High	m³/h	1,150 (319)	1,280 (356)
	Med		940 (261)	1,040 (289)
	Low		870 (242)	870 (242)
Sound pressure level	High	dB(A)	36	38
	Med		30	33
	Low		29	29
Net Dimensions (H × W × D)		mm	246 × 840 × 840	246 × 840 × 840
Weight		kg(lbs)	22 (49)	22 (49)
Connection pipe diameter	Liquid (Flare)	mm	9.52	9.52
	Gas (Flare)		15.88	15.88
Drain hose diameter (I.D./O.D.)			25/32	
Cassette Grille	Model name		UTG-UGGA-W	
	Net Dimensions (H×W×D)	mm	50 × 950 × 950	
	Weight	kg(lbs)	5.5 (12)	

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].

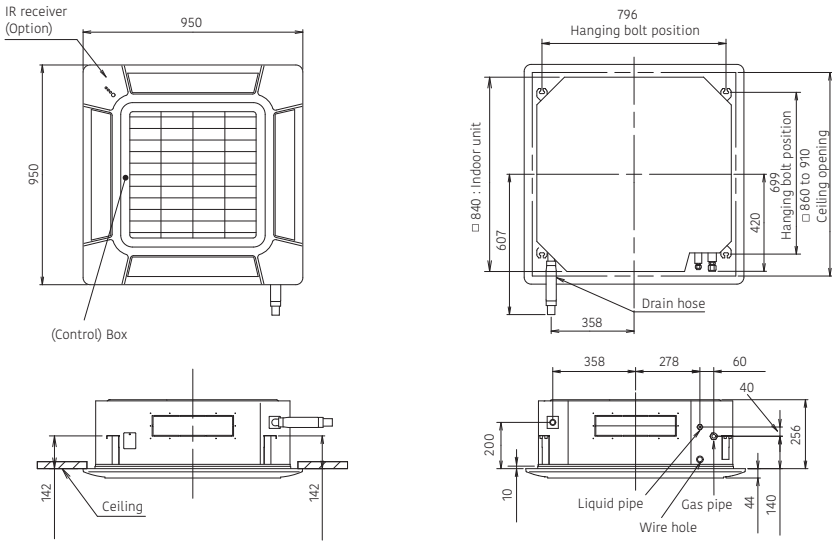
Optional parts

- IR receiver unit: UTY-LRHGB1
- Air outlet shutter plate: UTR-YDZC
- Panel spacer: UTG-BGYA-W
- Insulation kit for high humidity: UTZ-KXGB
- Wide panel: UTG-AGYA-W
- Fresh air intake kit: UTZ-VXGA
- Cassette Grille: UTG-UG-GA-W



Dimensions

(Unit : mm)

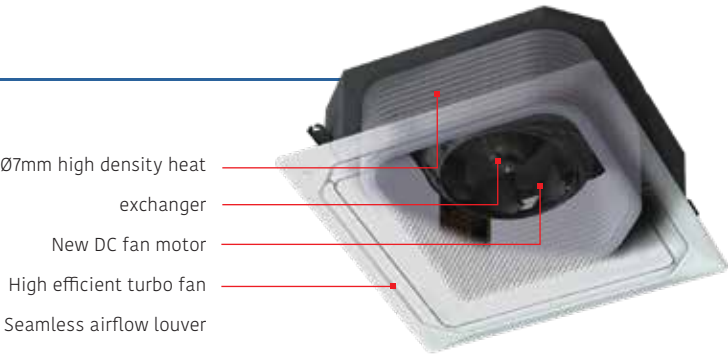


Cassette
Large type
Circular Flow



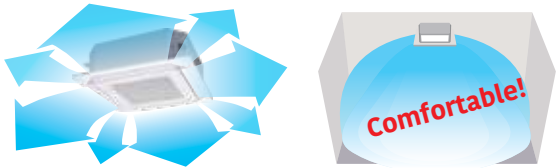
Unique Circular Flow design

New Cassette type achieves a Circular airflow discharge in 360° direction by means of a high performance DC fan motor, new turbo fan and unique seamless airflow louver design.



Uniform temperature air conditioning

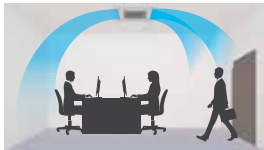
Achieve a comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.



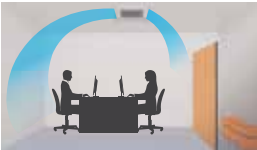
Individual louver control

Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.

* Touch Panel Wired RC (UTY-RNRGZ3) only



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



Efficient air conditioning based on the room layout

Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.

*Touch Panel Wired RC (UTY-RNRGZ3) only



Human sensor (Option)

2 modes can be selected

- Auto saving

Power is saved while people are away.
- Auto OFF

Operation stops after people go out.

Model : AUXK030GTAH / AUXK034GTAH / AUXK036GTAH
AUXK045GTAH / AUXK054GTAH



Specifications

Model name			AUXK030GTAH	AUXK034GTAH	AUXK036GTAH	AUXK045GTAH	AUXK054GTAH
Power source			Single phase, ~230V, 50Hz				
Capacity	Cooling	kW	9.0	10.0	11.2	12.5	14.0
	Heating		10.0	11.2	12.5	14.0	16.0
Input power		W	47	47	61	89	116
Airflow rate	High	m³/h	1,440	1,440	1,620	1,820	2,040
	Med-H		1,400	1,400	1,500	1,590	1,800
	Med		1,340	1,340	1,400	1,500	1,590
	Med-L		1,300	1,300	1,340	1,400	1,440
	Low		1,280	1,280	1,280	1,300	1,300
	Quiet		1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	dB(A)	39	39	41	44	47
	Med-H		38	38	40	42	45
	Med		37	37	38	40	42
	Med-L		36	36	37	38	39
	Low		35	35	36	36	36
	Quiet		33	33	33	33	33
Dimensions (H × W × D)		mm	288 × 840 × 840				
Weight		kg(lbs)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)
Connection pipe diameter	Liquid (Flare)	mm	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		15.88	15.88	15.88	15.88	15.88
Drain hose diameter (I.D./O.D.)			25 / 32				
Cassette Grille	Model name		UTG-UKGD-W / UTG-UKGA-B				
	Dimensions (H×W×D)	mm	53×950×950				
	Weight	kg(lbs)	6.0 (13)				

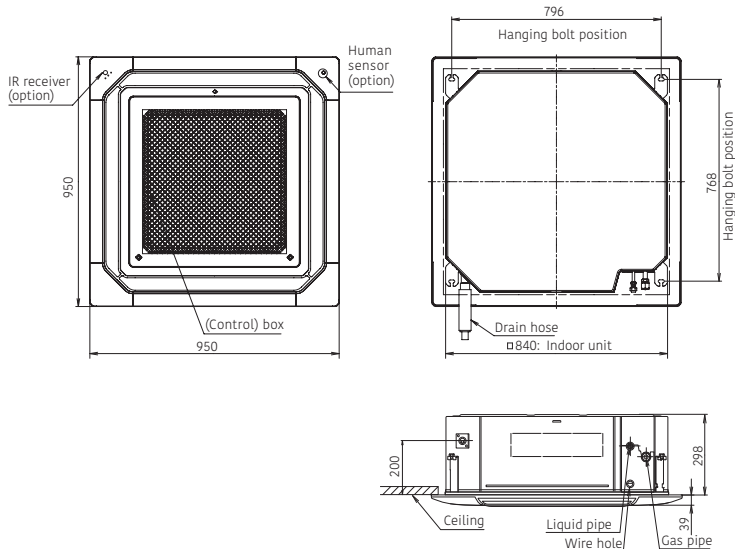
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

- Human Sensor Kit: UTY-SHZXC
Wide Panel: UTG-AKXA-W
Panel Spacer: UTG-BKXA-W
- Fresh Air Intake Kit: UTZ-VXRA
Air Outlet Shutter Plate: UTR-YDZK
Insulation Kit for High Humidity: UTZ-KXRA
- Cassette Grille: UTG-UKGD-W, UTG-UKGA-B
External Power Supply Unit: UTZ-GXXA
IR Receiver Unit: UTY-LBHXD
- Wireless LAN Interface: UTY-TFSXZ1

Dimensions

(Unit : mm)

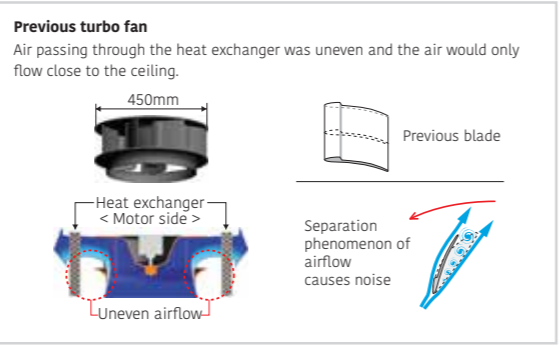
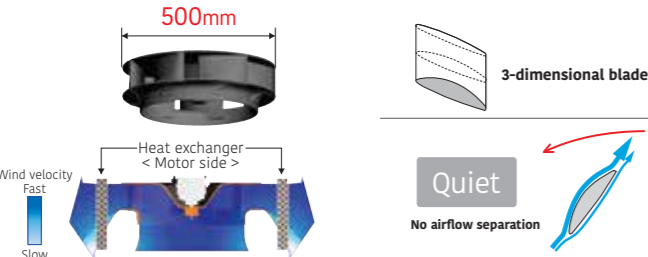


Cassette
Large type
4-way Flow



High efficiency turbo fan with 3-dimensional blade

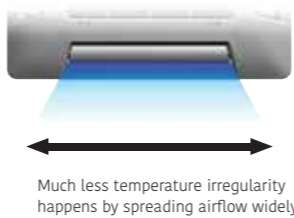
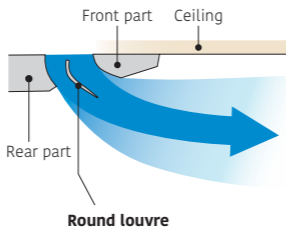
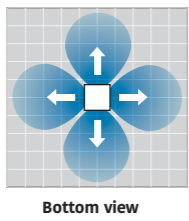
High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.



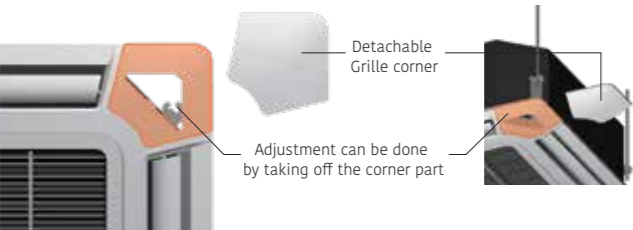
← : Spin direction → : Airflow direction → : Turbulent flow noise

Improvement of the airflow distribution

The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide air flow distribution.



Adjustment of hanger position is possible after installation



High ceiling mode

This cassette can be installed up to a height of 4.2m (36/45/54).

Model code	The maximum height from floor to ceiling (m)	
	Standard mode	High ceiling mode
30	3.2	3.6
34	3.2	3.6
36	3.2	4.2
45	3.2	4.2
54	3.2	4.2

Model : AUXA30GALH / AUXA34GALH / AUXA36GALH / AUXA45GALH / AUXA54GALH



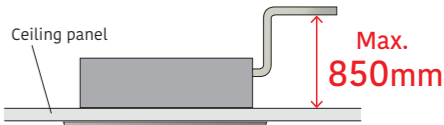
Specifications

Model name		AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH
Power source		Single phase, ~230V, 50Hz				
Capacity	Cooling	9.0	10.0	11.2	12.5	14.0
	Heating	10.0	11.2	12.5	14.0	16.0
Input power		W	59	77	80	99
Airflow rate	High	m³/h	1,600 (444)	1,750 (486)	1,800 (500)	1,900 (528)
	Med		1,300 (361)	1,300 (361)	1,300 (361)	1,370 (381)
	Low		1,100 (306)	1,100 (306)	1,100 (306)	1,100 (306)
Sound pressure level	High	dB(A)	40	43	44	46
	Med		38	38	38	39
	Low		33/31*1	33/31*1	33/31*1	33/31*1
Net Dimensions (H × W × D)		mm	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Weight		kg(lbs)	27 (60)	27 (60)	27 (60)	27 (60)
Connection pipe diameter	Liquid (Flare)	mm	9.52	9.52	9.52	9.52
	Gas (Flare)		15.88	19.05	19.05	19.05
Drain hose diameter (I.D./O.D.)			25/32			
Cassette Grille	Model name		UTG-UGGA-W			
	Net Dimensions (H×W×D)	mm	50 × 950 × 950			
	Weight	kg(lbs)	5.5 (12)			

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].
*1: This value is under cooling operation.

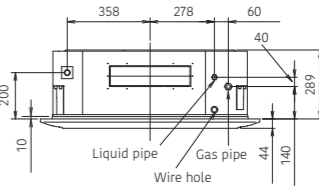
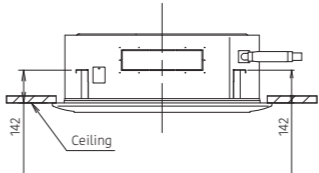
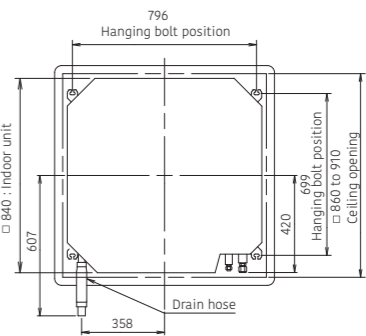
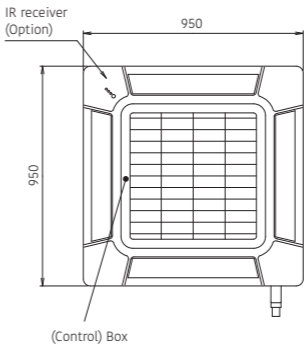
Optional parts

- IR receiver unit : UTY-LRHGB1
- Air outlet shutter plate : UTR-YDZC
- Panel spacer : UTG-BGYA-W
- Insulation kit for high humidity : UTZ-KXGB
- Wide panel : UTG-AGGA-W
- Fresh air intake kit : UTZ-VXGA
- Cassette Grille : UTG-UGGA-W



Dimensions

(Unit : mm)



Low Static Pressure Duct Mini Duct



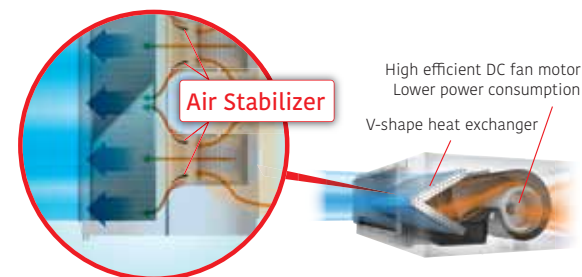
Large living space available

- Installation space can be reduced down to minimum depth 450mm height 198mm and compact design
- Minimum size: Depth 450mm, Height 198mm volume 30% down compared with current model
- Light weight: 16kg 10%down



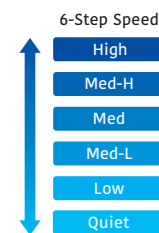
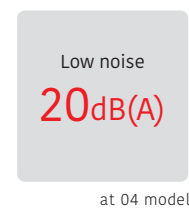
Optimum airflow path and low noise operation

Low noise is realized drastically by stabilized airflow design



6-speed control*

Multistep airflow speed control allows this model to install in a quiet location.

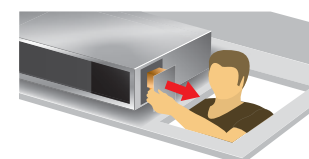


* Compatible Remote Controller is as follows
UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCGGZ1/UTY-ALGXZ1/UTY-APGXZ1



Easy design and maintenance for drain

Maintenance is easy by easy design indoor unit Parts can be replaced from the side of the unit where maintenance is easier.



Built-in drain pump as standard :
Maintenance is easy

Model : ARXK007GLFH / ARXK009GLFH / ARXK012GLFH
ARXK014GLFH / ARXK018GLFH / ARXK024GLFH



ARXK007/009/012/014GLFH



ARXK018GLFH



ARXK024GLFH

Specifications

Model name			ARXK007GLFH	ARXK009GLFH	ARXK012GLFH	ARXK014GLFH	ARXK018GLFH	ARXK024GLFH
Power source			Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	28	28	35	66	73	80
Airflow rate	High	m³/h	460	460	550	760	930	1,160
	Med-H		440	440	520	660	840	1,060
	Med		420	420	480	560	740	960
	Med-L		400	400	450	490	640	860
	Low		370	370	410	410	540	750
	Quiet		340	340	340	340	470	610
Static pressure range		Pa	0 to 30	0 to 30	0 to 30	0 to 50	0 to 50	0 to 50
Standard static pressure			10	10	10	15	15	15
Sound pressure level	High	dB(A)	26	26	29	34	33	32
	Med-H		25	25	27	31	30	30
	Med		24	24	26	28	28	28
	Med-L		23	23	25	26	26	27
	Low		22	22	24	24	24	25
	Quiet		21	21	22	22	22	22
Net Dimensions (H × W × D)		mm	98 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 900 × 450	198 × 1,100 × 450
Weight		kg(lbs)	15.5 (34)	15.5 (34)	16 (35)	16 (35)	19 (42)	22.5 (50)
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	12.70	12.70	12.70	15.88
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 : 75 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Optional parts

RemoteSensorUnit: UTY-XSZX Auto LouverGrille Kit: UTD-GXTA-W (004/007/009/012 /014)
IR ReceiverUnit: UTY-TRHX UTD-GXTB-W (018)
ExternalPower SupplyUnit: UTY-GXXA UTD-GXTC-W (024)

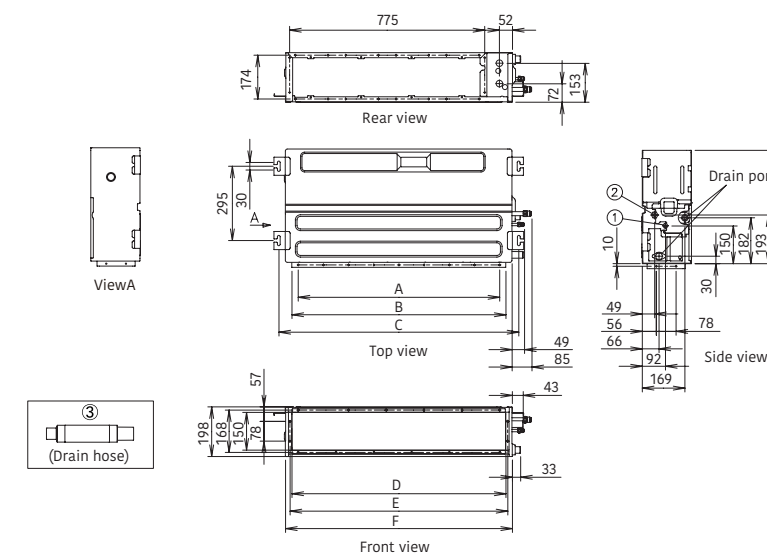
Auto Louver Grille Kit (Option)

Thin design provides a comfortable living environment over a wide area.
Automatic louver grille provides comfortable air conditioning all the way down to the floor and matches the interior design well. (Optional)



Dimensions

(Unit : mm)



- ① Refrigerant pipe flarconnection (Liquid)
- ② Refrigerant pipe flarconnection (Gas)
- ③ Drain hose connection

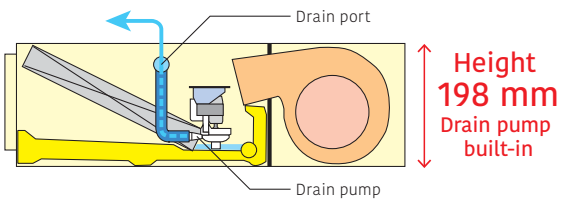
	ARXK007-014	ARXK018	ARXK024
A	P10.0×6=600	P10.0×8=800	P10.0×10=1000
B	650	850	1050
C	752	952	1152
D	650	850	1050
E	665	864	1064
F	700	900	1100

Low Static Pressure Duct Slim Duct / Slim Concealed Floor



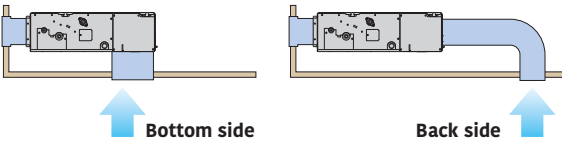
Slim design

With a slim design, this indoor unit can be installed in narrow ceiling spaces.



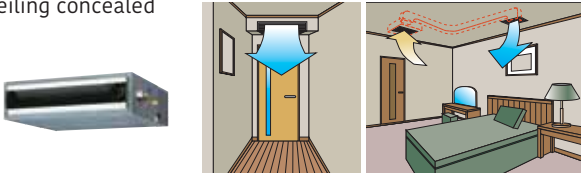
Air-intake

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

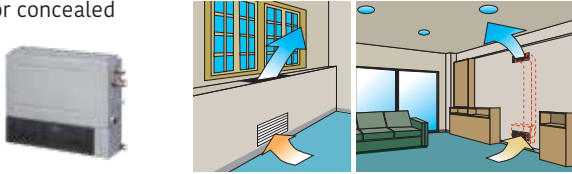


Flexible installation

Ceiling concealed



Floor concealed



Selectable with a wide range of static pressure

By using DC fan motor, it is possible to change the static pressure range from 0 to 90Pa. The change of static pressure range is possible by remote controller.



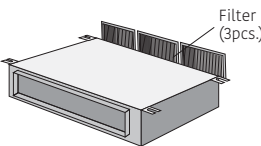
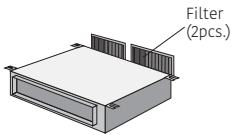
Static pressure range
0 to 90Pa

*024 model is 0 to 50Pa

Filter (Accessory)

ARXD007/009/012/014/018

ARXD024



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



ARXD007/009/012/014GLEH



ARXD018GLEH



ARXD024GLEH

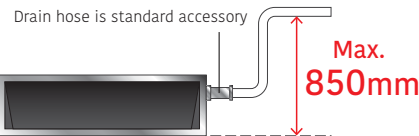
Specifications

Model name			ARXD007GLEH	ARXD009GLEH	ARXD012GLEH	ARXD014GLEH	ARXD018GLEH	ARXD024GLEH
Power source			Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	44	50	54	92	83	122
Airflow rate	High	m³/h	550	600	600	800	940	1,330
	Med-H		480	510	530	680	820	1,140
	Med		440	460	490	600	730	1,020
	Med-L		410	420	450	520	630	900
	Low		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 50
Standard static pressure			25	25	25	25	25	25
Sound pressure level	High	dB(A)	28	29	30	34	34	35
	Med-H		26	27	28	32	31	31
	Med		25	25	27	30	29	29
	Med-L		24	24	26	28	27	27
	Low		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 × 900 × 620	198 × 1,100 × 620
Weight		kg(lbs)	17 (37)	17 (37)	18 (40)	18 (40)	22 (48)	26 (57)
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	12.70	12.70	12.70	15.88
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].
*1: This value is under cooling operation.
*ARXD04GALH cannot be connected to J-IVS / J-IVL Series.

Optional parts

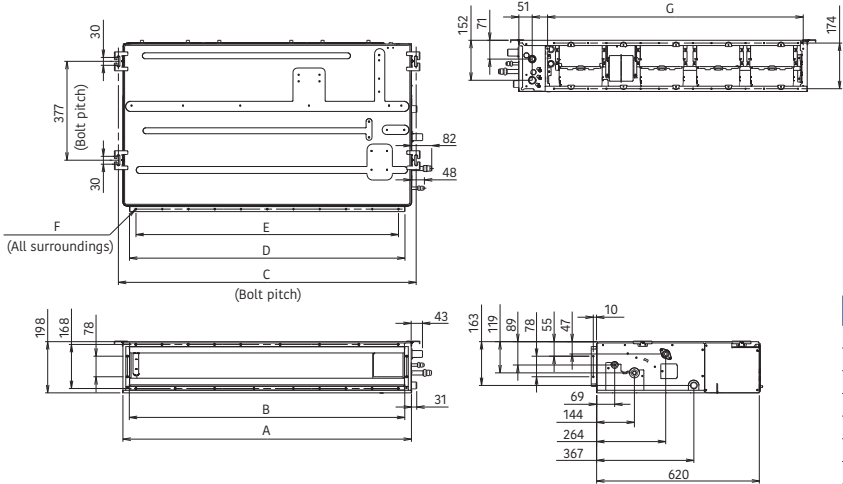
Remote Sensor Unit : UTY-XSZX
IR Receiver Unit : UTY-TRHX (007/009/012/014/018/024)
External Power Supply Unit : UTZ-GXXA
Auto Louver Grille Kit: UTD-GXTA-W (007/009/012/014)
UTD-GXTB-W (018)
UTD-GXTC-W (024)



Dimensions

(Unit : mm)

*Service accessibility must be allowed for when installing the product.
Please consult the installation manual for the necessary service access size.



	ARXD07-014	ARXD018	ARXD024
A	700	900	1100
B	650	850	1050
C	734	934	1134
D	650	850	1050
E	P100×6=600	P100×8=800	P100×10=1000
F	18×Ø5	22×Ø5	26×Ø5
G	574	774	974

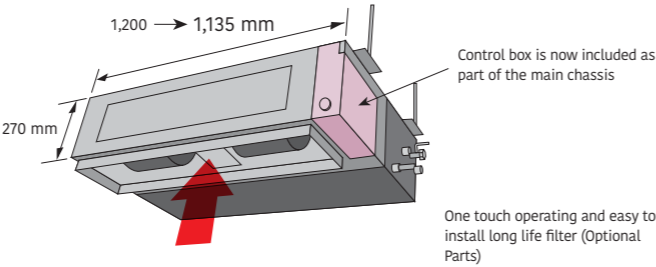
Medium Static Pressure Duct



Feature

Slim & Compact design

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



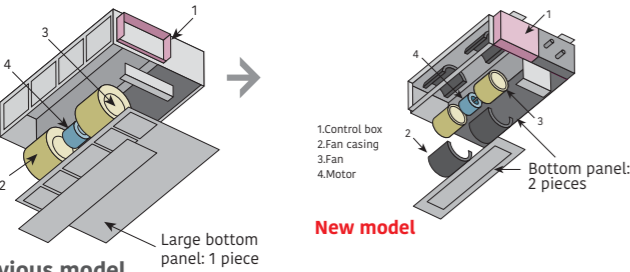
Selectable with a wide range of static pressure

It is possible to change of static pressure range 0 to 150 Pa.

Static pressure range
0 to 150 Pa

Easy maintenance

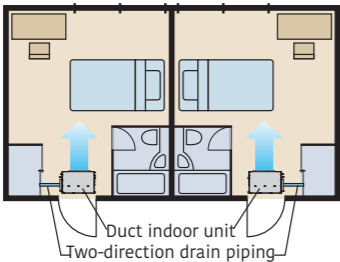
See below for the case of rear suction type



Previous model

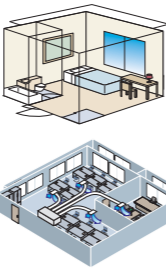
Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

Two-direction drain piping



Can be installed for various location

It can be installed in such locations as high-rise condominiums by low static pressure design.



It can also be installed in wide space when high static pressure is required,

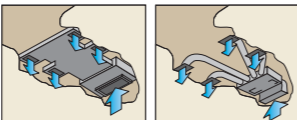
Easy setting by using remote controller

The change of static pressure range is possible by remote controller

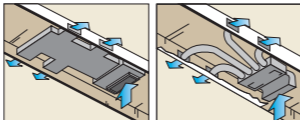


Installation styles

Embedded in Ceiling



Hanging from Ceiling



Models: ARXA24GBTH / ARXA30GBTH
ARXA36GBTH / ARXA45GBTH



Specifications

Model name		ARXA24GBTH	ARXA30GBTH	ARXA36GBTH	ARXA45GBTH
Power source		Single phase, 220-240V, 50Hz			
Capacity	Cooling	7.1	9.0	11.2	12.5
	Heating	8.0	10.0	12.5	14.0
Input power		94	108	194	240
Airflow rate	High	1,280 (356)	1,410 (392)	1,840 (511)	1,970 (547)
	Med	990 (275)	1,280 (356)	1,600 (444)	1,860 (517)
	Low	840 (233)	1,150 (319)	1,470 (408)	1,640 (456)
Static pressure range		0 to 150	0 to 150	0 to 150	0 to 150
Standard static pressure		40	50	50	60
Sound pressure level	High	31	34	37	41
	Med	27	32	35	38
	Low	23	29	33	36
Dimensions (H × W × D)		mm 270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
Weight		kg(lbs) 39 (86)	42 (93)	42 (93)	42 (93)
Connection pipe diameter	Liquid (Flare)	9.52	9.52	9.52	9.52
	Gas (Flare)	15.88	15.88	19.05	19.05
Drain hose diameter (I.D./O.D.)		25 / 32			

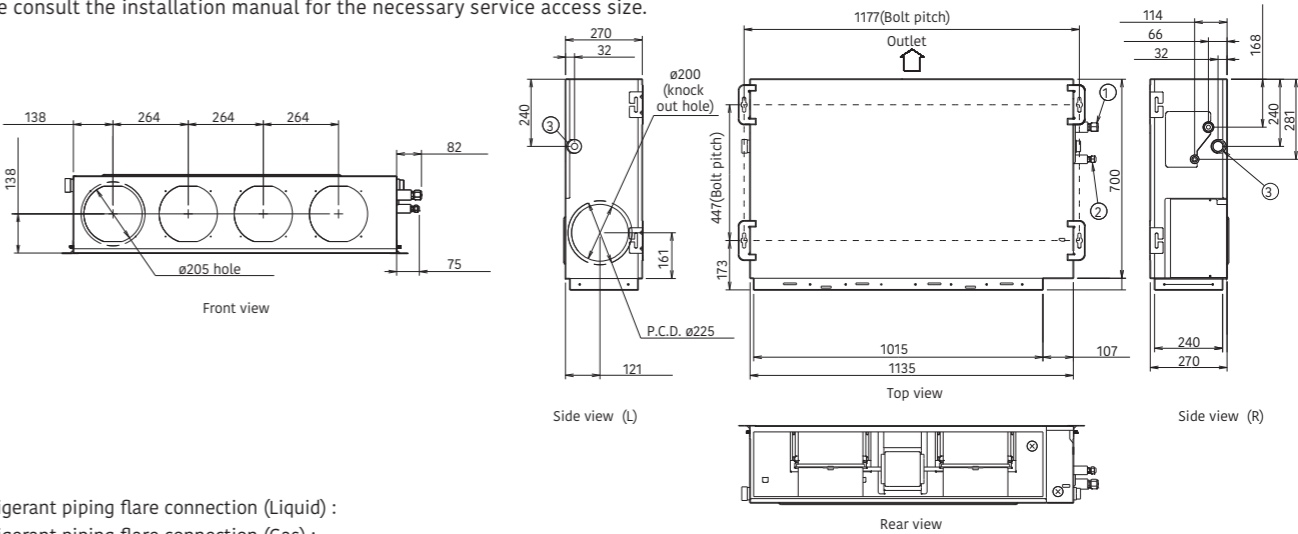
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

Remote Sensor Unit : UTY-XSZX
Long Life Filter : UTD-LF25NA
Flange (Round) : UTD-RF204
IR Receiver Unit : UTB-YWC
Flange (Square) : UTD-SF045T
Drain Pump Unit : UTZ-PX1NBA

Dimensions (Unit: mm)

*Service accessibility must be allowed for when installing the product.
Please consult the installation manual for the necessary service access size.



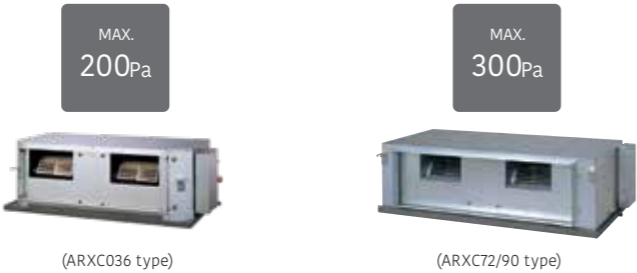
- ① Refrigerant piping flare connection (Liquid) :
- ② Refrigerant piping flare connection (Gas) :
- ③ Drain piping connection (Drain pipe)

High Static Pressure Duct Normal



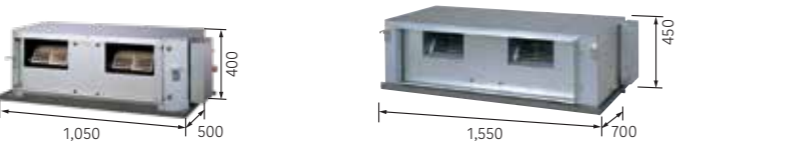
Static pressure selection

By using DC fan motor, it is possible to change static pressure range from 0 to 200Pa (ARXC036) / 300Pa (ARXC72 / 90).



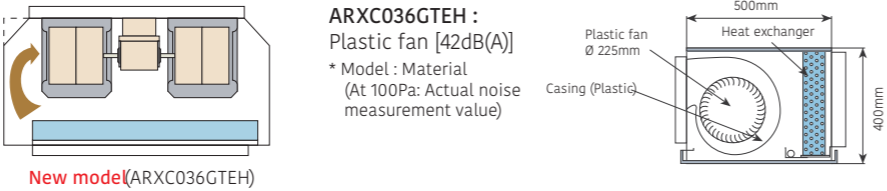
Easy installation (Compact size & Lightweight)

A compact size and lightweight indoor unit has been developed by reducing the basic chassis and the overall material weight.



Low noise

Models : ARXC036 / ARXC45 / ARXC60
Cutting off the corners of the conventional indoor unit front panel and fan casing, has enabled less turbulent air flow. Low noise is realized by adopting a plastic case and a plastic fan.



Low energy consumption by high efficiency DC fan motor

Improved motor efficiency from previous model.



**Model : ARXC036GTEH / ARXC45GATH / ARXC60GATH
ARXC072GATH / ARXC090GATH**



Specifications

Model name			ARXC036GTEH	ARXC45GATH	ARXC60GATH*	ARXC072GATH*	ARXC090GATH*
Power source			Single phase, ~230V, 50Hz				
Capacity	Cooling	kW	11.2	12.5	18.0	22.4	25.0
	Heating		12.5	14.0	20.0	25.0	28.0
Input power		W	207	715	730	1,110	1,250
Airflow rate	High	m³/h	1,990	3,500	3,500	3,900	4,300
	Med		1,680	3,000	3,000	3,300	4,000
	Low		1,330	2,460	2,460	3,000	3,500
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300
Standard static pressure			100	100	100	260	250
Sound pressure level	High	dB(A)	42	49	49	51	53
	Med		36	45	45	48	51
	Low		32	42	42	45	49
Net Dimensions (H × W × D)		mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	450 × 1,550 × 700	450 × 1,550 × 700
Weight		kg(lbs)	40 (88)	46 (101)	46 (101)	83 (185)	85 (185)
Connection pipe diameter	Liquid	mm	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	12.70 (Flare)	2.70 (Flare)
	Gas		15.88 (Flare)	19.05 (Flare)	19.05 (Flare)	22.22 (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].
*: ARXC60/072/090 cannot be connected to J-IVS Series.

Optional parts

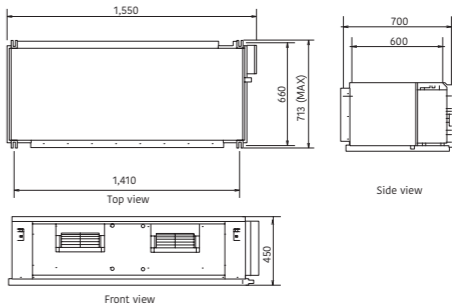
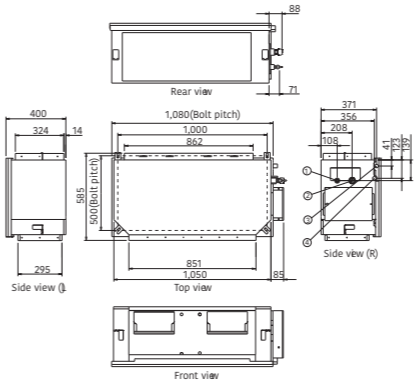
Long-Life Filter : UTD-LF60KA (036/45/60)
IR Receiver Unit : UTB-YWC (45/60/72/90)
UTY-TRHX (036)
External Power Supply Unit : UTZ-GXXA (036)
Wireless LAN Interface : UTY-TFSXZ1 (036)

Dimensions

(Unit : mm)

Models: ARXC036 / ARXC45 / ARXC60

Models: ARXC72 / ARXC90



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection (safety drain pan)
- ④ Drain piping connection (Main drain pan)

Floor / Ceiling



Flexible installation

Example for floor installation
Floor console

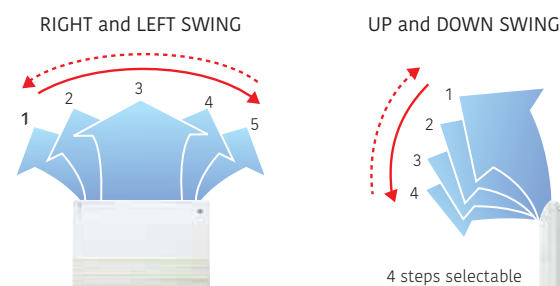


Example for ceiling installation
Under ceiling



Double auto swing

A combination of up/down and right/left directional swing allows three-dimensional air direction control.



High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Compact design

Symmetrical, slim and compact design.



Model : ABHA012GTEH / ABHA014GTEH / ABHA018GTEH / ABHA024GTEH



Floor
standing



Specifications

Model name			ABHA012GTEH	ABHA014GTEH	ABHA018GTEH	ABHA024GTEH
Power source			Single phase, ~230V, 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	m³/h	660	780	1,000	1,000
	Med-H		620	740	910	930
	Med		580	690	830	870
	Med-L		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-H		34	39	44	45
	Med		33	38	42	43
	Med-L		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(lbs)	25 (55)	26 (57)	26 (57)	27 (60)
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			

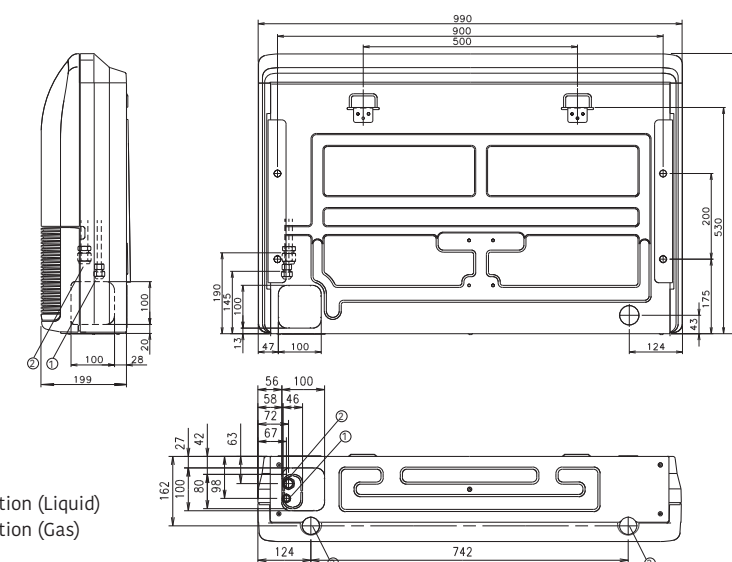
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

External Power Supply Unit : UTZ-GXXA
Wireless LAN Interface : UTY-TFSXZ1

Dimensions

(Unit : mm)



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Ceiling



Model : ABHA030GTEH / ABHA036GTEH / ABHA045GTEH / ABHA054GTEH



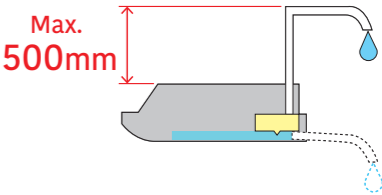
Specifications

Model name			ABHA030GTEH	ABHA036GTEH	ABHA045GTEH	ABHA054GTEH
Power source			Single phase, ~230V, 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	m³/h	1,630	1,690	2,010	2,270
	Med-H		1,520	1,560	1,840	2,070
	Med		1,420	1,450	1,690	1,860
	Med-L		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-H		40	41	46	49
	Med		39	39	45	46
	Med-L		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(lbs)	46 (101)	48 (106)	48 (106)	48 (106)
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 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].

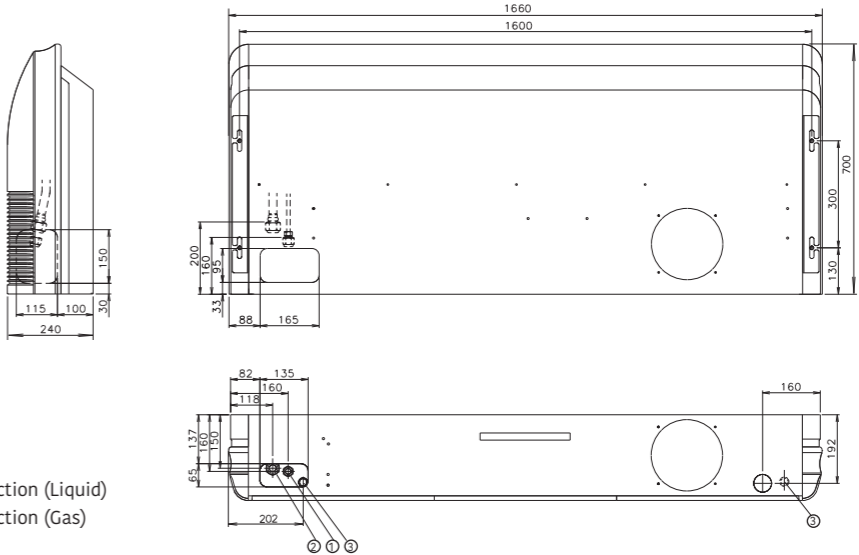
Optional parts

Drain Pump Unit : UTR-DPB24T
Flange : UTD-RF204
External Power Supply Unit : UTZ-GXXA
Wireless LAN Interface : UTY-TFSXZ1



Dimensions

(Unit : mm)



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Installation

Open

General installation pattern which suspends the indoor unit from the ceiling.

Concealed

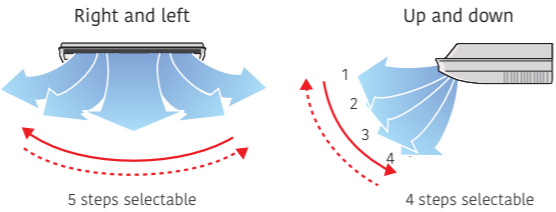
Installation pattern where part of the indoor unit is embedded into the ceiling.

Wall mounted (Field Supplied)

Installation which fixes the indoor unit to the wall by the use of wall brackets (Field supplied). This type of installation can be used when the ceiling space is insufficient.

Double auto swing and wide airflow

Auto airflow direction and auto swing



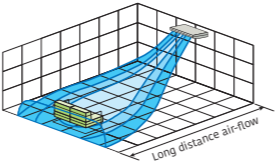
High power DC fan motor

- High power
- Wide rotation range
- High efficiency

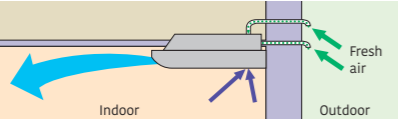


Long airflow

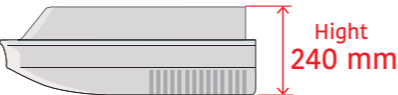
Long Airflow ensures comfort to every corner of a large room.



Fresh air intake



Slim & Compact design



Wall Mounted



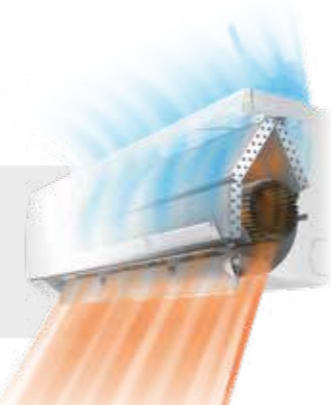
High efficient compact design

The 004-014 model has a common design. High efficient compact design has been achieved by mounting a high density and large heat exchanger. Compact body makes it possible to install discretely even in a meeting or office room and comfortable air conditioning is provided.

High density heat exchanger



Making the tube thin: 5mm
Increase of heat exchanger volume by high density and adopting sub heat exchanger



More comfort airflow

Comfortable air conditioning is provided by mounting our unique power diffuser.

Heating

Vertical airflow provides powerful floor level heating



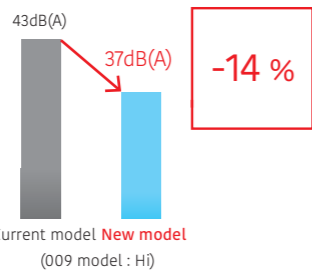
Cooling

Horizontal airflow does not blow cool air directly at the occupants in the room.



Quiet operation & 6 Fan Speed Control

Drastic low noise is achieved by new airflow structure. Multistep airflow control is possible to suit the environment.



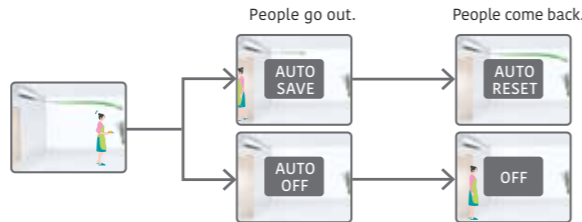
- 6-Step Speed
- High
 - Med-H
 - Med
 - Med-L
 - Low
 - Quiet

* Compatible Remote Controller is as follows:
UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCGGZ1/UTY-ALGXZ1/UTY-APGXZ1



Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.



Model : ASHA007GCGH / ASHA009GCGH
ASHA012GCGH / ASHA014GCGH

[EEV external]
ASHE007GCEH / ASHE009GCEH
ASHE012GCEH / ASHE014GCEH



Specifications

Model name			ASHA007GCGH	ASHA009GCGH	ASHA012GCGH	ASHA014GCGH	ASHE007GCEH	ASHE009GCEH	ASHE012GCEH	ASHE014GCEH
Power source			Single phase, ~230V, 50Hz				Single phase, ~230V, 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	19	20	25	36	19	34	25	36
Airflow rate	High	m³/h	550	610	690	800	550	610	690	800
	Med-H		510	560	610	740	510	560	610	740
	Med		470	510	560	680	470	510	560	680
	Med-L		410	440	530	610	410	440	530	610
	Low		360	360	470	550	360	360	470	550
	Quiet		310	310	330	330	310	310	330	330
Sound pressure level	High	dB(A)	34	37	40	44	35	43	40	44
	Med-H		32	35	37	42	32	38	37	42
	Med		30	32	35	40	30	34	35	40
	Med-L		28	29	33	37	27	29	33	37
	Low		26	26	30	34	24	24	30	34
	Quiet		22	22	24	24	22	22	24	24
Net Dimensions (H × W × D)		mm	268 x 840 x 203				268 x 840 x 203			
Weight		kg(lbs)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	
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	12.70	12.70	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 (option)			— UTR-EV09XB				UTR-EV14XB			

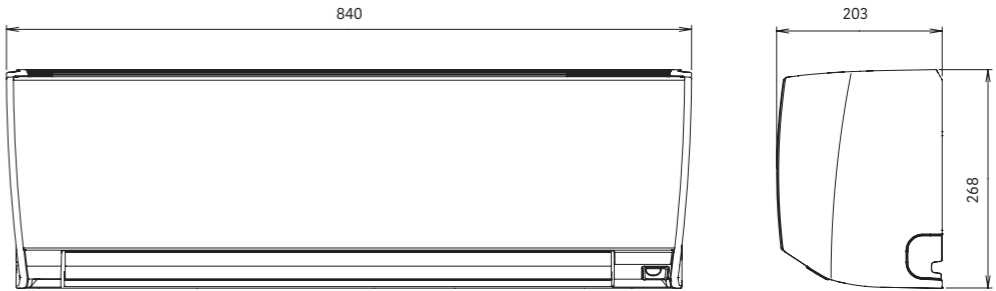
Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

External Power Supply Unit : UTZ-GXXA
Wireless LAN Interface : UTY-TFSXZ1

Dimensions

(Unit : mm)

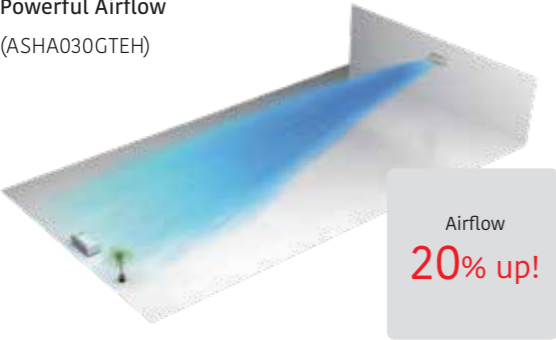


Wall Mounted

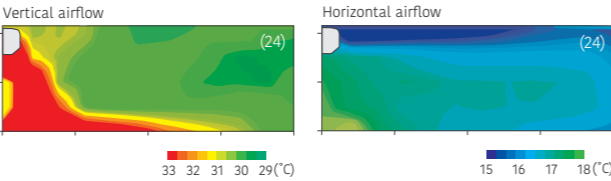


Powerful & Comfort airflow

Powerful Airflow
(ASHA030GTEH)



Power diffuser
(ASHA18/24GBCH)



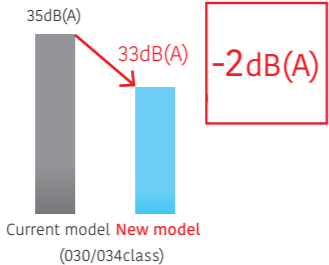
Human sensor (ASHA030/034GTEH only)

A human sensor senses the movement of humans to reduce operation when one is in the room. the energy consumption is reduced automatically to keep down electricity bills.
(Available to wired remote controller as UTY-RNRGZ3)



Quiet operation & 6 Fan speed control

Drastic low noise is achieved by new airflow structure. In addition, multistep quiet operation is available by 6-step sound level settings.



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



* Compatible Remote Controller is as follows:
UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCCGZ1/UTY-ALGXZ1/UTY-APGXZ1

Model : ASHA18GBCH / ASHA24GBCH
ASHA030GTEH / ASHA034GTEH



ASHA18/24GBCH



ASHA030/034GTEH

Specifications

Model name			ASHA18GBCH	ASHA24GBCH	ASHA030GTEH	ASHA034GTEH
Power source			Single phase, ~230V, 50Hz		Single phase, ~230V, 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	m³/h	840	1,100	1,440	1,620 / 1,520
	Med-H		-	-	1,200	1,300
	Med		770	910	1,050	1,120
	Med-L		-	-	940	980
	Low		690	730	890	890
	Quiet		-	-	700	700
Sound pressure level	High	dB(A)	41	48	53	55 / 54
	Med-H		-	-	49	51
	Med		39	43	45	47
	Med-L		-	-	42	43
	Low		35	35	39	39
	Quiet		-	-	33	33
Net Dimensions (H × W × D)		mm	320 x 998 x 238	320 x 998 x 238	340 x 1,150 x 280	340 x 1,150 x 280
Weight		kg(lbs)	15 (33)	15 (33)	18 (40)	18 (40)
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 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

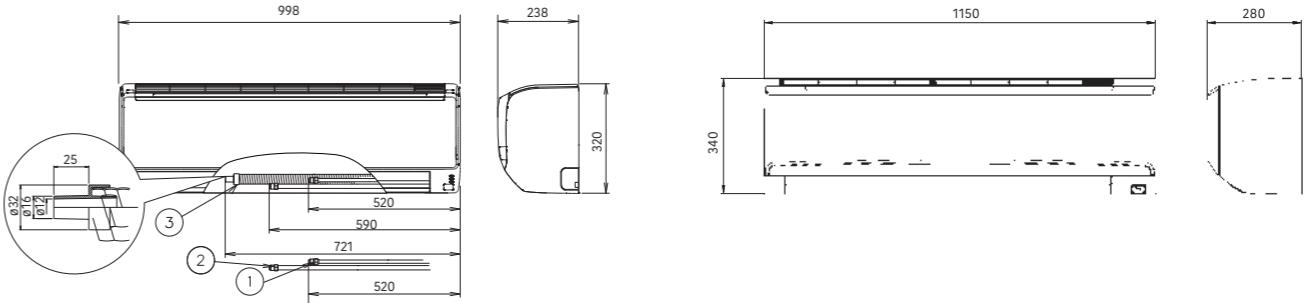
External Power Supply Unit : UTZ-GXXA (030/034)
Wireless LAN Interface : UTY-TFSXZ1 (030/034)

Dimensions

(Unit : mm)

Models: ASHA18 / ASHA24

Models: ASHA030 / ASHA034



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Residential, Commercial & Light Commercial

VENTILATION

VENTILATION Lineup

- 068 Energy Recovery Ventilator
- 070 DX Kit for Air Handling Application
 - for VRF Outdoor Unit
- 072 Outdoor Air Unit














Effective heat exchange and simultaneous fresh air ventilation

High Efficiency and low noise levels are achieved by using a highly efficient heat exchange process. A comfortable air conditioned space is achieved by conveniently selecting whether to use heat exchange or normal ventilation setting, according to the requirements of the conditioned space.



Lineup

Connectable capacity class (kW)	5.0	6.3	8.0	10.0	12.5	14.0	20.0	25.0	40.0	50.0	
DX Kit for Air Handling Applications for VRF Outdoor Unit											
	EEV unit UTP-VX30A			EEV unit UTP-VX60A			EEV unit UTP-VX90A				
	Control unit UTY-VDGX		Control unit UTY-VDGX		Control unit UTY-VDGX						
	Control unit UTY-VDGX		Control unit UTY-VDGX		Control unit UTY-VDGX						
Connectable capacity class (kW)	14.0 kW			22.4 kW			28.0 kW				
Outdoor Air Unit											
	ARXH054GTAH			ARXH072GTAH			ARXH096GTAH				

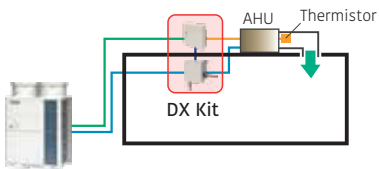
DX Kit

for Air Handling Application
for VRF Outdoor Unit

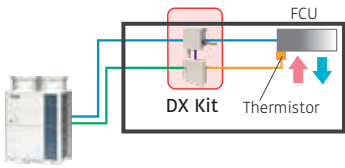


These kits enable other manufacturers air handling units (AHU) and fan coil units (FCU) to be incorporated into a Fujitsu VRF system or, be connected to a dedicated Fujitsu VRF outdoor unit as a 1:1 system to control outside air ventilation (AHU) or room temperature (FCU).

Multiple temperature sensors optimally control the air handling unit and fan coil unit.



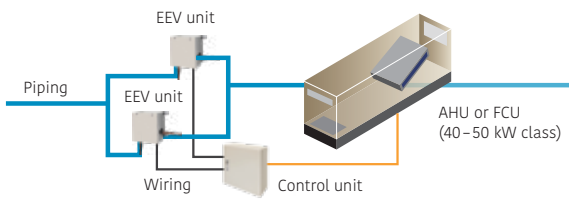
When connecting to an air handling unit, the supply air temperature is controlled by the discharge sensor.



When connecting to a fan coil unit, the room temperature is controlled by the return air temperature sensor.

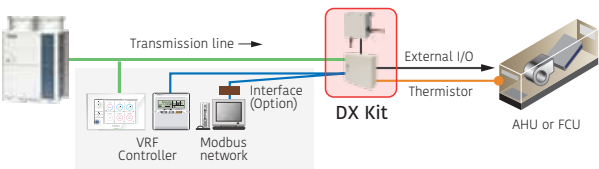
Supports a wide range of capacity classes

- 2 EEV units can be connected in parallel and up to 20 HP (50 kW) large capacity units. (Separation Tube of UTP-LX180A is required)
- Connectable capacity range: 5 kW to 50 kW

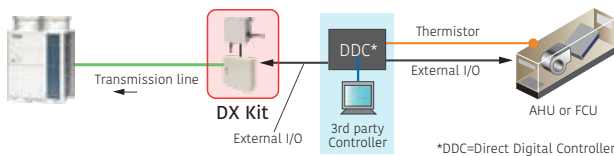


A variety of controls to match the application

Central control using our VRF controllers or central management controllers



Central control from external controllers



*DDC=Direct Digital Controller

Functions Summary

Inputs

- ON/OFF
- Setting temperature
- Capacity demand
- Heating / Cooling operation mode
- Fault information

Outputs

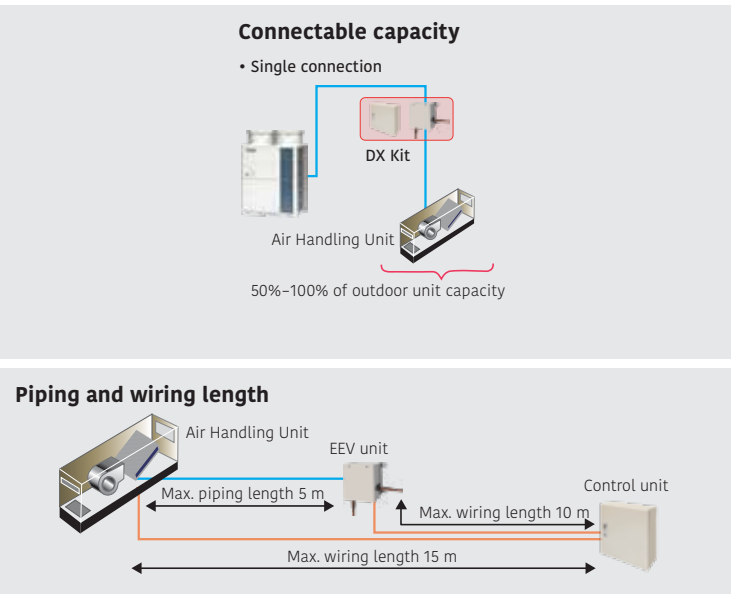
- ON/OFF indication
- Fan ON/OFF indication
- Thermo ON/OFF indication
- Defrost indication
- Fault indication

MODBUS® Control

Possible to control via a MODBUS enabled BMS by using optional interface.

Installation Limitation

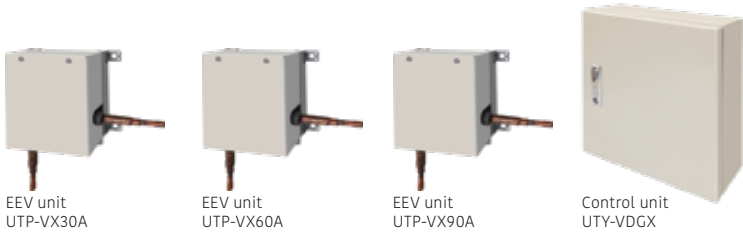
- Connectable VRF Series: All VRF Series
- Connectable DX Kit system capacity range: 50 to 100% of the outdoor unit capacity
- Connectable DX Kit system capacity range with indoor units: 30% or less of the outdoor unit capacity
- Max. wiring length from control unit: 10 m
- Max. piping length between EEV unit and indoor unit: 5 m
- Outdoor installation: Control unit (IP54 class) and EEV unit can be installed at an outdoor space.



For 2 EEV units connection (option) Separation Tube: UTP-LX180A



Control unit: UTY-VDGX EEV unit: UTP-VX30A / UTP-VX60A / UTP-VX90A



Specifications

Connectable Capacity class			5.0 kW	6.3 kW	8.0 kW	10.0 kW	12.5 kW	14.0 kW	20.0 kW	25.0 kW	40.0 kW	50.0 kW
Capacity	Cooling	kW	5.6	6.3	8.0	10.0	12.5	14.0	22.4	25.0	40.0	50.4
	Heating		6.3	7.1	9.0	11.2	14.0	16.0	25.0	28.0	45.0	56.5
Control unit			UTY-VDGX									
Power source		V/Ø/Hz	230/1/50									
Dimensions (H × W × D)		mm	400 × 400 × 120									
EEV unit			UTP-VX30A		UTP-VX60A		UTP-VX90A		UTP-VX90A×2		UTP-VX90A×2	
Connection pipe diameter (Liquid)		mm	Ø9.53		Ø12.70		Ø12.70		Ø12.70		Ø12.70	
Dimensions (H × W × D)			160 × 220 × 90									

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 Voltage : 230 [V].

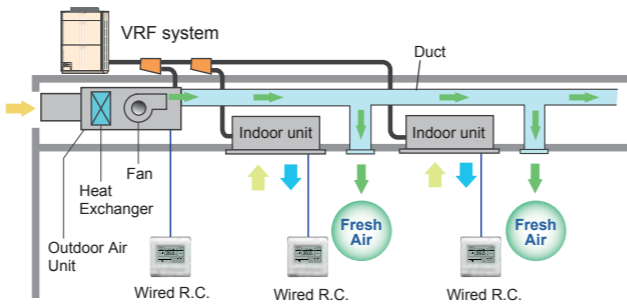
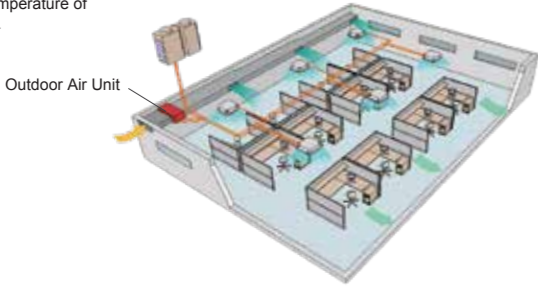
Outdoor Air Unit



One VRF system can provide air conditioning and air supply at the same time.

Outdoor Air Unit can be connected in a same VRF*1 system as one of indoor unit series and can create fresh and comfortable air supply together from our high advanced technology.

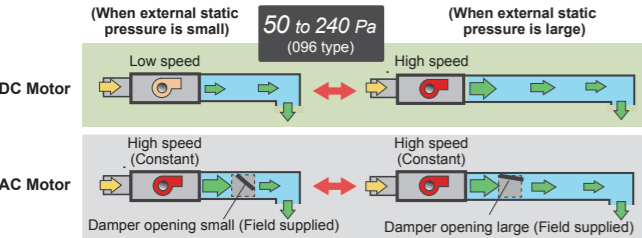
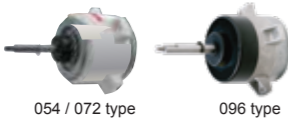
*1. Connectable VRF series: J-IIS, J-II, V-II, VR-II tropical
In J-II series alone, OAU is prohibit to connect under the ambient temperature of 40°C or higher.



* Make sure the connected capacity is within the range of 50% to 100% of the outdoor unit capacity. In addition, if there are mixed connections with indoor units, make the Outdoor Air Unit connection capacity 30% or less of the outdoor unit capacity.

High energy savings and flexible duct design by using DC motor

- Greatly reduces electricity consumption by adopting permanent magnet compared to when using an AC motor.
- Compared with AC motor, changing the speed makes it possible to respond flexibly to the external static pressure from 50 Pa to 240 Pa. Even if damper equipment is not used, static pressure can be adjusted and duct design is easy.
- Static pressure can be set easily using wired remote controller.



Various Controller

Supplied variety of controllers as options, such as individual controller, central controller, and building management controller.

Individual Controller



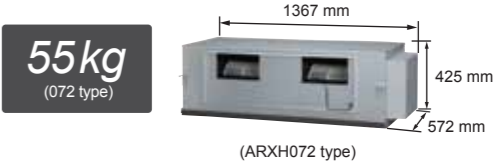
Central Controller



* The temperature setting is discharged air temperature setting. The air volume is set to a constant speed.

Top class compact design

- Top class lightweight compact design at just 425 mm in height, 55 kg in weight for ARXH072 type. This unit can be installed easily even at narrow space.



Models: ARXH054GTAH / ARXH072GTAH / ARXH096GTAH



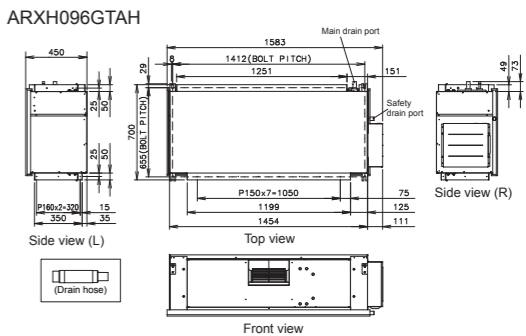
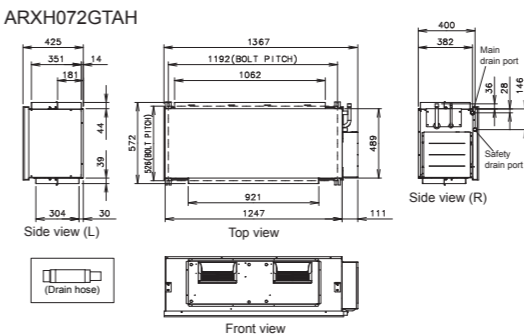
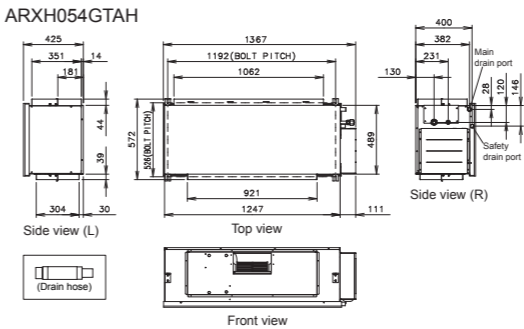
Specifications

Rated flow rate			1000 m³/h	1500 m³/h	2000 m³/h
Model No.			ARXH054GTAH	ARXH072GTAH	ARXH096GTAH
Power source	Cooling	kW	230/1/50	230/1/50	230/1/50
	Heating	kW	14.0	22.4	28.0
Capacity	Cooling / Heating	W	8.9	13.9	17.4
Input Power	Cooling / Heating	W	179	292	370
Airflow Rate		m³/h	1,080	1,680	2,100
Static Pressure	Standard (range)	Pa	185 (50-185)	200 (50-200)	200 (50-240)
Sound Pressure Level		dB (A)	42	44	47
Dimensions (H x W x D)		mm	425×1,367×572	425×1,367×572	450×1,583×700
Weight		kg	48	55	71
Connection Pipe Diameter (Small / Large)		mm	Ø9.52/Ø19.05	Ø12.70/Ø22.22	Ø12.70/Ø22.22
Operation Range	Cooling	°CDB	5 to 43	5 to 43	5 to 43
	Heating	°CDB	-7 to 21	-7 to 21	-7 to 21
Refrigerant			R410A	R410A	R410A

Note : Specifications are based on the following conditions.
Cooling : Outdoor temperature of 33°CDB / 28°CWB.
Heating : Outdoor temperature of 0°CDB / -2.9°CWB.
Pipe length : 7.5 m Voltage : 230 [V].

Dimensions (Unit : mm)


Models: ARXH054GTAH / ARXH072GTAH / ARXH096GTAH




Control System Overview

User's needs are supported by offering a variety of controls, such as individual control, central control and building management control options.


Air Conditioning Individual Control




Wired Remote Controller
(Touch panel)
UTY-RNRGZ5




Wired Remote Controller
UTY-RLRG




NEW
Compact Wired Remote Controller
UTY-RCRGZ1




Simple Remote Controller
UTY-RSRG
UTY-RHRG
Without operation mode




Wireless Remote Controller
UTY-LNHGZ1



IR Receiver Unit
UTB-YWC For Duct

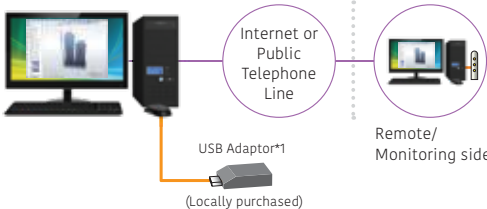


IR Receiver Unit
UTY-TRHX For 1-Way Flow Cassette
3D Flow Cassette/Duct




IR Receiver Unit
UTY-LRHGB1 For Cassette
UTY-LBHGD For Circular Flow Cassette

Air Conditioning Centralized Control



System Controller **Software**
UTY-APGXZ1/UTY-ALGXZ1 (Lite edition)
Max. Controllable 1600^{*2} indoor units



Central Remote Controller
UTY-DCGGZ1
Max. Controllable 100 indoor units

*1: USB Adaptor: Echelon® U10 USB Network Interface
*2: Lite edition is max. controllable 400 indoor units

Converter/Adapter

For external control via BMS/Home Automation Systems

BACnet® Gateway
UTY-ABGXZ1 **Software**

BACnet® Gateway
UTY-VBGX **Hardware**

Network Converter
(For LONWORKS®)
UTY-VLGX

MODBUS® Converter For indoor unit
UTY-VMSX

MODBUS® Converter
UTY-VMGX

KNX® Converter For indoor unit
UTY-VKX

KNX® Converter For VRF
UTY-VKGX

Wireless LAN Interface
UTY-TFSXZ1

External Switch Controller
UTY-TERX

BMS/BAS^{*3}

BMS, Home automation system

*3: BMS/BAS: Building Management System/Building Automation System

Converter/Adapter

For system expansion

Network Converter
(DC power supply)
UTY-VTGX

Network Converter
(AC power supply)
UTY-VTGXV

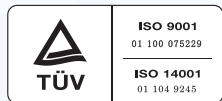
Signal Amplifier
UTY-VSGXZ1

70

71

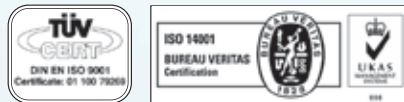
CONTROL SYSTEM
& OPTIONAL PARTS

Fujitsu General (Thailand) Co., Ltd.



ISO 9001 Certification number: 01 100 075229
ISO 14001 Certification number: 01 104 9245

Fujitsu General (Shanghai) Co., Ltd.



ISO 9001 Certification number: 01 100 79269
ISO 14001 Certification number: CNBJ312244-UK

Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.



ISO 9001 Certification number: 15917Q20073R5M
ISO 14001 Certification number: 15918E20021R5M

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